



PRODUCT CATALOG

# LAW enforcement

Lightbars  
Directional Warning  
Perimeter  
bluePRINT  
Sirens and Speakers



Electronics  
Interior  
Beacons  
Work Area

# Smart Design.



# Protecting those who serve.



For over 23 years, SoundOff Signal has provided  
**innovative**  
vehicle safety solutions for the markets we serve.

Our rich history **commitment** to our customers,  
and problem-solving **design** have resulted in an organization  
that delivers products and services you can **trust**.



# Lightbars



## Features

- > Modules can be configured as single, dual or tri-color for maximum functionality
- > Inboard modules are available in single color 6 or 9 LEDs, dual color 12 LEDs or tri-color 18 LEDs
- > Corner modules are offered in single color 12 or 18 LEDs, dual color 24 LEDs or tri-color 30 LEDs
- > Lightbars with multi-color modules (dual or tri-color) that include white LED's are capable of providing a full 360 degrees of intense scene lighting
- > Discrete rear-arrow control modules can be combined with warning colors for maximum functionality
- > Dedicated 6 LED takedowns and 3 LED alley lights are optional
- > Takedown modules can be designated anywhere on the lightbar
- > Windows based PC application simplifies programming and enhances configurability and control
- > Use of PC application in conjunction with SoundOff Signal sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to lightbar functions
- > Other user configurable options include: cruise mode, front/rear/corner cutoff inputs, nighttime manual dimming, 32 programmable flash patterns, steady burn and stop/tail/turn
- > Pre-emption modules available
- > Auto dimming feature available (not available for the 24" size)



## Exterior Full Size LED Lightbar



#ENFLB

### Technical Specifications

|  |   |   |
|--|---|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module:   | 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp  |
|  | Corner Module:  | 12 LED Single Color: < 2.0 Amps<br>18 LED Single Color: < 3.0 Amps<br>24 LED Dual Color: < 2.0 Amps<br>30 LED Tri Color: < 2.0 Amps   |
|  | Takedown:   | 6 LED Single Color: < 1.0 Amp   |
|  | Alley:  | 3 LED Single Color: < 0.5 Amps  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:   | 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts   |
|  | Corner Module:  | 12 LED Single Color: < 12.8 Watts<br>18 LED Single Color: < 19.2 Watts<br>24 LED Dual Color: < 12.8 Watts<br>30 LED Tri Color: < 12.8 Watts                                       |
|  | Takedown:   | 6 LED: < 12.8 Watts   |
|  | Alley:  | 3 LED: < 6.4 Watts  |
| FLASH PATTERNS                                     | Warning: 66<br>Takedown/Alley: 25<br>Arrow L/C/R: 11  |   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |   |
| DIMENSIONS   |   |   |
|  | Length  | 2 Module: 24" (61 cm)<br>4 Module: 36" (91 cm)<br>5 Module: 42" (107 cm)<br>6 Module: 48" (122 cm)<br>7 Module: 54" (137 cm)<br>8 Module: 60" (152 cm)<br>10 Module: 72" (183 cm) |
|  | Height  | All modules: lightbar only, 2.55" (6.5 cm)  |
|  | Depth   | All modules: 12" (31 cm)  |
| MOUNTS   | Standard hook bracket mount with angle adjustment wedges<br>Headache rack mount   |   |
| CERTIFICATIONS                                     | SAE J845, J595 Class 1 certified; California Title 13, Class B certified; ECE R65 Category T, Class 2 certified (red/blue only) and EMC/ECE R10-4 certified |   |
| WARRANTY   | Five-year   |   |



stealth design



## ACCESSORIES auto dim retro fit kit: driver side

Includes Auto Dim Sensor Board, Harnesses, Mounting Hardware and Top Cover  
(Graphite cover shown)

Graphite Lexan Cover  
Blue Lexan Cover  
Red Lexan Cover  
Amber Lexan Cover

**#PNFLBTRDRLGY**  
**#PNFLBTRDRLBL**  
**#PNFLBTRDRLRD**  
**#PNFLBTRDRLYL**





## Features

- > Streamlined design with unique "wing" shape that was wind tunnel tested and showed the lowest drag with no added lift force to the vehicle with additional benefits of fuel savings and better vehicle handling
- > Our thinnest lightbar with a slim inboard module of just 1.6" (4.064 cm) tall, optimized optic height for maximum photometric impact
- > 180° scene light option uses alley lights and strategically placed wide angle take down lights
- > New inboard optic features striations on the lenses to bend the light for extreme off angle visibility
- > Alley light design is positioned at just the right angle for advanced side viewing while operating the vehicle
- > Clear or color lenses in blue, red or amber
- > Dimming capability
- > Optional 12 wire discrete harness allows operation without breakout box (10-30 vdc)
- > Exclusive, aerodynamic shape is designed to reduce fuel consumption. Wing shape glides through the air.

## Exterior Full Size LED Lightbar



#EPX3000

### Technical Specifications

|  |  |
|--|--|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc or 10-30 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Corner Module: 12 LED Single Color: < 2.0 Amps<br>Takedown: 6 LED Single Color: < 1.0 Amp<br>Alley: 4 LED Single Color: < 0.5 Amps            |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Corner Module: 12 LED Single Color: < 12.8 Watts<br>Takedown: 6 LED: < 12.8 Watts<br>Alley: 4 LED: < 6.4 Watts                              |
| FLASH PATTERNS                                     | Warning: 21<br>Takedown/Work Lights: 5<br>Alley: 5<br>Arrow L/C/R: 4 (10-30 Vdc, break-out box only)   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS   |  |
| Length   | 4 Module: 36" (91 cm)<br>5 Module: 43" (109 cm)<br>6 Module: 50" (122 cm)<br>7 Module: 56.5" (145 cm)<br>8 Module: 63" (160 cm)<br>9 Module: 70" (178 cm)<br>10 Module: 76" (193 cm)                   |
| Height   | All modules: Inboard: 1.6" (4.064 cm) and corner: 2" (5.08 cm)   |
| Depth  | All modules: 11.25" (29 cm)  |
| MOUNTS   | Headache bracket or low profile fixed bracket  |
| CERTIFICATIONS                                     | SAE J845, and J595 Class 1 certified; Article 22, CA Title 13 compliant; ECE R65 Category T: Class 1 certified (for amber, blue and red; 10-16 Vdc only) and 72/245/EEC EMC certified (10-16 Vdc only) |
| WARRANTY   | Five-year  |

fuel saving design







## Exterior Full Size LED Lightbar



#EPL90000

### Features

- > Innovative optics design, "Fusion Technology", the first optics designed like a lighthouse to boost the light farther and wider for a brighter, safer warning signal
- > Fusion Boost option
- > Streamlined, modular design is easy to maintain with field replaceable modules that are easily upgradable
- > 6 or 12 LED dual color arrow option available
- > Clear or color lenses in blue, red or amber
- > Dimming capability

### Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.0 Amp<br>Corner Module: 12 LED Single Color: < 2.0 Amps<br>Takedown: 6 LED: < 1.0 Amp<br>Alley: 1 LED: < 0.5 Amps           |
| NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>12 LED Dual Color: < 6.4 Watts<br>Corner Module: 12 LED Single Color: < 12.8 Watts<br>Takedown: 6 LED: < 12.8 Watts<br>Alley: 1 LED: < 6.4 Watts |
| FLASH PATTERNS                                     | Warning: 21<br>Takedown: 5<br>Alley: 5<br>Arrow L/C/R: 4<br>Arrow Warning: Solid 9 and Split 17   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS   |   |
| Length   | 4 Module: 36" (91 cm)<br>5 Module: 42" (107 cm)<br>6 Module: 48" (122 cm)<br>7 Module: 54" (137 cm)<br>8 Module: 60" (152 cm)<br>9 Module: 72" (183 cm)   |
| Height:  | All modules: Inboard: 1.75" (4.45 cm) and corner: 2.5" (6.35 cm)  |
| Depth:   | All modules: 10" (25 cm)  |
| MOUNTS   | Adjustable<br>Headache<br>Low Profile Fixed Bracket   |
| CERTIFICATIONS                                     | SAE J845, J595 Class 1 certified and Article 22, CA Title 13  |
| WARRANTY   | Five-year   |

stream-lined design





# Exterior Full Size LED Lightbar



#EMG2000



Red and blue corner lenses provide clear windows (non-colored) to effectively project white alley lighting. White takedown modules cannot be configured inside colored lenses.

## Features

- > Available in red, blue, clear and amber lenses
- > A color lens versus a clear lens can provide additional purpose identification for emergency vehicles.
- > 6 LED inboard modules deliver Fusion Boost technology for extreme brightness
- > 3 LED inboard modules designed with a new Turbo Optic to deliver maximum intensity at an affordable price
- > 6 or 12 LED corner modules
- > Low profile design
- > Cruise mode option
- > Replaceable outer lens
- > Dimming capability
- > Optional rear stop/turn modules available
- > Optional 12 wire discrete harness allows operation without break-out box (10-30 Vdc only)
- > Direct connect optional

## Technical Specifications

|  |                              |   |
|--|------------------------------|---|
| INPUT VOLTAGE RANGE                                |                              | 10-16 Vdc or 10-30 Vdc  |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module:      | 3 LED Single Color: < 0.5 Amps<br>6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.0 Amp   |
|  | Corner Module:               | 6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.6 Amps  |
|  | Takedown:                    | 3 LED: < 0.42 Amps<br>6 LED: < 0.84 Amps<br>9 LED: < 1.26 Amps  |
|  | Alley:                       | 3 LED: < 0.42 Amps  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:      | 3 LED Single Color: < 3.2 Watts<br>6 LED Single Color: < 6.4 Watts<br>12 LED Dual Color: < 6.4 Watts  |
|  | Corner Module:               | 6 LED Single Color: < 6.4 Watts<br>12 LED Single Color: < 10.2 Watts  |
|  | Takedown:                    | 3 LED: < 2.7 Watts<br>6 LED: < 5.4 Watts<br>9 LED: < 8.1 Watts  |
|  | Alley:                       | 3 LED: < 2.7 Watts  |
| FLASH PATTERNS                                     |                              | Warning: 21<br>Takedown: 5<br>Alley: 5<br>Arrow L/C/R: 4<br>Arrow Warning: Solid 9 and Split 17   |
| OPERATING TEMPERATURE                              |                              | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS   |                              |   |
| Length:  | 2 Module: 23" (58.4 cm)      | 7 Module: 54" (137 cm)  |
|  | 4 Module: 35.5" (90.2cm)     | 8 Module: 60.5" (153.7 cm)  |
|  | 5 Module: 42" (106 cm);      | 10 Module: 73" (185.4 cm)   |
|  | 6 Module: 48" (12.9 cm)      |   |
| Height:  | All modules: 2.3" (5.8 cm)   |   |
| Depth:   | All modules: 12.3" (31.2 cm) |   |
| MOUNTS   |                              | Headache<br>Low Profile Fixed Bracket   |
| OPTIONS  |                              | Rear Split Arrow: available with 6 or 12 LED Dual Color Modules   |
| CERTIFICATIONS                                     |                              | SAE J845 and J595 Class 1 certified; Article 22, CA Title 13 compliant; ECE R10-4 EMC certified; ECE R65 Category T, Class 1 certified for amber and ECE R65 Category T, Class 2 certified for red/blue |
| WARRANTY   |                              | Five-year   |



turbo optic



*Coming Soon!*

## Exterior Full Size LED Lightbar With Speaker



Contact your International Sales Representative for additional information on this product.



## Features

- > Modules are offered in single color 6 or 9 LEDs, dual color 12 LEDs or tri-color 18 LEDs.
- > Several specific models for all leading sedans and trucks (sedans and trucks for the windshield lightbar)
- > Windows based PC application simplified programming and enhances configurability and control
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; saves configuration time and enhances configurability by directly mapping siren buttons to lightbar functions
- > Other user configurable options available include cruise mode, nighttime manual dimming, 34 programmable flash patterns and steady burn
- > Takedown modules can be designated anywhere on the lightbar
- > Universal model with adjustable mounting brackets accommodate most windshield angles for even broader vehicle compatibility

## Interior Windshield Lightbar



Windshield Split, Two-piece (shown)  
Windshield Full, One-piece

#ENFWBFS  
#ENFWBFF



### Technical Specifications

|  |   |   |
|--|---|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module:   | 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp        |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:   | 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts |
|  | Takedown:   | 6 LED: < 12.8 Watts   |
| FLASH PATTERNS                                     | Warning: 34<br>Arrow L/C/R: 8   |   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F                                  |   |
| DIMENSIONS   | Universal (each side): 20" (51 cm) L x 1" (2.5 cm) H x 7.5" (19 cm) D |   |
| CERTIFICATIONS                                     | SAE J845 Class 1 certified  |   |
| WARRANTY   | Five-year   |   |



## Rear Deck Lightbar



Rear Deck #ENFWBRF



### Technical Specifications

|  |                                      |   |
|--|--------------------------------------|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc                            |   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module:                          | 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp        |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:              | 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts |
|  | Work Light:                          | 6 LED: < 12.8 Watts   |
| FLASH PATTERNS                                     | Warning: 34<br>Arrow L/C/R: 8        |   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F |   |
| DIMENSIONS   | Varies by configuration              |   |
| CERTIFICATIONS                                     | SAE J845 Class 1 certified           |   |
| WARRANTY   | Five-year                            |   |

### Features

- > Modules are offered in single color 6 or 9 LEDs, dual color 12 LEDs or tri-color 18LEDs.
- > Several specific models for all leading sedans and trucks (sedans and trucks for the windshield lightbar)
- > Windows based PC application simplified programming and enhances configurability and control
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; saves configuration time and enhances configurability by directly mapping siren buttons to lightbar functions
- > Other user configurable options available include cruise mode, nighttime manual dimming, 34 programmable flash patterns and steady burn
- > Discrete rear-arrow control can be combined with warning colors for maximum functionality





## Interior Windshield Lightbar



Windshield #EPL8000WS

### Features

- > Built with our exclusive "Fusion Technology" optics to disperse an even distribution of light with a super wide angle output
- > Custom ordered for your vehicle in blue, red, green, white or amber LEDs
- > Lower profile than competing lightbars with less overall windshield obstruction and smaller footprint
- > Many vehicle specific models for SUVs, trucks and sedans
- > Universal model with adjustable mounting brackets accommodate most windshield angles for even greater compatibility with different vehicle models and years
- > Up to 2 LED take down modules can be designated in your choice of position on the lightbar
- > Universal model has 2 positions that can be designated for take downs



### Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Take down: 9 LED Single Color: < 1.0 Amp |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Take down: 6 LED: < 6.4 Watts          |
| FLASH PATTERNS                                     | Standard Warning<br>36 flash patterns<br>Takedown: 9 flash patterns                               |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS   | Universal (each side): 20" (51 cm) L x 1" (2.5 cm) H x 7.5" (19 cm) D                             |
| MOUNT  | Universal Bracket model with adjustable mounting or vehicle specific                              |
| WARRANTY   | Five-year   |



## Rear Deck Lightbar



Rear Deck #EPL8000RD



### Features

- > Built with our exclusive "Fusion Technology" optics to disperse an even distribution of light with a super wide angle output
- > Custom ordered for your vehicle in blue, red, green, white or amber LEDs
- > Low profile Rear Deck model is a sleek shrouded compact design that installs neatly into the rear deck for powerful rear warning signal
- > Lower profile than competing lightbars with less overall obstruction and smaller footprint
- > Compatible with many vehicle makes and models including Chevrolet Caprice, Impala, Dodge Charger and Ford Interceptor Sedan

### Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Work Light : 9 LED Single Color: < 1.0 Amp   |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Work Light: 6 LED: < 6.4 Watts   |
| FLASH PATTERNS                                     | 4 directional for left, center out and right<br>14 warning end patterns<br>10 directional warning patterns<br>6 or 8 rear arrow lengths available<br>(6 module length can accommodate single warning end modules) |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |
| DIMENSION  | 6 Module: 29" (11 cm) L x 1" (2.5 cm) H x 6.5" (2.6 cm) D<br>8 Module: 38.25" (15 cm) L x 1" (2.5 cm) H x 6.5" (2.6 cm) D   |
| MOUNT  | Rear Deck mount   |
| WARRANTY   | Five-year   |



## Mini Lightbars: EPL7000 and EPL7100

### Features

- > Magnetic mount has cig plug with 2-button switch panel (on, off and flash pattern advance)
  - Red LED indicator light and 10' cord length
  - 4 extra strong magnets each with an 85 pound pull each to prevent the lightbar from slipping or moving
- > Permanent mount with 12' cable with bare wires for hard wire installation
- > Fusion II Technology - optic for a bright, extra wide output
- > Non-volatile memory - recalls last flash pattern used
- > EPL7000, Class 1 certified for blue and red solid colors
- > EPL7100, Class 1 certified for amber color



#EPL7000

#### Clear Dome, 4 Module

Magnetic with Cig Plug **#EPL7M+(x)C**  
 Standard Permanent **#EPL7PD(x)C**  
 High Height Permanent **#EPL7HD(x)C**

#### Clear Dome, 4 Module (25 foot cable)

Standard Permanent **#EPL7PF(x)C**  
 High Height Permanent **#EPL7HF(x)C**

#### Amber Dome, Amber LEDs, 4 Module

Magnetic with Cigar Plug **#EPL7M+AA**  
 Standard Permanent **#EPL7PDAA**  
 High Height Permanent **#EPL7HDAA**

#### Amber Dome, 4 Module (25 foot cable)

Standard Permanent **#EPL7PFAA**  
 High Height Permanent **#EPL7HFAA**

#### Replace (x) in the Order Number for Color Selection

Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■  
 Dual/Split Colors: D= ■ ■ E= ■ ■ F= ■ ■ H= ■ ■ J= ■ ■ K= ■ ■ L= ■ ■ M= ■ ■ N= ■ ■ P= ■ ■



#EPL7100

#### Permanent Mount, 4 Module

| LED Color   | Dome Color | Order Number      |
|-------------|------------|-------------------|
| Amber       | Amber      | <b>#EPL71PDAA</b> |
| Amber       | Clear      | <b>#EPL71PDAC</b> |
| Amber/White | Clear      | <b>#EPL71PDFC</b> |
| Red/Amber   | Clear      | <b>#EPL71PDKC</b> |
| Blue/Amber  | Clear      | <b>#EPL71PDMC</b> |

#### Magnetic Mount, 4 Module

| LED Color   | Dome Color | Order Number      |
|-------------|------------|-------------------|
| Amber       | Amber      | <b>#EPL71M+AA</b> |
| Amber       | Clear      | <b>#EPL71M+AC</b> |
| Amber/White | Clear      | <b>#EPL71M+FC</b> |
| Red/Amber   | Clear      | <b>#EPL71M+KC</b> |
| Blue/Amber  | Clear      | <b>#EPL71M+MC</b> |

#### Technical Specifications: EPL7000 and EPL7100

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc   |
| CURRENT DRAW          | 2 Amps average @ 12.8 Vdc   |
| LED COUNT             | 24 LEDs   |
| FLASH PATTERNS        | 28 flash patterns   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 14.16" (36 cm) L x 8.27" (21 cm) W x 1.90" (4.8 cm) H   |
| MOUNTS                | Magnetic: 2.97" (7.5 cm) Overall height, 0.87" (2.2 cm) clearance<br>Low Permanent: 2.28" (5.8 cm) Overall height 0.38" (1.0 cm) clearance<br>High Permanent: 4.25" (10.8 cm) Overall height 2.35" (6.0 cm) clearance |
| CERTIFICATIONS        | EPL7000: SAE J845 Class 1 certified (blue and red solid colors only)<br>EPL7100: SAE J845 Class 1 certified (amber solid color only)  |
| WARRANTY              | Five-year   |



# LED3

## Mini Lightbar



### 10-16 Vdc

Magnetic Mount **#EL3MBM+(x)C**

Permanent Mount **#EL3MBPD(x)C**

### 10-30 Vdc

Magnetic Mount **#EL3MBM3Ø+(x)C**

Permanent Mount **#EL3MBP3ØD(x)C**

#### Replace (x) in the Order Number for Color Selection

Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■

Dual/Split Colors: D= ■ ■ E= ■ ■ F= ■ ■ H= ■ ■ J= ■ ■ K= ■ ■ L= ■ ■ M= ■ ■

N= ■ ■ P= ■ ■ .

### Features

- > 10 powerful LED3 modules totaling 30 LEDs
- > Magnetic mount includes 12 volt DC plug with 2-button switch panel for on, off and flash pattern advance with red LED indicator light and 10' cord length
- > Magnetic mount features 4 extra strong magnets - each with 85 lb. pull to prevent the lightbar from slipping or moving
- > Permanent mount includes 12' cable with bare wires for hard wire installation
- > Non-volatile memory recalls last flash pattern used at power up
- > Clear outer dome with solid or split LED colors

### Technical Specifications

|                       |  |
|-----------------------|--|
| INPUT VOLTAGE RANGE   | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | 2.5 Amps @ 12.8 Vdc  |
| LED COUNT             | 30 LEDs  |
| FLASH PATTERNS        | 24 flash patterns  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 14.16" (36 cm) L x 8.27" (21 cm) W x 1.90" (4.8 cm) H  |
| MOUNTS                | Magnetic: 2.97" (7.5 cm) Overall height, 0.87" (2.2 cm) clearance<br>Permanent: 2.28" (5.8 cm) Overall height 0.38" (1.0 cm) clearance |
| WARRANTY              | Five-year  |

# Directional Warning





# Directional Warning

EXTERIOR  
TRAFFIC CONTROLLER

INTERIOR  
TRAFFIC CONTROLLER

EXTERIOR BARS

INTERIOR BAR

**Additional nFORCE Products:** Exterior Lightbar, 3; Interior Windshield Lightbar, 11; Interior Rear Deck Lightbar, 12; Surface Mounts, 31; FIT Surface Mount, 35; Deck/Grille Mounts, 49; FIT Deck/Grille Mount, 51; Recess Mount, 55; FIT Recess Mount, 57 and Windshield Lights, 60.

**Additional UltraLITE Product:** Interior Windshield Lights, 63.





## Features

### Exterior

- > Designed and tested to withstand tough working applications and extreme weather environments

### Exterior and Interior

- > Modules can be specified in any combination of single color 6 or 9 LED, dual color 12 LED or tri-color 18 LED counts
- > Modules that utilize white LEDs can be specified as takedown, work lights or flood lighting
- > Designed for exterior usage
  - Manual dimming capability for nighttime use
- > Cruise mode
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to traffic controller functions
- > Standard "L" shaped mounting brackets are included

## Exterior Traffic Controller



4 Module **#ENFTCDXS1204**



6 Module **#ENFTCDXS1206**



8 Module **#ENFTCDXS1208**

## Interior Traffic Controller



4 Module **#ENFTCDGS1204**



6 Module **#ENFTCDGS1206**



8 Module **#ENFTCDGS1208**

### Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module: 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | LED Module: 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts<br>Takedown: 6 LED: < 12.8 Watt |
| FLASH PATTERNS                                     | Warning 34 and Arrow 8  |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to + 149° F   |
| DIMENSIONS   | Length: 4 Module: 19" (48.3 cm); 6 Module: 26.7" (67.8 cm) and 8 Module: 35.5" (90 cm)<br>Height: All modules: 1.9" (4.7 cm)<br>Depth: All modules: 2.47" (6.3 cm)                |
| CERTIFICATION                                      | SAE J845 Class 1 certified  |
| WARRANTY   | Five-year   |

exterior



Aluminum Endcap

interior





## Features

- > Intense warning power provides a distinct safety advantage
- > Each module has 3 very bright, high bin LEDs for better reliability and performance
- > Sealed for exterior weatherability
- > Custom color configurations offered for exterior 2, 4, 8 or 12 module bars
- > 8 and 12 module warning bars can be programmed to flash three separate warning patterns controlled by discrete input wires
- > Compatible with our directional arrow switch+, part number ETSWDAS01
- > Includes adjustable height universal "L"-brackets (pair) for dash/deck or headliner mounts

## Exterior LED Directional Warning Bars



### 2 Module

10-16 Vdc

10-30 Vdc

#EL3D02A00(x)

#EL3D02A00(x)-24



### 4 Module

10-16 Vdc

10-30 Vdc

#EL3D04A00(x)

#EL3D04A00(x)-24



### 8 Module, Solid or Split

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D08A00(x)

#EL3D08A00(x)-24

#EL3D08A00L(x)-24

### 8 Module, Single Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D08A10(x)

#EL3D08A10(x)-24

#EL3D08A1L(x)-24

### 8 Module, Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

10-30 Vdc

#EL3D08B10(x)

#EL3D08B10(x)-24

## Technical Specifications

|                       |  |   |
|-----------------------|--|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc or 10-30 Vdc   |   |
| CURRENT DRAW          | < 1 Amp per module   |   |
| LED COUNT             | 2 Module:  | 6 LEDs  |
|                       | 4 Module:  | 12 LEDs   |
|                       | 8 Module:  | 24 LEDs   |
|                       | 12 Module:   | 36 LEDs   |
| FLASH PATTERNS        | 2 Module:  | 33 flash patterns                                 |
|                       | 4 Module:  | 21 flash patterns                                 |
|                       | 8 Module:  | 12 to 20 flash patterns (configuration dependent) |
|                       | 12 Module:   | 12 to 20 flash patterns (configuration dependent) |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                             |   |
| DIMENSIONS            | Length:  | 2 Module: 6.9" (18 cm)                            |
|                       |  | 4 Module: 13.25" (34 cm)                          |
|                       |  | 8 Module: 26" (66 cm)                             |
|                       |  | 12 Module: 38.75" (98 cm)                         |
|                       | Height:  | All modules: 1.5" (3.8 cm)                        |
|                       | Depth:   | All modules: 1.5" (3.8 cm)                        |
| CERTIFICATIONS        | SAE J595 Class 1 certified and Article 22: CA Title 13 compliant |   |
| WARRANTY              | Five-year  |   |





### 12 Module, Solid or Split

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12A00(x)

#EL3D12A00(x)-24

#EL3D12A0L(x)-24

### 12 Module, Single Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12A10(x)

#EL3D12A10(x)-24

#EL3D12A1L(x)-24

### 12 Module, Dual Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12A20(x)

#EL3D12A20(x)-24

#EL3D12A2L(x)-24

### 12 Module, Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc, Single Warning Ends

10-30 Vdc , Single Warning Ends

10-16 Vdc, Dual Warning Ends

10-30 Vdc , Dual Warning Ends

#EL3D12B10(x)

#EL3D12B10(x)-24

#EL3D12B20(x)

#EL3D12B20(x)-24

Replace (x) in the Order Number for Color Selection

Solid Colors: A = B = G = R = W =

Dual Colors: A = B = D = E = F = G = H = J =

K = L = M = N = P = R = W =





## Interior LED Directional Warning Bars



### 4 Module , Solid or Split

10-16 Vdc

#EL3H04A00(x)



### 8 Module, Solid or Split

10-16 Vdc

#EL3H08A00(x)

### 8 Module, Single Warning Ends, Amber Center

10-16 Vdc

#EL3H08A10(x)

### 8 Module, Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H08B10(x)



### 12 Module, Solid or Split

10-16 Vdc

#EL3H12A00(x)

### 12 Module, Single Warning Ends, Amber Center

10-16 Vdc

#EL3H12A10(x)

### 12 Module, Dual Warning Ends, Amber Center

10-16 Vdc

#EL3H12B10(x)

### 12 Module, Single Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H12B10(x)

### 12 Module, Dual Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H12B20(x)

## Technical Specifications

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc   |
| CURRENT DRAW          | < 1 Amp per module  |
| LED COUNT4 Module:    | 12 LEDs<br>8 Module: 24 LEDs<br>12 Module: 36 LEDs  |
| FLASH PATTERNS        | 4 Module: 21 flash patterns<br>8 Module: 12 to 20 flash patterns (configuration dependent)<br>12 Module: 12 to 20 flash patterns (configuration dependent)        |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Length: 4 Module: 13.25" (34 cm)<br>8 Module: 26" (66 cm)<br>12 Module: 38.75" (98 cm)<br>Height: All modules: 1.5" (3.8 cm)<br>Depth: All modules: 1.5" (3.8 cm) |
| CERTIFICATIONS        | SAE J595 Class 1 certified and Article 22: CA Title 13 compliant  |
| WARRANTY              | Five-year   |

## Features

- > Intense warning power provides a distinct safety advantage
- > Each module has 3 very bright, high bin LEDs for better reliability and performance
- > Slim, narrow design is perfect for headliner, dash/windshield and rear deck mounts in all types of vehicles
- > Program up to 3 warning patterns on the 8 and 12 module dual/split color bars
- > 8 and 12 module warning bars can be programmed to flash three separate warning patterns controlled by discrete input wires
- > Compatible with our directional arrow switch (#ETSWDAS01)
- > Includes adjustable height universal "L" brackets (pair) for dash/deck or headliner mounts

Replace (x) in the Order Number for Color Selection

Solid Colors: A=  B=  G=  R=  W=   
 Dual Colors: A=  B=  D=  E=  F=  G=  H=  J=   
 K=  L=  M=  N=  P=  R=  W= 



## ACCESSORIES

# visors

Light not included.

- a. Chevrolet Tahoe, pair **#PUL3MØ2**
- b. Chevrolet Impala, pair **#PUL3MØ3**
- c. Dodge Charger, single **#PUL3MØ4**



For Universal bracket accessories, refer to the following page.



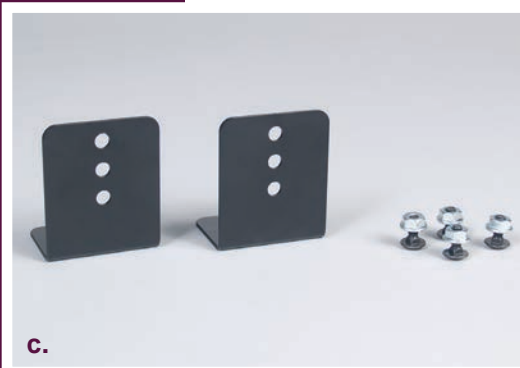
## Interior LED Directional Warning Bars

[continued]

### ACCESSORIES universal brackets Light not included.

- a. One hole, pair
- b. Two holes, pair
- c. Three holes, pair
- d. Seven holes, pair

**#PUL3DGMØ1**  
**#PUL3DGMØ2**  
**#PUL3DGMØ3**  
**#PUL3DGM**





# TrafficMaster

## Exterior LED Directional Warning Bars



#ETT3MLEDSA



#ETT3MLED-P

### Features

- > Universal design fits interior rear windows in all types vehicles or can be mounted on the exterior
- > 8 sealed weatherproof modules
- > Reliable self-contained solid state design
- > Includes control box and mounting brackets
- > Control box features illuminated display to show flash pattern selected and 5-position rotary switch to control all primary functions
- > Hard wire installation with 25' cable

### Technical Specifications

|                       |  |
|-----------------------|--|
| INPUT VOLTAGE RANGE   | 10-30 Vdc  |
| CURRENT DRAW          | 2.2 Amps max   |
| LED COUNT             | 168 LEDs   |
| FLASH PATTERNS        | 2 warning patterns and 6 arrow patterns  |
| OPERATING TEMPERATURE | -30° C to +65° C / -22° F to +149° F   |
| DIMENSIONS            | Split Arrow: 21" (53 cm) L (each end) x 2.75" (7 cm) H x 1.75" (4.5 cm) D<br>Solid Bar: 42" (107 cm) L x 2.75" (7 cm) H x 1.75" (4.5 cm) D |
| MOUNTING              | Surface mount (brackets included)  |
| WARRANTY              | Five-year  |

# Perimeter Lighting





# Perimeter Lighting

UNDER MIRROR

SURFACE MOUNTS

DECK/GRILLE MOUNTS

RECESS MOUNTS

WINDSHIELD LIGHTS

INSERTS

STROBE POWER SUPPLY

**Additional nFORCE Products:** Exterior Lightbar, 3; Interior Windshield Lightbar, 11;  
Interior Rear Deck Lightbar, 12; Exterior Traffic Controller, 19 and Interior Traffic Controller, 19.

**Additional UltraLITE Products:** Exterior LED Directional Warning Bar, 21 and Interior LED Directional Warning Bar, 23.

# intersector

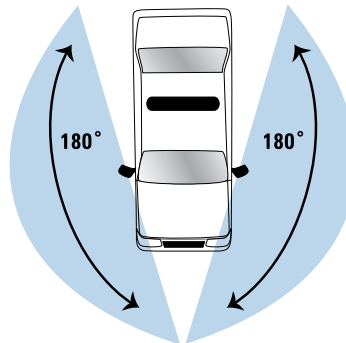
## Under Mirror Light



|                                 |               |
|---------------------------------|---------------|
| 9 LED, Solid Colors             | #ENT2B3(x)    |
| 18 LED, Dual Colors             | #ENT2B3(x)    |
| 9 LED, Solid Colors, Xylex Lens | #ENT2B3(x)-EU |
| 18 LED, Dual Colors, Xylex Lens | #ENT2B3(x)-EU |

Replace (x) in the Order Number for Color Selection

|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|
| 9 LED Solid Colors: A= <span style="color: yellow;">■</span> B= <span style="color: blue;">■</span> R= <span style="color: red;">■</span> G= <span style="color: green;">■</span> W= <span style="color: white;">■</span>  |  |  |  |  |  |  |  |  |  |  |  |
| 18 Dual Colors: D= <span style="color: red;">■</span> E= <span style="color: blue;">■</span> F= <span style="color: yellow;">■</span> H= <span style="color: green;">■</span> J= <span style="color: red;">■</span> K= <span style="color: yellow;">■</span> L= <span style="color: green;">■</span> M= <span style="color: blue;">■</span> N= <span style="color: green;">■</span> P= <span style="color: yellow;">■</span> |  |  |  |  |  |  |  |  |  |  |  |



No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections and offer side warning illumination.

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Single: 30 color patterns<br>Dual: 12 single and 14 dual color patterns |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | Single colors: < 1.25 Amps<br>Dual colors: < 1.25 Amps                  |
| LIGHT SYNC            | 24 single lightheades   |
| LED COUNT             | Solid colors: 9 LEDs<br>Dual colors: 18 LEDs                            |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                                    |
| DIMENSIONS            | 2.9" (7.4 cm) W x 1.9" (4.8 cm) H x 2.9" (7.4 cm) D                     |
| MOUNTING              | Under Mirror or Surface mount   |
| CERTIFICATIONS        | SAE J845 Class 1 WS3-1 (100) certified                                  |
| WARRANTY              | Five-year   |

### Features

- > The first light of its kind to offer critical intersection warning and side warning
- > Design of light is based upon problem solving research - 30% of all emergency vehicle crashes are likely to occur at dangerous intersections
- > Unique under mirror mount simplifies installation - labor saving light is much easier to install than traditional front mirror skull mounts - no mirrors to work behind or around
- > Light can be surface mounted to any flat area on any type of vehicle - elevate your safety and visibility by mounting to the headache rack or body of the vehicle wherever additional lighting is needed
- > Features cruise mode for steady burn if desired
- > Light includes three mounting wedges (0, 5, 10 and 15 degrees) and foam gasket
- > Light has separate control functionality and is sync compatible with nFORCE® products
- > Dual light allows either color to be set to flash or steady-burn
- > Steady-burn white can be specified as a means of providing additional side/alley lighting
- > The flasher has been integrated into the light to provide easier installation





## ACCESSORIES curved surface adaptors

Sold in pairs. Light not included.

Universal

Chevy Caprice, 2011+

Dodge Charger, 2011+

Ford Sedan, 2013+

Ford Explorer PI, 2013+

Dodge Durango Special Service Vehicle, 2013+

**#PNT1CRV01**

**#PNT1CRV02**

**#PNT1CRV03**

**#PNT1CRV04**

**#PNT1CRV05**

**#PNT1CRV06**



## installation bracket

Light not included.

Bracket and Screws included

**#PNT1WRRT**





## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

## Surface Mounts



### Single

|  |               |
|--|---------------|
| 6 LED, Solid or Split Colors   | #ENFSSS1(x)   |
| 9 LED, Solid Colors  | #ENFSSS2(x)   |
| 9 LED, Solid Color - Amber, High Output                              | #ENFSSS2A-PC  |
| 9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens, ECE R65 | #ENFSSE2(x)   |
| 12 LED, Solid or Dual Colors   | #ENFSSS3(x)   |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                | #ENFSSS4(xxx) |







### Dual Stacked















|  |               |
|--|---------------|
| 6 LED, Solid or Split Colors   | #ENFDSS1(xx)  |
| 9 LED, Solid Colors  | #ENFDSS2(xx)  |
| 9 LED, Solid Color - Amber/Amber, High Output  | #ENFDSS2AA-PC |
| 9 LED, Solid Colors - Amber/Amber, Blue/Amber or Blue/Blue or Red/Red, Xylex Lens, ECE R65 | #ENFDSE2(xx)  |
| 12 LED, Solid or Dual Colors   | #ENFDSS3(xx)  |
| 18 LED, Tri Color - Blue/Red/Amber or Blue/Red/White                                       | #ENFDSS4(xxx) |

## Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24 single lightheades   |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | Single: 5.0" (12.7 cm) L x 1.72" (4.3 cm) H x 1.50" (3.8 cm) D<br>Dual Stacked: 5.0" (12.7 cm) L x 3.13" (7.9 cm) H x 1.50" (3.8 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |

## Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A =  B =  R =  W = 

Dual Colors: D =   E =   F =   J or JJ =   Tri-Colors: BRA =    BRW =   

### Single

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (x)   | = | A, B, R or W                                 |
| 6 LED Split Colors | (x)   | = | J  |
| 9 LED Solid Colors | (x)   | = | A, B, R or W                                 |
| 12 LED Dual Colors | (x)   | = | D, E, F or J                                 |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

### Dual Stacked

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (xx)  | = | AA, AW, BA, BB, BW, RA, RB, RR or RW         |
| 6 LED Split Colors | (xx)  | = | JJ   |
| 9 LED Solid Colors | (xx)  | = | A, B, R or W                                 |
| 12 LED Dual Colors | (xx)  | = | JJ   |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

## Module LED Color Patterns

|                   |   |
|-------------------|---|
| 6 LED Solid:      |  |
| 6 LED Split:      |  |
| 9 LED Solid:      |  |
| 12 LED Solid:     |  |
| 12 LED Dual:      |  |
| 18 LED Tri-Color: |  |





## Surface Mounts

[continued]





## ACCESSORIES

# surface mount brackets

Light and replacement modules not included.

- a. Behind the grille installation, includes driver and passenger sides, Chevy Tahoe 2015
- b. Horizontal license plate
- c. Rear spoiler, includes driver and passenger sides, Chevy Tahoe 2015+
- d. Vertical license plate
- e. 45 degree angle, horizontal mount
- f. 90 degree angle, horizontal mount
- g. Rear spoiler, dual, driver side, Ford PI Utility 2011+  
Rear spoiler, dual, passenger side, Ford PI Utility 2011+
- h. Rear spoiler, single, Ford PI Utility 2011+

#PNFSLDGSB-TH

#PNFSLBRK2LPH

#PNFSLRSBTH

#PNFSLBRK2LPV

#PNFSLBRK145

#PNFSLBRK190

#PNFSLRSBUVD

#PNFSLRSBUVP

#PNFSLRSBUVS



a.



b.



c.



d.



e.



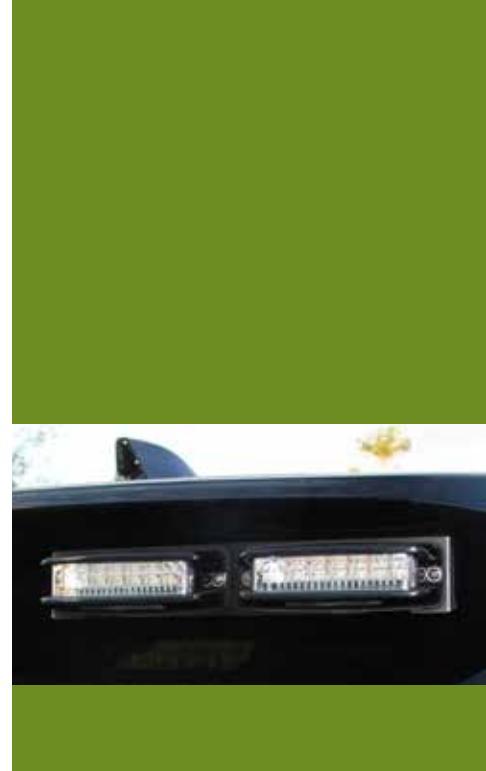
f.



g.



h.



## fog light kit

Replacement modules not included.

- a. Includes driver and passenger fog light bezels, mounting plates and hardware, Chevy Tahoe, 2015

#PNFSLFLKTTTH



a.





## FIT Surface Mount



### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > Available in a 3 and 6 LED solid, 6 LED dual and 9 LED tri-colors
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

3 LED, Solid Colors

6 LED, Solid or Dual Colors

9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White

#ENFFTSSMS3(x)

#ENFFTSSMS6(x)

#ENFFTSSMS9(xxx)

#### Replace (x) or (xxx) in the Order Number for Standard Color Selection

|   |  |
|---|--|
| Solid Colors: A = <span style="color: yellow;">■</span> B = <span style="color: blue;">■</span> R = <span style="color: red;">■</span> W = <span style="color: white;">■</span>   |  |
| Dual Colors: D = <span style="color: red;">■</span> <span style="color: white;">■</span> E = <span style="color: blue;">■</span> <span style="color: white;">■</span> F = <span style="color: yellow;">■</span> <span style="color: white;">■</span> J or JJ = <span style="color: red;">■</span> <span style="color: blue;">■</span> | Tri-Colors: BRA = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> BRW = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: white;">■</span> |
| 3 LED Solid Colors (x) =  | A, B, R or W   |
| 6 LED Solid or Dual Colors (x) =  | A, B, D, E, F, J, R or W   |
| 9 LED Tri-Colors (xxx) =  | BRA (blue/red/amber) or BRW (blue/red/white)   |

#### Module LED Color Patterns

|                   |  |
|-------------------|--|
| 3 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Dual:       | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>   |
| 9 LED Tri-Colors: | <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> |



### Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24 single lightheads                                     |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |



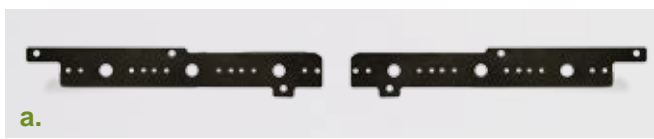
## ACCESSORIES FIT surface mount brackets

Light not included.

- a. Behind the grille installation, includes driver and passenger sides, Chevy Tahoe 2015
- b. Provides horizontal or vertical mounting capability; 2 lights, 1 on each side

#PNFSLDGSB-TH

#PNFFTBRK2LP

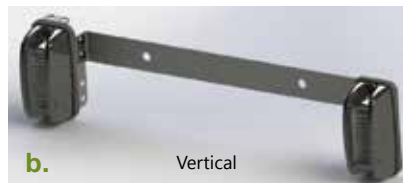


a.



b.

Horizontal



b.

Vertical



# intersector

## Surface Mount



### Features

- > No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections
- > Includes Surface Mount light in your choice of LED and housing colors, neoprene gasket and mounting hardware for installation
- > Patented design, the first light of its kind to offer critical intersection warning and side warning illumination now available with surface mount capabilities
- > Light has separate control functionality and is sync compatible with nFORCE® products
- > Dual light allows either color to be set to flash or steady-burn
- > Steady-burn white can be specified as a means of providing additional side/alley lighting
- > The flasher has been integrated into the light to provide easier installation

|                                     |            |
|-------------------------------------|------------|
| 9 LED, Solid Colors, Black Housing  | #ENT3B3(x) |
| 9 LED, Solid Colors, White Housing  | #ENT3W3(x) |
| 9 LED, Solid Colors, Chrome Housing | #ENT3C3(x) |
| 18 LED, Dual Colors, Black Housing  | #ENT3B3(x) |
| 18 LED, Dual Colors, White Housing  | #ENT3W3(x) |
| 18 LED, Dual Colors, Chrome Housing | #ENT3C3(x) |

Replace (x) in the Order Number for Color Selection

9 LED Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
 18 LED Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ H = ■ ■ J = ■ ■ K = ■ ■ L = ■ ■ M = ■ ■ N = ■ ■ P = ■ ■



### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Single: 30 color patterns<br>Dual: 12 single and 14 dual color patterns |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | < 1.25 Amps   |
| LIGHT SYNC            | 24 single lightheads  |
| LED COUNT             | Solid colors: 9 LEDs or Dual colors: 18 LEDs                            |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                                    |
| DIMENSIONS            | 2.9" (7.4 cm) W x 1.9" (4.8 cm) H x 2.9" (7.4 cm) D                     |
| MOUNTING              | Under Mirror or Surface mount   |
| CERTIFICATIONS        | SAE J845 Class 1 WS3-1 (100) certified                                  |
| WARRANTY              | Five-year   |





ACCESSORIES

## single surface mount brackets

Light not included.

- a. Chevrolet Tahoe
- b. Deck/Grille Mount

#PNT3DGBB-TH  
#PNT3DGBB





## Surface Mounts



Black Housing

### Single

Black Housing, 10-16 Vdc  
 Chrome Housing, 10-16 Vdc  
 White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc  
 Chrome Housing, 10-30 Vdc  
 White Housing, 10-30 Vdc

Black Housing, 10-16 Vdc, ECE 65 Certified  
 Chrome Housing, 10-16 Vdc, ECE 65 Certified  
 White Housing, 10-16 Vdc, ECE 65 Certified

Xylex Lens; amber, blue and red on all housing colors

Black Housing, 10-30 Vdc, ECE R65/EMC Certified  
 Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified  
 White Housing, 10-30 Vdc, ECE R65/EMC Certified

Amber, blue and red on all housing colors

#EGHST2(x)-12

#EGHST2(x)C-12

#EGHST2(x)W-12

#EGHST2(x)

#EGHST2(x)C

#EGHST2(x)W

#EGHSTE2(x)B-EU

#EGHSTE2(x)C-EU

#EGHSTE2(x)W-EU

#EGHSTE2(x)B

#EGHSTE2(x)C

#EGHSTE2(x)W

### Single Stop/Tail

Black Housing, 10-30 Vdc, Red LEDs  
 Black Housing, 10-30 Vdc, Amber LEDs  
 Chrome Housing, 10-30 Vdc, Red LEDs  
 White Housing, 10-30 Vdc, Red LEDs  
 White Housing, 10-30 Vdc, Blue LEDs

#EGHSTT2RB

#EGHSTT2AB

#EGHSTT2RC

#EGHSTT2RW

#EGHSTT2BW

### Single Spot

Black Housing, 10-30 Vdc, White LEDs  
 Chrome Housing, 10-30 Vdc, White LEDs  
 White Housing, 10-30 Vdc, White LEDs

#EGHSTS2W

#EGHSTS2WC

#EGHSTS2WW



Black Housing

### Dual Stacked

Black Housing, 10-16 Vdc  
 Chrome Housing, 10-16 Vdc  
 White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc  
 Chrome Housing, 10-30 Vdc  
 White Housing, 10-30 Vdc

#EGHST6(x)B-12

#EGHST6(x)C-12

#EGHST6(x)W-12

#EGHST6(x)B

#EGHST6(x)C

#EGHST6(x)W

## Features

- > Sleek, narrow surface mount light, fits almost anywhere
- > Premium optics offer optimal power and brightness
- > Includes rubber mounting gasket and mounting hardware with 3-wire cable



Chrome Housing



White Housing

Replace (x) in the Order Number for Color Selection

Solid Colors: A =  B =  G =  R =  W =   
Dual/Split Colors: A =  B =  D =  E =  F =  G =  H =  J =  K =  L =  M =  N =  P =  R =  W = 

## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4 single and 2 dual-stacked   |
| LED COUNT             | Single: 6 LEDs<br>Dual Stacked: 12 LEDs (6 per module)  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | Single: 0.75 Amps (flash pattern dependent)<br>Dual Stacked: > 1.5 Amps   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Single/Stop Tail: 5.7" (14 cm) L x 1.06" (2.7 cm) H x 1.8" (4.6 cm) D<br>Dual Stacked: 5.4" (14 cm) L x 2.4" (6.1 cm) H x 1" (2.5 cm) D |
| MOUNTING              | Single: On 4.9" (12.4 cm) centers<br>Dual Stacked: 4.85" (12 cm) centers  |
| CERTIFICATIONS        | SAE J595, Class 1 certified; Article 22, CA Title 13 compliant;<br>Two, ECE 65 certified and 72/245/EEC, EMC certified                  |
| WARRANTY              | Five-year   |



## ACCESSORIES

### single surface mount brackets

Light not included.

- a. Side Mirror Grommet (pair), Ford Interceptor Sedan, 2013+ **#PGHSTSMMFPI**
- b. Behind the grille installation, includes driver and passenger sides, Chevy Tahoe, 2015 **#PNFSLDGSB-TH**
- c. Single Surface Mount Vertical License Plate **#PNFSLBRK2LPV**





## Surface Mounts



### Single

Black Housing, Solid Colors  
Chrome Housing, Solid Colors  
White Housing, Solid Colors

#EP2SSMDB(x)  
#EP2SSMDB(x)C  
#EP2SSMDB(x)W

Black Housing, Split Colors  
Chrome Housing, Split Colors  
White Housing, Split Colors

#EP2SSMBS(x)  
#EP2SSMCS(x)  
#EP2SSMWS(x)



Dual Stacked



Dual Stacked Stop/Tail

### Dual Stacked

Black Housing, Solid Colors  
Chrome Housing, Solid Colors  
White Housing, Solid Colors

#EP2DSMDB(x)  
#EP2DSMDB(x)C  
#EP2DSMDB(x)W

### Dual Stacked Stop/Tail

Black Housing, Solid and Dual Colors  
Chrome Housing, Solid and Dual Colors  
White Housing, Solid and Dual Colors

#EP2DSMSTT(x)  
#EP2DSMSTT(x)C  
#EP2DSMSTT(x)W

Upper warning module can be blue, red or amber. Bottom module is red only with stop/tail function.



### Dual Side-by-Side

Black Housing, Solid and Dual Colors  
Chrome Housing, Solid and Dual Colors  
White Housing, Solid and Dual Colors

#EP2DSSDB(x)  
#EP2DSSDB(x)C  
#EP2DSSDB(x)W

Replace (x) in the Order Number for Color Selection

Solid Colors: A= B= G= R= W=   
Dual/Split Colors: A= B= D= E= F= G= H= J= K= L= M= N= P= R= W=



## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4 single and 2 dual-stacked/side-by-side   |
| LED COUNT             | Single: 8 LEDs<br>Dual Stacked: 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | Single: 1.1 Amps maximum<br>Dual Stacked: 2.0 Amps maximum (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | Single: 4.5" (11 cm) W x 2.4" (6.0 cm) H x 1.25" (3.2 cm) D;<br>Dual Stacked: 4.5" (11 cm) W x 3.8" (9.7 cm) H x 1.25" (3.2 cm) D<br>Side-by-Side: 8.2" (21 cm) W x 2.4" (6.0 cm) H x 1.25" (3.2 cm) D |
| MOUNTS                | Single: 4.125" (1.0 cm) centers<br>Dual Stacked: 4.14" (1.0 cm) centers<br>Side-by-Side: 7.85" (20 cm) centers   |
| CERTIFICATIONS        | SAE J595, Class 1 certified and Article 22, CA Title 13 compliant  |
| WARRANTY              | Five-year  |



White Housing



Black Housing



Chrome Housing

## ACCESSORIES

### single surface mount brackets

Light not included.

- a. 45 Degrees, Vertical (pair)
- b. 90 Degrees (pair)

#PPRSM45BRKT

#PPRSM90BRKT



a.



b.

# LED3

## Mini Surface Mount



10-16 Vdc, Solid Colors

**#EL3SN(x)**

10-30 Vdc, Solid Colors

**#EL3SN3Ø(x)**

10-30 Vdc, Amber and Blue LEDs, ECE R65 Certified

**#EL3SN3Ø(x)-EC**

10-16 Vdc, White, Mini Spot Light

**#EL3SSCW**

10-30 Vdc, White, Mini Spot Light

**#EL3SS3ØLW**

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■



## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns<br>ECE R65: 3 flash patterns   |
| LIGHT SYNC            | 4  |
| LED COUNT             | 3 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | < 0.5 Amps   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 2.5" (6.4 cm) W x 1.4" (3.6 cm) H x 1.25" (3.2 cm)   |
| MOUNTING              | 2.21" (5.6 cm) centers   |
| CERTIFICATIONS        | SAE J595 Class 1 certified; Article 22, CA Title 13 compliant<br>(blue and red = 1 light and amber = 2 lights)<br>ECE R65 Class 1 certified (amber and blue) |
| WARRANTY              | Five-year  |

## ACCESSORIES

# surface mount brackets

Light not included.

- a. Universal License Plate, Horizontal  
Universal License Plate, Vertical
- b. Universal Grille
- c. 45 Degrees, Horizontal  
45 Degrees, Vertical
- d. 90 Degrees
- e. Side-by-Side, 90 Degrees
- f. Stacked 90 Degrees, Horizontal
- g. Stacked 90 Degrees, Vertical

#EL3SNBRK2LPH  
#EL3SNBRK2LPV  
#EL3SNBRK1GRU  
#EL3SNHBRK145  
#EL3SNBRK145  
#EL3SNBRK19Ø  
#EL3SNBRK29ØH  
#EL3SNBRK29ØV  
#EL3SNBRK29ØV



a.



b.



c.



d.



e.



f.



g.

# surface mount bezels

Light not included.

- a. 4" Round, Ford Interceptor Utility, 2011-2014
- b. 3.5" Round, Dodge Charger, 2011-2014
- c. Single
- d. Dual Stacked
- e. Dual Side-by-Side

#PEL3FLBKFSU  
#PEL3FLBKDC  
#PEL3BZSG(x)  
#PEL3BDS(x)  
#PEL3BZSS(x)

Replace (x) for these available housing colors: Black=B, Chrome=C and White=W



a.



b.



c.



d.



e.



## Features

- > Light is sold per unit
- > Light can be surface mounted to any flat area on any type of vehicle
- > Prime applications include rocker panels, push bumpers, tailgates and headache racks
- > Distributes exceptional profile visibility to dangerous intersections
- > Compact extruded aluminum housing is visually inconspicuous and weather resistant
- > 19 inches of wire cable for hard wire installation

# nLINE

## Running Light



48" Length Shown

|                                      |              |
|--------------------------------------|--------------|
| 36", Driver, Left Side Wire Exit     | #ENL136(x)-L |
| 36", Passenger, Right Side Wire Exit | #ENL136(x)-R |
| 48", Driver, Left Side Wire Exit     | #ENL148(x)-L |
| 48", Passenger, Right Side Wire Exit | #ENL148(x)-R |
| 60", Driver, Left Side Wire Exit     | #ENL160(x)-L |
| 60", Passenger, Right Side Wire Exit | #ENL160(x)-R |
| 72", Driver, Left Side Wire Exit     | #ENL172(x)-L |
| 72", Passenger, Right Side Wire Exit | #ENL172(x)-R |

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■

Dual/Split Colors: D = ■ ■ E = ■ ■ F = ■ ■ J = ■ ■ K = ■ ■ M = ■ ■



## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 10 flash patterns   |
| LIGHT SYNC            | 6   |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | 0.58 Amps @ 16 Vdc  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 36" (91.4 cm) W<br>48" (121.9 cm) W<br>60" (152.4 cm) W<br>72" (182.9 cm) W<br>.75" (1.9 cm) D (all lights) |
| MOUNTING              | Surface mount   |
| WARRANTY              | Three-year  |



# Fusion Lite

## Surface Mount



- Black Housing, Solid Colors

#EFL1BØ(x)
- White Housing, Solid Colors

#EFL1WØ(x)
- Black Housing, Dual Color, Red/Blue

#EFL2BØJ

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■

### Features

- > Fusion II Technology - optic for a bright, extra wide output
- > Light can be surface mounted to any flat area on any type of vehicle - elevate your safety and visibility by mounting to the headache rack
- > Non-volatile memory - recalls last flash pattern used
- > Permanent mount with 6" cable with bare wires for hard wire installation



### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 6 flash patterns  |
| LIGHT SYNC            | 6   |
| LED COUNT             | Solid colors, 1 LED<br>Dual color, 2 LEDs                       |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | < .5 Amps   |
| OPERATING TEMPERATURE | -20° C to +65° C  |
| DIMENSIONS            | 3.2" (8 cm) L x 1.7" (4.2 cm) W x .8" (2 cm) H                  |
| MOUNTING              | Mounting screws included  |
| CERTIFICATIONS        | RoHS and WEEE compliant and meets SAE J845 Class 2 requirements |
| WARRANTY              | Five-year   |



# intersector

## Compass Fender Lights

### Features

- > No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections
- > The first light of its kind to offer critical intersection warning capabilities
- > Includes Surface Mount light in your choice of LED colors
- > Includes mounting hardware with 36" of 3-wire cable
- > Dual light allows either color to be set to flash or steady-burn
- > Provides "sync 2" capability and is fully compatible with all nFORCE® Perimeter Lighting
- > Steady-burn white can be specified as a means of providing additional side/alley lighting
- > The flasher has been integrated into the light to provide easier installation



2013 Ford Interceptor Sedan, Pair (right side shown)

#ECPNTKF1B(xx)

### Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-16 Vdc  |
| DIMENSIONS    | 9.5" (24 cm) L x 2.75" (7 cm) W x .5" (1.3 cm) D |
| WARRANTY      | Five-year  |



2012 Chevrolet Caprice, Pair (right side shown)

#ECPNTKC1B(xx)

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| DIMENSIONS    | 14 (35.6 cm) L x 2.75" (7 cm) W x 1.5" (3.8 cm) D |
| WARRANTY      | Five-year   |

Replace (xx) in the Order Number for Color Selection.

The first (x) is for the left side. The second (x) is for the right side.

9 LED Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■

18 Dual Colors: D= ■ ■ E= ■ ■ F= ■ ■ H= ■ ■ J= ■ ■ K= ■ ■ L= ■ ■ M= ■ ■ N= ■ ■ P= ■ ■



## Compass Fender Lights



2013 Ford Interceptor Sedan, Pair (right side shown)

#ECPGHKF1B(xx)

### Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-16 Vdc  |
| DIMENSIONS    | 9.5" (24 cm) L x 2.75" (7 cm) W x .5" (1.3 cm) D |
| WARRANTY      | Five-year  |



2012 Chevrolet Caprice, Pair (right side shown)





















#ECPGHKC1B(xx)

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| DIMENSIONS    | 14 (35.6 cm) L x 2.75" (7 cm) W x 1.5" (3.8 cm) D |
| WARRANTY      | Five-year   |

Replace (xx) in the Order Number for Color Selection.

The first (x) is for the left side. The second (x) is for the right side.

Solid Colors: A=  B=  G=  R=  W=   
Dual/Split Colors: A=  B=  D=  E=  F=  G=  H=  J=  K=   
L=  M=  N=  P=  R=  W= 



## Deck/Grille Mounts

### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Feature

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



#### Single

|   |               |
|---|---------------|
| 6 LED, Solid or Split Colors  | #ENFSGS1(x)   |
| 9 LED, Solid Colors   | #ENFSGS2(x)   |
| 9 LED, Solid Color - Amber, High Output                                 | #ENFSGS2A-PC  |
| 9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens and ECE R65 | #ENFSGE2(x)   |
| 12 LED, Solid or Dual Colors  | #ENFSGS3(x)   |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                   | #ENFSGS4(xxx) |



#### Dual Side-by-Side

|   |               |
|---|---------------|
| 6 LED, Solid or Split Colors  | #ENFDGS1(xx)  |
| 9 LED, Solid Colors   | #ENFDGS2(xx)  |
| 9 LED, Solid Color - Amber/Amber, High Output   | #ENFDGS2AA-PC |
| 9 LED, Solid Colors - Amber/Amber, Blue/Amber, Blue/Blue or Red/Red, Xylex Lens and ECE R65 | #ENFDGE2(xx)  |
| 12 LED, Solid or Dual Colors  | #ENFDGS3(xx)  |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                                       | #ENFDGS4(xxx) |

### Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24 single lighthead   |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | Single: 5.0" (12.7 cm) L x 1.88" (4.7 cm) H x 1.82 (4.3 cm) D<br>Dual: 9.50" (24.1 cm) L x 1.88" (4.7 cm) H x 1.82" (4.3 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |



## Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■

Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ J or JJ = ■ ■ Tri-Colors: BRA = ■ ■ ■ BRW = ■ ■ ■

### Single

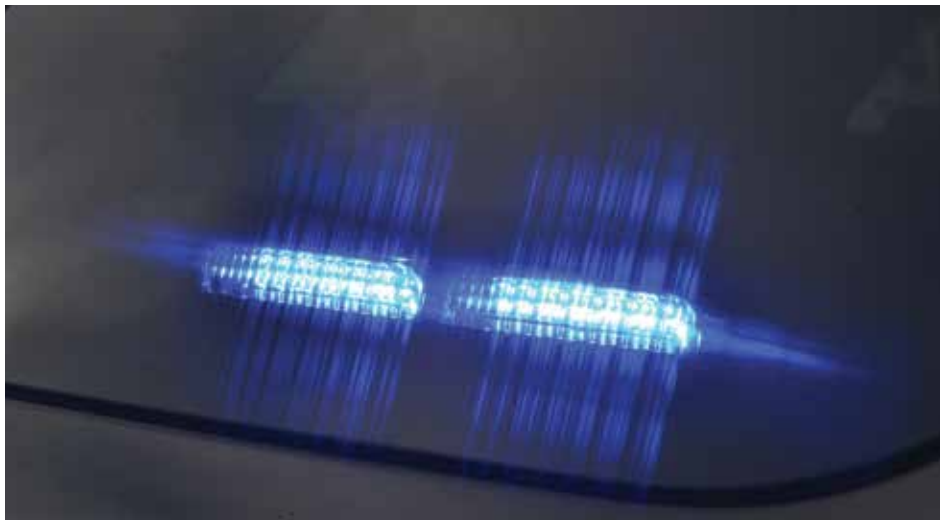
|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (x)   | = | A, B, R or W                                 |
| 6 LED Split Colors | (x)   | = | J  |
| 9 LED Solid Colors | (x)   | = | A, B, R or W                                 |
| 12 LED Dual Colors | (x)   | = | D, E, F or J                                 |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

### Dual Side-by-Side

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (xx)  | = | AA, AW, BA, BB, BW, RA, RB, RR or RW         |
| 6 LED Split Colors | (xx)  | = | JJ   |
| 9 LED Solid Colors | (xx)  | = | A, B, R or W                                 |
| 12 LED Dual Colors | (xx)  | = | JJ   |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

## Module LED Color Patterns

|                   |   |
|-------------------|---|
| 6 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>   |
| 6 LED Split:      | <span style="color: red;">■</span> <span style="color: red;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 9 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>   |
| 12 LED Solid:     | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>   |
| 12 LED Dual:      | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>   |
| 18 LED Tri-Color: | <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> |





## FIT Deck/Grille Mounts



### Features

- > New vehicle design integration
- > Single, Dual and Tri-Color capability
- > Available in a 3 LED solid color, 6 LED solid color, 6 LED dual color and 9 LED tri-color
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

|  |                  |
|--|------------------|
| 3 LED, Solid Colors                                  | #ENFFTSDGS3(x)   |
| 6 LED, Solid or Dual Colors                          | #ENFFTSDGS6(x)   |
| 9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White | #ENFFTSDGS9(xxx) |

Replace (x) or (xxx) in the Order Number for Standard Color Selection

|   |  |
|---|--|
| Solid Colors: A = <span style="color: yellow;">■</span> B = <span style="color: blue;">■</span> R = <span style="color: red;">■</span> W = <span style="color: white;">■</span>   |  |
| Dual Colors: D = <span style="color: red;">■</span> <span style="color: blue;">■</span> E = <span style="color: blue;">■</span> <span style="color: white;">■</span> F = <span style="color: yellow;">■</span> <span style="color: white;">■</span> J or JJ = <span style="color: red;">■</span> <span style="color: blue;">■</span> Tri-Colors: BRA = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> BRW = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: white;">■</span> |  |
| 3 LED Solid Colors (x) =  | A, B, R or W                                 |
| 6 LED Solid or Dual Colors (x) =  | A, B, D, E, F, J, R or W                     |
| 9 LED Tri-Colors (xxx) =  | BRA (blue/red/amber) or BRW (blue/red/white) |

### Module LED Color Patterns

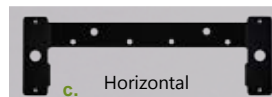
|                   |  |
|-------------------|--|
| 3 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Solid:      | <span style="color: red;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Dual:       | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>   |
| 9 LED Tri-Colors: | <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> |

### ACCESSORIES

## FIT deck/grille brackets

Light not included.

- |   |              |
|---|--------------|
| a. 45 degree angle  | #PNFFTBRK145 |
| b. 90 degree angle  | #PNFFTBRK190 |
| c. Provides horizontal or vertical mounting capability;<br>2 lights, 1 on each side | #PNFFTBRK2LP |



### Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24 single lightheads                                     |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |



## Deck/Grille Mounts



Black Housing, Permanent Mount



White Housing, Single Edge Mount

### Single Multi-Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Black Housing, 10-16 Vdc, ECE 65/EMC Certified

White Housing, 10-16 Vdc, ECE 65/EMC Certified

Black Housing, Xylex Lens (amber blue or red)

White Housing, Xylex Lens (amber blue or red)

Includes three mounting options: Permanent, Single Edge and 3M Adhesive Mount

#EGHST1(x)-12

#EGHST1(x)W-12

#EGHST1(x)

#EGHST1(x)W

#EGHSTE1(x)B

#EGHSTE1(x)W

#EGHSTE1(x)B-EU

#EGHSTE1(x)W-EU

### Single Stop/Tail Multi Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc, Red LEDs

Includes two mounting options: Permanent and 3M Adhesive Mount

#EGHSTTR

#EGHSTTRW

### Single Spot Mount

Black Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

#EGHSTS1W

#EGHSTS1WW

### Dual Multi-Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Includes three mounting options: Permanent, Dual Edge and 3M Adhesive Mount

#EGHDT1(xx)-12

#EGHDT1(xx)W-12

#EGHDT1(xx)

#EGHDT1(xx)W



### Rock Bracket

Warning, 10-16 Vdc

Warning, 10-30 Vdc

Stop/Tail, 10-30 Vdc

Spot, 10-30 Vdc

#EGHST3(x)-12

#EGHST3(x)

#EGHSTT3R

#EGHSTS3W

Replace (x) or (xx) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■

Split Colors: D = ■ ■ E = ■ ■ F = ■ ■ G = ■ ■ H = ■ ■ J = ■ ■ K = ■ ■ L = ■ ■ M = ■ ■ N = ■ ■ P = ■ ■

## Features

- > Sleek, narrow surface mount light, fits almost anywhere
- > Premium optics offer optimal power and brightness
- > Red Stop/Tail model is a low power, steady-on red running light once brake is applied, light flashes 5 times and remains on at full power while brake is activated
- > Includes 18" of 3-wire cable
- > Rock light offers an anti-crush, super duty bracket for the most demanding applications and environments
- > Extreme duty rock bracket offers up to 30 degrees of light head adjustability to angle light



## Deck/Grille Mounts

[continued]

### Single/Dual Multi and Single Stop/Tail Mounting Options



Single Edge



Dual Edge



Permanent



3M Adhesive

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4   |
| LED COUNT             | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | <.75 Amps (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Single/Stop Tail: 5.7" (14 cm) L x 1.06" (2.7 cm) H x 1.8" (4.6 cm) D<br>Dual Stacked: 5.4" (14 cm) L x 2.4" (6.1 cm) H x 1" (2.5 cm) D |
| MOUNTING              | Multi: 4" (10 cm) L x 0.9" (2.3 cm) H x 1.8" (4.6 cm) D<br>Rock: 4.8" (12 cm) L x 2" (5.1 cm) H x 1.6" (4.1 cm) D                       |
| CERTIFICATIONS        | SAE J595, Class 1 certified; CA Title 13: Article 22 compliant; EMC certified, 72/245/EEC and ECE 65, Category X, Class 1 certified     |
| WARRANTY              | Five-year   |



### ACCESSORIES

## single deck/grille bracket

Light not included.

- a. Front Single Deck/Grille Bracket, 2015 Chevy Tahoe **#PGHSTDGSB-TH**  
(includes both passenger and driver sides)







## Deck/Grille Mounts



### Single

Solid Color

#EP2SGS1(x)

Split Color

#EP2SGS2(x)



### Dual Side-by-Side

Solid or Split Colors

#EP2DGS1(x)

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
Split Colors: D = ■ E = ■ F = ■ H = ■ J = ■ K = ■ L = ■ M = ■ N = ■ P = ■



## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4  |
| LED COUNT             | Single: 8 LEDs<br>Dual: 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | Single: 1.1 Amps maximum<br>Dual: 2 Amps maximum (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | Single: 4.3" (11 cm) L x 2.4" (7 cm) H x 1.75" (4.4 cm) D<br>Dual: 8.5" (22 cm) L x 2.4" (7 cm) H x 1.75" (4.4 cm) D |
| MOUNTING              | Surface mount on 2.77" (7.0 cm) centers  |
| CERTIFICATIONS        | SAE J595 Class 1 certified and CA Title 13, Article 22 compliant   |
| WARRANTY              | Five-year  |

## Features

- > Brackets allow 120 degrees of light head adjustment to angle the light
- > Flash pattern recall remembers last flash pattern used
- > Convenient side wire exit for easier installation
- > Includes 18" of 3-wire cable



## Recess Mount



### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

6 LED, Solid or Split Colors

#ENFSRS1(x)

9 LED, Solid Colors

#ENFSRS2(x)

12 LED, Solid or Dual Colors

#ENFSRS3(x)

18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White

#ENFSRS4(xxx)

9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens and ECE R65 #ENFSRE2(x)

#### Replace (x) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■  
 Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ J or JJ = ■ ■ Tri-Colors: BRA = ■ ■ ■ BRW = ■ ■ ■

#### Single

Solid Colors (x) = A, B, R or W  
 6 LED Split Colors (x) = J  
 9 LED Solid Colors (x) = A, B, R or W  
 12 LED Dual Colors (x) = D, E, F or J  
 18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

#### Module LED Color Patterns

6 LED Solid: ■ ■ ■ ■ ■ ■  
 6 LED Split: ■ ■ ■ ■ ■ ■  
 9 LED Solid: ■ ■ ■ ■ ■ ■ ■ ■ ■  
 12 LED Solid: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
 12 LED Dual: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
 18 LED Tri-Color: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

### Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24  |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | 5.25" (13.34 cm) L x 2.25" (5.72 cm) H x 1.50 (3.8 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |



## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > Available in a 3 and 6 LED solid, 6 LED dual and 9 LED tri-colors
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



## FIT Recess Mount



3 LED, Solid Colors

#ENFFTSRFS3(x)

6 LED, Solid or Dual Colors

#ENFFTSRFS6(x)

9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White

#ENFFTSRFS9(xxx)

Replace (x) or (xxx) in the Order Number for Standard Color Selection

|                                   |  |
|-----------------------------------|--|
| Solid Colors: A=  B=  R=  W=      |  |
| Dual Colors: D=  E=  F=  J or JJ= | Tri-Colors: BRA=  BRW=                         |
| 3 LED Solid Colors (x)            | = A, B, R or W                                 |
| 6 LED Solid or Dual Colors (x)    | = A, B, D, E, F, J, R or W                     |
| 9 LED Tri-Colors (xxx)            | = BRA (blue/red/amber) or BRW (blue/red/white) |

### Module LED Color Patterns

|                   |  |
|-------------------|--|
| 3 LED Solid:      |  |
| 6 LED Solid:      |  |
| 6 LED Dual:       |  |
| 9 LED Tri-Colors: |  |

## Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24   |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |





## Recess Mounts



Black Housing



Chrome Housing



White Housing

### Single

Black Housing, 10-16 Vdc

Chrome Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

Chrome Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Black Housing, 10-30 Vdc, ECE R65/EMC Certified

Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified

White Housing, 10-30 Vdc, ECE R65/EMC Certified

Amber, Blue or Red solid colors only.

Black Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

White Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

Amber, Blue or Red solid colors only.

#EGHST5(x)B-12

#EGHST5(x)C-12

#EGHST5(x)W-12

#EGHST5(x)B

#EGHST5(x)C

#EGHST5(x)W

#EGHSTE5(x)B

#EGHSTE5(x)C

#EGHSTE5(x)W

#EGHSTE5(x)B-EU

#EGHSTE5(x)C-EU

#EGHSTE5(x)W-EU

### Single Stop/Tail

Black Housing, 10-30 Vdc

Chrome Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Amber, Blue or Red solid colors only.

#EGHSTT5(x)B

#EGHSTT5(x)C

#EGHSTT5(x)W

### Single Spot

Black Housing, 10-30 Vdc, White LEDs

Chrome Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

#EGHSTS2WB

#EGHSTS2WC

#EGHSTS2WW

Replace (x) in the Order Number for Color Selection

Solid Colors: A= B= G= R= W=

Dual/Split Colors: A= B= D= E= F= G= H= J= K= L= M= N= P= R= W=

## Features

- > Just 0.3 inches (0.8 cm) from the body of the vehicle when installed
- > Housing is made from die cast aluminum
- > Black and white housings are powder coated while chrome housing is a high luster, nickel plated finish
- > Same power and intensity as the original GHOST® Mini Light
- > Light includes rubber gasket and 15 inch wire length for hardwire installation



## Recess Mounts

[continued]

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4 single lightheads   |
| LED COUNT             | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | 0.75 Amps (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 4.7" (11.9 cm) W x 1.6" (4.1 cm) H x 1" (2.5 cm) D  |
| MOUNTING              | Recess mount  |
| CERTIFICATIONS        | SAE J595, Class 1 certified; CA Title 13: Article 22 compliant; EMC certified, 72/245/EEC and ECE 65, Category X, Class 1 certified |
| WARRANTY              | Five-year   |





## Single and Dual Windhsield Lights



### Single, Permanent

Includes shroud, bracket and bare wires

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber, High Output

#ENFSWP1(x)  
#ENFSWP2(x)  
#ENFSWP3(x)  
#ENFSWP4(xxx)  
#ENFSWP2A-PC

### Single, Suction Cup

Includes shroud, bracket and 12 volt cig plug with 11.5 foot cord

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber, High Output

#ENFSWS1(x)  
#ENFSWS2(x)  
#ENFSWS3(x)  
#ENFSWS4(xxx)  
#ENFSWS2A-PC



### Dual Side-by-Side, Permanent

Includes shroud, bracket and bare wires

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber/Amber, High Output

#ENFDWP1(xx)  
#ENFDWP2(xx)  
#ENFDWP3(xx)  
#ENFDWP4(xxx)  
#ENFDWP2AA-PC

### Dual Side-by-Side, Suction Cup

Includes shroud, bracket and 12 volt cig plug with 11.5 foot cord

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber/Amber High Output

#ENFDWS1(xx)  
#ENFDWS2(xx)  
#ENFDWS3(xx)  
#ENFDWS4(xxx)  
#ENFDWS2AA-PC

## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



## Single and Dual Windshield Lights

[continued]

Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A =  B =  R =  W =   
Dual Colors: D =   E =   F =   J or JJ =   Tri-Colors: BRA =    BRW =   

### Single

Solid Colors (x) = A, B, R or W  
6 LED Split Colors (x) = J  
9 LED Solid Colors (x) = A, B, R or W  
12 LED Dual Colors (x) = D, E, F or J  
18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

### Dual Side-by-Side

Solid Colors (xx) = AA, AW, BA, BB, BW, RA, RB, RR or RW  
6 LED Split Colors (xx) = JJ  
9 LED Solid Colors (xx) = A, B, R or W  
12 LED Dual Colors (xx) = JJ  
18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

### Module LED Color Patterns

6 LED Solid:   
6 LED Split:   
9 LED Solid:   
12 LED Solid:   
12 LED Dual:   
18 LED Tri-Color: 

## Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns   |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc  |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc  |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc   |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc   |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc  |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc  |
| LIGHT SYNC              | 24 single lightheads   |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS              | Single: 6.80" (17.27cm) L x 1.43" (3.6 cm) H x 5" (12.7 cm) D<br>Dual Side-by-Side: 11.35" (28.8 cm) L x 1.43" (3.6 cm) H x 5" (12.7 cm) D |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant and EMC certified, 72/245/EEC   |
| WARRANTY                | Five-year  |







## Interior Windshield Lights

### Features

- > Bright LED modules line these versatile warning bars for maximum output and impact
- > Single warning tips available on the 8 module bar
- > 12 module bar available with optional single or dual warning tips in your choice of color



2 Module, Suction Cup Mount **#EL3H02A00+(x)**

(includes shroud and 12 volt cig plug with 14 foot cord and a pair of universal brackets for optional permanent headliner mount)



4 Module, Suction Cup Mount **#EL3H04A00+(x)**

(includes shroud and 12 volt cig plug with 14 foot cord and a pair of universal brackets for optional permanent headliner mount)



8 Module, Permanent Headliner Mount **#EL3Z08A000(x)**



12 Module, Permanent Headliner Mount **#EL3Z12A000(x)**



Permanent headliner mount bars include a pair of universal permanent headliner mount brackets with 14 foot of shielded cable for hard wire installation (shown) and shrouds (1 shroud per 4 module length)

Replace (x) n the Order Number for Color Selection

Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■  
 Dual/Spill Colors: A= ■ B= ■ D= ■ E= ■ F= ■ G= ■ H= ■ J= ■ K= ■ L= ■ M= ■ N= ■ P= ■ R= ■ W= ■

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 2 Module: 33 flash patterns<br>4 Module: 21 flash patterns<br>8 Module: Solid Color - 20 Arrow and 12 Warning<br>Split Color - 19 Warning<br>12 Module: Solid Color - 20 Arrow and 12 Warning<br>Split Color - 19 Warning                                      |
| LIGHT SYNC            | No   |
| LED COUNT             | 2 Module: 6 LEDs<br>4 Module: 12 LEDs<br>8 Module: 24 LEDs<br>12 Module: 36 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc  |
| CURRENT DRAW          | < 1.0 Amp for every 2 modules (flash pattern dependent) @ 12.8 Vdc   |
| OPERATING TEMPERATURE | -40° C to +60° C / -40° F to +140° F   |
| DIMENSIONS            | 2 Module: 7" (18 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>4 Module: 13.25" (34 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>8 Module: 26" (66 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>12 Module: 38.75" (98 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D |
| MOUNTING              | Surface mounts on 2.77" (7.0 cm) centers or Suction Cup mount  |
| CERTIFICATIONS        | SAE J595, Class 1 certified and CA Title 13, Article 22 compliant  |
| WARRANTY              | Five-year  |





## Features

- > LED 'hide away' insert elevates safety lighting with interchangeable lenses that tailor the light output to complement your mounting application
- > 2 additional lenses available for customized light output
- > Retrofits with existing 1" strobe tube cutouts in headlight, taillight or corner lights in all types of commercial vehicles
- > Optional cruise mode reduces light output to 20% brightness
- > Use with optional bezels to surface mount to any flat area on the vehicle body for additional lighting anywhere

## LED Inserts



### Screw-In LED Inserts

10' Cable Length, 10-16 Vdc

#ELUC2SØ1Ø(x)

10' Cable Length, 10-30 Vdc

#ELUC2HØ1Ø(x)

Includes extreme angle lens, inline flasher and cable for hardwire installation

10' Cable Length with Quick Connect

#ELUCCSØ1Ø(x)

25' Cable Length

#ELUC2SØ25(x)

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
Dual/Spill Colors: D = ■ E = ■ F = ■ H = ■ J = ■ K = ■ L = ■ M = ■ N = ■ P = ■

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4  |
| LED COUNT             | 6 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | < 1.0 Amp (flash pattern dependent) @ 12.8 Vdc   |
| OPERATING TEMPERATURE | -40° C to +65° C   |
| DIMENSIONS            | Insert: 1.5" (3.8 cm) Diameter x 0.9" (2.3 cm) H<br>Bezel: 2.2" (5.6 cm) L x 1.65" (4.2 cm) H x 0.63" (1.6 cm) D   |
| MOUNTING              | Headlight/Taillight mount into 1" Diameter cutouts<br>Screw-In Surface mount with optional bezel<br>Bezel mounts on 1.89" (4.8 cm) centers<br>Twist-In or Push-In options are also available |
| CERTIFICATIONS        | EMC, ECE R10 (10-16 Vdc only)  |
| WARRANTY              | Five-year  |





## LED Inserts

[continued]



ACCESSORIES Light not included.

### bezels

- a. White
- b. Black
- c. Chrome

Includes mounting gasket and hardware

#PLUC2HSW  
#PLUC2HSB  
#PLUC2HSC



### additional lens

- a. Extreme Angle
- b. Horizontal
- c. Vertical

#PLUC2LN1E  
#PLUC2LN1H  
#PLUC2LN1V



### kits

Push-In  
Twist-In

#PLUCPGR1  
#PLUCTCL1



# UNDER COVER STROBE INSERTS

## Strobe Inserts



Push-in, Black Base, Clear Tube - White  
Twist-in, Black Base, Clear Tube - White

#ETUPØC-P  
#ETUCØC-P

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Power supply dependent (refer to Strobe Power Supply) |
| INPUT VOLTAGE         | 35 Watts  |
| CURRENT DRAW          | Power supply dependent                                |
| OPERATING TEMPERATURE | -20° C to +65° C / -28° F to +149° F                  |
| DIMENSIONS            | 1.7" (4.3 cm) H x 1.6" (4.1 cm) Flange Diameter       |
| WARRANTY              | One-year  |

### Features

- > Traditional strobe head inserts powered by a 35 watt dual Helix strobe tube
- > Screw-in style has a flange base that is attached to the vehicle by using supplied screws
- > Push-in style has a grommet base and is installed by simply pushing the base through a pre-drilled hole
- > Inserts include 5.5" wire length with attached connector and mounting screws for installation

## Strobe Power Supply



Galileo

#ETG69Ø-P

### Technical Specifications

|                |  |
|----------------|--|
| FLASH PATTERNS | 7 flash patterns:<br>Quad, Double, Quint, Warp, Inter-cycle, Triple and Single |
| TECHNOLOGY     | 6 Outputs, 90 Watts  |
| INPUT VOLTAGE  | 10-30 Vdc  |
| CURRENT DRAW   | 9 Amp draw @ 12 Volts  |
| WARRANTY       | Two-year   |

### Features

- > Single pattern select wire for easier pattern selection and low power mode with lower amp draw
- > Features high/low intensity control, selective switching, RF/RFM filtration and reverse polarity protection



bluePRINT allows you, **the officer,**  
to do what you do... now in a safer and  
more efficient working environment.



A Smartly Designed  
Control System that  
Automates Emergency  
Lighting and Siren  
Performance Functions

bluePRINT

CENTRAL CONTROLLER

CONTROL PANEL

HANDHELD CONTROL

INPUT NODE

REMOTE NODE

SIRENS

## Features

### Improve Officer Safety and Efficiency

> Officers are constantly occupied with technology and other distractions that require a shift in concentration and a refocus of the eyes and hands. bluePRINT allows officers to stay focused on the task at hand while keeping their eyes on the road and hands on the wheel. Light and siren configurations are preprogrammed and prioritized to respond to emergency situations without the officer having to hastily determine which buttons and switches to activate while driving.

### Eliminate Point-to-Point Wiring

> The Central Controller, the Remote Nodes, the Input Node, and the 200R Sirens all share a single wire bus that can run the length of the vehicle. This eliminates the need for point-to-point wiring between lighting and siren components.

### Improve System Reliability and Convenience

> Current switching within the Central Controller and Remote Nodes uses Solid State Transistors to eliminate mechanical switching. Solid State switching offers the advantage of no moving parts, no arc bridging, and self-diagnostic capabilities.

# bluePRINT®



Central Controller



Control Panel

nERGY™



Handheld Control



Input Node



Remote Node

## Technical Specifications

|                         |   |
|-------------------------|---|
| INPUT VOLTAGE           | 10-16 Vdc (negative ground)   |
| OPERATING TEMPERATURE   | -40° C to +65° C (remote node up to 85°C)   |
| TOTAL SYSTEM INPUTS     | Up to 40 Total Inputs: <ul style="list-style-type: none"><li>■ Central Controller Ignition Input</li><li>■ Remote Nodes: 4 each (up to 5 remote nodes can be used throughout vehicle)</li><li>■ Input Node: 20</li></ul>  |
| TOTAL SYSTEM OUTPUTS    | Up to 86 Total Outputs: <ul style="list-style-type: none"><li>■ Central Controller: up to 4 fixed and 20 programmable outputs</li><li>■ Remote Nodes: 10 each (up to 5 remote nodes can be used throughout vehicle)</li><li>■ 400 Series Siren: 12 non-flashing relay outputs and 3, 20 Amp outputs</li></ul>   |
| TOTAL SWITCHING CURRENT | Up to 450 Amps Total: <ul style="list-style-type: none"><li>■ Central Controller: 100 Amps total</li><li>■ Remote Node: 50 Amps each (up to 5 nodes)</li><li>■ 400 Series Siren: 100 Amps total</li></ul>   |
| SOFTWARE REQUIREMENTS   | PC or Tablet: (used only for initial programming and diagnostics) <ul style="list-style-type: none"><li>■ Windows Vista® SP1 or later</li><li>■ Pentium 1GHz or higher</li><li>■ Minimum 512 MB of RAM</li><li>■ Minimum disk space of 1 GB</li><li>■ NET 4.5 Library (will be prompted to download if not already installed, additional 2 GB needed)</li><li>■ USB 1.1 or higher, cable with Type B plug</li></ul> |



100 Watt Siren



100 or 200 Watt Dual-Tone  
Remote Siren

Reduces Distractions

Improves Intersection Safety

Brings Greater Visibility and  
Awareness to Your Vehicle

Attention Grabbing  
Performance

Improves Visibility After Dark

Diminishes Nighttime  
Vulnerability





# Sirens and Speakers





# Sirens and Speakers

SIRENS

SPEAKERS



## Features

- > Unlike other competitors, nERGY offers two console versions. One version has a five position rotary switch and the other features a four push button switch.
- > 200 watt sirens feature dual-tone capability to deliver two siren tones at once to provide officers with extreme "traffic moving" capability
- > Designed with extra large buttons with appropriate spacing to eliminate buttons to be accidentally pressed
- > Horn ring scroll provides ability to quickly change tones with the tap of the horn
- > Provides up to eight 10 amps and three 20 amp outputs with internal fuses for powering solenoids (i.e. gunlock) or supplying power and signaling to other onboard peripherals (printer, radar, GPS, etc.)
- > Built-in protection against over/under voltage, short circuit and reverse polarity

## 400 Series Knob and Button Console Sirens



### Knob

100 Watts

200 Watts

#ETSA481CSR

#ETSA482CSR



### Button

100 Watts

200 Watts

#ETSA481CSP

#ETSA482CSP

Note: 2 speakers required with the 200 watt version

## Technical Specifications

|                |   |
|----------------|---|
| WATTS          | 100 and 200 Watts (2 speakers required with the 200 watt version)   |
| INPUT VOLTAGE  | 10-16 Vdc   |
| DIMENSIONS     |   |
| Console        | Faceplate: 3.17" (8.5 cm) H x 7.54" (19.15 cm) W<br>Amp: 2.64" (6.73 cm) H x 7.02" (17.84 cm) W<br>Cut-out: 2.72" (6.91 cm) H x 7.10" (18.034 cm) W |
| CERTIFICATIONS | Meets or exceeds SAE J1849 and CA Title 13 sound levels when used with SoundOff Signal® speakers  |
| WARRANTY       | Three-year  |



## 400 Series Handheld and Remote Sirens



### Handheld

100 Watts

#ETSA461HPP

200 Watts

#ETSA462HPP

100 Watts, 13 Feet Coil Cable Length

#ETSA461HPP-EXT

200 Watts, 13 Feet Coil Cable Length

#ETSA462HPP-EXT



### Remote

100 Watts

#ETSA481RSP

200 Watts

#ETSA482RSP

Note: 2 speakers required with the 200 watt version

### Technical Specifications

|                |  |
|----------------|--|
| WATTS          | 100 and 200 Watts (2 speakers required with the 200 watt version)                                |
| INPUT VOLTAGE  | 10-16 Vdc  |
| DIMENSIONS     |  |
| Handheld       | Panel: 3.51" (8.92 cm) H x 6.98" (17.73 cm) W x 1.17" (2.98 cm) D                                |
| Remote         | Amplifier/Relay: 2.62" (6.66 cm) H x 7" (17.80 cm) W x 6.51" (16.54 cm) D                        |
| CERTIFICATIONS | Meets or exceeds SAE J1849 and CA Title 13 sound levels when used with SoundOff Signal® speakers |
| WARRANTY       | Three-year   |

## Features

### Handheld

- > Provides unique advantages unlike any product on the market today: LED, Alley and Arrow handheld switch indicators for convenient viewing and extensive programmability.

### Remote

- > Officers value the sound intensity of the dual-tone feature "fooling" perpetrators into believing multiple police vehicles are in pursuit.

### Handheld and Remote

- > 200 watt sirens feature dual-tone capability to deliver two siren tones at once to provide officers with extreme "traffic moving" capability
- > Designed with extra large buttons with appropriate spacing to eliminate buttons to be accidentally pressed
- > Horn ring scroll provides ability to quickly change tones with the tap of the horn
- > Provides up to eight 10 amps and three 20 amp outputs with internal fuses for powering solenoids (i.e. gunlock) or supplying power and signaling to other onboard peripherals (printer, radar, GPS, etc.)
- > Built-in protection against over/under voltage, short circuit and reverse polarity

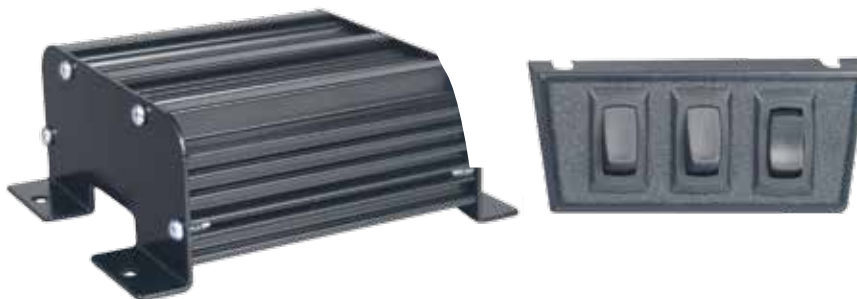


## Features

- > Compact siren has a small size and remote amplifier for tight spaces for undercover vehicles or motorcycles
- > Class D Technology with high speed digital switching provides higher efficiency, less current draw and better reliability
- > Operates a single 100 watt speaker or dual 58 watt speakers
- > 5 popular warning tones (up to 3 tones can be activated): wail, yelp, piercer, hi-lo and super hi-lo, plus 4 additional air horn tones available
- > Horn Ring (hands free operation) controls the tones and can be programmed to rebroadcast warning or air horn tones. When driver presses the vehicle's horn it will activate or de-activate the siren in programmed tone
- > Volume programming capability on public address (PA) and radio rebroadcast sets the volume at a desired level during installation so when the driver selects either option, volume is automatically set
- > Park/kill feature disables the siren when the vehicle is placed in park
- > Built-in protection against over/under voltage, over temperature, short circuit and reverse polarity
- > Hermetically sealed, providing protection in wet areas
- > Includes switch panel with one on/off and two off/momentary switches

# 200Series

## Compact Siren



100 Watt Compact Siren

Molex Connector and Mating Harness

Delphi Connector and Mating Harness

#ETSA200R

#ETSA200RA

#ETSA200RW

## Technical Specifications

|                |  |
|----------------|--|
| WATTS          | 100 Watts  |
| INPUT VOLTAGE  | 10-30 Vdc  |
| DIMENSIONS     | 5.4" (13.7 cm) L x 2.3" (5.8 cm) H x 4.6" (11.6 cm) D  |
| CERTIFICATIONS | Meets or exceeds SAE J1849 and CA Title 13 sound levels when used with SoundOff Signal® speakers |
| WARRANTY       | Two-year   |



# 200Series

## Compact Siren with PA Function, Remote Amplifier and Remote Switch Panel



Single 100 Watt or Dual 58 Watt Speaker(s) (does not include connector) **#ETSA200R-PA**

Molex (not weatherproof) Connector and Mating Harness **#ETSA200RA-PA**

Delphi (weatherproof) Connector and Mating Harness **#ETSA200RW-PA**

### Features

- > Compact siren has a small, remote amplifier to fit tight spaces for undercover vehicles or motorcycles
- > Class D Technology with high speed digital switching provides higher efficiency, less current draw and better reliability
- > Operates a single 100 watt speaker or dual 58 watt speakers
- > 5 popular warning tones (up to 3 tones can be activated): wail, yelp, piercer, hi-lo and super hi-lo, plus 4 additional air horn tones available
- > The microphone includes a pre-amp, 15' of power and signal cable, adjustable gain and a three-pin removable connector
- > Horn Ring (hands free operation) controls the tones and can be programmed to broadcast warning or air horn tones. When driver presses the vehicle's horn it will activate or de-activate the siren in programmed tone
- > Volume can be set for the public address (PA) and radio rebroadcast within the 200R amplifier; this feature can be pre-set to a desired level during installation
- > The Pre-Amp features an additional gain adjustment
- > Park/kill feature disables the siren when the vehicle is placed in park

### Technical Specifications

|                |  |
|----------------|--|
| WATTS          | 100 Watts  |
| INPUT VOLTAGE  | 10-30 Vdc  |
| DIMENSIONS     | 5.4" (13.7 cm) L x 2.3" (5.8 cm) H x 4.6" (11.6 cm) D  |
| CERTIFICATIONS | Meets or exceeds SAE J1849 and CA Title 13 sound levels when used with SoundOff Signal® speakers |
| WARRANTY       | Two-year   |

# 100C Series

## Professional Speaker

### Features

- > Designed with clear, powerful output using Neodymium magnet
- > Weatherproof and corrosion resistant cast aluminum housing
- > Perfect for public address and other high intelligibility communication and signaling applications
- > Includes universal bail bracket



**#ETSS100C**

### Vehicle Specific Brackets

Speaker not included.

|  |           |                          |
|--|-----------|--------------------------|
| Chevrolet Caprice, Driver Side               | 2011      | <b>#ETSS100BKC-P-D</b>   |
| Chevrolet Caprice, Passenger Side            | 2011      | <b>#ETSS100BKC-P-P</b>   |
| Chevrolet Impala                             | 2006+     | <b>#ETSS100BKPALA</b>    |
| Chevrolet Tahoe, Driver Side                 | 2015+     | <b>#ETSS100CBKTH15-D</b> |
| Chevrolet Tahoe, Passenger Side              | 2015+     | <b>#ETSS100CBKTH15-P</b> |
| Chevrolet Tahoe                              | 2006-2014 | <b>#ETSS100CBKTH</b>     |
| Dodge Charger                                | 2011+     | <b>#ETSS100CBKDC11</b>   |
| Ford PI Sedan Bumper Mount (no drill)        | 2013+     | <b>#ETSS100CBKFS-BP</b>  |
| Ford PI Utility Bumper Mount (no drill)      | 2016+     | <b>#ETSS100CBKFV-BP</b>  |
| Ford PI Utility Frame Mount, Driver Side     | 2013+     | <b>#ETSS100BKFV-FR</b>   |
| Ford PI Utility, Frame Mount, Passenger Side | 2013-2015 | <b>#ETSS100BKFV-FS</b>   |

### Technical Specifications

|                   |   |
|-------------------|---|
| <b>WATTS</b>      | 100 Watts   |
| <b>DIMENSIONS</b> | 6.625" (16.925 cm) H x 6.75" (13.335 cm) W x 2.3125" (7.6 cm) D |
| <b>WARRANTY</b>   | Three-year  |

# 100L Series

## Professional Speaker



#ETSS100L

### Vehicle Specific Brackets

Speaker not included.

|  |           |                  |
|--|-----------|------------------|
| Ford PI Sedan Frame Mount                    | 2013+     | #ETSS100BKFD-FR  |
| Ford PI Utility Bumper Mount (no drill)      | 2016+     | #ETSS100CBKFV-BP |
| Ford PI Utility Frame Mount, Driver Side     | 2013+     | #ETSS100BKFV-FR  |
| Ford PI Utility, Frame Mount, Passenger Side | 2013-2015 | #ETSS100BKFV-FS  |

### Features

- > Designed with clear, powerful output using Neodymium magnet
- > Compact design with powerful 100 watt output
- > Dynamic sound for high intelligibility communication and signaling applications
- > Slim, narrow design is easier to install in tight spaces in a variety of emergency vehicles
- > Aluminum housing with black powder coat finish
- > Tough and durable with high resistance to vibration and heat
- > Includes universal bail bracket

### Technical Specifications

|            |  |
|------------|--|
| WATTS      | 100 Watts  |
| DIMENSIONS | 5.2" (13.21 cm) H x 6.4" (16.26 cm) W x 3" (7.62 cm) D |
| WARRANTY   | Three-year   |

# 100N Series

## Professional Composite Speaker

### Features

- > Weather tested, glass reinforced nylon material will not corrode like a traditional aluminum speaker
- > Composite housing creates electrical isolation from vehicle chassis to extend product life
- > Improved design for passive water and moisture egress
- > Designed for clear, powerful output using neodymium magnet
- > Compact design with powerful 100 watt output
- > Includes universal bail bracket



#ETSS100N

### Vehicle Specific Brackets

Speaker not included.

|   |           |                  |
|---|-----------|------------------|
| Chevrolet Caprice, Driver Side            | 2011+     | #ETSS100BKCP-D   |
| Chevrolet Caprice, Passenger Side         | 2011+     | #ETSS100BKCP-P   |
| Chevrolet Impala                          | 2006+     | #ETSS100DBKPALA  |
| Chevrolet Tahoe                           | 2006-2014 | #ETSS100DBKCT    |
| Dodge Charger                             | 2011      | #ETSS100CBKDC11  |
| Ford PI Sedan Frame Mount, Passenger Side | 2013-2015 | #ETSS100BKFV-FS  |
| Ford PI Sedan Bumper Mount (no drill)     | 2013+     | #ETSS100CBKFS-BP |
| Ford PI Utility Bumper Mount (no drill)   | 2013+     | #ETSS100CBKFV-BP |
| Ford PI Utility Frame Mount, Driver Side  | 2016+     | #ETSS100BKFV-FR  |

### Technical Specifications

|                |  |
|----------------|--|
| WATTS          | 100 Watts  |
| DIMENSIONS     | 6.25" (15.88 cm) H x 6.25" (15.88 cm) W x 2.67" (6.78cm) D                             |
| CERTIFICATIONS | SAE J1849 certification requirements when used with SoundOff Signal® 400 Series sirens |
| WARRANTY       | Three-year   |

# 420 Series

## Continuous Duty Speaker



### Vehicle Specific Bracket Included

#### Vehicle Specific Brackets

|                                |           |            |
|--------------------------------|-----------|------------|
| Chevrolet Impala               | 2006+     | #ETSS4221B |
| Chevrolet Impala               | 2005+     | #ETSS4202B |
| Chevrolet Tahoe and GMC Yukon  | 2002+     | #ETSS4208B |
| Dodge Charger                  | 2006+     | #ETSS4220B |
| Ford Excursion and F-250       | 2001+     | #ETSS4219B |
| Ford Expedition                | 2000-2002 | #ETSS4207B |
| Universal "L" Bracket (short)  |           | #ETSS4206B |
| Universal "L" Bracket (long)   |           | #ETSS4201B |
| Universal Bail Bracket (shown) |           | #ETSS4209B |

#### Technical Specifications

|                |  |
|----------------|--|
| WATTS          | 100 Watts  |
| DIMENSIONS     | 5.25" (13.335 cm) H x 6.375" (16.1925 cm) W x 3" (7.6 cm) D                            |
| CERTIFICATIONS | SAE J1849 certification requirements when used with SoundOff Signal® 400 Series sirens |
| WARRANTY       | Three-year   |

#### Features

- > Designed with clear, powerful output using Neodymium magnet
- > Made with the most reliable and cost efficient 100 watt compression driver on the market
- > Finished in black powder coat baked on epoxy
- > Compression driver is the lightest (56% less) and lowest profile (31% less) of the conventional alnico based compression drivers
- > Perfect choice for tight fitting locations where space or weight is a premium consideration
- > The 11 ohm, 2.75" high temperature voice coil is oven baked at a high temperature and sealed with a special coating to withstand extreme temperatures and environmental conditions. Voice coil is further protected with a special magnetic cooling liquid that fills the voice gap and provides a thermal path. Produces 10 - 15% more magnetic flux density in the voice coil gap



# Electronics





# Electronics

SWITCHES

HEADLIGHT FLASHERS

TAILLIGHT FLASHER

LED LIGHT FLASHER

PREEMPTION  
LED MODULE

LED STROBE  
PULSE MODULE

IGNITION SECURITY  
SYSTEMS

# Intelliswitch

## 993 and 990 Professional Use Digital Switches

### Features

#### 993 Digital Switch with Power Pursuit Buttons

- > Offers 11 programmable buttons: 9 total Ryno-Tuf push buttons, 3 power pursuit with 2 hidden "discreet" membrane buttons located behind the SoundOff Signal® logo
- > Configure the power pursuit buttons to operate any combination of the 6 remaining push buttons automatically, eliminating hours of tedious wiring
- > 2 hidden membrane switches can be programmed for discreet functions of your choice such as timed gun lock

#### 990 60 Amp Digital Switch

- > Offers 6 Ryno-Tuf durable push buttons that are fully programmable with 60 amps maximum output with 1 push button that can be set as an 8 second timed momentary if needed

#### 993 Digital Switch with Power Pursuit Buttons and 990 60 Amp Digital Switch

- > Models offer high speed action, low current draw and increased reliability with efficient digital technology
- > Switches can be console mounted if desired
- > Compact, slim design with self performing diagnostics at power-up to ensure optimum performance



993 Digital Switch with Power Pursuit Buttons

#ETSP993



990 Digital Switch

#ETSP990



Both models feature Ryno-Tuf push buttons, 60 title legend sheets and optional bracket with mounting hardware.

### Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 12 Vdc   |
| CURRENT DRAW  | Intelliswitch993: 12 Amps maximum<br>Intelliswitch990: 60 Amps maximum |
| DIMENSIONS    | 6.5" (16.5 cm) L x 2.5" (6.4 cm) H x 2" (5.1 cm) D                     |
| MOUNTING      | 2-piece swivel style bracket included or can be console mounted        |
| WARRANTY      | Five-year  |

# 900 and 600 Series Switches



900 Series Function Switch **#ETSP9F**



600 Series 6 Function Switch **#ETSP6F**

## Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 12 Vdc   |
| CURRENT DRAW  | 900 Series: 60 Amps max<br>600 Series: 40 Amps max |
| DIMENSIONS    | 6.2" (16 cm) W x 2.2" (5.6 cm) H x 5.2" (13 cm) D  |
| WARRANTY      | One-year   |

# Directional Arrow Switch



Directional Arrow Switch **#ETSWDAS01**

## Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-30 Vdc  |
| CURRENT DRAW  | .8 Amps  |
| DIMENSIONS    | 6.5" (17 cm) W x 3.5" (8.9 cm) H x 1.2" (3 cm) D |
| WARRANTY      | One-year   |

## Features

### 900 Series Function Switch

- > 9 functions: 3-position slide switch with 6 mini rocker switches. Offers slide switch features 20 amps/output with LED indicator on lights

### 600 Series 6 Function Switch

- > 6 mini rocker switches with red LED indicator ON lights. Has a single 40 amp relay/circuit breaker with 5-20 amp fused switch output

### 900 Series Function Switch and 600 Series 6 Function Switch

- > Includes switch box with universal bracket, mounting hardware, switch labels and 18" pigtail with insulated quick connects for termination

## Features

- > 7 programmable warning modes with a fully illuminated display to show pattern activated and input selected
- > Control multiple directional arrow
- > Built-in Smart Sensor detects inputs from another switching source so it may be used with other manufacturers directional arrow products
- > For use with LED lights only



# Headlight Flashers

## Flash Pattern Overview

|              |  |
|--------------|--|
| Q-Switch     | Cycles through 3 flash patterns:<br>1. Double flash alternating<br>2. Fast simultaneous<br>3. Pulse and fast alternating at 1.9 to 3.0 f.p.s., pattern repeats every 5.4 seconds |
| Cycle Flash  | Multi-pattern cycles through three double alternating and 2-simultaneous patterns  |
| Double Flash | Fast double flash alternating at 3.0 f.p.s.  |
| ETM          | Fast simultaneous flash at 3.6 f.p.s.  |
| Flashback®   | Alternates lower brake lights against reverse lights @ 2.6 f.p.s.  |
| PowerPulse   | Fast alternating pattern at 3.0 f.p.s.   |
| RoadRunner   | Slow alternating pattern at 1.9 f.p.s.   |
| Single Flash | Slow alternating flash pattern at 55 f.p.m.  |

## Features

- > Easy installation with plug-in connectors for police package models
- > Single flash pattern, PowerPulse
- > Mounting bracket designed for easier installation in tight spaces
- > Features high beam override to disengage flasher for normal high beam function
- > Built-in shutdown protection against loss of ground and under voltage
- > Durable and non-corrosive ABS plastic housing
- > 100% Solid State, potted design for long-lasting, reliable performance
- > 18" (46 cm) wire for power, ground and control

### Chevrolet Caprice Headlight Flasher: Plug-in



2011+

#ETHFSS-CP



### Chevrolet Tahoe Headlight Flasher: Plug-in, Solid State



2007+ **#ETHTAH0-07+**

### Features

- > Easy installation with plug-in connectors for police package models
- > Single flash pattern, PowerPulse
- > Features high beam override
- > Built-in shutdown protection against loss of ground, short circuit, under voltage, brown out and transient protection
- > Durable and non-corrosive ABS plastic housing
- > 100% solid state, potted design for long-lasting, reliable performance

### Chevrolet Impala Headlight Flasher: Plug-in, Solid State



2006+ **#ETHIMP0-06+**

### Features

- > Easy installation with plug-in connectors for police package models
- > Single flash pattern, PowerPulse
- > Mounting bracket designed for easier installation in tight spaces
- > Features high beam override to disengage flasher for normal high beam function
- > Built-in shutdown protection against loss of ground and under voltage
- > Durable and non-corrosive ABS plastic housing
- > 100% Solid State, potted design for long-lasting, reliable performance
- > 8" (20 cm) wires

# SELECT-A-PATTERN TECHNOLOGY

## Solid State Headlight Flashers



18" Wire Leads

AMP Connector

Heavy Duty Model (14 amp)

Amp Connector and Harness (14 amp)

DRL Compatible Model (12 vdc)

Isolation Model (12 vdc)

**#ETHFSS-SP**

**#ETHFSS-SPA**

**#ETHDSS-SP**

**#ETHFSS-SPFL**

**#ETHFSS-SP-CMP**

**#ETHFSS-SP-ISO**

### Technical Specifications

|                      |  |
|----------------------|--|
| <b>WATTS</b>         | 2-110 Watt outputs<br>2-150 Watt outputs: Heavy duty model (14 Amp) #ETHDSS-SP |
| <b>INPUT VOLTAGE</b> | 8-30 Vdc   |
| <b>DIMENSIONS</b>    | 4.7" (12 cm) L x 2" (5.1 cm) H x 0.7" (1.8 cm) D                               |
| <b>MOUNTING</b>      | 4" (10 cm) centers, 18" (46 cm) wires  |
| <b>WARRANTY</b>      | Five-year  |

## Features

- > Ideal for most "big 3" car models - designed for 2 to 4 headlight positive side switched headlight systems
- > Great for motorcycles with positive side switched headlight systems
- > Select-a-Pattern Technology with 7 user selectable flash patterns: PowerPulse, RoadRunner, ETM, Cycle Flash, Q-Switch, Single Flash or Double Flash Alternating
- > Durable and non-corrosive ABS plastic housing
- > 100% solid state output, potted design for long-lasting, reliable performance
- > Positive switching

## Features

- > 12 wire module with isolating diodes for the brake and reverse wire that are required for many new vehicles
- > For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- > Provides an additional output for deck lights
- > Alternating red and white light creates an effective rear warning signal to greatly reduce rear end collisions
- > 100% solid state, potted design for long-lasting, reliable performance
- > 18" (46 cm) wires
- > Flashback® flash pattern

## Taillight Flasher



Solid State, Flashback® Alternating

Solid State, Flashback® Alternating with Fleet Harness

**#ETFBSSN-P**

**#ETFBSANFL**

### Technical Specifications

|                      |  |
|----------------------|--|
| <b>INPUT VOLTAGE</b> | 10-16 Vdc  |
| <b>DIMENSIONS</b>    | 4.7" (12 cm) L x 2" (5.1 cm) H x 0.7" (1.8 cm) D |
| <b>MOUNTING</b>      | 4" (10 cm) centers, 18" (46 cm) wires            |
| <b>WARRANTY</b>      | Five-year  |

# LED Light Flasher

## Flasher Pattern Overview

Fast simultaneous flash pattern @ 3.6 f.p.s.

Cycles continuously through 2 - Quint patterns and 4 - WarpFlash patterns

Alternating (wig wag) flash pattern @ 3.0 f.p.s.

Four consecutive flashes @ 235 f.p.m.

Five consecutive flashes @ 140 f.p.m.

Cycles through 3 flash patterns: double flash alternating, fast simultaneous pulse and fast alternating @ 1.9 to 3.0 f.p.s. - pattern repeats every 5.4 seconds

Alternating (wig wag) flash pattern @ 700 f.p.m.

ETM

Inter-Cycle

PowerPulse

Quad

Quint

Q-Switch

WarpFlash

## LED Light Flasher



2 Output with 8 Flash Patterns

#ETFFC02LED

### Features

- > Synchronizes all LED warning lights - overrides all SoundOff Signal® LED warning lights to take over pattern control
- > 2 LED flashers offer 8 user selectable flash patterns: Double, PowerPulse, Quint, ETM, Q-Switch, WarpFlash, Inter-Cycle and Quad
- > For use with LED lights only

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 3 Amps max per output                               |
| DIMENSIONS    | 3.2" (8.1 cm) L x 0.8" (2.0 cm) W x 0.8" (2.0 cm) D |
| MOUNTING      | On 2.8" (7.1 cm) centers, 12" (31 cm) wires         |
| WARRANTY      | Five-year   |

## Features

- > Provides emergency vehicle preemption to all intersections equipped with Opticom Infrared systems. Module generates a series of pulses in the infrared wavelength to allow preemption for emergency vehicles
- > High efficiency LEDs require up to 90% less electrical power than conventional emitters, conserving power for other onboard emergency equipment. LED technology provides a higher level of consistent performance over the life of the emitter
- > Built-in power supply simplifies installation
- > Coded signal transmissions allow traffic officials to manage, track and control usage of the Opticom system and to block unauthorized vehicles from using it
- > Visible indicator lights provide operational status and advanced diagnostic information

## Features

- > Converts non self-contained LED warning lights into a "Strobe Pulse" flash effect
- > Flashes any 12 volt LED light up to 3 amps
- > For use with LED lights only

# Opticom™ Preemption LED Module

Opticom™ is a registered trademark of Global Traffic Technologies, LLC.



Infrared High Priority

#EGTTE794H

## Technical Specifications

|                       |  |
|-----------------------|--|
| LIGHT SYNC            | Yes  |
| INPUT VOLTAGE         | 10-32 Vdc  |
| CURRENT DRAW          | < 1 Amp  |
| OPERATING TEMPERATURE | -30° F to -165° F / -34° C to +74° C                   |
| DIMENSIONS            | 4.5" (11.5 cm) W x 3.16" (8.0 cm) H x 2.23" (5.7 cm) D |
| CERTIFICATIONS        | SAE J575 and J455 certified                            |
| WARRANTY              | Five-year  |

# LED Strobe Pulse Module



LED Strobe Pulse Module

#ETLEDFC1

## Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc                                       |
| DIMENSIONS    | 3" (7.6 cm) W x 1" (2.5 cm) H x 1.5" (3.8 cm) D |
| MOUNTING      | On 2.5" (6.4 cm) centers, 16" (41 cm) wires     |
| WARRANTY      | One-year  |

# Ignition Security Systems

## Heavy Duty Model



Heavy Duty Model **#ETISSO-06+**

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 8 outputs, 130 Amps total   |
| DIMENSIONS    | 6" (15 cm) L x 3.5" (8.9 cm) H x 1.5" (3.8 cm) D  |
| MOUNTING      | Behind the dash and within the wire length of the steering column, on 5.6" (14 cm) centers, 16" (41 cm) wires |
| WARRANTY      | One-year  |

### Features

- > Designed to be compatible with many different types of vehicles
- > For older heavy duty vehicles that require higher current draw through the ignition switch
- > Allows the vehicle to stay running when the key is removed from the ignition switch
- > Brake pedal and shift lever movement disables the ignition security system and stops the engine (sounds horn if connected)
- > Over-ride simply deactivates by turning the key to the run position and depressing brake
- > Additional relay output provides normally open or normally closed contact for starter disable, gun lock disable, camera record, etc.
- > Optional horn or siren alarm

## Standard Model



Standard Model **#ETISSO-07+**

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 4-10 Amp output   |
| DIMENSIONS    | 6" (15 cm) L x 3.4" (8.6 cm) H x 0.8" (2.0 cm) D  |
| MOUNTING      | Behind the dash and within the wire length of the steering column, on 5.6" (14 cm) centers, 24" (61 cm) wires |
| WARRANTY      | One-year  |

### Features

- > Easy to install and designed to be compatible with different vehicles
- > Quick installation by use of quick connect "T-tap" connectors
- > Connectors allow for quick replacement/removal of the ignition security system
- > Allows the vehicle to stay running when the key is removed from the ignition switch
- > Brake pedal and shift lever movement disables the ignition security system and stops the engine (sounds horn if connected)
- > Over-ride simply deactivates by turning the key to the run position and depressing brake
- > Automatic low voltage detection will activate the horn to provide notification of vehicle problems
- > Additional universal output provides normally open or normally closed contact for starter disable, gun lock disable, camera record, etc.



# Interior Lighting



# Interior Lighting

DOME LED

STRIP LED



Features

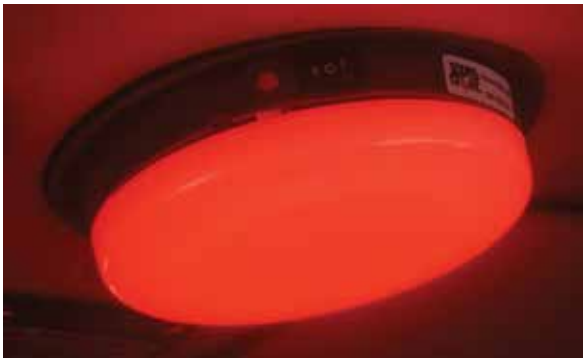
- > Dome light has a red LED night light to reduce officer targeting
- > Officer can see clearly inside and outside the vehicle when the red LED night light is turned on
- > Available for police package vehicles with plug-in connector for quick and easy installation
- > LED dome lights offer a low amp draw, superior efficiency and hours of long-lasting reliability
- > A great light for drivers working night shifts - red LED night light is gentle on the eyes reducing eye fatigue

# Dome LED Interior Lights

## Dome Light with Red LED Night Light



|   |           |               |
|---|-----------|---------------|
| Dodge Charger, Ford PI Sedan and Ford Utility | 10-30 Vdc | #ECVDMLTALDC  |
| Fresno Clear Lens                             | 10-30 Vdc | #ECVDMLT2AL00 |
| Universal                                     | 10-30 Vdc | #ECVDMLTAL00  |

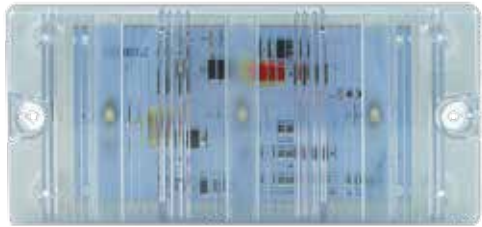


Technical Specifications

|                       |   |
|-----------------------|---|
| CURRENT DRAW          | < 0.2 Amps for LED                      |
| TECHNOLOGY            | 1 White LED and 8 Red LEDs              |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +65° F     |
| DIMENSIONS            | 5.9" (15 cm) Diameter x 0.9" (2.3 cm) D |
| MOUNTING              | Surface mount                           |
| WARRANTY              | Five-year                               |

# Dome LED Interior Lights

## White Universal LED Dome Lights



White LED Dome

10-30 Vdc

#ECVDMLTST2



White LED Dome

10-16 Vdc

#ECVDMLTST4

### Features

#### White LED Dome Light 10-30 Vdc

- > Exclusive lens design disperses the maximum amount of light
- > Easy on the electrical system
- > Durable polycarbonate lens
- > Great for interior light for overhead lighting
- > Includes 7 inch length lead/ mounting screws for installation

#### White LED Dome Light 10-16 Vdc

- > Easy on the electrical system
- > Simple 2-wire electrical connection
- > Great for interior light for overhead lighting
- > Includes 2-wire lead with 5 inch length/ mounting screws for installation

### Technical Specifications

|              |  |
|--------------|--|
| CURRENT DRAW | #ECVDMLTST2: < 0.65 Amps<br>#ECVDMLTST4: < 0.45 Amps   |
| DIMENSIONS   | #ECVDMLTST2: 7" (17.78 cm) W x 3.25 (8.25 cm) H<br>#ECVDMLTST4: 6" (15.24 cm) W x 3" (7.62 cm) H |
| MOUNTING     | Surface mount  |
| WARRANTY     | #ECVDMLTST2: Five-year<br>#ECVDMLTST4: One-year  |

# Strip LED Interior Lights

## Strip LED Light



12" Length, 10-16 Vdc

#ECVCSMLEDF

12" Length, 10-30 Vdc

#ECVCSMLEDF-24

### Technical Specifications

|              |           |
|--------------|-----------|
| CURRENT DRAW | 0.4 Amps  |
| WARRANTY     | Five-year |

### Features

- > Light has a white steel base with a scratch resistant polycarbonate lens
- > Specially engineered Fresnel lens to boost light output and brightness
- > Includes 2-wire lead with a 18" length

### Features

- > Streamlined, low amp draw LED lighting
- > Housing design allows for clean wire management behind light
- > Easy installation - make a simple 2-wire electrical connection
- > Glossy white powder coated aluminum housing with a polycarbonate lens
- > Includes 2-wire lead with a 18" length

## 90 Degree Corner Mount Strip LED Light



10" Length, 10-16 Vdc

#ECVCSLLED1Ø

21" Length, 10-16 Vdc

#ECVCSLLED21

32" Length, 10-16 Vdc

#ECVCSLLED32

43" Length, 10-16 Vdc

#ECVCSLLED43

10" Length, 10-30 Vdc

#ECVCSLLED10-3Ø

21" Length, 10-30 Vdc

#ECVCSLLED21-3Ø

32" Length, 10-30 Vdc

#ECVCSLLED32-3Ø

43" Length, 10-30 Vdc

#ECVCSLLED43-3Ø

### Technical Specifications

|              |   |
|--------------|---|
| CURRENT DRAW | LED 90° Corner Mount Strip Light: 0.4 Amps per 12" length |
| WARRANTY     | Five-year   |



## Flush Mount Strip LED Light



12" Length, 10-16 Vdc

#ECVCLLED12

24" Length, 10-16 Vdc

#ECVCLLED24

36" Length, 10-16 Vdc

#ECVCLLED36

42" Length, 10-16 Vdc

#ECVCLLED42

### Technical Specifications

|              |  |
|--------------|--|
| CURRENT DRAW | LED Flush Mount Strip Light: 0.4 Amps per 12" length |
| WARRANTY     | Five-year  |

### Features

- > Specially engineered lens optic directs light away from viewer's eye
- > Glossy white powder coated aluminum housing with a polycarbonate lens
- > Includes 2-wire lead with a 18" length and end/trim caps

# Beacons





# Beacons

4800 SERIES, LED

4500 SERIES, LED

4400 SERIES, LED

3000 SERIES, STROBE

## Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Heavy duty cast aluminum base

# BEACONS

## 4800 Series LED



### Magnetic Mount

|                               |              |
|-------------------------------|--------------|
| 4" Dome Amber Lens/Amber LEDs | #ELB48BML+AA |
| 4" Dome Blue Lens/Blue LEDs   | #ELB48BML+BB |
| 6" Dome Amber Lens/Amber LEDs | #ELB48BMH+AA |
| 6" Dome Blue Lens/Blue LEDs   | #ELB48BMH+BB |

### Flat/Pipe Mount

|                               |              |
|-------------------------------|--------------|
| 4" Dome Amber Lens/Amber LEDs | #ELB48BCLØAA |
| 4" Dome Blue Lens/Blue LEDs   | #ELB48BCLØBB |
| 6" Dome Amber Lens/Amber LEDs | #ELB48BCHØAA |
| 6" Dome Blue Lens/Blue LEDs   | #ELB48BCHØBB |

## ACCESSORIES

Beacon not included.



## branch guards

|                                 |            |
|---------------------------------|------------|
| Branch Guard, 4" Height         | #PESB41BG4 |
| Branch Guard, 6" Height (shown) | #PESB41BG6 |



## dust cover

|                               |          |
|-------------------------------|----------|
| Dust Cover, 4" Height         | #E36ØDC4 |
| Dust Cover, 6" Height (shown) | #E36ØDC6 |

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 6 flash patterns   |
| LED COUNT             | 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 1.5 Amps @ 12 Vdc, .75 Amps @ 24 Vdc   |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 4" Dome with base: 5" (12 cm) H, 6.3" (16 cm) base diameter<br>6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | ECE65 Class 1 certified  |
| WARRANTY              | Five-year  |

# BEACONS

## 4500 Series LED



### Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Heavy duty cast aluminum base

Replace (x) and (xx's) in Order Number for Personalized Selections

**#ELB45B(x)(xx)(xx)**

**(x) = Mounting Options:**

Flat/Pipe = **C**  
Magnetic = **M**

**(xx) = Height Options:**

Flat/Pipe, Low 4" Dome = **LØ**  
Flat/Pipe, High 6" Dome = **HØ**  
Magnetic Mount, Low 4" Dome = **L+**  
Magnetic Mount, High 6" Dome = **H+**

**(xx) = LED / Dome Color Options:**

Amber / Amber = **AA**  
Amber / Clear = **AC**  
Amber and White / Clear = **FC**  
Blue / Blue = **BB**  
Green / Clear = **GC**

Green / Green = **GG**  
Red and Blue / Clear (low dome only) = **JC**  
Red / Clear = **RC**  
Red / Red = **RR**  
White / Clear = **WC**

### ACCESSORIES Beacon not included.



### branch guards

Branch Guard, 4" Height

**#PESB41BG4**

Branch Guard, 6" Height (shown)

**#PESB41BG6**



### dust cover

Dust Cover, 4" Height

**#E36ØDC4**

Dust Cover, 6" Height (shown)

**#E36ØDC6**

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 8 flash patterns   |
| LED COUNT             | 12 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 1 Amp @ 12 Vdc, 0.5 Amps @ 24 Vdc  |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 4" Dome with base: 5" (12 cm) H, 6.3" (16 cm) base diameter<br>6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | SAE J845 Class 1 certified   |
| WARRANTY              | Five-year  |



## Features

- > Synchronizing ability for up to 8 beacons
- > 12 extremely bright LEDs allow for advanced optimal light distribution
- > Waterproof IP65
- > Rugged polycarbonate base

# BEACONS

## 4400 Series LED



### Magnetic Mount

6" Dome Amber Lens/Amber LEDs

**#ELB44BMH+AA**

### Flat/Pipe Mount

6" Dome Amber Lens/Amber LEDs

**#ELB44BCHØAA**

## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 20 flash patterns   |
| LED COUNT             | 12 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 2 Amps maximum  |
| OPERATING TEMPERATURE | -30° C to 50° C   |
| DIMENSIONS            | 6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount with 24" cable wire               |
| CERTIFICATIONS        | SAE J845 Class 1 certified                                    |
| WARRANTY              | Three-year  |

# BEACONS

## 3000 Strobe Series



Replace (xx) and (x's) in Order Number for Personalized Selections

**#3(xx)7(x)(x)(x)**

(xx) = Watt Options: 10 Watt = **10**  
20 Watt = **20**

(x) = Height Options: Low 4" Dome = **L**  
High 6" Dome = **H**

(x) = Mounting Options: Flat/Pipe = **C**  
Magnetic = **M**

(x) = Dome Color Options: Amber = **A**  
Clear = **C**

### Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Advanced circuitry designed tolerate high vibration applications

### ACCESSORIES Beacon not included.



### branch guards

Branch Guard, 4" Height  
Branch Guard, 6" Height (shown)

**#PESB41BG4**

**#PESB41BG6**



### dust cover

Dust Cover, 4" Height  
Dust Cover, 6" Height (shown)

**#E360DC4**

**#E360DC6**

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 2 flash patterns - double or quad (user selectable)  |
| TECHNOLOGY            | Xenon Helix Strobe Tube  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 10 Watts: 1 Amp @ 12 Vdc, 0.5 Amps @ 24 Vdc<br>20 Watts: 2 Amps @ 12 Vdc, 1 Amp @ 24 Vdc             |
| OPERATING TEMPERATURE | -40° C to 50° C  |
| DIMENSIONS            | 4" Dome with base: 4.75" (12 cm) H<br>6" Dome with base: 6.7" (17 cm) H x 6.3" (16 cm) base diameter |
| MOUNTING              | Permanent or Magnetic mount (polycarbonate lens and black base)                                      |
| CERTIFICATIONS        | SAE J1318 Class 2 certified  |
| WARRANTY              | Two-year (strobe tube, one-year)   |

# Work Lights





# Work Lights

SPOT LIGHTS

WORK LIGHTS

SCENE LIGHTS

# PAR46

## Unity® Spot Light Insert

### Features

- > Easy installation
- > LED technology rated at 215,000 candlepower with up to 50,000 hours of lamp life
- > 2 degrees tightly controlled focus
- > Hard-coated, polycarbonate lens that is break resistant, virtually indestructible



Spot Lens, White LEDs

**#ESL461WC**



### Technical Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| LED COUNT             | 9 LEDs                               |
| INPUT VOLTAGE         | 12 Vdc                               |
| CURRENT DRAW          | 2.4 @ 12 Vdc                         |
| OPERATING TEMPERATURE | -40° C to +50° C / -40° F to +122° F |
| DIMENSIONS            | 5.75 (14.8 cm) W x 3.3" (8.4 cm) D   |
| CERTIFICATIONS        | SAE J575, 578 and 591 certified      |
| WARRANTY              | Five-year                            |



# PAR36

## 1400 and 1000 Lumen LED Work Lights



Spot Lens



Flood and Trapezoid Lens

### 1400 Lumen

Spot Lens

Flood Lens

Trapezoid Lens

#EWLB1400DBDS0W

#EWLB1400DBDF0W

#EWLB1400DBDT0W

### 1000 Lumen

Spot Lens

Flood Lens

Trapezoid Lens

#EWLB1000DBDS0W

#EWLB1000DBDF0W

#EWLB1000DBDT0W

## Features

- > Protection against reverse polarity and load dump
- > LEDs offer better energy efficiency - uses 75% less energy than sealed beams
- > Visual clarity - crystal clear polycarbonate lenses with extremely bright, white LEDs illuminate the darkest work areas
- > Lasts for years with 50 times the lifespan of sealed beam halogens and 10 times that of HID bulbs (30,000+ hours of use)
- > Includes U-bracket with 20" wire length

## Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERNS |   |
| Spot:                 | 10°   |
| Flood:                | 40° H x 25° V   |
| Trapezoid:            | 40° H. x 15° V  |
| LED COUNTS            |   |
| 1400 Lumen:           | 9 LEDs  |
| 1000 Lumen:           | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          |   |
| 1400 Lumen:           | 2.5 Amps @ 12.8 Vdc   |
| 1000 Lumen:           | 2 Amps @ 12.8 Vdc   |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                          |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) |
| MOUNTING              | Surface mount with U-bracket                                  |
| CERTIFICATIONS        | SAE DOT Lens Marking  |
| WARRANTY              | Three-year  |

## Features

- > Intense and bright, built for demanding environments
- > Certified to IP67 specifications for rigorous dust and water immersion testing
- > Rated to last 30,000+ hours for long-lasting and reliable, bright white light sources
- > Low maintenance and reduced operating costs
- > Includes adjustable mounting U-bracket with 180° of tilt forward or backward to aim the light as needed

# PAR36

## 1000 and 500 Lumen LED Work Lights



Spot Lens



Flood and Trapezoid Lens

### 1000 Lumen

Spot Lens  
Flood Lens  
Trapezoid Lens

#EWLA1000DBDS0W  
#EWLA1000DBDF0W  
#EWLA1000DBDT0W

### 500 Lumen

Spot Lens  
Flood Lens  
Trapezoid Lens

#EWLA0500DBDS0W  
#EWLA0500DBDF0W  
#EWLA0500DBDT0W

## Technical Specifications

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS |  |
| Flood:                | 40° H x 25° V,   |
| Spot:                 | 10°  |
| Trapezoid:            | 40° H. x 15° V   |
| LED COUNT             | 6 LEDs   |
| INPUT VOLTAGE         | 10-50 Vdc (worldwide use)  |
| CURRENT DRAW          |  |
| 1000 Lumen:           | 2 Amps @ 12.8 Vdc, 1.1 Amps @ 25.6 Vdc, 0.6 Amps @ 51.2 Vdc                      |
| 500 Lumen:            | 1.3 Amps @ 12.8 Vdc, 0.6 Amps @ 25.6 Vdc, 0.3 Amps @ 51.2 Vdc                    |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) (includes bracket) |
| MOUNTING              | Surface mount with U-bracket   |
| CERTIFICATIONS        | SAE DOT Lens Marking   |
| WARRANTY              | Three-year   |

# 3000

## 3000 Lumen LED Work Light



Spot Lens

**3000 Lumen**

Spot Lens (shown)

Flood Lens

**#EWLF3000DBDS0W**

**#EWLF3000DBDF0W**

### Features

- > Die cast aluminum housing with a black powder coat finish
- > PC vacuum coated reflector is weather proof and intensifies light output
- > Low current draw and efficient heat dispersion
- > Heavy duty powder coated adjustable mounting bracket included

### Technical Specifications

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS | Spot and Flood patterns  |
| LED COUNT             | 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 3.75 Amp @ 12.8 Vdc, 1.9 Amp @ 25.6 Vdc; 48 Watts                                  |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° C to +149° F   |
| DIMENSIONS            | 5.2" (13.3 cm) L x 4.8" (12.5 cm) H x 4.3" (11 cm) D<br>(does not include bracket) |
| MOUNTING              | Surface mount with U-bracket   |
| CERTIFICATIONS        | ECE Reg. 10  |
| WARRANTY              | Three-year   |

# 900 and 700

## 900 and 700 Lumen LED Work Lights

### Features

#### 900 and 700 Lumen LED

- > Die cast aluminum housing with a black powder coat finish
- > Offered in a wide flood pattern
- > Low current draw and efficient heat dispersion
- > Prewired double insulated cable
- > Reverse polarity protected
- > Heavy duty stainless steel adjustable mounting bracket included (shown on the 700 Lumen work light)



900 Lumen

Flood Lens

#EWLF0900SBDF0W



700 Lumen

Flood Lens

#EWLF0700DBDF0W

### Technical Specifications

| ILLUMINATION PATTERN  | Flood pattern  |
|-----------------------|--|
| LED COUNT             |  |
| 900 Lumen:            | 9 LEDs   |
| 700 Lumen             | 8 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          |  |
| 900 Lumen:            | 2.25 Amps @ 12 Vdc, 1.13 Amps @ 24 Vdc                             |
| 700 Lumen:            | 2 Amps @ 12 Vdc, 1 Amp @ 24 Vdc                                    |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -104° F to +149° F                              |
| DIMENSIONS            | Including bracket  |
| 900 Lumen:            | 4.6" (12 cm) W x 1.9" (4.9 cm) D, Height: 5" (13 cm)               |
| 700 Lumen:            | 5.6" (14 cm) D x 2.5" (6.4 cm) Depth, Overall Height: 4.7" (12 cm) |
| MOUNTING              | Surface mount with U-bracket                                       |
| CERTIFICATIONS        |  |
| 700 Lumen:            | ECE Reg. 10  |
| WARRANTY              |  |
| 900 Lumen:            | One-year   |
| 700 Lumen:            | Three-year   |

# 500

## 500 Lumen LED Work Lights



500 Lumen  
Flood Lens, Square

#EWLF0500SBDF0W



500 Lumen  
Flood Lens, Round

#EWLF0500DBDF0W

### Features

- > Die cast aluminum housing with a black powder coat finish
- > Offered in a wide flood pattern
- > Low current draw and efficient heat dispersion
- > Prewired double insulated cable
- > Reverse polarity protected
- > Heavy duty stainless steel adjustable mounting bracket included (shown on the 500 Lumen work light)

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             |   |
| 500 Lumen:            | 5 LEDs  |
| 500 Lumen:            | 4 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          |   |
| 500 Lumen:            | 1.25 Amps @ 12 Vdc, 0.63 Amps @ 24 Vdc                            |
| 500 Lumen:            | 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc                                  |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° to +65° C / -40° to +149° F                                  |
| DIMENSIONS            | Including bracket   |
| 500 Lumen:            | 4.3" (11 cm) W x 1.6" (4.1 cm) D, Height: 5" (13 cm)              |
| 500 Lumen:            | 3.3" (8 cm) D x 2.5" (6.4 cm) Depth, Overall Height: 4.4" (11 cm) |
| MOUNTING              | Surface mount with U-bracket                                      |
| CERTIFICATIONS        |   |
| 500 Lumen:            | ECE Reg. 10   |
| WARRANTY              |   |
| 500 Lumen, Square:    | One-year  |
| 500 Lumen, Round:     | Three-year  |



# 4000 3000 2200

## 4000, 3000 and 2200 Lumen LED Scene Lights

### Features

- > Die cast aluminum housing with a black powder coat finish
- > PC vacuum coated reflector is weather proof and intensifies light output
- > Low current draw and efficient heat dispersion
- > Heavy duty stainless steel adjustable mounting bracket included



**4000 Lumen**

5 Module

**#EWLS4000TBDF0W**



**3000 Lumen**

4 Module

**#EWLS3000TBDF0W**



**2200 Lumen**

3 Module

**#EWLS2200TBDF0W**

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             |   |
| 4000 Lumen:           | 30 LEDs   |
| 3000 Lumen:           | 24 LEDs   |
| 2200 Lumen:           | 18 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          |   |
| 4000 Lumen:           | 60 Watts  |
| 3000 Lumen:           | 48 Watts  |
| 2200 Lumen:           | 36 Watts  |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° C to +149° F                              |
| DIMENSIONS            |   |
| 4000:                 | 17.5" (45 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| 3000:                 | 14.4" (37 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| 2200:                 | 11.2" (29 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| MOUNTING              | Surface mounting with U-bracket                                   |
| CERTIFICATIONS        | ECE Reg. 10   |
| WARRANTY              | Three-year  |

# Mighty Night Light

## 400 Lumen LED Spot Lights



15 Degree Forward Facing Lens **#EAUSSMBØAWC**

20 Degree Flood Standard Lens **#EAUSSMBØSWC**



45 Degree Flood Lens **#EAUSSMBØFWC**

### Features

- > High powered white LED spot light with a compact size that allows you to use it anywhere you have restricted space such as push bumpers or around the license plate
- > Powerful and bright 400 lumen output
- > Can be mounted vertically or horizontally

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERNS |   |
| Forward Facing Lens:  | 15°   |
| Flood Standard Lens:  | 15°   |
| Flood Lens:           | 45°   |
| LED COUNT             | 1 LED   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 0.45 to 0.65 Amps @ 12.8 Vdc                        |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° C to +149° F                |
| DIMENSIONS            | 2.8" (7.1 cm) L x 4.1" (1.0 cm) H x 1.3" (3.3 cm) D |
| MOUNTING              | Surface mount on 3.5" (8.9 cm) centers              |
| WARRANTY              | Three-year  |

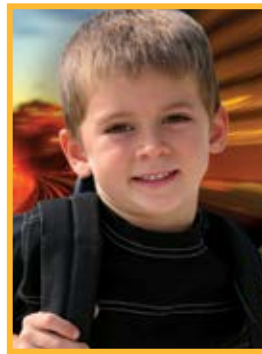


The primary mission of SoundOff Commercial Vehicle Products is to provide the highest margin of safety for school bus passengers.

protecting  
what is most  
important



# WHY BUY LED school bus lights?



To improve your total cost  
of ownership by

**50 percent !**



## LED Lighting Can Reduce Your Cost by Over 50% Versus Traditional Lighting Over the Life of Your Bus.\*

### Low Maintenance

Keep your buses on the road where they should be; SoundOff Commercial Vehicle products LED lights are designed for years of maintenance-free service to last the lifetime of your bus. Contrast this with expensive, on-going service costs required with incandescent lighting.

### Increased Visibility

Reliable LED lights are designed for all weather conditions with advanced optics for maximum light output.

### Greater than 75% Reduction in Amp Draw

Low amp draw also means you can install other safety systems, like our Bus Light Monitor, anti-theft devices or Ignition Security System.

### Significant Reduction

Study revealed for every 400 traditional bulbs replaced, less than 10 LED lights required replacement. That's greater than a 90% improvement.

### Reduce "Drive-Bys"

Other motorists see LED lights before they see incandescent lights. This means motorists have more time to slow down and stop for your bus. A study from the University of Michigan concluded that the reaction time for the average driver is at least 250 milliseconds faster when viewing LED verses incandescent lights, which translates to an additional 22 feet of stopping distance.

Information supported by a one-year maintenance study conducted by SoundOff Commercial Vehicle Products in Warren County, KY with a fleet of over 200 traditional school buses. \*

Each day, approximately 475,000 school buses carry 25 million children to and from school, rarely with any serious incidents.

As a recognized industry leader, SoundOff Commercial Vehicle Products is solely focused on engineering and manufacturing LED lights to provide the highest degree of safety for school bus passengers.

Our mission is to advocate safety and protect what is most important to our future:

the next generation.





# FRONT AND REAR LIGHTING SPECIFICATIONS

## A. Clearance Marker Lights

- #ECVML750A or R or W (.75" Round)
- #ECVMLDP1Y or R (5" Oval)
- #ECVMLT351Y or R (Triangular)
- #ECVMLT35MG (350 Guard)

## B. 7" Round Warning Lights

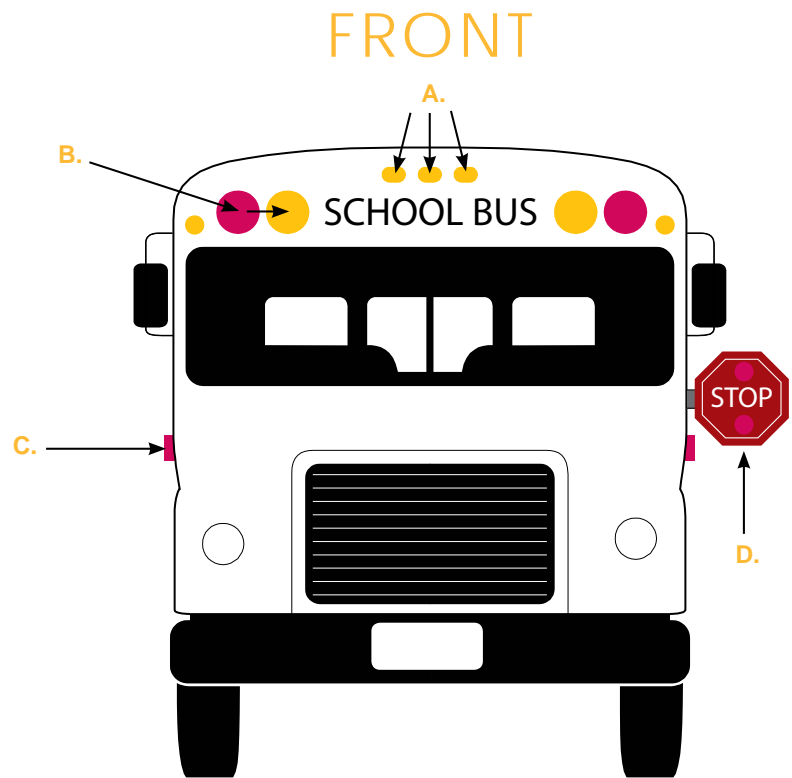
- #E756IEB0A-FA or R-FA

## C. Marker Lights

- #ECVML750A or R or W (.75" Round)
- #ECVML121Y or R (4" Rectangular)
- #ECVML12BMG (120 Guard)
- #ECVML151Y or R (2.5" Rectangular)
- #ECVML141Y or R (4.5" Rectangular)
- #ECVML15BMG (150 Guard)
- #ECVMLT351Y or R (Triangular)
- #ECVMLT35MG (350 Guard)
- #ECVO62MTY-FA (6" Oval)
- #ECVO61BMG (06 Guard)

## D. Bus Stop Arm Retrofit LED Lighting Kit

- #ECVR12SAK (Light, Harness and Screws only)



## E. Clearance Marker Lights

- #ECVML750A or R or W (.75" Round)
- #ECVMLDP1Y or R (5" Oval)
- #ECVMLT351Y or R (Triangular)
- #ECVMLT35MG (350 Guard)

## F. 3.5" x 2.5" Compact License Plate Light

- #ECVLPBLED

## G. 4" Round License Plate Combo Light

- #ECVR41STTELP-FA

## H. 7" Round, 4" Round and C2 Backup Lights

- #ECV7561B2W-FA
- #ECVR42B2W-FA (4" with Grommet)
- #ECVR44B3W-FA (4" with Flange)
- #ECVRT861B4W (C2 Rectangular)

## I. 7" Round Warning Lights

- # E756IEB0A-FA or R-FA

## J. 7" Round 4" Round & C2 Signal Lights (Amber Turn)

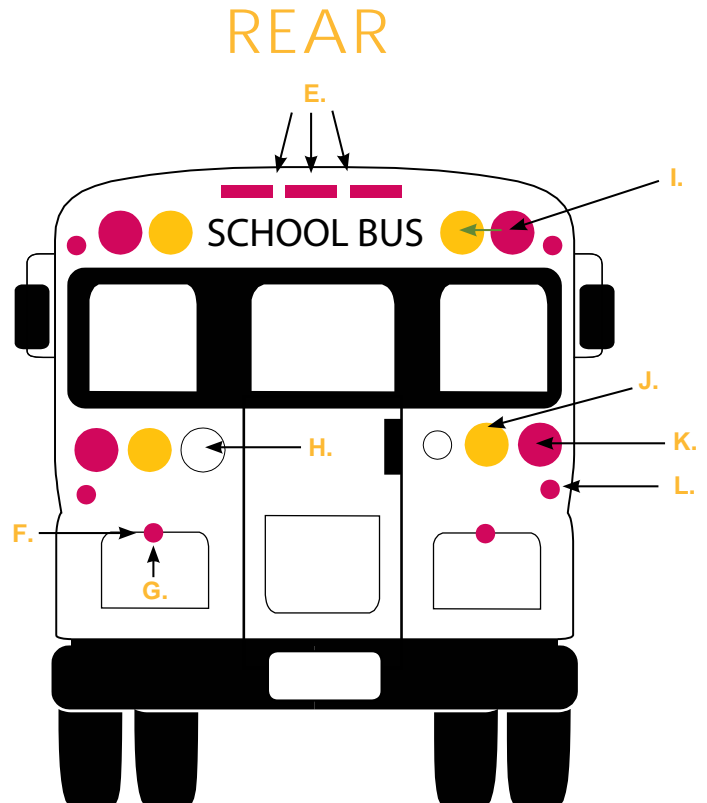
- #ECV7561TY-FA
- #ECV7561TYA-FA (with Arrow)
- #ECVR42TY-FA (4" with Grommet)
- #ECVR44TY-FA (4" with Flange)
- #ECVRT861RPTY (C2 Rectangular)

## K. 7" Round & C2 Signal Lights (Red Stop/Tail/Turn)

- #ECV7561STT-FA
- #ECVRT861STT (C2 Rectangular)

## L. 4" Round Signal Lights (Red Stop/Tail/Turn)

- #ECVR42STT-FA (with Grommet)
- #ECVR44STT-FA (with Flange)



# SIDE AND INTERIOR LIGHTING SPECIFICATIONS

## SIDE

### M. 4300 Series LED Beacons

#ELB43BCL0WC (4" Clear Dome)  
#ELB43BCL0AA (4" Amber Dome)  
#ELB43BCH0WC (5" Clear Dome)  
#ELB43BCH0AA (5" Amber Dome)

### 3000 Series Strobe Beacons

#3107LCA (4" Clear Dome)  
#3107LCC (4" Amber Dome)

### N. Marker Lights

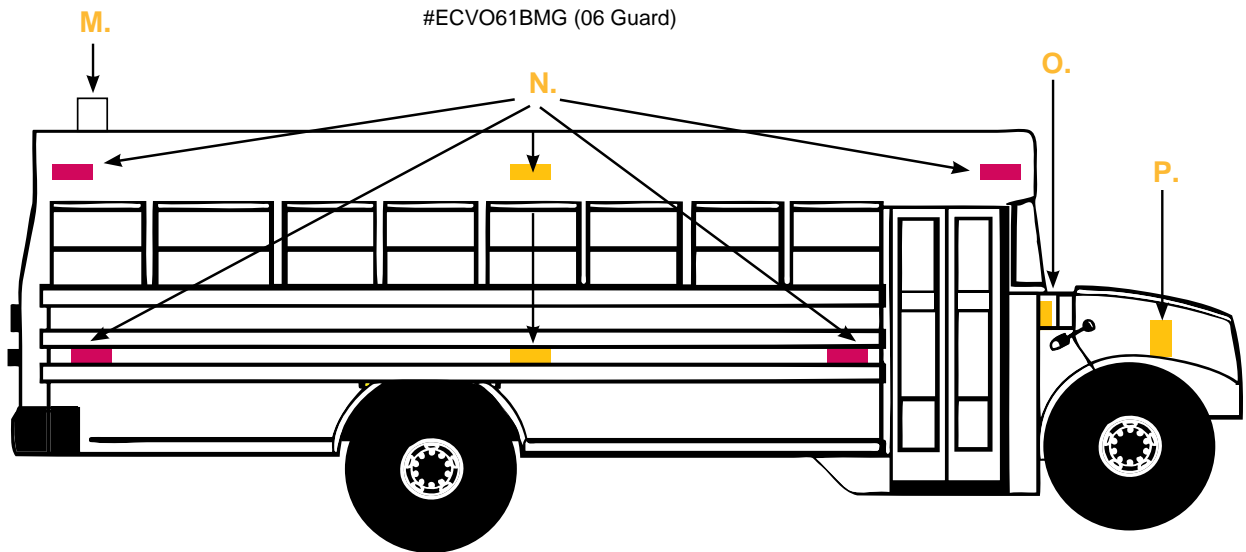
#ECVML750A or R or W (.75" Round)  
#ECVML121Y or R (4" Rectangular)  
#ECVML12BMG (120 Guard)  
#ECVML151Y or R (2.5" Rectangular)  
#ECVML141Y or R (4.5" Rectangular)  
#ECVML15BMG (150 Guard)  
#ECVMLT351Y or R (Triangular)  
#ECVMLT35MG (350 Guard)  
#ECVO62MTY-FA (6" Oval)  
#ECVO61BMG (06 Guard)

### O. 7" Round Front/Park/Turn Light

#ECV7561FPTY-FA

### P. Front/Park/Turn "Lollipop" Lights

#ECV4FPTMA (Universal Amber)  
#ECV4FPTMK (Amber + Red Curb Side)  
#ECV5FPTMK (Amber + Red Road Side)



## INTERIOR

### Q. Interior Dome Lights

#EVCDMLTST2 (7" x 3.25")  
#EVCDMLTST4 (6" x 3")

### R. Universal Bus Lamp Monitor

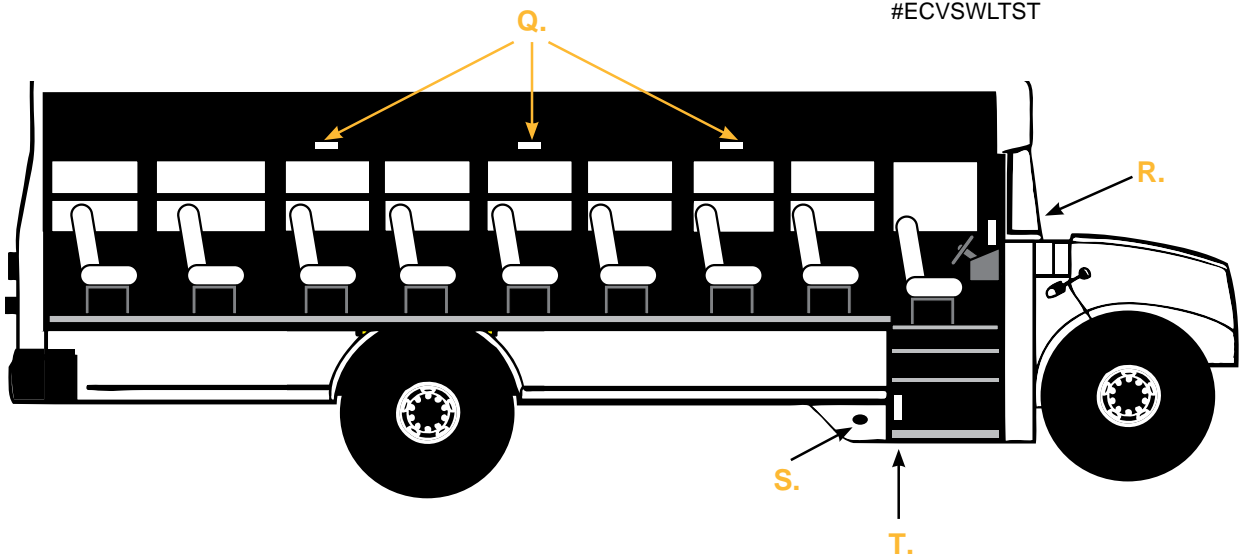
#ECVBSLM01 (LED, Incandescent or Halogen)

### S. 4" Curb/Entry Light

#ECVCBLTST

### T. Stepwell Light

#ECVSWLTST

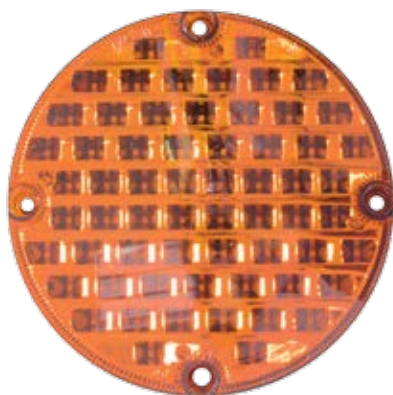


# WARNING LIGHTS

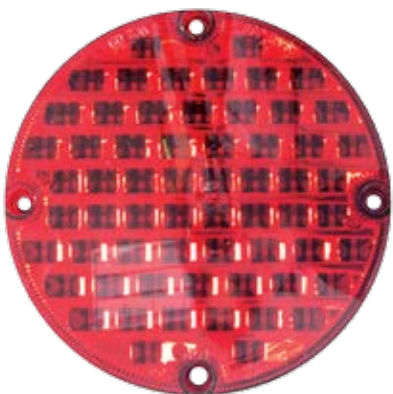
## 7" Round

### Features

- Leading 8-way warning light system
- Advanced optical technology exceeds all FMVSS and SAE requirements
- Specially engineered reflective optics to boost light output and brightness
- Sonic welded, waterproof construction
- Reinforced stainless steel screw bosses
- Lens with UV inhibitor prevents sun fade
- Weatherproof seal with adhered neoprene gasket
- Includes 7" wire length



7" Round Warning Light, Amber **#E756IEBØA-FA**



7" Round Warning Light, Red **#E756IEBØR-FA**

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 9-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc, Steady Burn: 1 - 1.6 Amps, Strobing: 0.6 - 0.9 Amps                              |
| LED COUNT           | Red, 62 or Amber, 100 LEDs   |
| FLASH PATTERNS      | 2 Modes: Steady Burn and Strobing @ 10.4 f.p.s.  |
| DIMENSIONS          | 7" (17.8 cm) diameter x 1.875" (4.8 cm) depth  |
| MOUNTING            | Surface Mount on 6.25" (15.9 cm) centers   |
| CERTIFICATIONS      | SAE J575, J578 and J887 certified; Article 22 CA Title 13 compliant and FMVSS108 certified |
| WARRANTY            | Five-year  |

# SIGNAL LIGHTS

## 7" Round Stop/Tail/Turn

### Features

Advanced optical technology exceeds all FMVSS and SAE requirements

Specially engineered lens to boost light output and brightness

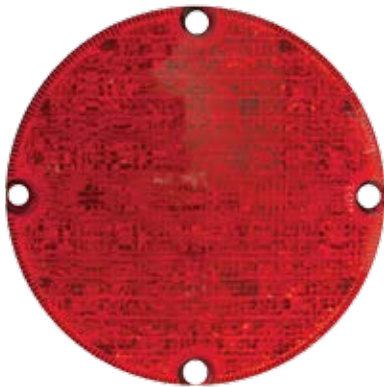
Sonic welded, waterproof construction

Reinforced stainless steel screw bosses

Lens with UV inhibitor prevents sun fade

Weatherproof seal with adhered neoprene gasket

Includes 7" wire length



7" Round Stop/Tail/Turn, Red **#ECV7561STT-FA**

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 9-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc; Stop/Turn: .2 Amp, Tail: .1 Amp                              |
| LED COUNT           | 19 LEDs  |
| DIMENSIONS          | 7" (17.8 cm) diameter x 1.875" (4.8 cm) depth                          |
| MOUNTING            | Surface Mount on 6.25" (15.9 cm) centers                               |
| CERTIFICATIONS      | SAE J575, J578, J585, J586, J588, J1395, J1398 and FMVSS 108 certified |
| WARRANTY            | Five-year  |

# SIGNAL LIGHTS

## 7" Round Rear Turn

### Features

Advanced optical technology exceeds all FMVSS and SAE requirements

    Specially engineered lens to boost light output and brightness

        Sonic welded, waterproof construction

        Reinforced stainless steel screw bosses

        Lens with UV inhibitor prevents sun fade

    Weatherproof seal with adhered neoprene gasket

        Includes 7" wire length



7" Round Rear Turn, Amber

**#ECV7561TY-FA**

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE | 9-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, .2 Amp  |
| LED COUNT           | 19 LEDs   |
| DIMENSIONS          | 7" (17.8 cm) diameter x 1.875" (4.8 cm) depth                 |
| MOUNTING            | Surface Mount on 6.25" (15.9 cm) centers                      |
| CERTIFICATIONS      | SAE J575, J578, J588, J1395 certified and FMVSS 108 certified |
| WARRANTY            | Five-year   |



# SIGNAL LIGHTS

## 7" Round Rear Turn with Arrow and Front/Park/Turn

### Features

Advanced optical technology exceeds all FMVSS and SAE requirements

Greatest number of LEDs, our brightest light

Specially engineered lens to boost light output and brightness

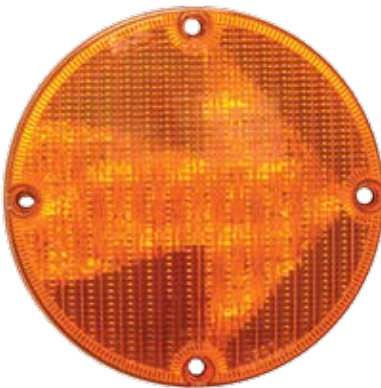
Sonic welded, waterproof construction

Reinforced stainless steel screw bosses

Lens with UV inhibitor prevents sun fade

Weatherproof seal with adhered neoprene gasket

Includes 7" wire length



7" Round Rear Turn with Arrow, Amber

#ECV7561TYA-FA



7" Round Front/Park/Turn, Amber

#ECV7561FPTY-FA

### TECHNICAL SPECIFICATIONS

|                      |  |
|----------------------|--|
| INPUT VOLTAGE RANGE  |  |
| Rear Turn with Arrow | 9-16 Vdc   |
| Front/Park/Turn      | 9-16 Vdc   |
| CURRENT DRAW         |  |
| Rear Turn with Arrow | 12.8 Vdc, .32 Amp; 12.8 Vdc, Stop/Turn: .2 Amp; Tail: .1 Amp               |
| Front/Park/Turn      | 12.8 Vdc; Stop/Turn: .2 Amp  |
| LED COUNT            | 19 LEDs  |
| DIMENSIONS           | 7" (17.8 cm) diameter x 1.875" (4.8 cm) depth                              |
| MOUNTING             | Surface Mount on 6.25" (15.9 cm) centers                                   |
| CERTIFICATIONS       | SAE J222, J575, J578, J588, J1395; FMVSS 108 certified and Front/Park/Turn |
| WARRANTY             | Five-year  |

# SIGNAL LIGHTS

## 5.25" x 8.5" C2 Rectangular

### Features

Solid-state lighting design yields years of maintenance-free service

LEDs offer greater visibility and increased safety verses traditional incandescent bulbs

Excellent off angle visibility

Scratch-resistant polycarbonate lens



C2 Rectangular Park Turn, Amber **#ECVRT861RPTY**



C2 Rectangular Stop/Tail/Turn, Red **#ECVRT861STT**

### TECHNICAL SPECIFICATIONS

|                        |  |
|------------------------|--|
| INPUT VOLTAGE RANGE    | 9-16 Vdc   |
| CURRENT DRAW           | Red: 12.8 Vdc, .21 Amp; Amber: 12.8 Vdc, .15 Amp   |
| LED COUNT              | 18 LEDs  |
| DIMENSIONS             | 5.25" (13.335 cm) W x 8.5" (21.59 cm) H x 2.27" (5.40 cm) D  |
| MOUNTING               | Flush mount, using four threaded metal screws  |
| CONNECTOR REQUIREMENTS | Light body has 3-pin overmolded, integrated male connector which mates with an Amp 1.5 Series Superseal female, waterproof connector, P/N 282087-1 (female connector not included) |
| CERTIFICATIONS         | Red: SAE J575, J578, J585, J586, J588, J1395, J1398 certified and FMVSS 108 certified; Amber: SAE J575, J578, J588, J1395 certified and FMVSS 108 certified                        |
| WARRANTY               | Five-year  |

# SIGNAL LIGHTS

## 4" Round Stop/Tail/Turn

### Features

Advanced optical technology exceeds all SAE requirements and FMVSS

Specially engineered lens to boost light output and brightness

Lens has UV inhibitor that prevents sun fade

Includes 8" wire length



4" Round Stop/Tail/Turn with Grommet, Red

**#ECVR42STT-FA**



4" Round Stop/Tail/Turn with Flange, Red

**#ECVR44STT-FA**

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 9-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc; Stop/Turn: .013-.19 Amp, Tail: .013-.179 Amp                           |
| LED COUNT           | 12 LEDs  |
| DIMENSIONS          | 4" (10.16 cm) diameter x 1.25" (2.86 cm) depth                                   |
| MOUNTING            | Recess mount into standard 4.5" round  |
| CERTIFICATIONS      | SAE J575, J578, J585, J586, J588, J1395, J1398 certified and FMVSS 108 certified |
| WARRANTY            | Five-year  |

# SIGNAL LIGHTS

## 4" Round Turn

### Features

Advanced optical technology exceeds all SAE requirements and FMVSS

Specially engineered lens to boost light output and brightness

Lens has UV inhibitor that prevents sun fade

Includes 8" wire length



4" Round Turn with Grommet, Amber

#ECVR42TY-FA



4" Round Turn with Flange, Amber

#ECVR44TY-FA

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE | 9-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, .013-.28 Amp  |
| LED COUNT           | 10 LEDs   |
| DIMENSIONS          | 4" (10.16 cm) diameter x 1.25" (2.86 cm) depth                      |
| MOUNTING            | Recess mount into standard 4.5" round                               |
| CERTIFICATIONS      | SAE J222, J575, J578, J588, J1395 certified and FMVSS 108 certified |
| WARRANTY            | Five-year   |

# SIGNAL LIGHTS

## 6" Oval Stop/Tail/Turn and Park/Turn

### Features

Advanced optical technology exceeds all FMVSS and SAE requirements

Specially engineered lens to boost light output and brightness

Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

Includes 6" wire length



6" Oval Stop/Tail/Turn Grommet, Red (shown)

#ECVO62STT-FA

6" Oval Stop/Tail/Turn with Flange, Red

#ECVO64STT-FA



6" Oval Park/Turn with Grommet, Amber

#ECVO62TY-FA

6" Oval Park /Turn with Flange, Amber (shown)

#ECVO64TY-FA

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE |   |
| Stop/Tail/Turn      | 10-16 Vdc   |
| Park/Turn           | 10-16 Vdc   |
| CURRENT DRAW        |   |
| Stop/Tail/Turn      | 12.8 Vdc, Stop/Turn: .16 Amp and Tail: .023 Amp                     |
| Park/Turn           | 12.8 Vdc, Tail: .043 Amp and Turn: .16 Amp                          |
| LED COUNT           | 14 LEDs   |
| DIMENSIONS          | 7.44" (18.90 cm) L x 3.2" (8.13 cm) H                               |
| MOUNTING            | Recess mount into standard 6" oval hole                             |
| CERTIFICATIONS      |   |
| Stop/Tail/Turn      | SAE J575, J578, J586, J588, J1395 certified and FMVSS 108 certified |
| Park/Turn           | SAE J575, J578, J588 and J1395 certified and FMVSS 108 certified    |
| WARRANTY            | Five-year   |



# BACKUP LIGHTS

## 7" Round

### Features

- Reinforced stainless steel screw bosses
- Weatherproof seal with adhered neoprene gasket
- Includes 7" wire length



7" Round Backup, White **#ECV7561B2W-FA**

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE | 9-16 Vdc                                      |
| CURRENT DRAW        | 13.8 Vdc, .5 Amp                              |
| LED COUNT           | 19 LEDs                                       |
| DIMENSIONS          | 7" (17.8 cm) diameter x 1.875" (4.8 cm) depth |
| MOUNTING            | Surface mount on 6.25" (15.9 cm) centers      |
| CERTIFICATIONS      | SAE J593 and FMVSS 108 certified              |
| WARRANTY            | Five-year                                     |

# BACKUP LIGHTS

## 4" Round

### Features

Bright-white offers unmatched output and brightness

Includes 8" wire length



4" Round Backup with Grommet, White **#ECVR42B2W-FA**



4" Round Backup with Flange, White **#ECVR44B3W-FA**

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 9-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc, .2-.337 Amp  |
| LED COUNT           | 12 LEDs  |
| DIMENSIONS          | 4" (10.15 cm) diameter x 1.25 (3.18 cm) depth  |
| MOUNTING            | Recess mount into standard 4.5" (11.4 cm) cut out with black rubber grommet or chrome dress ring |
| CERTIFICATIONS      | SAE J593 and FMVSS 108 certified   |
| WARRANTY            | Five-year  |

# BACKUP LIGHTS

## 6" Oval LED

### Features

Specifically engineered lens to boost light output and brightness

Sonic welded, waterproof construction lens with UV inhibitor prevents sun fade

Includes 6" wire length



6" Oval, LED White Backup, with Grommet, White

#ECVO62B2W-FA

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, backup .3 Amp                                  |
| LED COUNT           | 14 LEDs  |
| DIMENSIONS          | 7.44" (18.90 cm) L x 3.2" (8.13 cm) H                    |
| MOUNTING            | Recess mount into standard 6" oval hole                  |
| CERTIFICATIONS      | SAE J575, J578, J586, J588, J1395 and FMVS 108 certified |
| WARRANTY            | Five-year  |

# BACKUP LIGHTS

## 5.25" x 8.5" C2 Rectangular

### Features

Solid-state lighting design yields years of maintenance-free service

LEDs offer greater visibility and increased safety verses traditional incandescent bulbs

Excellent off-angle visibility

Scratch-resistant polycarbonate lens



5.25" x 8.5" C2 Rectangular Backup, White **#ECVRT861B4W**

### TECHNICAL SPECIFICATIONS

|                         |   |
|-------------------------|---|
| INPUT VOLTAGE RANGE     | 10-16 Vdc   |
| CURRENT DRAW            | 12.8 Vdc, .14 Amp   |
| LED COUNT               | 18 LEDs   |
| DIMENSIONS              | 5.25" (13.34 cm) W x 8.5" (21.60 cm) H x 2.27" (5.4 cm) D   |
| MOUNTING                | Flush mount using four threaded metal screws  |
| CONNECTION REQUIREMENTS | Light body has 3-pin overmolded, integrated male connector which mates with an 1.5 Amp series superseal female, water proof connector (part no. 282087-1). Female connector not included. |
| CERTIFICATIONS          | SAE J593 certified and FMVSS 108 certified  |
| WARRANTY                | Five-year   |

# MARKER/CLEARANCE LIGHTS

## .75" Round Bullet Marker

### Features

PC/P2 rated combination clearance and marker lights are perfect for bus front and rear corner mounting

Includes .43" black rubber grommet and 9" wire length



Marker, White

#ECVML75ØGSW



Marker, Amber

#ECVML75ØGSA



Marker, Red

#ECVML75ØGSR

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 9-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc, .03 Amp  |
| LED COUNT           | 3 LEDs   |
| DIMENSIONS          | 1.08" (2.74 cm) diameter x 9" (2.29 cm) depth (includes grommet) |
| MOUNTING            | Recess mount into a standard .75" round                          |
| CERTIFICATIONS      | SAE J575, J592, J2042, P2, P3, PC2 and FMVSS 108 certified       |
| WARRANTY            | Five-year  |



# MARKER/CLEARANCE LIGHTS

## 120 Series PC/P2 Clearance and Marker

### Features

PC/P2 rated combination clearance and marker lights are perfect for bus front and rear corner mounting

Includes neoprene gasket, mounting hardware and 7" wire length

Optional black metal mounting guard available



Marker, Amber (shown)

#ECVML121Y

Marker with Metal Guard, Amber

#ECVML122Y



Marker, Red (shown)

#ECVML121R

Marker with Metal Guard, Red

#ECVML122R

### Accessories



Black Metal Mounting Guard

#ECVML12BMG

*Light sold separately*

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, 0.05 Amp   |
| LED COUNT           | 4 LEDs   |
| DIMENSIONS          | 4" (10.15 cm) L x 1" (2.55 cm) W x 0.75" (1.9 cm) D            |
| MOUNTING            | Surface mount on 3.15" (8 cm) centers                          |
| CERTIFICATIONS      | SAE J593 certified; FMVSS 108 certified; P2 rated and PC rated |
| WARRANTY            | Five-year  |

# MARKER/CLEARANCE LIGHTS

## 140 Series Marker

### Features

Specially engineered lens to boost light output and brightness

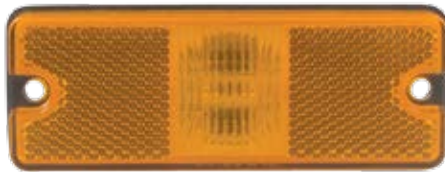
Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

Compact and slim design

P2 and P3 rated combination clearance and marker lights are perfect for bus front and rear corner mounting

Includes neoprene gasket, mounting hardware and 7" wire length



140 Series Marker, Amber

#ECVML141Y



140 Series Marker, Red

#ECVML141R

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, .04 Amp  |
| LED COUNT           | 2 LEDs   |
| DIMENSIONS          | 4.5" (11.4 cm) L x 1.7" (4.3 cm) W x 0.4" (1 cm) D                   |
| MOUNTING            | Surface mount on 4" (10 cm) centers                                  |
| CERTIFICATIONS      | SAE J592, J594 and J2041 certified; FMVSS 108 certified and P2 rated |
| WARRANTY            | Five-year  |

# MARKER/CLEARANCE LIGHTS

## 150 Series Marker: Compact Design

### Features

Specially engineered lens to boost light output and brightness

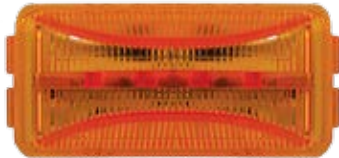
Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

PC and P2 rated markers are perfect for bus front and rear corner mounting

Includes neoprene gasket and 7" wire length

Optional plastic mounting guard



150 Series Marker: Compact Design, Amber (shown)

#ECVML151Y

150 Series Marker: Compact Design with Plastic Guard, Amber #ECVML155Y



150 Series Marker: Compact Design, Red (shown)

#ECVML151R

150 Series Marker: Compact Design with Plastic Guard, Red #ECVML155R

## Accessories



Plastic Mounting Guard #ECVML15BMG

*Light sold separately*

## TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, .08 Amp  |
| LED COUNT           | 4 LEDs   |
| DIMENSIONS          | 2.5" (6.4 cm) L x 1.25" (3.175 cm) W x .88" (2.2 cm) D   |
| MOUNTING            | Surface mount with mounting base, 2" (5.1 cm) centers or mounting guard: 3.875" (9.9 cm) centers |
| CERTIFICATIONS      | SAE J592 certified; FMVSS 108 certified; PC rated and P2 rated                                   |
| WARRANTY            | Five-year  |

# MARKER/CLEARANCE LIGHTS

## 350 Series Marker

### Features

Specially engineered lens to boost light output and brightness

Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

Triangular design with optional stainless steel mounting guard

PC and P2 rated markers are perfect for bus front and rear corner mounting

Includes neoprene gasket, mounting hardware and 5" wire length

Optional stainless steel armored guard



350 Series Marker, Amber

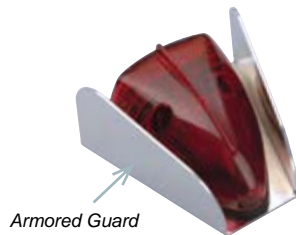
#ECVMLT351Y



350 Series Marker, Red

#ECVMLT351R

### Accessories



Stainless Steel Armored Guard

#ECVMLT35MG

*Light sold separately*

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE | 10-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc, .13 Amp   |
| LED COUNT           | 24 LEDs   |
| DIMENSIONS          | 3.44" (8.75 cm) H x 2.63" (6.7 cm) W x 1.66" (4.2 cm) D                 |
| MOUNTING            | Surface mount on 1.44" (3.66 cm) centers                                |
| CERTIFICATIONS      | SAE J592 and J594 certified; FMVSS 108 certified; PC rated and P2 rated |
| WARRANTY            | Five-year   |

# MARKER/CLEARANCE LIGHTS

## 520 Series Marker

### Features

Specially engineered lens to boost light output and brightness

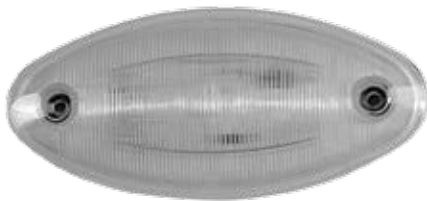
Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

Narrow design sets flush against the vehicle

LED OEM and replacement marker light is designed to fit IC school buses

Includes 6" wire length



520 Series Marker, Clear

#ECVMLDP1W-FA



520 Series Marker, Amber

#ECVMLDP1Y-FA



520 Series Marker, Red

#ECVMLDP1R-FA

### TECHNICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| INPUT VOLTAGE RANGE | 10-16 Vdc   |
| CURRENT DRAW        | 12.8 Vdc, .5 Amp  |
| LED COUNT           | 1 LED   |
| DIMENSIONS          | 5" (12.7 cm) L x 2.31" (5.87 cm) H x .875" (2.225 cm) D |
| MOUNTING            | Surface mount on 3.75" (9.5 cm) centers                 |
| CERTIFICATIONS      | SAE J592 certified; FMVSS 108 certified and P2 rated    |
| WARRANTY            | Five-year   |

# MARKER/CLEARANCE LIGHTS

## 6" Oval Mid-Turn Marker

### Features

Specially engineered reflective optics to boost light output and brightness

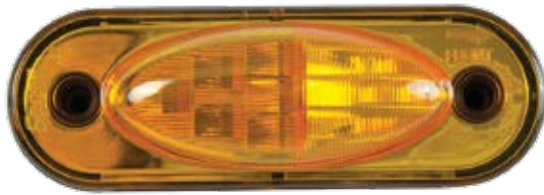
Sonic welded, waterproof construction

Lens with UV inhibitor prevents sun fade

Weatherproof seal with adhered neoprene gasket

Surface Mount may be mounted directly to the body of the vehicle or with optional rubber grommet or metal guard

Includes 8" wire length



6" Oval Mid-Turn Marker  
with Grommet, Amber

#ECVO62MTY-FA

## Accessories



Metal Guard #ECVO61BMG

*Light sold separately*

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | 12.8 Vdc, .11 Amp  |
| LED COUNT           | 5 LEDs   |
| DIMENSIONS          | 6.47" (16.5 cm) L x 2.2" (5.6 cm) H x 1.52" (3.8 cm) D                       |
| MOUNTING            | Surface mount on 4.79" (12.2 cm) centers or recess mount with rubber grommet |
| CERTIFICATIONS      | SAE J592, J2039 certified; FMVSS 108 certified and P2 rated                  |
| WARRANTY            | Five-year  |



# MARKER/CLEARANCE LIGHTS

## Turn Signal Marker

### Features

- Multi-function design offers park/tail/turn functions
- Built-in side reflector/marker on each side of light has 3 bright LEDs
- Universal, curb side or road side models available
- Vertical surface mount light has a two stud mount
- Specially engineered reflective optics to boost light output and brightness
- Sonic welded, waterproof construction
- Lens with UV inhibitor prevents sun fade



Turn Signal Marker, Dual Face, Two Stud Mount,  
Universal Mount, Amber/Amber

#ECV4FPTMA



Turn Signal Marker, Dual Face, Two Stud Mount,  
Curb Side Mount, Amber/Red

#ECV4FPTMK

Road Side Mount, Amber/Red

#ECV5FPTMK

### TECHNICAL SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| INPUT VOLTAGE RANGE            | 10-16 Vdc   |
| CURRENT DRAW                   | 12.8 Vdc; Turn, 0.65 Amp and Tail, 0.12 Amp                         |
| LED COUNT                      | Amber Face, Super 18 LEDs; Red Face, 9 LEDs and Side Marker, 3 LEDs |
| DIMENSIONS                     | 4.72" (12 cm) H x 4.53" (11.5 cm) W x 2.44" (6.2 cm) D              |
| MOUNTING                       | Stud surface mounts on 2.02" (5.1 cm) centers                       |
| CERTIFICATIONS                 |   |
| Universal and Curb Side Mounts | SAE J592, J594 and J1395 certified and FMVSS 108 certified          |
| Road Side Mount                | SAE J587 certified and FMVSS 108 certified                          |
| WARRANTY                       | Two-year  |

# MARKER/CLEARANCE LIGHTS

## 200 Series LED



2" Round LED Marker, with Grommet, Amber  
Includes 6" wire length

#ECVML202Y



2" Round LED Marker, with Grommet, Red  
Includes 6" wire length

#ECVML202R

## 250 Series LED



2.5" Round LED Marker with Grommet, Amber  
Includes 6" wire length

#ECVML252Y



2.5" Round LED Marker with Grommet, Red  
Includes 6" wire length

#ECVML252R

### TECHNICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| INPUT VOLTAGE RANGE | 10-16 Vdc  |
| CURRENT DRAW        | #ECVML202Y: 12.8 Vdc, .03 Amp<br>#ECVML202R: 12.8 Vdc, .07 Amp<br>#ECVML252A: 12.8 Vdc, .03 Amp<br>#ECVML252R: 12.8 Vdc, .07 Amp |
| LED COUNT           | 4 LEDs   |
| DIMENSIONS          | 200 Series: 2"<br>250 Series: 2.5"   |
| CERTIFICATIONS      | FMVSS 108 certified; Sidemarkers Lamp, P2 rated; Clearance, Sidemarkers and LD Lamp, P3 rated; SAE J592 and J2042 certified      |
| WARRANTY            | Five-year  |

# BEACONS

## 3000 Series Strobe

### Features

Lens with UV inhibitor prevents sun fade

Rated to last 20,000+ hours

Advanced circuitry designed tolerate high vibration applications



For personalized product selection, replace (x's) in order number:

**#3 (xx) 7 (x) (x) (x)**

|               |                         |                             |
|---------------|-------------------------|-----------------------------|
| <b>WATTS</b>  | <b>1Ø</b> = 10 Watt     | <b>2Ø</b> = 20 Watt         |
| <b>HEIGHT</b> | <b>L</b> = Low, 4" Dome | <b>H</b> = High, 6" Dome    |
| <b>MOUNT</b>  | <b>C</b> = Flat/Pipe    | <b>M</b> = Magnetic         |
| <b>COLOR</b>  | <b>A</b> = Amber Lens   | <b>C</b> = Clear Lens/White |

## Accessories



Branch Guards (6" shown)  
4" Height **#PESB41BG4**  
6" Height **#PESB41BG6**

*Beacon sold separately*



Dust Cover  
6" Height **#E36ØDC6**  
CA Title 13, Article 22 Compliant

*Beacon sold separately*

## TECHNICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 2 flash patterns, double or quad (user selectable)   |
| TECHNOLOGY            | Xenon Helix Strobe Tube  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 10 watt: 1 amp @ 12 Vdc, 0.5 amp @ 24 Vdc or 20 watt: 2 amps @ 12 Vdc, 1 amp @ 24 Vdc                |
| OPERATING TEMPERATURE | -40° C to 50° C  |
| DIMENSIONS            | 4" Dome with base: 4.75" (12 cm) H<br>6" Dome with base: 6.7" (17 cm) H x 6.3" (16 cm) base diameter |
| MOUNTING              | Permanent or Magnetic mount (polycarbonate lens and black base)                                      |
| CERTIFICATIONS        | SAE J 1318 Class 2 certified and CA Title 13, Article 22 compliant with Dust Cover Accessory         |
| WARRANTY              | Two-year (strobe tube, one-year)   |

# BEACONS

## 4300 Series LED Beacons

### Features

- Flash pattern with 150 rotations per minute
- 36 powerful LEDs provide 360 degrees of advanced optimal light distribution
- Waterproof IP67 and PC Lens to combat dust build-up
- Rugged polycarbonate base
- Advanced Optical Technology exceeds all FMVSS and SAE requirements



- 4" Dome, Clear Lens/White LEDs
- 4" Dome, Amber Lens/Amber LEDs

#ELB43BCLØWC

#ELB43BCLØAA



- 5" Dome, Clear Lens/White LEDs
- 5" Dome, Amber Lens/Amber LEDs

#ELB43BCHØWC

#ELB43BCHØAA

### TECHNICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 3 flash patterns; double, quad and rotating flash patterns  |
| LED COUNT             | High Dome: 36 LEDs<br>Low Dome: 24 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 13 Watts average (low current)  |
| OPERATING TEMPERATURE | -40° C to +65° C  |
| DIMENSIONS            | 5.2" dome with base: (13.2 cm) H, 6.5" (16.5 cm) base diameter<br>3.78" dome with base (9.6 cm) H, 6.5" (16.5 cm) base diameter |
| MOUNTING              | Surface mount   |
| CERTIFICATIONS        | SAE J845 Class 2, ECE R10 and ECE R65 certified   |
| WARRANTY              | Three-year  |

# LICENSE PLATE LIGHTS

## Combo License Plate

### Features

Unique design combining two lights in one; a 4" Stop/Tail/Turn with a built-in white LED license plate light

Same great features as our 4" Round Signal Light

Advanced optical technology exceeds all FMVSS and SAE requirements

Provides weatherproof seal with neoprene gasket

Includes mounting hardware with 8" wire length



4" Round Combo License Plate, Red and White **#ECVR41STTELP-FA**

### TECHNICAL SPECIFICATIONS

|                |   |
|----------------|---|
| INPUT VOLTAGE  | 10-16 Vdc   |
| CURRENT DRAW   | 12.8 Vdc, Stop/Turn with License Plate Light: 0.2 Amp, Tail with License Plate Light: 0.1 Amp |
| LED COUNT      | Stop/Tail/Turn: 13 Red and License: 8 White   |
| DIMENSIONS     | 4.7" (11.9 cm) diameter x 3" (7.6 cm) depth   |
| MOUNTING       | Screw mount   |
| CERTIFICATIONS | SAE J575, J578, J587, J588 and J1395 certified and FMVSS108 certified                         |
| WARRANTY       | Five-year   |

# LICENSE PLATES LIGHTS

## Compact License Plate

### Features

- Specially engineered lens to boost light output and brightness
- Brightly illuminates license plates and bus numbers for easy identification in the dark
- Durable, rustproof black polycarbonate housing complements other bus accessories and lights
- Slim design is less likely to be hit during backup maneuvers
- Sonic welded with waterproof construction
- UV inhibitor lens prevents sun fade
- Includes mounting hardware with 8" wire length



3.5" Compact License Plate, White [#ECVLPBLED](#)

### TECHNICAL SPECIFICATIONS

|                |   |
|----------------|---|
| INPUT VOLTAGE  | 10-16 Vdc   |
| CURRENT DRAW   | 12.8 Vdc: .4 Amp  |
| LED COUNT      | 4 LEDs  |
| DIMENSIONS     | 3.5" (8.9 cm) W x 2.5" H (6.4 cm) x 1.25" (32 cm) D; with rubber gasket: 1.75" (4.4 cm) D |
| MOUNTING       | Surface mount on 2" centers   |
| CERTIFICATIONS | SAE J575, J578, J587 certified and FMVSS108 certified                                     |
| WARRANTY       | Five-year   |

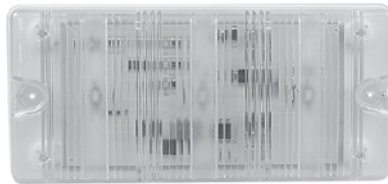


# INTERIOR LED LIGHTS

## Interior Dome LED

### Features

- Exclusive lens design disperses the maximum amount of light
- Great for interior light for overhead lighting on passenger buses
- Durable polycarbonate lens and base is a simple surface mount
- Includes mounting screws for installation and 5" wire length



Universal Dome

#ECVDMLTST2

### Features

- Smaller size and competitively priced
- Great for interior light for overhead lighting on passenger buses
- Easy surface mount with a simple 2-wire electrical connection
- Includes mounting screws for installation and 5" wire length



Universal Dome

#ECVDMLTST4

### TECHNICAL SPECIFICATIONS

|              |               |                                    |
|--------------|---------------|------------------------------------|
| CURRENT DRAW | #ECVDMLTST2   | < 0.65 Amp                         |
|              | #ECVDMLTST4   | < 0.45 Amp                         |
| DIMENSIONS   | #ECVDMLTST2   | 7" (17.78 cm) W x 3.25 (8.25 cm) H |
|              | #ECVDMLTST4   | 6" (15.24 cm) W x 3" (7.62 cm) H   |
| MOUNTING     | Surface mount |                                    |
| WARRANTY     | #ECVDMLTST2   | 5-year                             |
|              | #ECVDMLTST4   | 2-year                             |

# INTERIOR LED LIGHTS

## Interior Strip LED

### Features

Light has a white steel base with a scratch resistant polycarbonate lens  
Specially engineered Fresnel lens to boost light output and brightness



LED Strip, 10-16 Vdc **#ECVCSMLEDF**

LED Strip, 10-30 Vdc **#ECVCSMLEDF-24**

### Features

Streamlined, low Amp draw  
Housing design allows for clean wire management behind light  
Easy installation - make a simple 2-wire electrical connection  
Glossy white powder coated aluminum housing with a polycarbonate lens



| LED 90° Corner Mount Strip | 10-16 Vdc           | 10-30 Vdc              |
|----------------------------|---------------------|------------------------|
| 10" Length                 | <b>#ECVCSLLED1Ø</b> | <b>#ECVCSLLED10-3Ø</b> |
| 21" Length                 | <b>#ECVCSLLED21</b> | <b>#ECVCSLLED21-3Ø</b> |
| 32" Length                 | <b>#ECVCSLLED32</b> | <b>#ECVCSLLED32-3Ø</b> |
| 43" Length                 | <b>#ECVCSLLED43</b> | <b>#ECVCSLLED43-3Ø</b> |

### Features

Specially engineered lens optic directs light away from viewer's eye  
Glossy white powder coated aluminum housing with a polycarbonate lens



| LED Flush Mount Strip | 10-16 Vdc          |
|-----------------------|--------------------|
| 12" Length            | <b>#ECVCLLED12</b> |
| 24" Length            | <b>#ECVCLLED24</b> |
| 36" Length            | <b>#ECVCLLED36</b> |
| 42" Length            | <b>#ECVCLLED42</b> |

## TECHNICAL SPECIFICATIONS

| VOLTAGE      | LED Strip<br>10-16 Vdc or 10-30 Vdc | LED 90° Corner Mount Strip<br>10-16 Vdc or 10-30 Vdc | LED Flush Mount Strip<br>10-16 Vdc or 10-30 Vdc |
|--------------|-------------------------------------|--|---|
| CURRENT DRAW | LED Strip<br>0.4 Amp                | LED 90° Corner Mount Strip<br>0.4 Amp per 12" length | LED Flush Mount Strip<br>0.4 Amp per 12" length |
| WARRANTY     | Five-year                           |  |   |

# WORK LIGHTS

## 500 and 900 Lumen LED Features

Die cast aluminum housing with a black powder coat finish

Offered in a wide flood pattern

Low current draw and efficient heat dispersion

Prewired double insulated cable

Reverse polarity protected

Heavy duty stainless steel adjustable mounting bracket included



500 Lumen LED, Square

**#EWLF0500SBDF0W**



900 Lumen LED, Square

**#EWLF0900SBDF0W**

### TECHNICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERN  | Flood pattern  |
| LED COUNT             | 500 Lumen: 5 LEDs<br>900 Lumen: 9 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 500 Lumen: 1.25 Amps @ 12 Vdc, 0.63 Amps @ 24 Vdc<br>900 Lumen: 2.25 Amps @ 12 Vdc, 1.13 Amps @ 24 Vdc   |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -104° F to +149° F  |
| DIMENSIONS            | 500 Lumen: 4.3" (11 cm) W x 1.6" (4.1 cm) D, Height: 5" (13 cm) (includes bracket)<br>900 Lumen: 4.6" (12 cm) W x 1.9" (4.9 cm) D, Height: 5" (13 cm) (includes bracket) |
| MOUNTING              | Surface mount with U-bracket (included)  |
| WARRANTY              | One-year   |

# WORK LIGHTS

## 700 and 500 Lumen LED

### Features

- Die cast aluminum housing with a black powder coat finish
- PC vacuum coated reflector is weatherproof and intensifies light output
- Offered in a wide flood pattern
- Low current draw and efficient heat dispersion
- Prewired double insulated cable
- Reverse polarity protected
- Heavy duty stainless steel adjustable mounting bracket included



700 Lumen LED, Oval

**#EWLF0700DBDF0W**



500 Lumen LED, Round

**#EWLF0500DBDF0W**

### TECHNICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             | 700 Lumen: 8 LEDs or 500 Lumen: 4 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 700 Lumen: 2 Amps @ 12 Vdc, 1 Amp @ 24 Vdc<br>500 Lumen: 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° to +65° C / -40° to +149° F  |
| DIMENSIONS            | 5.6" (14 cm) D x 2.5" (6.4 cm) Depth, Overall Height: 4.7" (12 cm)<br>(includes bracket)  |
| MOUNTING              | Surface mount with U-bracket (included)   |
| CERTIFICATIONS        | ECE Reg. 10   |
| WARRANTY              | Three-year  |

# WORK LIGHTS

## PAR 36, 1400 and 1000 Lumen LED

### Features

Protection against reverse polarity and load dump

LEDs offer better energy efficiency - uses 75% less energy than sealed beams

Visual clarity - crystal clear polycarbonate lenses with extremely bright, white LEDs illuminate the darkest work areas

Lasts for years with 50 times the lifespan of sealed beam halogens and 10 times that of HID bulbs (30,000+ hours of use)

Includes U-bracket with 20" wire length



#### PAR 36 1400 Lumen LED

Spot Pattern, Round (shown)

**#EWLB1400DBDS0W**

Flood Pattern, Round

**#EWLB1400DBDF0W**

Trapezoid Pattern, Round

**#EWLB1400DBDT0W**



#### PAR 36 1000 Lumen LED

Spot Pattern, Round

**#EWLB1000DBDS0W**

Flood Pattern, Round

**#EWLB1000DBDF0W**

Trapezoid Pattern, Round (shown)

**#EWLB1000DBDT0W**

### TECHNICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS | Flood: 40° H x 25° V, Spot 10° or Trapezoid: 40° H. x 15° V                      |
| LED COUNTS            | 1400: 9 LEDs and 1000: 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc  |
| CURRENT DRAW          | 1400: 2.5 Amps @ 12.8 Vdc and 1000: 1.66 Amps 1400: 2.5 Amps @ 12.8 Vdc          |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) (includes bracket) |
| MOUNTING              | Surface mount with U-bracket (included)  |
| CERTIFICATIONS        | SAE DOT Lens Marking   |
| WARRANTY              | Three-year   |

# BUS LIGHT MONITOR

## Bus Light Monitor

### Features

Patented Technology (US Patent 7046132 B2) - the first bus light monitor to receive a US Patent

Continuously monitors electrical system to detect symptoms of battery or alternator failures before they occur

Direct interchange for existing monitors - allows the retrofit of monitor and LED lights on older buses

The first school bus monitor to monitor all lights by any manufacturer; LED, Halogen and Incandescent technology



Bus Light Monitor

#ECVBSLM01

### TECHNICAL SPECIFICATIONS

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-16 Vdc  |
| CURRENT DRAW  | Warning Lights: 240 mA -14 Amp, Tail Lights: 7.5 mA -3 Amp and Backup Lights: 20 mA -7.5 Amp |
| DIMENSIONS    | 4.3" (10.9 cm) H x 6.6" (16.75 cm) W x 1.25" (3.2 cm) D                                      |
| MOUNTING      | Surface mount on 4.375" (11.1 cm) centers  |
| WARRANTY      | 5-year   |



# 4.5" ROUND STEPWELL LIGHT

## 4.5" Round LED Stepwell Light

### Features

Provides excellent lighting at the entrance of buses and wheelchair lifts to illuminate the steps

Specially engineered Fresnel lens to boost light output and brightness

Easy retrofit for incandescent lights as it fits existing drill holes

Durable and shatter resistant clear polycarbonate lens has UV inhibitor to prevent discoloration

Excellent heat dispersion – lens stays cool to the touch

Sonic welded, waterproof construction

Weatherproof seal with adhered neoprene gasket

Includes mounting screws with 6.5" wire length



4.5" Round LED Stepwell Light

#ECVSWLTST

### TECHNICAL SPECIFICATIONS

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-30 Vdc  |
| CURRENT DRAW  | 12.8 Vdc: .3 Amp @ 25.8 Vdc: .15 Amp                         |
| LED COUNT     | 1 LED  |
| DIMENSIONS    | 4.48" (11.4 cm) Diameter x 1.20" (3.0 cm) Depth              |
| MOUNTING      | Surface Mount - fits existing incandescent light drill holes |
| WARRANTY      | 5-year   |

# 4" LED CURB/ENTRY LIGHT

## 4" LED Curb/Entry Light

### Features

- Specially engineered Fresnel lens to boost light output and brightness
- Durable e-coated metal housing in an attractive black finish complements bus accessories and lights
- Sonic welded, waterproof construction for exterior or interior use
- Lens with UV inhibitor prevents sun fade and discoloration
- Light includes neoprene gasket to create a tight, waterproof seal
- Includes mounting screws with 6.5" wire length



Curb/Entry Light (no connector)

#ECVCBLTST

### TECHNICAL SPECIFICATIONS

|               |  |   |
|---------------|--|---|
| INPUT VOLTAGE | 10-30 Vdc  |   |
| CURRENT DRAW  | Standard<br>12.8 Vdc, .3 Amp                         | Delphie Weather Pack<br>25.8 Vdc, .15 Amp |
| LED COUNT     | 1 LED  |   |
| DIMENSIONS    | 4" (10.2 cm) W x 2.74" (7.0 cm) H x 1.27" (3.2 cm) D |   |
| MOUNTING      | Surface mount on 3.09" (7.8 cm) centers              |   |
| CERTIFICATION | IP67   |   |
| WARRANTY      | 5-year   |   |

# BUS STOP ARM

## Bus Stop Arm Retrofit LED Lighting Kit

### Features

LED lighting design provides years of maintenance-free service

Increased visibility

Decreases passing violations

More cost-effective than traditional units

Installs in minutes

Kit consists of four 12-LED lights, mounting screws and harness



Bus Stop Arm Retrofit LED Lighting Kit (lights only)

**#ECVR12SAK**

### TECHNICAL SPECIFICATIONS

|                |   |
|----------------|---|
| INPUT VOLTAGE  | 9-16 Vdc  |
| CURRENT DRAW   | 12.8 Vdc, .5 Amp  |
| FLASH PATTERN  | 3 flash patterns available (single, double and intercycle)                          |
| MOUNTING       | Double-sided flush mount to existing, standard electric and pneumatic bus stop arms |
| CERTIFICATIONS | SAE J576, J578, J759, J1133 certified and FMVSS 131 certified                       |
| WARRANTY       | 2-year  |



PRODUCT CATALOG

# AMBER safety

Lightbars

Directional Warning

Perimeter Lighting

OEM Solutions

Electronics

Interior Lighting

Beacons

Work Area Lighting



# Smart Design.





Creating  
**safe**  
Work Environments.



For over 24 years, SoundOff Signal has provided  
**innovative**  
vehicle safety solutions for the markets we serve.

Our rich history **commitment** to our customers,  
and problem-solving **design** have resulted in an organization  
that delivers products and services you can **trust**.



# Lightbars

EXTERIOR

INTERIOR WINDSHIELD

MINI

**Additional nFORCE Products:** Exterior Traffic Controller, 21; Interior Traffic Controller, 22; Surface Mounts, 33; FIT Surface Mount, 37; Deck/Grille Mounts, 49; FIT Deck/Grille Mount, 51; Recess Mount, 55; FIT Recess Mount, 57; 6" Oval Recess Mount, 58 and Windshield Lights, 61.

**Additional LED3 Products:** Mini and Spot Surface Mounts, 45.



## Features

- > Modules can be configured as single, dual or tri-color for maximum functionality
- > Inboard modules are available in single color 6 or 9 LEDs, dual color 12 LEDs or tri-color 18 LEDs
- > Corner modules are offered in single color 12 or 18 LEDs, dual color 24 LEDs or tri-color 30 LEDs
- > Lightbars with multi-color modules (dual or tri-color) that include white LED's are capable of providing a full 360 degrees of intense scene lighting
- > Discrete rear-arrow control modules can be combined with warning colors for maximum functionality
- > Dedicated 6 LED takedowns and 3 LED alley lights are optional
- > Takedown modules can be designated anywhere on the lightbar
- > Windows based PC application simplifies programming and enhances configurability and control
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to lightbar functions
- > Other user configurable options include: cruise mode, front/rear/corner cutoff inputs, nighttime manual dimming, 32 programmable flash patterns, steady burn and stop/tail/turn
- > Pre-emption modules available
- > Auto dimming feature available (not available for the 24" size)



## Exterior Full Size LED Lightbar



#ENFLB

### Technical Specifications

|  |   |   |
|--|---|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module:   | 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp  |
|  | Corner Module:  | 12 LED Single Color: < 2.0 Amps<br>18 LED Single Color: < 3.0 Amps<br>24 LED Dual Color: < 2.0 Amps<br>30 LED Tri Color: < 2.0 Amps   |
|  | Takedown:   | 6 LED Single Color: < 1.0 Amp   |
|  | Alley:  | 3 LED Single Color: < 0.5 Amps  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:   | 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts   |
|  | Corner Module:  | 12 LED Single Color: < 12.8 Watts<br>18 LED Single Color: < 19.2 Watts<br>24 LED Dual Color: < 12.8 Watts<br>30 LED Tri Color: < 12.8 Watts                                       |
|  | Takedown:   | 6 LED: < 12.8 Watts   |
|  | Alley:  | 3 LED: < 6.4 Watts  |
| FLASH PATTERNS                                     | Warning: 66<br>Takedown/Alley: 25<br>Arrow L/C/R: 11  |   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |   |
| DIMENSIONS   |   |   |
|  | Length  | 2 Module: 24" (61 cm)<br>4 Module: 36" (91 cm)<br>5 Module: 42" (107 cm)<br>6 Module: 48" (122 cm)<br>7 Module: 54" (137 cm)<br>8 Module: 60" (152 cm)<br>10 Module: 72" (183 cm) |
|  | Height  | All modules: lightbar only, 2.55" (6.5 cm)  |
|  | Depth   | All modules: 12" (31 cm)  |
| MOUNTS   | Standard hook bracket mount with angle adjustment wedges<br>Headache rack mount   |   |
| CERTIFICATIONS                                     | SAE J845, J595 Class 1 certified; California Title 13, Class B certified; ECE R65 Category T, Class 2 certified (red/blue only) and EMC/ECE R10-4 certified |   |
| WARRANTY   | Five-year   |   |

stealth design



## ACCESSORIES auto dim retro fit kit: driver side

Includes Auto Dim Sensor Board, Harnesses, Mounting Hardware and Top Cover  
(Graphite cover shown)

Graphite Lexan Cover  
Blue Lexan Cover  
Red Lexan Cover  
Amber Lexan Cover

**#PNFLBTRDRLGY**  
**#PNFLBTRDRLBL**  
**#PNFLBTRDRLRD**  
**#PNFLBTRDRLYL**





## Exterior Full Size LED Lightbar



#EPX3000

### Features

- > Streamlined design with unique “wing” shape that was wind tunnel tested and showed the lowest drag with no added lift force to the vehicle with additional benefits of fuel savings and better vehicle handling
- > Our thinnest lightbar with a slim inboard module of just 1.6” (4.064 cm) tall, optimized optic height for maximum photometric impact
- > 180 degree scene light option uses alley lights and strategically placed wide angle takedown lights
- > New inboard optic features striations on the lenses to bend the light for extreme off angle visibility
- > Alley light design is positioned at just the right angle for advanced side viewing while operating the vehicle
- > Clear or color lenses in blue, red or amber
- > Dimming capability
- > Optional 12 wire discrete harness allows operation without breakout box (10-30 vdc)
- > Exclusive, aerodynamic shape is designed to reduce fuel consumption. Wing shape glides through the air

### Technical Specifications

|  |  |
|--|--|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc or 10-30 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Corner Module: 12 LED Single Color: < 2.0 Amps<br>Takedown: 6 LED Single Color: < 1.0 Amp<br>Alley: 4 LED Single Color: < 0.5 Amps            |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Corner Module: 12 LED Single Color: < 12.8 Watts<br>Takedown: 6 LED: < 12.8 Watts<br>Alley: 4 LED: < 6.4 Watts                              |
| FLASH PATTERNS                                     | Warning: 21<br>Takedown/Work Lights: 5<br>Alley: 5<br>Arrow L/C/R: 4 (10-30 Vdc, break-out box only)   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS   |  |
| Length   | 4 Module: 36" (91 cm)<br>5 Module: 43" (109 cm)<br>6 Module: 50" (122 cm)<br>7 Module: 56.5" (145 cm)<br>8 Module: 63" (160 cm)<br>9 Module: 70" (178 cm)<br>10 Module: 76" (193 cm)                   |
| Height   | All modules: Inboard: 1.6" (4.064 cm) and corner: 2" (5.08 cm)   |
| Depth  | All modules: 11.25" (29 cm)  |
| MOUNTS   | Headache bracket or low profile fixed bracket  |
| CERTIFICATIONS                                     | SAE J845, and J595 Class 1 certified; Article 22, CA Title 13 compliant; ECE R65 Category T: Class 1 certified (for amber, blue and red; 10-16 Vdc only) and 72/245/EEC EMC certified (10-16 Vdc only) |
| WARRANTY   | Five-year  |

fuel saving design







## Exterior Full Size LED Lightbar



#EPL90000

### Features

- > Innovative optics design, "Fusion Technology", the first optics designed like a lighthouse to boost the light farther and wider for a brighter, safer warning signal
- > Fusion Boost option
- > Streamlined, modular design is easy to maintain with field replaceable modules that are easily upgradable
- > 6 or 12 LED dual color arrow option available
- > Clear or color lenses in blue, red or amber
- > Dimming capability

### Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.0 Amp<br>Corner Module: 12 LED Single Color: < 2.0 Amps<br>Takedown: 6 LED: < 1.0 Amp<br>Alley: 1 LED: < 0.5 Amps           |
| NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>12 LED Dual Color: < 6.4 Watts<br>Corner Module: 12 LED Single Color: < 12.8 Watts<br>Takedown: 6 LED: < 12.8 Watts<br>Alley: 1 LED: < 6.4 Watts |
| FLASH PATTERNS                                     | Warning: 21<br>Takedown: 5<br>Alley: 5<br>Arrow L/C/R: 4<br>Arrow Warning: Solid 9 and Split 17   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS   |   |
| Length   | 4 Module: 36" (91 cm)<br>5 Module: 42" (107 cm)<br>6 Module: 48" (122 cm)<br>7 Module: 54" (137 cm)<br>8 Module: 60" (152 cm)<br>9 Module: 72" (183 cm)   |
| Height:  | All modules: Inboard: 1.75" (4.45 cm) and corner: 2.5" (6.35 cm)  |
| Depth:   | All modules: 10" (25 cm)  |
| MOUNTS   | Adjustable<br>Headache<br>Low Profile Fixed Bracket   |
| CERTIFICATIONS                                     | SAE J845, J595 Class 1 certified and Article 22, CA Title 13  |
| WARRANTY   | Five-year   |

stream-lined design







## Exterior Full Size LED Lightbar



#EMG2000

### Features

- > Available in clear and amber lenses
- > A color lens versus a clear lens can provide additional purpose identification for emergency vehicles
- > 6 LED inboard modules deliver Fusion Boost technology for extreme brightness
- > 3 LED inboard modules designed with a new Turbo Optic to deliver maximum intensity at an affordable price
- > 6 or 12 LED corner modules
- > Low profile design
- > Cruise mode option
- > Replaceable outer lens
- > Dimming capability
- > Optional rear stop/turn modules available
- > Optional 12 wire discrete harness allows operation without break-out box (10-30 Vdc only)
- > Direct connect optional

### Technical Specifications

|  |   |  |
|--|---|--|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc or 10-30 Vdc  |  |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module:   | 3 LED Single Color: < 0.5 Amps<br>6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.0 Amp      |
|  | Corner Module:  | 6 LED Single Color: < 1.0 Amp<br>12 LED Dual Color: < 1.6 Amps                                       |
|  | Takedown:   | 3 LED: < 0.42 Amps<br>6 LED: < 0.84 Amps<br>9 LED: < 1.26 Amps                                       |
|  | Alley:  | 3 LED: < 0.42 Amps   |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:   | 3 LED Single Color: < 3.2 Watts<br>6 LED Single Color: < 6.4 Watts<br>12 LED Dual Color: < 6.4 Watts |
|  | Corner Module:  | 6 LED Single Color: < 6.4 Watts<br>12 LED Single Color: < 10.2 Watts                                 |
|  | Takedown:   | 3 LED: < 2.7 Watts<br>6 LED: < 5.4 Watts<br>9 LED: < 8.1 Watts                                       |
|  | Alley:  | 3 LED: < 2.7 Watts   |
| FLASH PATTERNS                                     | Warning: 21<br>Takedown: 5<br>Alley: 5<br>Arrow L/C/R: 4<br>Arrow Warning: Solid 9 and Split 17   |  |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F  |  |
| DIMENSIONS   |   |  |
| Length:  | 2 Module: 23" (58.4 cm)   | 7 Module: 54" (137 cm)   |
|  | 4 Module: 35.5" (90.2cm)  | 8 Module: 60.5" (153.7 cm)   |
|  | 5 Module: 42" (106 cm);   | 10 Module: 73" (185.4 cm)  |
|  | 6 Module: 48" (12.9 cm)   |  |
| Height:  | All modules: 2.3" (5.8 cm)  |  |
| Depth:   | All modules: 12.3" (31.2 cm)  |  |
| MOUNTS   | Headache<br>Low Profile Fixed Bracket   |  |
| OPTIONS  | Rear Split Arrow: available with 6 or 12 LED Dual Color Modules   |  |
| CERTIFICATIONS                                     | SAE J845 and J595 Class 1 certified; Article 22, CA Title 13 compliant; ECE R10-4 EMC certified; ECE R65 Category T, Class 1 certified for amber and ECE R65 Category T, Class 2 certified for red/blue |  |
| WARRANTY   | Five-year   |  |

turbo optic



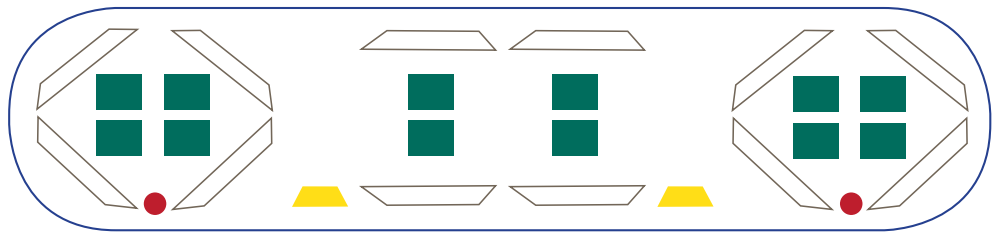


## Exterior Full Size Lightbar



#ESF1000

Pre-configured 60" LED Tow Bar #ESF1K60AWLSTC



● = Inboard Modules    ● = Work Lights    ● = Rear STT Modules

### Features

- > Strategically positioned 40° module placement on the end caps provide an optimum level of off angle performance - critically important at dangerous intersections
- > Uninterrupted signal across the entire length - work light and takedown modules are mounted below the warning modules for a full signal
- > Work light optics angled down 8° to clearly illuminate the rear work area or last 8 feet of a tow truck bed for better visibility for those working night shifts or during inclement weather
- > Field configurable - outer dome is easy to remove and modules can be quickly changed out if needed
- > Aluminum bottom extrusion

### Technical Specifications

|  |  |
|--|--|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc  |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Corner Module: 12 LED: < 2.0 Amps<br>Takedown: 6 LED: < 1.0 Amp                                 |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Corner Module: 6 LED Single Color: < 6.4 Watts<br>Takedown: 6 LED: < 6.4 Watts<br>Alley: None |
| FLASH PATTERNS                                     | Warning: 27<br>Takedown: Steady Burn<br>Worklights: Steady Burn  |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS   |  |
| Length:  | 48" (12.9 cm)<br>55" (140 cm)<br>60" (152 cm)  |
| Height:  | All lengths: 3" (7.62 cm)  |
| Depth:   | All lengths: 11.25" (28.6 cm)  |
| MOUNTS   | Headache<br>Low Profile Fixed Bracket<br>Flat Mount hardware   |
| CERTIFICATIONS                                     | SAE J845 Class 1 and J575 Class 1 certified  |
| WARRANTY   | Five-year  |



off angle performance





## Features

- > Modules are offered in single color 6 or 9 LEDs, dual color 12 LEDs or tri-color 18 LEDs.
- > Several specific models for all leading sedans and trucks (sedans and trucks for the windshield lightbar)
- > Windows based PC application simplified programming and enhances configurability and control
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with “plug and play” RJ45 capability; saves configuration time and enhances configurability by directly mapping siren buttons to lightbar functions
- > Other user configurable options available include cruise mode, nighttime manual dimming, 34 programmable flash patterns and steady burn
- > Takedown modules can be designated anywhere on the lightbar
- > Universal model with adjustable mounting brackets accommodate most windshield angles for even broader vehicle compatibility

## Interior Windshield Lightbar



Windshield Split, Two-piece (shown)

#ENFWBFS

Windshield Full, One-piece

#ENFWBFF

### Technical Specifications

|  |   |   |
|--|---|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module:   | 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp        |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module:   | 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts |
|  | Takedown:   | 6 LED: < 12.8 Watts   |
| FLASH PATTERNS                                     | Warning: 34<br>Arrow L/C/R: 8   |   |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F                                  |   |
| DIMENSIONS   | Universal (each side): 20" (51 cm) L x 1" (2.5 cm) H x 7.5" (19 cm) D |   |
| CERTIFICATIONS                                     | SAE J845 Class 1 certified  |   |
| WARRANTY   | Five-year   |   |



## Interior Windshield Lightbar



Windshield #EPL8000WS

### Features

- > Built with our exclusive "Fusion Technology" optics to disperse an even distribution of light with a super wide angle output
- > Custom ordered for your vehicle in blue, red, green, white or amber LEDs
- > Lower profile than competing lightbars with less overall windshield obstruction and smaller footprint
- > Many vehicle specific models for SUVs, trucks and sedans
- > Universal model with adjustable mounting brackets accommodate most windshield angles for even greater compatibility with different vehicle models and years
- > Up to 2 LED take down modules can be designated in your choice of position on the lightbar
- > Universal model has 2 positions that can be designated for takedowns

### Technical Specifications

|  |  |
|--|--|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc  |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | Inboard Warning Module: 6 LED Single Color: < 1.0 Amp<br>Takedown: 9 LED Single Color: < 1.0 Amp |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | Inboard Warning Module: 6 LED Single Color: < 6.4 Watts<br>Takedown: 6 LED: < 6.4 Watts          |
| FLASH PATTERNS                                     | Standard Warning<br>36 flash patterns<br>Takedown: 9 flash patterns                              |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS   | Universal (each side): 20" (51 cm) L x 1" (2.5 cm) H x 7.5" (19 cm) D                            |
| MOUNT  | Universal Bracket model with adjustable mounting or vehicle specific                             |
| WARRANTY   | Five-year  |





## Mini Lightbars: EPL7000



#EPL7000

### Clear Dome, 4 Module

Magnetic with Cig Plug  
Standard Permanent  
High Height Permanent

#EPL7M+(x)C  
#EPL7PD(x)C  
#EPL7HD(x)C

### Clear Dome, 4 Module (25 foot cable)

Standard Permanent  
High Height Permanent

#EPL7PF(x)C  
#EPL7HF(x)C

### Amber Dome, Amber LEDs, 4 Module

Magnetic with Cigar Plug  
Standard Permanent  
High Height Permanent

#EPL7M+AA  
#EPL7PDAA  
#EPL7HDAA

### Amber Dome, 4 Module (25 foot cable)

Standard Permanent  
High Height Permanent

#EPL7PFAA  
#EPL7HFAA

### Replace (x) in the Order Number for Color Selection

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Solid Colors: A= <span style="color: yellow;">■</span> B= <span style="color: blue;">■</span> G= <span style="color: green;">■</span> R= <span style="color: red;">■</span> W= <span style="color: white;">■</span>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dual/Split Colors: D= <span style="color: red;">■</span> <span style="color: white;">■</span> E= <span style="color: blue;">■</span> <span style="color: white;">■</span> F= <span style="color: yellow;">■</span> <span style="color: white;">■</span> H= <span style="color: green;">■</span> <span style="color: white;">■</span> J= <span style="color: red;">■</span> <span style="color: blue;">■</span> K= <span style="color: red;">■</span> <span style="color: yellow;">■</span> L= <span style="color: red;">■</span> <span style="color: green;">■</span> M= <span style="color: blue;">■</span> <span style="color: yellow;">■</span> N= <span style="color: blue;">■</span> <span style="color: green;">■</span> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P= <span style="color: green;">■</span> <span style="color: yellow;">■</span>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

### Technical Specifications

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc   |
| CURRENT DRAW          | 2 Amps average @ 12.8 Vdc   |
| LED COUNT             | 24 LEDs   |
| FLASH PATTERNS        | 28 flash patterns   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 14.16" (36 cm) L x 8.27" (21 cm) W x 1.90" (4.8 cm) H   |
| MOUNTS                | Magnetic: 2.97" (7.5 cm) Overall height, 0.87" (2.2 cm) clearance<br>Low Permanent: 2.28" (5.8 cm) Overall height 0.38" (1.0 cm) clearance<br>High Permanent: 4.25" (10.8 cm) Overall height 2.35" (6.0 cm) clearance |
| CERTIFICATIONS        | SAE J845 Class 1 certified (blue and red solid colors only)   |
| WARRANTY              | Five-year   |

### Features

- > Magnetic mount has cig plug with 2-button switch panel (on, off and flash pattern advance)
  - Red LED indicator light and 10' cord length
  - 4 extra strong magnets each with an 85 pound pull each to prevent the lightbar from slipping or moving
- > Permanent mount with 12' cable with bare wires for hard wire installation
- > Fusion II Technology - optic for a bright, extra wide output
- > Non-volatile memory - recalls last flash pattern used
- > Class 1 certified for blue and red solid colors



## Mini Lightbars: EPL7100



#EPL7100

### Permanent Mount, 4 Module

| LED Color   | Dome Color |            |
|-------------|------------|------------|
| Amber       | Amber      | #EPL71PDAA |
| Amber       | Clear      | #EPL71PDAC |
| Amber/White | Clear      | #EPL71PDFC |
| Red/Amber   | Clear      | #EPL71PDKC |
| Blue/Amber  | Clear      | #EPL71PDMC |

### Magnetic Mount, 4 Module

| LED Color   | Dome Color |            |
|-------------|------------|------------|
| Amber       | Amber      | #EPL71M+AA |
| Amber       | Clear      | #EPL71M+AC |
| Amber/White | Clear      | #EPL71M+FC |
| Red/Amber   | Clear      | #EPL71M+KC |
| Blue/Amber  | Clear      | #EPL71M+MC |

## Features

- > Magnetic mount has cig plug with 2-button switch panel (on, off and flash pattern advance)
  - Red LED indicator light and 10' cord length
  - 4 extra strong magnets each with an 85 pound pull each to prevent the lightbar from slipping or moving
- > Permanent mount with 12' cable with bare wires for hard wire installation
- > Fusion II Technology - optic for a bright, extra wide output
- > Non-volatile memory - recalls last flash pattern used
- > Class 1 certified for amber color

## Technical Specifications

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc   |
| CURRENT DRAW          | 2 Amps average @ 12.8 Vdc   |
| LED COUNT             | 24 LEDs   |
| FLASH PATTERNS        | 28 flash patterns   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 14.16" (36 cm) L x 8.27" (21 cm) W x 1.90" (4.8 cm) H   |
| MOUNTS                | Magnetic: 2.97" (7.5 cm) Overall height, 0.87" (2.2 cm) clearance<br>Low Permanent: 2.28" (5.8 cm) Overall height 0.38" (1.0 cm) clearance<br>High Permanent: 4.25" (10.8 cm) Overall height 2.35" (6.0 cm) clearance |
| CERTIFICATIONS        | SAE J845 Class 1 certified (amber solid color only)   |
| WARRANTY              | Five-year   |



## Mini Lightbar



Magnetic Mount, 10-16 Vdc  
Permanent Mount, 10-16 Vdc  
Magnetic Mount, 10-30 Vdc  
Permanent Mount, 10-30 Vdc

#EL3MBM+(x)C  
#EL3MBPD(x)C  
#EL3MBM3Ø+(x)C  
#EL3MBP3ØD(x)C

Replace (x) in the Order Number for Color Selection

Solid Colors: A= B= G= R= W=   
Dual/Split Colors: D= E= F= H= J= K= L= M= N= P=

### Technical Specifications

|                       |  |
|-----------------------|--|
| INPUT VOLTAGE RANGE   | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | 2.5 Amps @ 12.8 Vdc  |
| LED COUNT             | 30 LEDs  |
| FLASH PATTERNS        | 24 flash patterns  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 14.16" (36 cm) L x 8.27" (21 cm) W x 1.90" (4.8 cm) H  |
| MOUNTS                | Magnetic: 2.97" (7.5 cm) Overall height, 0.87" (2.2 cm) clearance<br>Permanent: 2.28" (5.8 cm) Overall height 0.38" (1.0 cm) clearance |
| CERTIFICATIONS        | Title 13, SAE Class 1 certified  |
| WARRANTY              | Five-year  |

### Features

- > 10 powerful LED3 modules totaling 30 LEDs
- > Magnetic mount includes 12 volt DC plug with 2-button switch panel for on, off and flash pattern advance with red LED indicator light and 10' cord length
- > Magnetic mount features 4 extra strong magnets - each with 85 lb. pull to prevent the lightbar from slipping or moving
- > Permanent mount includes 12' cable with bare wires for hard wire installation
- > Non-volatile memory recalls last flash pattern used at power up
- > Clear outer dome with solid or split LED colors

non-volatile memory



# Directional Warning







# Directional Warning

EXTERIOR  
TRAFFIC CONTROLLER

INTERIOR  
TRAFFIC CONTROLLER

EXTERIOR BARS

INTERIOR BAR

**Additional nFORCE Products:** Exterior Lightbar, 3; Interior Windshield Lightbar, 13; Surface Mounts, 33; FIT Surface Mount, 37; Deck/Grille Mounts, 49; FIT Deck/Grille Mount, 51; Recess Mount, 55; FIT Recess Mount, 57; 6" Oval Recess Mount, 58 and Windshield Lights, 61.

**Additional UltraLITE Product:** Interior Windshield Lights, 63.





## Features

- > Designed and tested to withstand tough working applications and extreme weather environments
- > Modules can be specified in any combination of single color 6 or 9 LED, dual color 12 LED or tri-color 18 LED counts
- > Modules that utilize white LEDs can be specified as takedown, work lights or flood lighting
- > Designed for exterior usage
  - Manual dimming capability for nighttime use
- > Cruise mode
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to traffic controller functions
- > Standard "L" shaped mounting brackets are included

## Exterior Traffic Controller



4 Module **#ENFTCDXS1204**



6 Module **#ENFTCDXS1206**



8 Module **#ENFTCDXS1208**



Aluminum Endcap

## Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module: 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | LED Module: 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts<br>Takedown: 6 LED: < 12.8 Watt |
| FLASH PATTERNS                                     | Warning 34 and Arrow 8  |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to + 149° F   |
| DIMENSIONS   | Length: 4 Module: 19" (48.3 cm)<br>6 Module: 26.7" (67.8 cm)<br>8 Module: 35.5" (90 cm)<br>Height: All modules: 1.9" (4.7 cm)<br>Depth: All modules: 2.47" (6.3 cm)               |
| CERTIFICATION                                      | SAE J845 Class 1 certified  |
| WARRANTY   | Five-year   |



## Interior Traffic Controller



4 Module

#ENFTCDGS1204



6 Module

#ENFTCDGS1206



8 Module

#ENFTCDGS1208



## Features

- > Modules can be specified in any combination of single color 6 or 9 LED, dual color 12 LED or tri-color 18 LED counts
- > Modules that utilize white LEDs can be specified as takedown, work lights or flood lighting
- > Designed for exterior usage
  - Manual dimming capability for nighttime use
- > Cruise mode
- > Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to traffic controller functions
- > Standard "L" shaped mounting brackets are included

## Technical Specifications

|  |   |
|--|---|
| INPUT VOLTAGE RANGE                                | 10-16 Vdc   |
| NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc | LED Module: 6 LED Single Color: < 1.0 Amp<br>9 LED Single Color: < 1.5 Amps<br>12 LED Dual Color: < 1.0 Amp<br>18 LED Tri-Color: < 1.0 Amp  |
| NUMBER OF LEDs AND MAXIMUM WATTAGE @ 12.8 Vdc      | LED Module: 6 LED Single Color: < 6.4 Watts<br>9 LED Single Color: < 9.6 Watts<br>12 LED Dual Color: < 6.4 Watts<br>18 LED Tri-Color: < 6.4 Watts<br>Takedown: 6 LED: < 12.8 Watt |
| FLASH PATTERNS                                     | Warning 34 and Arrow 8  |
| OPERATING TEMPERATURE                              | -40° C to +65° C / -40° F to + 149° F   |
| DIMENSIONS   | Length: 4 Module: 19" (48.3 cm)<br>6 Module: 26.7" (67.8 cm)<br>8 Module: 35.5" (90 cm)<br>Height: All modules: 1.9" (4.7 cm)<br>Depth: All modules: 2.47" (6.3 cm)               |
| CERTIFICATION                                      | SAE J845 Class 1 certified  |
| WARRANTY   | Five-year   |



## Features

- > Intense warning power provides a distinct safety advantage
- > Each module has 3 very bright, high bin LEDs for better reliability and performance
- > Sealed for exterior weatherability
- > Custom color configurations offered for exterior 2, 4, 8 or 12 module bars
- > 8 and 12 module warning bars can be programmed to flash three separate warning patterns controlled by discrete input wires
- > Compatible with our directional arrow switch+, part number ETSWDASØ1
- > Includes adjustable height universal "L"-brackets (pair) for dash/deck or headliner mounts

## Exterior LED Directional Warning Bars



### 2 Module

10-16 Vdc

10-30 Vdc

#EL3DØ2AØØ(x)

#EL3DØ2AØØ(x)-24



### 4 Module

10-16 Vdc

10-30 Vdc

#EL3DØ4AØØ(x)

#EL3DØ4AØØ(x)-24



### 8 Module, Solid or Split

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3DØ8AØØ(x)

#EL3DØ8AØØ(x)-24

#EL3DØ8AØØL(x)-24

### 8 Module, Single Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3DØ8A1Ø(x)

#EL3DØ8A1Ø(x)-24

#EL3DØ8A1L(x)-24

### 8 Module, Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

10-30 Vdc

#EL3DØ8B1Ø(x)

#EL3DØ8B1Ø(x)-24



### 12 Module, Solid or Split

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12AØØ(x)

#EL3D12AØØ(x)-24

#EL3D12AØL(x)-24

### 12 Module, Single Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12A1Ø(x)

#EL3D12A1Ø(x)-24

#EL3D12A1L(x)-24

### 12 Module, Dual Warning Ends, Amber Center

10-16 Vdc

10-30 Vdc

10-30 Vdc with 50' Cable

#EL3D12A2Ø(x)

#EL3D12A2Ø(x)-24

#EL3D12A2L(x)-24

## 12 Module, Independent Warning Ends, Amber Center (ends flash independently from arrow)

10-16 Vdc, Single Warning Ends

#EL3D12B1Ø(x)

10-30 Vdc, Single Warning Ends

#EL3D12B1Ø(x)-24

10-16 Vdc, Dual Warning Ends

#EL3D12B2Ø(x)








10-30 Vdc, Dual Warning Ends

#EL3D12B2Ø(x)-24

Replace (x) in the Order Number for Color Selection

Solid Colors: A=  B=  G=  R=  W= 

Dual Colors: A=  B=  D=  E=  F=  G=  H=  J= 

K=  L=  M=  N=  P=  R=  W= 

## Technical Specifications

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | < 1 Amp per module  |
| LED COUNT             | 2 Module: 6 LEDs<br>4 Module: 12 LEDs<br>8 Module: 24 LEDs<br>12 Module: 36 LEDs  |
| FLASH PATTERNS        | 2 Module: 33 flash patterns<br>4 Module: 21 flash patterns<br>8 Module: 12 to 20 flash patterns (configuration dependent)<br>12 Module: 12 to 20 flash patterns (configuration dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Length: 2 Module: 6.9" (18 cm)<br>4 Module: 13.25" (34 cm)<br>8 Module: 26" (66 cm)<br>12 Module: 38.75" (98 cm)<br>Height: All modules: 1.5" (3.8 cm)<br>Depth: All modules: 1.5" (3.8 cm) |
| CERTIFICATIONS        | SAE J595 Class 1 certified and Article 22: CA Title 13 compliant  |
| WARRANTY              | Five-year   |

## ACCESSORIES

# visors

Light not included.

- a. Chevrolet Tahoe, pair
- b. Chevrolet Impala, pair
- c. Dodge Charger, single

#PUL3MØ2

#PUL3MØ3

#PUL3MØ4





## Interior LED Directional Warning Bars



### 4 Module , Solid or Split

10-16 Vdc

#EL3H04A00(x)



### 8 Module, Solid or Split

10-16 Vdc

#EL3H08A00(x)

### 8 Module, Single Warning Ends, Amber Center

10-16 Vdc

#EL3H08A10(x)

### 8 Module, Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H08B10(x)



### 12 Module, Solid or Split

10-16 Vdc

#EL3H12A00(x)

### 12 Module, Single Warning Ends, Amber Center

10-16 Vdc

#EL3H12A10(x)

### 12 Module, Dual Warning Ends, Amber Center

10-16 Vdc

#EL3H12B10(x)

### 12 Module, Single Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H12B10(x)

### 12 Module, Dual Independent Warning Ends, Amber Center

(ends flash independently from arrow)

10-16 Vdc

#EL3H12B20(x)

## Technical Specifications

|                       |   |
|-----------------------|---|
| INPUT VOLTAGE RANGE   | 10-16 Vdc   |
| CURRENT DRAW          | < 1 Amp per module  |
| LED COUNT             | 4 Module: 12 LEDs<br>8 Module: 24 LEDs<br>12 Module: 36 LEDs  |
| FLASH PATTERNS        | 4 Module: 21 flash patterns<br>8 Module: 12 to 20 flash patterns (configuration dependent)<br>12 Module: 12 to 20 flash patterns (configuration dependent)        |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Length: 4 Module: 13.25" (34 cm)<br>8 Module: 26" (66 cm)<br>12 Module: 38.75" (98 cm)<br>Height: All modules: 1.5" (3.8 cm)<br>Depth: All modules: 1.5" (3.8 cm) |
| CERTIFICATIONS        | SAE J595 Class 1 certified and Article 22: CA Title 13 compliant  |
| WARRANTY              | Five-year   |








## Features

- > Intense warning power provides a distinct safety advantage
- > Each module has 3 very bright, high bin LEDs for better reliability and performance
- > Slim, narrow design is perfect for headliner, dash/windshield and rear deck mounts in all types of vehicles
- > Program up to 3 warning patterns on the 8 and 12 module dual/split color bars
- > 8 and 12 module warning bars can be programmed to flash three separate warning patterns controlled by discrete input wires
- > Compatible with our directional arrow switch (#ETSWDAS01)
- > Includes adjustable height universal "L" brackets (pair) for dash/deck or headliner mounts

Replace (x) in the Order Number for Color Selection

Solid Colors: A=  B=  G=  R=  W= 

Dual Colors: A=  B=  D=  E=  F=  G=  H=  J= 

K=  L=  M=  N=  P=  R=  W= 



Also featured is the GHOST® Deck/Grille Light

## ACCESSORIES

# visors

Light not included.

- a. Chevrolet Tahoe, pair **#PUL3MØ2**
- b. Chevrolet Impala, pair **#PUL3MØ3**
- c. Dodge Charger, single **#PUL3MØ4**



For Universal bracket accessories, refer to the following page.





## Interior LED Directional Warning Bars

[continued]

### ACCESSORIES universal brackets Light not included.

- a. One hole, pair
- b. Two holes, pair
- c. Three holes, pair
- d. Seven holes, pair

**#PUL3DGMØ1**  
**#PUL3DGMØ2**  
**#PUL3DGMØ3**  
**#PUL3DGM**



# TrafficMaster

## Exterior LED Directional Warning Bars



#ETT3MLEDSA



#ETT3MLED-P



### Features

- > Universal design fits interior rear windows in all types vehicles or can be mounted on the exterior
- > 8 sealed weatherproof modules
- > Reliable self-contained solid state design
- > Includes control box and mounting brackets
- > Control box features illuminated display to show flash pattern selected and 5-position rotary switch to control all primary functions
- > Hard wire installation with 25' cable

### Technical Specifications

|                       |  |
|-----------------------|--|
| INPUT VOLTAGE RANGE   | 10-30 Vdc  |
| CURRENT DRAW          | 2.2 Amps max   |
| LED COUNT             | 168 LEDs   |
| FLASH PATTERNS        | 2 warning patterns and 6 arrow patterns  |
| OPERATING TEMPERATURE | -30° C to +65° C / -22° F to +149° F   |
| DIMENSIONS            | Split Arrow: 21" (53 cm) L (each end) x 2.75" (7 cm) H x 1.75" (4.5 cm) D<br>Solid Bar: 42" (107 cm) L x 2.75" (7 cm) H x 1.75" (4.5 cm) D |
| MOUNTING              | Surface mount (brackets included)  |
| WARRANTY              | Five-year  |

# Perimeter Lighting





# Perimeter Lighting

UNDER MIRROR LIGHT

SURFACE MOUNTS

DECK/GRILLE MOUNTS

RECESS MOUNTS

WINDSHIELD LIGHTS

INSERTS

STROBE POWER SUPPLY

SIGNAL LIGHTS

MARKER LIGHTS

LICENSE PLATE LIGHT

**Additional nFORCE Products:** Exterior Lightbar, 3; Interior Windshield Lightbar, 13;  
Exterior Traffic Controller, 21 and Interior Traffic Controller, 22.

**Additional UltraLITE Products:** Exterior LED Directional Warning Bar, 23 and Interior LED Directional Warning Bar, 25.

# intersector

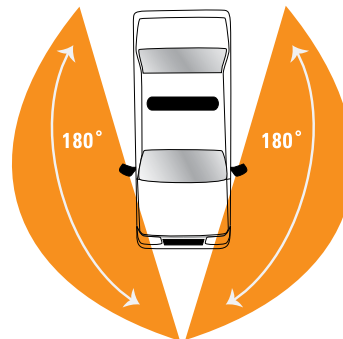
## Under Mirror Light



|                                 |               |
|---------------------------------|---------------|
| 9 LED, Solid Colors             | #ENT2B3(x)    |
| 18 LED, Dual Colors             | #ENT2B3(x)    |
| 9 LED, Solid Colors, Xylex Lens | #ENT2B3(x)-EU |
| 18 LED, Dual Colors, Xylex Lens | #ENT2B3(x)-EU |

Replace (x) in the Order Number for Color Selection

|   |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|
| 9 LED Solid Colors: A= <span style="color: yellow;">■</span> B= <span style="color: blue;">■</span> R= <span style="color: red;">■</span> G= <span style="color: green;">■</span> W= <span style="color: white;">■</span>   |  |  |  |  |  |  |  |  |  |  |  |
| 18 LED Dual Colors: D= <span style="color: red;">■</span> <span style="color: white;">■</span> E= <span style="color: blue;">■</span> <span style="color: white;">■</span> F= <span style="color: yellow;">■</span> <span style="color: white;">■</span> H= <span style="color: green;">■</span> <span style="color: white;">■</span> J= <span style="color: red;">■</span> <span style="color: blue;">■</span> K= <span style="color: red;">■</span> <span style="color: yellow;">■</span> L= <span style="color: red;">■</span> <span style="color: green;">■</span> M= <span style="color: blue;">■</span> <span style="color: yellow;">■</span> N= <span style="color: blue;">■</span> <span style="color: green;">■</span> P= <span style="color: green;">■</span> <span style="color: yellow;">■</span> |  |  |  |  |  |  |  |  |  |  |  |



No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections and offer side warning illumination.

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Single: 30 color patterns<br>Dual: 12 single and 14 dual color patterns |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | Single colors: < 1.25 Amps<br>Dual colors: < 1.25 Amps                  |
| LIGHT SYNC            | 24 single lightheades   |
| LED COUNT             | Solid colors: 9 LEDs<br>Dual colors: 18 LEDs                            |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                                    |
| DIMENSIONS            | 2.9" (7.4 cm) W x 1.9" (4.8 cm) H x 2.9" (7.4 cm) D                     |
| MOUNTING              | Under Mirror or Surface mount   |
| CERTIFICATIONS        | SAE J845 Class 1 WS3-1 (100) certified                                  |
| WARRANTY              | Five-year   |

### Features

- > The first light of its kind to offer critical intersection warning and side warning
- > Design of light is based upon problem solving research - 30% of all emergency vehicle crashes are likely to occur at dangerous intersections
- > Unique under mirror mount simplifies installation - labor saving light is much easier to install than traditional front mirror skull mounts - no mirrors to work behind or around
- > Light can be surface mounted to any flat area on any type of vehicle - elevate your safety and visibility by mounting to the headache rack or body of the vehicle wherever additional lighting is needed
- > Features cruise mode for steady burn if desired
- > Light includes three mounting wedges (0, 5, 10 and 15 degrees) and foam gasket
- > Light has separate control functionality and is sync compatible with nFORCE® products
- > Dual light allows either color to be set to flash or steady-burn
- > Steady-burn white can be specified as a means of providing additional side/alley lighting
- > The flasher has been integrated into the light to provide easier installation



ACCESSORIES

## curved surface adaptor

Sold in pairs. Light not included.

Universal

#PNT1CRV01



## installation bracket

Light not included.

Bracket and Screws included

#PNT1WRRT







## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

## Surface Mounts



### Single

|  |               |
|--|---------------|
| 6 LED, Solid or Split Colors   | #ENFSSS1(x)   |
| 9 LED, Solid Colors  | #ENFSSS2(x)   |
| 9 LED, Solid Color - Amber, High Output                              | #ENFSSS2A-PC  |
| 9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens, ECE R65 | #ENFSSE2(x)   |
| 12 LED, Solid or Dual Colors   | #ENFSSS3(x)   |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                | #ENFSSS4(xxx) |







### Dual Stacked


|  |               |
|--|---------------|
| 6 LED, Solid or Split Colors   | #ENFDSS1(xx)  |
| 9 LED, Solid Colors  | #ENFDSS2(xx)  |
| 9 LED, Solid Color - Amber/Amber, High Output  | #ENFDSS2AA-PC |
| 9 LED, Solid Colors - Amber/Amber, Blue/Amber or Blue/Blue or Red/Red, Xylex Lens, ECE R65 | #ENFDSE2(xx)  |
| 12 LED, Solid or Dual Colors   | #ENFDSS3(xx)  |
| 18 LED, Tri Color - Blue/Red/Amber or Blue/Red/White                                       | #ENFDSS4(xxx) |

## Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24 single lighthead   |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | Single: 5.0" (12.7 cm) L x 1.72" (4.3 cm) H x 1.50" (3.8 cm) D<br>Dual Stacked: 5.0" (12.7 cm) L x 3.13" (7.9 cm) H x 1.50" (3.8 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |

## Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A =  B =  R =  W = 

Dual Colors: D =  E =  F =  J or JJ =  Tri-Colors: BRA =  BRW = 

### Single

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (x)   | = | A, B, R or W                                 |
| 6 LED Split Colors | (x)   | = | J  |
| 9 LED Solid Colors | (x)   | = | A, B, R or W                                 |
| 12 LED Dual Colors | (x)   | = | D, E, F or J                                 |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

### Dual Stacked

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (xx)  | = | AA, AW, BA, BB, BW, RA, RB, RR or RW         |
| 6 LED Split Colors | (xx)  | = | JJ   |
| 9 LED Solid Colors | (xx)  | = | A, B, R or W                                 |
| 12 LED Dual Colors | (xx)  | = | JJ   |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

## Module LED Color Patterns

|                   |   |
|-------------------|---|
| 6 LED Solid:      |  |
| 6 LED Split:      |  |
| 9 LED Solid:      |  |
| 12 LED Solid:     |  |
| 12 LED Dual:      |  |
| 18 LED Tri-Color: |  |



Also featured is the LED3 Mini Lightbar



## Surface Mounts

[continued]



## ACCESSORIES

# surface mount brackets

Light and replacement modules not included.

- a. Behind the grille installation, includes driver and passenger sides, Chevy Tahoe 2015
- b. Horizontal license plate
- c. Rear spoiler, includes driver and passenger sides, Chevy Tahoe 2015+
- d. Vertical license plate
- e. 45 degree angle, horizontal mount
- f. 90 degree angle, horizontal mount
- g. Rear spoiler, dual, driver side, Ford PI Utility 2011+  
Rear spoiler, dual, passenger side, Ford PI Utility 2011+
- h. Rear spoiler, single, Ford PI Utility 2011+

#PNFSLDGSB-TH

#PNFSLBRK2LPH

#PNFSLRSBTH

#PNFSLBRK2LPV

#PNFSLBRK145

#PNFSLBRK190

#PNFSLRSBUVD

#PNFSLRSBUVP

#PNFSLRSBUVS



a.



b.



c.



d.



e.



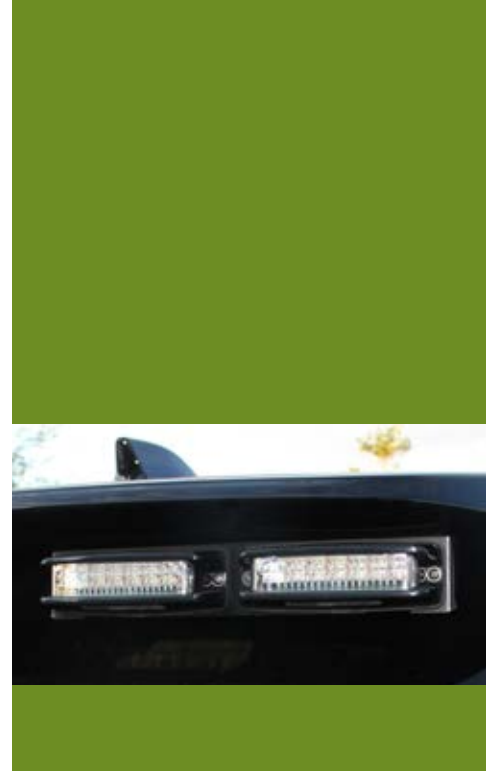
f.



g.



h.



## fog light kit

Replacement modules not included.

- a. Includes driver and passenger fog light bezels, mounting plates and hardware, Chevy Tahoe, 2015

#PNFSLFLKTTTH



a.



## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > Available in a 3 and 6 LED solid, 6 LED dual and 9 LED tri-colors
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



## FIT Surface Mount



3 LED, Solid Colors

6 LED, Solid or Dual Colors

9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White

#ENFFTSSMS3(x)

#ENFFTSSMS6(x)

#ENFFTSSMS9(xxx)

Replace (x) or (xxx) in the Order Number for Standard Color Selection

|                              |  |
|------------------------------|--|
| Solid Colors: A=  B=  R=  W= |  |
| Dual Colors: D=  E=  F=  J=  | Tri-Colors: BRA=  BRW=                               |
| 3 LED Solid Colors           | (x) = A, B, R or W                                   |
| 6 LED Solid or Dual Colors   | (x) = A, B, D, E, F, J, R or W                       |
| 9 LED Tri-Colors             | (xxx) = BRA (blue/red/amber) or BRW (blue/red/white) |

### Module LED Color Patterns

|                   |  |
|-------------------|--|
| 3 LED Solid:      |  |
| 6 LED Solid:      |  |
| 6 LED Dual:       |  |
| 9 LED Tri-Colors: |  |

## Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24 single lightheades                                    |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |





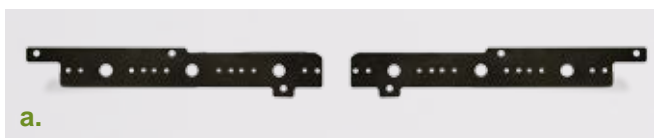
## ACCESSORIES FIT surface mount brackets

Light not included.

- a. Behind the grille installation, includes driver and passenger sides, Chevy Tahoe 2015
- b. Provides horizontal or vertical mounting capability; 2 lights, 1 on each side

#PNFSLDGSB-TH

#PNFFTBRK2LP

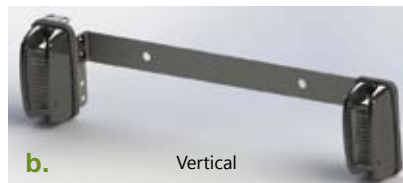


a.



b.

Horizontal



b.

Vertical





# intersecor

## Surface Mount



|                                     |            |
|-------------------------------------|------------|
| 9 LED, Solid Colors, Black Housing  | #ENT3B3(x) |
| 9 LED, Solid Colors, White Housing  | #ENT3W3(x) |
| 9 LED, Solid Colors, Chrome Housing | #ENT3C3(x) |
| 18 LED, Dual Colors, Black Housing  | #ENT3B3(x) |
| 18 LED, Dual Colors, White Housing  | #ENT3W3(x) |
| 18 LED, Dual Colors, Chrome Housing | #ENT3C3(x) |

Replace (x) in the Order Number for Color Selection

9 LED Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
 18 LED Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ H = ■ ■ J = ■ ■ K = ■ ■ L = ■ ■ M = ■ ■ N = ■ ■ P = ■ ■

### Features

- > No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections
- > Includes Surface Mount light in your choice of LED and housing colors, neoprene gasket and mounting hardware for installation
- > Patented design, the first light of its kind to offer critical intersection warning and side warning illumination now available with surface mount capabilities
- > Light has separate control functionality and is sync compatible with nFORCE® products
- > Dual light allows either color to be set to flash or steady-burn
- > Steady-burn white can be specified as a means of providing additional side/alley lighting
- > The flasher has been integrated into the light to provide easier installation



### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Single: 30 color patterns<br>Dual: 12 single and 14 dual color patterns |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | < 1.25 Amps   |
| LIGHT SYNC            | 24 single lightheads  |
| LED COUNT             | Solid colors: 9 LEDs or Dual colors: 18 LEDs                            |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                                    |
| DIMENSIONS            | 2.9" (7.4 cm) W x 1.9" (4.8 cm) H x 2.9" (7.4 cm) D                     |
| MOUNTING              | Under Mirror or Surface mount   |
| CERTIFICATIONS        | SAE J845 Class 1 WS3-1 (100) certified                                  |
| WARRANTY              | Five-year   |



ACCESSORIES

## single surface mount brackets

Light not included.

- a. Chevrolet Tahoe
- b. Deck/Grille Mount

#PNT3DGBB-TH  
#PNT3DGBB





## Surface Mounts



Black Housing

### Single

Black Housing, 10-16 Vdc  
 Chrome Housing, 10-16 Vdc  
 White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc  
 Chrome Housing, 10-30 Vdc  
 White Housing, 10-30 Vdc

Black Housing, 10-16 Vdc, ECE 65 Certified  
 Chrome Housing, 10-16 Vdc, ECE 65 Certified  
 White Housing, 10-16 Vdc, ECE 65 Certified

Xylex Lens; amber, blue and red on all housing colors

Black Housing, 10-30 Vdc, ECE R65/EMC Certified  
 Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified  
 White Housing, 10-30 Vdc, ECE R65/EMC Certified

Amber, blue and red on all housing colors

#EGHST2(x)-12  
 #EGHST2(x)C-12  
 #EGHST2(x)W-12

#EGHST2(x)  
 #EGHST2(x)C  
 #EGHST2(x)W

#EGHSTE2(x)B-EU  
 #EGHSTE2(x)C-EU  
 #EGHSTE2(x)W-EU

#EGHSTE2(x)B  
 #EGHSTE2(x)C  
 #EGHSTE2(x)W

### Single Stop/Tail

Black Housing, 10-30 Vdc, Red LEDs  
 Black Housing, 10-30 Vdc, Amber LEDs  
 Chrome Housing, 10-30 Vdc, Red LEDs  
 White Housing, 10-30 Vdc, Red LEDs  
 White Housing, 10-30 Vdc, Blue LEDs

#EGHSTT2RB  
 #EGHSTT2AB  
 #EGHSTT2RC  
 #EGHSTT2RW  
 #EGHSTT2BW

### Single Spot

Black Housing, 10-30 Vdc, White LEDs  
 Chrome Housing, 10-30 Vdc, White LEDs  
 White Housing, 10-30 Vdc, White LEDs

#EGHSTS2W  
 #EGHSTS2WC  
 #EGHSTS2WW



Black Housing

### Dual Stacked

Black Housing, 10-16 Vdc  
 Chrome Housing, 10-16 Vdc  
 White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc  
 Chrome Housing, 10-30 Vdc  
 White Housing, 10-30 Vdc

#EGHST6(x)B-12  
 #EGHST6(x)C-12  
 #EGHST6(x)W-12

#EGHST6(x)B  
 #EGHST6(x)C  
 #EGHST6(x)W

## Features

- > Sleek, narrow surface mount light, fits almost anywhere
- > Premium optics offer optimal power and brightness
- > Includes rubber mounting gasket and mounting hardware with 3-wire cable



Chrome Housing



White Housing

Replace (x) in the Order Number for Color Selection

Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■

Dual/Split Colors: A= ■ B= ■ D= ■ E= ■ F= ■ G= ■ H= ■ J= ■ K= ■ L= ■ M= ■ N= ■ P= ■ R= ■ W= ■

## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4 single and 2 dual-stacked   |
| LED COUNT             | Single: 6 LEDs<br>Dual Stacked: 12 LEDs (6 per module)  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | Single: 0.75 Amps (flash pattern dependent)<br>Dual Stacked: > 1.5 Amps   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Single/Stop Tail: 5.7" (14 cm) L x 1.06" (2.7 cm) H x 1.8" (4.6 cm) D<br>Dual Stacked: 5.4" (14 cm) L x 2.4" (6.1 cm) H x 1' (2.5 cm) D |
| MOUNTING              | Single: On 4.9" (12.4 cm) centers<br>Dual Stacked: 4.85" (12 cm) centers  |
| CERTIFICATIONS        | SAE J595, Class 1 certified; Article 22, CA Title 13 compliant;<br>Two, ECE 65 certified and 72/245/EEC, EMC certified                  |
| WARRANTY              | Five-year   |



## ACCESSORIES

### single surface mount brackets

Light not included.

- Behind the grille installation, includes driver and passenger sides, Chevy Tahoe, 2015
- Single Surface Mount Vertical License Plate

#PNFSLDGSB-TH

#PNFSLBRK2LPV







## Surface Mounts

### Features

- > Wide, bright extreme angle output
- > Light sync technology to synchronize your lights to alternate the flash patterns or flash simultaneously
- > Includes santoprene rubber mounting gasket and mounting hardware with 18" of 3-wire cable



White Housing



Black Housing



Chrome Housing



### Single

Black Housing, Solid Colors  
Chrome Housing, Solid Colors  
White Housing, Solid Colors

#EP2SSMDB(x)  
#EP2SSMDB(x)C  
#EP2SSMDB(x)W

Black Housing, Split Colors  
Chrome Housing, Split Colors  
White Housing, Split Colors

#EP2SSMBS(x)  
#EP2SSMCS(x)  
#EP2SSMWS(x)



Dual Stacked



Dual Stacked Stop/Tail

### Dual Stacked

Black Housing, Solid Colors  
Chrome Housing, Solid Colors  
White Housing, Solid Colors

#EP2DSMDB(x)  
#EP2DSMDB(x)C  
#EP2DSMDB(x)W

### Dual Stacked Stop/Tail

Black Housing, Solid and Dual Colors  
Chrome Housing, Solid and Dual Colors  
White Housing, Solid and Dual Colors

#EP2DSMSTT(x)  
#EP2DSMSTT(x)C  
#EP2DSMSTT(x)W

Upper warning module can be blue, red or amber. Bottom module is red only with stop/tail function.



### Dual Side-by-Side

Black Housing, Solid and Dual Colors  
Chrome Housing, Solid and Dual Colors  
White Housing, Solid and Dual Colors

#EP2DSSDB(x)  
#EP2DSSDB(x)C  
#EP2DSSDB(x)W

Replace (x) in the Order Number for Color Selection

Solid Colors: A= B= G= R= W=

Dual/Split Colors: A= B= D= E= F= G= H= J= K= L= M= N= P= R= W=

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4 single and 2 dual-stacked/side-by-side   |
| LED COUNT             | Single: 8 LEDs<br>Dual Stacked: 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | Single: 1.1 Amps maximum<br>Dual Stacked: 2.0 Amps maximum (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | Single: 4.5" (11 cm) W x 2.4" (6.0 cm) H x 1.25" (3.2 cm) D;<br>Dual Stacked: 4.5" (11 cm) W x 3.8" (9.7 cm) H x 1.25" (3.2 cm) D<br>Side-by-Side: 8.2" (21 cm) W x 2.4" (6.0 cm) H x 1.25" (3.2 cm) D |
| MOUNTS                | Single: 4.125" (1.0 cm) centers<br>Dual Stacked: 4.14" (1.0 cm) centers<br>Side-by-Side: 7.85" (20 cm) centers   |
| CERTIFICATIONS        | SAE J595, Class 1 certified and Article 22, CA Title 13 compliant  |
| WARRANTY              | Five-year  |



## ACCESSORIES

# single surface mount brackets

Light not included.

- a. 45 Degrees, Vertical, pair
- b. 90 Degrees, pair

#PPRSM45BRKT

#PPRSM90BRKT





# LED3

## Mini Surface Mount



### Features

- > High powered, versatile mini surface mount
- > Our smallest compact size surface mount light
- > Many versatile mounting options with optional brackets and bezels for any vehicle and any mount
- > Includes rubber mounting gasket and mounting hardware with 18" of 3-wire cable for hard wire installation

10-16 Vdc, Solid Colors

**#EL3SN(x)**

10-30 Vdc, Solid Colors

**#EL3SN3Ø(x)**

10-30 Vdc, Amber and Blue LEDs, ECE R65 Certified

**#EL3SN3Ø(x)-EC**

10-16 Vdc, White, Mini Spot Light

**#EL3SSCW**

10-30 Vdc, White, Mini Spot Light

**#EL3SS3ØLW**

Replace (x) in the Order Number for Color Selection

Solid Colors: A=  B=  G=  R=  W= 



### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns<br>ECE R65: 3 flash patterns   |
| LIGHT SYNC            | 4  |
| LED COUNT             | 3 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | < 0.5 Amps   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 2.5" (6.4 cm) W x 1.4" (3.6 cm) H x 1.25" (3.2 cm)   |
| MOUNTING              | 2.21" (5.6 cm) centers   |
| CERTIFICATIONS        | SAE J595 Class 1 certified; Article 22, CA Title 13 compliant<br>(blue and red = 1 light and amber = 2 lights)<br>ECE R65 Class 1 certified (amber and blue) |
| WARRANTY              | Five-year  |

## ACCESSORIES

# surface mount brackets

Light not included.

- a. Universal License Plate, Horizontal  
Universal License Plate, Vertical
- b. Universal Grille
- c. 45 Degrees, Horizontal  
45 Degrees, Vertical
- d. 90 Degrees
- e. Side-by-Side, 90 Degrees
- f. Stacked 90 Degrees, Horizontal
- g. Stacked 90 Degrees, Vertical

#EL3SNBRK2LPH  
#EL3SNBRK2LPV  
#EL3SNBRK1GRU  
#EL3SNHBRK145  
#EL3SNBRK145  
#EL3SNBRK19Ø  
#EL3SNBRK29ØH  
#EL3SNBRK29ØV  
#EL3SNBRK29ØV



a.



b.



c.



d.



e.



f.



g.

# surface mount bezels

Light not included.

- a. 4" Round, Ford Utility, 2011-2014
- b. Single
- c. Dual Stacked
- d. Dual Side-by-Side

#PEL3FLBKFSU  
#PEL3BZSG(x)  
#PEL3BDS(x)  
#PEL3BZSS(x)

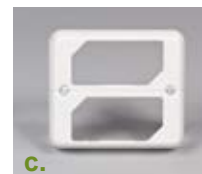
Replace (x) for these available housing colors: Black=B, Chrome=C and White=W



a.



b.



c.



d.



## Features

- > Light is sold per unit
- > Light can be surface mounted to any flat area on any type of vehicle
- > Prime applications include rocker panels, push bumpers, tailgates and headache racks
- > Distributes exceptional profile visibility to dangerous intersections
- > Compact extruded aluminum housing is visually inconspicuous and weather resistant
- > 19 inches of wire cable for hard wire installation

# nLINE

## Running Light



48" Length Shown

|                                      |              |
|--------------------------------------|--------------|
| 36", Driver, Left Side Wire Exit     | #ENL136(x)-L |
| 36", Passenger, Right Side Wire Exit | #ENL136(x)-R |
| 48", Driver, Left Side Wire Exit     | #ENL148(x)-L |
| 48", Passenger, Right Side Wire Exit | #ENL148(x)-R |
| 60", Driver, Left Side Wire Exit     | #ENL160(x)-L |
| 60", Passenger, Right Side Wire Exit | #ENL160(x)-R |
| 72", Driver, Left Side Wire Exit     | #ENL172(x)-L |
| 72", Passenger, Right Side Wire Exit | #ENL172(x)-R |

Replace (x) in the Order Number for Color Selection

Solid Colors: A= ■ B= ■ R= ■ W= ■  
 Dual/Split Colors: D= ■ ■ E= ■ ■ F= ■ ■ J= ■ ■ K= ■ ■ M= ■ ■



## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 10 flash patterns   |
| LIGHT SYNC            | 6   |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | 0.58 Amps @ 16 Vdc  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 36" (91.4 cm) W<br>48" (121.9 cm) W<br>60" (152.4 cm) W<br>72" (182.9 cm) W<br>.75" (1.9 cm) D (all lights) |
| MOUNTING              | Surface mount   |
| WARRANTY              | Three-year  |

# Fusion Lite

## Surface Mount



Black Housing, Solid Colors

#EFL1BØ(x)

White Housing, Solid Colors

#EFL1WØ(x)

Black Housing, Dual Color, Red/Blue

#EFL2BØJ



Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■

### Features

- > Fusion II Technology - optic for a bright, extra wide output
- > Light can be surface mounted to any flat area on any type of vehicle - elevate your safety and visibility by mounting to the headache rack
- > Non-volatile memory - recalls last flash pattern used
- > Permanent mount with 6" cable with bare wires for hard wire installation



### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 6 flash patterns  |
| LIGHT SYNC            | 6   |
| LED COUNT             | Solid colors, 1 LED<br>Dual color, 2 LEDs                       |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | < .5 Amps   |
| OPERATING TEMPERATURE | -20° C to +65° C  |
| DIMENSIONS            | 3.2" (8 cm) L x 1.7" (4.2 cm) W x .8" (2 cm) H                  |
| MOUNTING              | Mounting screws included  |
| CERTIFICATIONS        | RoHS and WEEE compliant and meets SAE J845 Class 2 requirements |
| WARRANTY              | Five-year   |







## Deck/Grille Mounts

### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Feature

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



#### Single

|   |               |
|---|---------------|
| 6 LED, Solid or Split Colors  | #ENFSGS1(x)   |
| 9 LED, Solid Colors   | #ENFSGS2(x)   |
| 9 LED, Solid Color - Amber, High Output                                 | #ENFSGS2A-PC  |
| 9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens and ECE R65 | #ENFSGE2(x)   |
| 12 LED, Solid or Dual Colors  | #ENFSGS3(x)   |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                   | #ENFSGS4(xxx) |







#### Dual Side-by-Side







|   |               |
|---|---------------|
| 6 LED, Solid or Split Colors  | #ENFDGS1(xx)  |
| 9 LED, Solid Colors   | #ENFDGS2(xx)  |
| 9 LED, Solid Color - Amber/Amber, High Output   | #ENFDGS2AA-PC |
| 9 LED, Solid Colors - Amber/Amber, Blue/Amber, Blue/Blue or Red/Red, Xylex Lens and ECE R65 | #ENFDGE2(xx)  |
| 12 LED, Solid or Dual Colors  | #ENFDGS3(xx)  |
| 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White                                       | #ENFDGS4(xxx) |

### Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24 single lightheads  |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | Single: 5.0" (12.7 cm) L x 1.88" (4.7 cm) H x 1.82 (4.3 cm) D<br>Dual: 9.50" (24.1 cm) L x 1.88" (4.7 cm) H x 1.82" (4.3 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |

## Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A =  B =  R =  W = 

Dual Colors: D =  E =  F =  J or JJ =  Tri-Colors: BRA =  BRW = 


### Single

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (x)   | = | A, B, R or W                                 |
| 6 LED Split Colors | (x)   | = | J  |
| 9 LED Solid Colors | (x)   | = | A, B, R or W                                 |
| 12 LED Dual Colors | (x)   | = | D, E, F or J                                 |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

### Dual Side-by-Side

|                    |       |   |  |
|--------------------|-------|---|--|
| Solid Colors       | (xx)  | = | AA, AW, BA, BB, BW, RA, RB, RR or RW         |
| 6 LED Split Colors | (xx)  | = | JJ   |
| 9 LED Solid Colors | (xx)  | = | A, B, R or W                                 |
| 12 LED Dual Colors | (xx)  | = | JJ   |
| 18 LED Tri-Colors  | (xxx) | = | BRA (blue/red/amber) or BRW (blue/red/white) |

## Module LED Color Patterns

|                   |   |
|-------------------|---|
| 6 LED Solid:      |  |
| 6 LED Split:      |  |
| 9 LED Solid:      |  |
| 12 LED Solid:     |  |
| 12 LED Dual:      |  |
| 18 LED Tri-Color: |  |







## FIT Deck/Grille Mounts



### Features

- > New vehicle design integration
- > Single, Dual and Tri-Color capability
- > Available in a 3 LED solid color, 6 LED solid color, 6 LED dual color and 9 LED tri-color
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

|  |                  |
|--|------------------|
| 3 LED, Solid Colors                                  | #ENFFTSDGS3(x)   |
| 6 LED, Solid or Dual Colors                          | #ENFFTSDGS6(x)   |
| 9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White | #ENFFTSDGS9(xxx) |

Replace (x) or (xxx) in the Order Number for Standard Color Selection

|   |  |
|---|--|
| Solid Colors: A = <span style="color: yellow;">■</span> B = <span style="color: blue;">■</span> R = <span style="color: red;">■</span> W = <span style="color: white;">■</span>   |  |
| Dual Colors: D = <span style="color: red;">■</span> <span style="color: blue;">■</span> E = <span style="color: blue;">■</span> <span style="color: white;">■</span> F = <span style="color: yellow;">■</span> <span style="color: white;">■</span> J = <span style="color: blue;">■</span> <span style="color: red;">■</span> Tri-Colors: BRA = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> BRW = <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: white;">■</span> |  |
| 3 LED Solid Colors  | (x) = A, B, R or W                                   |
| 6 LED Solid or Dual Colors  | (x) = A, B, D, E, F, J, R or W                       |
| 9 LED Tri-Colors  | (xxx) = BRA (blue/red/amber) or BRW (blue/red/white) |

### Module LED Color Patterns

|                   |  |
|-------------------|--|
| 3 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Solid:      | <span style="color: red;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Dual:       | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>   |
| 9 LED Tri-Colors: | <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> |

### ACCESSORIES

## FIT deck/grille brackets Light not included.

- |   |              |
|---|--------------|
| a. 45 degree angle  | #PNFFTBRK145 |
| b. 90 degree angle  | #PNFFTBRK190 |
| c. Provides horizontal or vertical mounting capability;<br>2 lights, 1 on each side | #PNFFTBRK2LP |



### Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24 single lightheads                                     |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |



## Deck/Grille Mounts



Black Housing, Permanent Mount



White Housing, Single Edge Mount

### Single Multi-Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Black Housing, 10-16 Vdc, ECE 65/EMC Certified

White Housing, 10-16 Vdc, ECE 65/EMC Certified

Black Housing, Xylex Lens (amber blue or red)

White Housing, Xylex Lens (amber blue or red)

Includes three mounting options: Permanent, Single Edge and 3M Adhesive Mount

#EGHST1(x)-12

#EGHST1(x)W-12

#EGHST1(x)

#EGHST1(x)W

#EGHSTE1(x)B

#EGHSTE1(x)W

#EGHSTE1(x)B-EU

#EGHSTE1(x)W-EU

### Single Stop/Tail Multi Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc, Red LEDs

Includes two mounting options: Permanent and 3M Adhesive Mount

#EGHSTTR

#EGHSTTRW

### Single Spot Mount

Black Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

#EGHSTS1W

#EGHSTS1WW

### Dual Multi-Mount

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Includes three mounting options: Permanent, Dual Edge and 3M Adhesive Mount

#EGHDT1(xx)-12

#EGHDT1(xx)W-12

#EGHDT1(xx)

#EGHDT1(xx)W



### Rock Bracket

Warning, 10-16 Vdc

Warning, 10-30 Vdc

Stop/Tail, 10-30 Vdc

Spot, 10-30 Vdc

#EGHST3(x)-12

#EGHST3(x)

#EGHSTT3R

#EGHSTS3W

Replace (x) or (xx) in the Order Number for Color Selection

Solid Colors: A= B= G= R= W=

Split Colors: D= E= F= H= J= K= L= M= N= P=

## Features

- > Sleek, narrow surface mount light, fits almost anywhere
- > Premium optics offer optimal power and brightness
- > Red Stop/Tail model is a low power, steady-on red running light once brake is applied, light flashes 5 times and remains on at full power while brake is activated
- > Includes 18" of 3-wire cable
- > Rock light offers an anti-crush, super duty bracket for the most demanding applications and environments
- > Extreme duty rock bracket offers up to 30 degrees of light head adjustability to angle light



## Deck/Grille Mounts

[continued]

Single/Dual Multi and Single  
Stop/Tail Mounting Options



Single Edge



Dual Edge



Permanent



3M Adhesive



### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4   |
| LED COUNT             | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | <.75 Amps (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | Single/Stop Tail: 5.7" (14 cm) L x 1.06" (2.7 cm) H x 1.8" (4.6 cm) D<br>Dual Stacked: 5.4" (14 cm) L x 2.4" (6.1 cm) H x 1' (2.5 cm) D |
| MOUNTING              | Multi: 4" (10 cm) L x 0.9" (2.3 cm) H x 1.8" (4.6 cm) D<br>Rock: 4.8" (12 cm) L x 2" (5.1 cm) H x 1.6" (4.1 cm) D                       |
| CERTIFICATIONS        | SAE J595, Class 1 certified; CA Title 13: Article 22 compliant; EMC certified, 72/245/EEC and ECE 65, Category X, Class 1 certified     |
| WARRANTY              | Five-year   |

### ACCESSORIES

## single deck/grille bracket

Light not included.

a. Front Single Deck/Grille Bracket, 2015 Chevy Tahoe **#PGHSTDGSB-TH**  
(includes both passenger and driver sides)





## Deck/Grille Mounts



### Single

Solid Color

#EP2SGS1(x)

Split Color

#EP2SGS2(x)



### Dual Side-by-Side

Solid or Split Colors

#EP2DGS1(x)

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
Split Colors: D = ■ ■ E = ■ ■ F = ■ ■ H = ■ ■ J = ■ ■ K = ■ ■ L = ■ ■ M = ■ ■ N = ■ ■ P = ■ ■



## Features

- > Brackets allow 120 degrees of light head adjustment to angle the light
- > Flash pattern recall remembers last flash pattern used
- > Convenient side wire exit for easier installation
- > Includes 18" of 3-wire cable

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4  |
| LED COUNT             | Single: 8 LEDs<br>Dual: 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | Single: 1.1 Amps maximum<br>Dual: 2 Amps maximum (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | Single: 4.3" (11 cm) L x 2.4" (7 cm) H x 1.75" (4.4 cm) D<br>Dual: 8.5" (22 cm) L x 2.4" (7 cm) H x 1.75" (4.4 cm) D |
| MOUNTING              | Surface mount on 2.77" (7.0 cm) centers  |
| CERTIFICATIONS        | SAE J595 Class 1 certified and CA Title 13, Article 22 compliant   |
| WARRANTY              | Five-year  |



## Recess Mount



### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.

6 LED, Solid or Split Colors

#ENFSRS1(x)

9 LED, Solid Colors

#ENFSRS2(x)

9 LED, Solid Colors - Amber, Blue, Red or White, Xylex Lens and ECE R65

#ENFSRE2(x)

12 LED, Solid or Dual Colors

#ENFSRS3(x)

18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White

#ENFSRS4(xxx)

#### Replace (x) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■  
 Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ J = ■ ■ Tri-Colors: BRA = ■ ■ ■ BRW = ■ ■ ■

#### Single

Solid Colors (x) = A, B, R or W  
 6 LED Split Colors (x) = J  
 9 LED Solid Colors (x) = A, B, R or W  
 12 LED Dual Colors (x) = D, E, F or J  
 18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

#### Module LED Color Patterns



### Technical Specifications

|                         |   |                          |
|-------------------------|---|--------------------------|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns  |                          |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                          |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC (custom order) |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc  | < 0.9 Amps @ 25.6Vdc     |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc  | < 1.2 Amps @ 25.6Vdc     |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc   | < 0.6 Amps @ 25.6Vdc     |
| LIGHT SYNC              | 24  |                          |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                          |
| DIMENSIONS              | 5.25" (13.34 cm) L x 2.25" (5.72 cm) H x 1.50 (3.8 cm) D  |                          |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                          |
| WARRANTY                | Five-year   |                          |







## Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > Available in a 3 and 6 LED solid, 6 LED dual and 9 LED tri-colors
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



## FIT Recess Mount



3 LED, Solid Colors

#ENFFTSRFS3(x)

6 LED, Solid or Dual Colors

#ENFFTSRFS6(x)

9 LED, Tri-Colors - Blue/Red/Amber or Blue/Red/White

#ENFFTSRFS9(xxx)

Replace (x) or (xxx) in the Order Number for Standard Color Selection

|   |  |
|---|--|
| Solid Colors: A= <span style="color: yellow;">■</span> B= <span style="color: blue;">■</span> R= <span style="color: red;">■</span> W= <span style="color: white;">■</span>   |  |
| Dual Colors: D= <span style="color: red;">■</span> <span style="color: white;">■</span> E= <span style="color: blue;">■</span> <span style="color: white;">■</span> F= <span style="color: yellow;">■</span> <span style="color: white;">■</span> J= <span style="color: red;">■</span> <span style="color: blue;">■</span> | Tri-Colors: BRA= <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> BRW= <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: white;">■</span> |
| 3 LED Solid Colors (x)  | = A, B, R or W   |
| 6 LED Solid or Dual Colors (x)  | = A, B, D, E, F, J, R or W   |
| 9 LED Tri-Colors (xxx)  | = BRA (blue/red/amber) or BRW (blue/red/white)   |

### Module LED Color Patterns

|                   |  |
|-------------------|--|
| 3 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Solid:      | <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span>  |
| 6 LED Dual:       | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>   |
| 9 LED Tri-Colors: | <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: yellow;">■</span> |

## Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single, 12 Dual or 12 Tri-color patterns              |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 3 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Single Color      | < 0.5 Amps @ 12.8Vdc                                     |
| 6 LED Dual Color        | < 1.0 Amp @ 12.8Vdc                                      |
| 9 LED Tri-Color         | < 0.5 Amps @ 12.8Vdc                                     |
| LIGHT SYNC              | 24   |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F                     |
| DIMENSIONS              | 3.72" (9.45 cm) L x 1.72" (4.3 cm) H x 1.48" (3.76 cm) D |
| CERTIFICATIONS          | SAE J845 Class 1 certified                               |
| WARRANTY                | Five-year  |



## 6" Oval Recess Mount

U.S. and Foreign patents pending



6 LED, Solid or Split Colors

#ENFSRV1(x)

9 LED, Solid Colors

#ENFSRV2(x)

12 LED, Solid or Dual Colors

#ENFSRV3(x)

High Output, 9 LED, Amber Solid Color

#ENFSRV2A-PC

Replace (x) in the Order Number for Standard Color Selection

|   |  |
|---|--|
| Solid Colors: A = <span style="color: yellow;">■</span> W = <span style="color: white;">■</span>  |  |
| Split Colors: D = <span style="color: red;">■</span> <span style="color: blue;">■</span> F = <span style="color: green;">■</span> <span style="color: purple;">■</span> | Dual Colors: D = <span style="color: red;">■</span> <span style="color: blue;">■</span> F = <span style="color: green;">■</span> <span style="color: purple;">■</span> |
| 6 LED Solid or Split Colors   | (x) = A, W, D or F   |
| 9 LED Solid Colors  | (x) = A or W   |
| 12 LED Solid or Dual Colors   | (x) = A, W, D or F   |

### Module LED Color Patterns

|               |   |
|---------------|---|
| 6 LED Solid:  | <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span>   |
| 6 LED Split:  | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>  |
| 9 LED Solid:  | <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span>   |
| 12 LED Solid: | <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> <span style="color: yellow;">■</span> |
| 12 LED Dual:  | <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span> <span style="color: red;">■</span> <span style="color: blue;">■</span>                               |

## Technical Specifications

|                         |   |                       |
|-------------------------|---|-----------------------|
| FLASH PATTERNS          | 12 Single color patterns, 12 Dual or 12 Tri-color patterns  |                       |
| INPUT VOLTAGE           | 10-16 Vdc standard or 10-30 Vdc (custom order)  |                       |
| CURRENT DRAW PER MODULE | 10-16 VDC   | 10-30 VDC             |
|                         | 6 LED Single Color  | < 0.6 Amps @ 12.8 Vdc |
|                         | 6 LED Split Color   | < 0.6 Amps @ 12.8 Vdc |
|                         | 9 LED Single Color  | < 0.9 Amps @ 12.8 Vdc |
|                         | 12 LED Single Color   | < 1.2 Amps @ 12.8 Vdc |
|                         | 12 LED Dual Color   | < 0.6 Amps @ 12.8 Vdc |
|                         | 18 LED Tri-Color  | < 0.6 Amps @ 12.8 Vdc |
| LIGHT SYNC              | 24  |                       |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F  |                       |
| DIMENSIONS              | 6.5" (16.5 cm) L x 2" (5.08 cm) H x 1.5 (3.8 cm) D  |                       |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant; EMC 72/245/EEC certified; and ECE R65, Category X, Class 2 certified (ECE R65 can only be specified with 9 LED solid color) |                       |
| WARRANTY                | Five-year   |                       |

## Features

- > New vehicle design integration
- > Solid, Split and Dual color capability
- > 6, 9 and 12 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

## Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



## Recess Mounts



Black Housing



Chrome Housing



White Housing

### Single

Black Housing, 10-16 Vdc

Chrome Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

Chrome Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Black Housing, 10-30 Vdc, ECE R65/EMC Certified

Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified

White Housing, 10-30 Vdc, ECE R65/EMC Certified

Amber, Blue or Red solid colors only.

Black Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

White Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens

Amber, Blue or Red solid colors only.

#EGHST5(x)B-12

#EGHST5(x)C-12

#EGHST5(x)W-12

#EGHST5(x)B

#EGHST5(x)C

#EGHST5(x)W

#EGHSTE5(x)B

#EGHSTE5(x)C

#EGHSTE5(x)W

#EGHSTE5(x)B-EU

#EGHSTE5(x)C-EU

#EGHSTE5(x)W-EU

### Single Stop/Tail

Black Housing, 10-30 Vdc

Chrome Housing, 10-30 Vdc

White Housing, 10-30 Vdc

Amber, Blue or Red solid colors only.

#EGHSTT5(x)B

#EGHSTT5(x)C

#EGHSTT5(x)W

### Single Spot

Black Housing, 10-30 Vdc, White LEDs

Chrome Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

#EGHSTS2WB

#EGHSTS2WC

#EGHSTS2WW

## Features

- > Just 0.3 inches (0.8 cm) from the body of the vehicle when installed
- > Housing is made from die cast aluminum
- > Black and white housings are powder coated while chrome housing is a high luster, nickel plated finish
- > Same power and intensity as the original GHOST® Mini light
- > Light includes rubber gasket and 15 inch wire length for hardwire installation

Replace (x) in the Order Number for Color Selection

Solid Colors: A = ■ B = ■ G = ■ R = ■ W = ■  
Split Colors: D = ■ ■ E = ■ ■ F = ■ ■ H = ■ ■ J = ■ ■ K = ■ ■ L = ■ ■ M = ■ ■ N = ■ ■ P = ■ ■

## Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 33 flash patterns   |
| LIGHT SYNC            | 4 single lightheads   |
| LED COUNT             | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc  |
| CURRENT DRAW          | 0.75 Amps (flash pattern dependent)   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F  |
| DIMENSIONS            | 4.7" (11.9 cm) W x 1.6" (4.1 cm) H x 1" (2.5 cm) D  |
| MOUNTING              | Recess mount  |
| CERTIFICATIONS        | SAE J595, Class 1 certified; CA Title 13: Article 22 compliant; EMC certified, 72/245/EEC and ECE 65, Category X, Class 1 certified |
| WARRANTY              | Five-year   |





## Single and Dual Windshield Lights

### Features

- > New vehicle design integration
- > Single, Split, Dual and Tri-Color capability
- > 6, 9, 12 and 18 LED counts
- > Steady-burn white capability
- > Separate color control capability
- > Secondary function can be either flashing or steady-burn

### Configurable Features

- > nFORCE is the only perimeter lighting product line on the market that can be specifically tailored to your unique requirements.



#### Single, Permanent

Includes shroud, bracket and bare wires

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber, High Output

#ENFSWP1(x)  
#ENFSWP2(x)  
#ENFSWP3(x)  
#ENFSWP4(xxx)  
#ENFSWP2A-PC

#### Single, Suction Cup

Includes shroud, bracket and 12 volt cig plug with 11.5 foot cord

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber, High Output

#ENFSWS1(x)  
#ENFSWS2(x)  
#ENFSWS3(x)  
#ENFSWS4(xxx)  
#ENFSWS2A-PC



#### Dual Side-by-Side, Permanent

Includes shroud, bracket and bare wires

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber/Amber, High Output

#ENFDWP1(xx)  
#ENFDWP2(xx)  
#ENFDWP3(xx)  
#ENFDWP4(xxx)  
#ENFDWP2AA-PC

#### Dual Side-by-Side, Suction Cup

Includes shroud, bracket and 12 volt cig plug with 11.5 foot cord

- 6 LED, Solid or Split Colors
- 9 LED, Solid Colors
- 12 LED, Solid or Dual Colors
- 18 LED, Tri Colors - Blue/Red/Amber or Blue/Red/White
- 9 LED, Solid Color - Amber/Amber High Output

#ENFDWS1(xx)  
#ENFDWS2(xx)  
#ENFDWS3(xx)  
#ENFDWS4(xxx)  
#ENFDWS2AA-PC



## Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

Solid Colors: A = ■ B = ■ R = ■ W = ■  
 Dual Colors: D = ■ ■ E = ■ ■ F = ■ ■ J or JJ = ■ ■ Tri-Colors: BRA = ■ ■ ■ BRW = ■ ■ ■

### Single

Solid Colors (x) = A, B, R or W  
 6 LED Split Colors (x) = J  
 9 LED Solid Colors (x) = A, B, R or W  
 12 LED Dual Colors (x) = D, E, F or J  
 18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

### Dual Side-by-Side

Solid Colors (xx) = AA, AW, BA, BB, BW, RA, RB, RR or RW  
 6 LED Split Colors (xx) = JJ  
 9 LED Solid Colors (xx) = A, B, R or W  
 12 LED Dual Colors (xx) = JJ  
 18 LED Tri-Colors (xxx) = BRA (blue/red/amber) or BRW (blue/red/white)

## Module LED Color Patterns

6 LED Solid: ■ ■ ■ ■ ■ ■  
 6 LED Split: ■ ■ ■ ■ ■ ■  
 9 LED Solid: ■ ■ ■ ■ ■ ■ ■ ■ ■  
 12 LED Solid: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
 12 LED Dual: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
 18 LED Tri-Color: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

## Technical Specifications

|                         |  |
|-------------------------|--|
| FLASH PATTERNS          | 12 Single color patterns, 14 Dual or 14 Tri-color patterns   |
| INPUT VOLTAGE           | 10-16 Vdc  |
| CURRENT DRAW PER MODULE |  |
| 6 LED Single Color      | < 1.0 Amp @ 12.8Vdc  |
| 6 LED Split Color       | < 1.0 Amp @ 12.8Vdc  |
| 9 LED Single Color      | < 1.5 Amps @ 12.8Vdc   |
| 12 LED Single Color     | < 2.0 Amps @ 12.8Vdc   |
| 12 LED Split Color      | < 1.0 Amp @ 12.8Vdc  |
| 18 LED Tri-Color        | < 1.0 Amp @ 12.8Vdc  |
| LIGHT SYNC              | 24 single lighthoods   |
| OPERATING TEMPERATURE   | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS              | Single: 6.80" (17.27cm) L x 1.43" (3.6 cm) H x 5" (12.7 cm) D<br>Dual Side-by-Side: 11.35" (28.8 cm) L x 1.43" (3.6 cm) H x 5" (12.7 cm) D |
| CERTIFICATIONS          | SAE J595, Class 1 certified; CA Title 13, Article 22 compliant and EMC certified, 72/245/EEC   |
| WARRANTY                | Five-year  |





## Interior Windshield Lights

### Features

- > Bright LED modules line these versatile warning bars for maximum output and impact
- > Single warning tips available on the 8 module bar
- > 12 module bar available with optional single or dual warning tips in your choice of color



2 Module, Suction Cup Mount **#EL3H02A0+(x)**

(includes shroud and 12 volt cig plug with 14 foot cord and a pair of universal brackets for optional permanent headliner mount)



4 Module, Suction Cup Mount **#EL3H04A0+(x)**

(includes shroud and 12 volt cig plug with 14 foot cord and a pair of universal brackets for optional permanent headliner mount)



8 Module, Permanent Headliner Mount **#EL3Z08A00(x)**



12 Module, Permanent Headliner Mount **#EL3Z12A00(x)**



Permanent headliner mount bars include a pair of universal permanent headliner mount brackets with 14 foot of shielded cable for hard wire installation (shown) and shrouds (1 shroud per 4 module length)

Replace (x) in the Order Number for Color Selection

Solid Colors: A= ■ B= ■ G= ■ R= ■ W= ■  
 Dual/Split Colors: A= ■ B= ■ D= ■ E= ■ F= ■ G= ■ H= ■ J= ■ K= ■ L= ■ M= ■ N= ■ P= ■ R= ■ W= ■

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 2 Module: 33 flash patterns<br>4 Module: 21 flash patterns<br>8 Module: Solid Color - 20 Arrow and 12 Warning<br>Split Color - 19 Warning<br>12 Module: Solid Color - 20 Arrow and 12 Warning<br>Split Color - 19 Warning                                      |
| LIGHT SYNC            | No   |
| LED COUNT             | 2 Module: 6 LEDs<br>4 Module: 12 LEDs<br>8 Module: 24 LEDs<br>12 Module: 36 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc  |
| CURRENT DRAW          | < 1.0 Amp for every 2 modules (flash pattern dependent) @ 12.8 Vdc   |
| OPERATING TEMPERATURE | -40° C to +60° C / -40° F to +140° F   |
| DIMENSIONS            | 2 Module: 7" (18 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>4 Module: 13.25" (34 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>8 Module: 26" (66 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D<br>12 Module: 38.75" (98 cm) L x 1.5" (3.8 cm) H x 3.6" (9.1 cm) D |
| MOUNTING              | Surface mounts on 2.77" (7.0 cm) centers or Suction Cup mount  |
| CERTIFICATIONS        | SAE J595, Class 1 certified and CA Title 13, Article 22 compliant  |
| WARRANTY              | Five-year  |

## ACCESSORIES

# visors

Light not included.

- a. Chevrolet Tahoe, pair
- b. Chevrolet Impala, pair
- c. Dodge Charger, single

#PUL3M02  
 #PUL3M03  
 #PUL3M04





## Features

- > LED 'hide away' insert elevates safety lighting with interchangeable lenses that tailor the light output to complement your mounting application
- > 2 additional lenses available for customized light output
- > Retrofits with existing 1" strobe tube cutouts in headlight, taillight or corner lights in all types of commercial vehicles
- > Optional cruise mode reduces light output to 20% brightness
- > Use with optional bezels to surface mount to any flat area on the vehicle body for additional lighting anywhere

## LED Inserts



### Screw-In LED Inserts

10' Cable Length, 10-16 Vdc

#ELUC2SØ1Ø(x)

10' Cable Length, 10-30 Vdc

#ELUC2HØ1Ø(x)

Includes extreme angle lens, inline flasher and cable for hardwire installation

10' Cable Length with Quick Connect

#ELUCCSØ1Ø(x)

25' Cable Length

#ELUC2SØ25(x)

Replace (x) n the Order Number for Color Selection

Solid Colors: A =  B =  G =  R =  W =   
Dual/Spilt Colors: D =  E =  F =  H =  J =  K =  L =  M =  N =  P = 

## Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 33 flash patterns  |
| LIGHT SYNC            | 4  |
| LED COUNT             | 6 LEDs   |
| INPUT VOLTAGE         | 10-16 Vdc or 10-30 Vdc   |
| CURRENT DRAW          | < 1.0 Amp (flash pattern dependent) @ 12.8 Vdc   |
| OPERATING TEMPERATURE | -40° C to +65° C   |
| DIMENSIONS            | Insert: 1.5" (3.8 cm) Diameter x 0.9" (2.3 cm) H<br>Bezel: 2.2" (5.6 cm) L x 1.65" (4.2 cm) H x 0.63" (1.6 cm) D   |
| MOUNTING              | Headlight/Taillight mount into 1" Diameter cutouts<br>Screw-In Surface mount with optional bezel<br>Bezel mounts on 1.89" (4.8 cm) centers<br>Twist-In or Push-In options are also available |
| CERTIFICATIONS        | EMC, ECE R10 (10-16 Vdc only)  |
| WARRANTY              | Five-year  |







## LED Inserts

[continued]



ACCESSORIES Light not included.

### bezels

- a. White
- b. Black
- c. Chrome

Includes mounting gasket and hardware

#PLUC2HSW  
#PLUC2HSB  
#PLUC2HSC



### additional lens

- a. Extreme Angle
- b. Horizontal
- c. Vertical

#PLUC2LN1E  
#PLUC2LN1H  
#PLUC2LN1V



### kits

Push-In  
Twist-In

#PLUCPGR1  
#PLUCTCL1

# UNDER COVER STROBE INSERTS

## Strobe Inserts



Push-in, Black Base, Clear Tube - White  
Twist-in, Black Base, Clear Tube - White

#ETUPØC-P  
#ETUCØC-P

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | Power supply dependent (refer to Strobe Power Supply) |
| INPUT VOLTAGE         | 35 Watts  |
| CURRENT DRAW          | Power supply dependent                                |
| OPERATING TEMPERATURE | -20° C to +65° C / -28° F to +149° F                  |
| DIMENSIONS            | 1.7" (4.3 cm) H x 1.6" (4.1 cm) Flange Diameter       |
| WARRANTY              | One-year  |

### Features

- > Traditional strobe head inserts powered by a 35 watt dual Helix strobe tube
- > Screw-in style has a flange base that is attached to the vehicle by using supplied screws
- > Push-in style has a grommet base and is installed by simply pushing the base through a pre-drilled hole
- > Inserts include 5.5" wire length with attached connector and mounting screws for installation

## Strobe Power Supply



Galileo

#ETG69Ø-P

### Technical Specifications

|                |  |
|----------------|--|
| FLASH PATTERNS | 7 flash patterns:<br>Quad, Double, Quint, Warp, Inter-cycle, Triple and Single |
| TECHNOLOGY     | 6 Outputs, 90 Watts  |
| INPUT VOLTAGE  | 10-30 Vdc  |
| CURRENT DRAW   | 9 Amp draw @ 12 Volts  |
| WARRANTY       | Two-year   |

### Features

- > Single pattern select wire for easier pattern selection and low power mode with lower amp draw
- > Features high/low intensity control, selective switching, RF/RFM filtration and reverse polarity protection

## 4" Round LED Signal Lights



### 4" LED Round Amber Turn

With Flange

#ECVR44TY-FA

With Grommet

#ECVR42TY-FA

**CERTIFICATIONS:** FMVSS 108 certified; SAE J222, J588 and J1395 certified



### 4" LED Round Red Stop/Tail/Turn

With Flange

#ECVR44STT-FA

With Grommet

#ECVR42STT-FA

**CERTIFICATIONS:** FMVSS 108 certified; SAE J585, J586, J588 and J1398 certified



### 4" LED Round White Backup

With Flange

#ECVR44B3W-FA

With Grommet

#ECVR42B2W-FA

**CERTIFICATIONS:** FMVSS 108 certified; SAE J587 and J593 certified



## 6" Oval LED Signal Lights



### 6" LED Oval Red Stop/Tail/Turn

With Grommet

#ECVO62STT-FA

With Grommet and Deutsch Connector

#ECVO62STT-DFA

**CERTIFICATIONS:** FMVSS 108 certified; SAE J585, J586 and J588 certified



### 6" LED Oval Amber Park/Turn

With Grommet

#ECVO62TY-FA

With Grommet and Deutsch Connector

#ECVO62TY-DFA

**CERTIFICATIONS:** FMVSS 108 certified; SAE J222, J586 and J588 certified



### 6" LED Oval White Backup

With Grommet

#ECVO62B2W-FA

With Grommet and Deutsch Connector

#ECVO62B2W-DFA

# 200 and 250 Series LED Marker Lights

## 2" Round LED Marker

With Grommet and Mating Harness

With Integrated Waterproof Mounting Flange

#ECVML2Ø2(x)

#ECVML2Ø3(x)

**CERTIFICATIONS:** FMVSS 108 certified; Sidemarkers Lamp, P2 rated; Clearance, Sidemarkers and LD Lamp, P3 rated; SAE J592 and J2042 certified

## 2.5" Round LED Marker

With Grommet and Mating Harness

With Grommet and Deutsche Connector

24 Volt with Grommet and Deutsche Connector

#ECVML252(x)

#ECVML252(x)-D

#ECVML252(x)-D24V

**CERTIFICATIONS:** FMVSS 108 certified; Sidemarkers Lamp, P2 rated; Clearance, Sidemarkers and LD Lamp, P3 rated; SAE J592 and J2042 certified

Replace (x) in the Order Number for Color Selection

A=  R= 



# Compact LED License Plate Light

Standard

With Deutsch Connector

#ECVLPBLED

#ECVLPBLED-D

**CERTIFICATIONS:** FMVSS 108 certified and SAE J587 certified





Go Further







# Ford OEM Solutions

FORD SUPER DUTY  
AMBER LED KITS

FORD F-150  
AMBER LED KIT

FORD F-150  
WHITE LED REAR  
TASK LIGHT KIT



## Super Duty Amber LED Kits

2011 - 2016 MODEL YEARS

All Cab Configurations

### Features

- > Sleek, forward-facing lights provide high visibility
- > Rear-facing lights distribute 180-degrees of output
- > No-drill application
- > Quick installation
- > Compatible with Ford Up-Fitter switches
- > 3-year/36,000 mile warranty



**Amber LED Kit: Upfitter Switch Application**  
**#VEC3Z-13C788-A**



**Amber LED Kit: Non-Upfitter Switch Application**  
(pre-mounted switch panel included)

**#VEC3Z-13C788-BA**

**#VEC3Z-13C788-CA**

**#VEC3Z-13C788-DA**

Steel Grey, Interior

Adobe, Interior

Charcoal Black, Interior



intersector



Intersector Surface Mount  
DOT Certified



GHOST



GHOST® Deck/Grille Mount  
DOT Certified





## F-150 Amber LED Kit F-150 White LED Rear Task Light Kit

2015 AND 2016 MODEL YEARS

All Cab Configurations

### Features

- > Sleek, forward-facing lights provide high visibility
- > Rear-facing lights distribute 180-degrees of output
- > No-drill application
- > Quick installation
- > 3-year/36,000 mile warranty



**Amber LED Kit**  
(pre-mounted switch panel included)  
**#VGL3Z-13C788-A**



**White LED Rear Task Light Kit**  
(pre-mounted switch panel included)  
**#VFL3Z-13C788-A**



intersector



Intersector Surface Mount  
DOT Certified



GHOST



GHOST® Deck/Grille Mount  
DOT Certified



# Electronics





# Electronics

SWITCHES

HEADLIGHT FLASHERS

TAILLIGHT FLASHER

LED LIGHT FLASHER

LED LOAD MODULE

LED STROBE  
PULSE MODULE

IGNITION SECURITY  
SYSTEMS

BACK-UP ALARMS

# Intelliswitch

## 993 and 990 Professional Use Digital Switches

### Features

#### 993 Digital Switch with Power Pursuit Buttons

- > Offers 11 programmable buttons: 9 total Ryno-Tuf push buttons, 3 power pursuit with 2 hidden "discreet" membrane buttons located behind the SoundOff Signal® logo
- > Configure the power pursuit buttons to operate any combination of the 6 remaining push buttons automatically, eliminating hours of tedious wiring
- > 2 hidden membrane switches can be programmed for discreet functions of your choice such as timed gun lock

#### 990 60 Amp Digital Switch

- > Offers 6 Ryno-Tuf durable push buttons that are fully programmable with 60 amps maximum output with 1 push button that can be set as an 8 second timed momentary if needed

#### 993 Digital Switch with Power Pursuit Buttons and 990 60 Amp Digital Switch

- > Models offer high speed action, low current draw and increased reliability with efficient digital technology
- > Switches can be console mounted if desired
- > Compact, slim design with self performing diagnostics at power-up to ensure optimum performance



993 Digital Switch with Power Pursuit Buttons

#ETSP993



990 Digital Switch

#ETSP990



Both models feature Ryno-Tuf push buttons, 60 title legend sheets and optional bracket with mounting hardware.

### Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 12 Vdc   |
| CURRENT DRAW  | Intelliswitch993: 12 Amps maximum<br>Intelliswitch990: 60 Amps maximum |
| DIMENSIONS    | 6.5" (16.5 cm) L x 2.5" (6.4 cm) H x 2" (5.1 cm) D                     |
| MOUNTING      | 2-piece swivel style bracket included or can be console mounted        |
| WARRANTY      | Five-year  |

# 900 and 600 Series Switches



900 Series Function Switch **#ETSP9F**



600 Series 6 Function Switch **#ETSP6F**

## Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 12 Vdc   |
| CURRENT DRAW  | 900 Series: 60 Amps max<br>600 Series: 40 Amps max |
| DIMENSIONS    | 6.2" (16 cm) W x 2.2" (5.6 cm) H x 5.2" (13 cm) D  |
| WARRANTY      | One-year   |

# Directional Arrow Switch



Directional Arrow Switch **#ETSWDAS01**

## Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-30 Vdc  |
| CURRENT DRAW  | .8 Amps  |
| DIMENSIONS    | 6.5" (17 cm) W x 3.5" (8.9 cm) H x 1.2" (3 cm) D |
| WARRANTY      | One-year   |

## Features

### 900 Series Function Switch

- > 9 functions: 3-position slide switch with 6 mini rocker switches. Offers slide switch features 20 amps/output with LED indicator on lights

### 600 Series 6 Function Switch

- > 6 mini rocker switches with red LED indicator ON lights. Has a single 40 amp relay/circuit breaker with 5-20 amp fused switch output

### 900 Series Function Switch and 600 Series 6 Function Switch

- > Includes switch box with universal bracket, mounting hardware, switch labels and 18" pigtail with insulated quick connects for termination

## Features

- > 7 programmable warning modes with a fully illuminated display to show pattern activated and input selected
- > Control multiple directional arrow
- > Built-in Smart Sensor detects inputs from another switching source so it may be used with other manufacturers directional arrow products
- > For use with LED lights only



# SELECT-A-PATTERN TECHNOLOGY

## Solid State Headlight Flashers



18" Wire Leads  
AMP Connector  
Heavy Duty Model (14 amp)  
Amp Connector and Harness (14 amp)  
DRL Compatible Model (12 vdc)  
Isolation Model (12 vdc)

#ETHFSS-SP  
#ETHFSS-SPA  
#ETHDSS-SP  
#ETHFSS-SPFL  
#ETHFSS-SP-CMP  
#ETHFSS-SP-ISO

### Technical Specifications

|               |  |
|---------------|--|
| WATTS         | 2-110 Watt outputs<br>2-150 Watt outputs: Heavy duty model (14 Amp) #ETHDSS-SP |
| INPUT VOLTAGE | 8-30 Vdc   |
| DIMENSIONS    | 4.7" (12 cm) L x 2" (5.1 cm) H x 0.7" (1.8 cm) D                               |
| MOUNTING      | 4" (10 cm) centers, 18" (46 cm) wires  |
| WARRANTY      | Five-year  |

## Taillight Flasher



Solid State, Flashback® Alternating  
Solid State, Flashback® Alternating with Fleet Harness

#ETFBSSN-P  
#ETFBSANFL

### Technical Specifications

|               |  |
|---------------|--|
| INPUT VOLTAGE | 10-16 Vdc  |
| DIMENSIONS    | 4.7" (12 cm) L x 2" (5.1 cm) H x 0.7" (1.8 cm) D |
| MOUNTING      | 4" (10 cm) centers, 18" (46 cm) wires            |
| WARRANTY      | Five-year  |

### Features

- > Ideal for most "big 3" car models - designed for 2 to 4 headlight positive side switched headlight systems
- > Great for motorcycles with positive side switched headlight systems
- > Select-a-Pattern Technology with 7 user selectable flash patterns: PowerPulse, RoadRunner, ETM, Cycle Flash, Q-Switch, Single Flash or Double Flash Alternating
- > Durable and non-corrosive ABS plastic housing
- > 100% solid state output, potted design for long-lasting, reliable performance
- > Positive switching

### Features

- > 12 wire module with isolating diodes for the brake and reverse wire that are required for many new vehicles
- > For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- > Provides an additional output for deck lights
- > Alternating red and white light creates an effective rear warning signal to greatly reduce rear end collisions
- > 100% solid state, potted design for long-lasting, reliable performance
- > 18" (46 cm) wires
- > Flashback® flash pattern



# LED Light Flasher

## Flasher Pattern Overview

Fast simultaneous flash pattern @ 3.6 f.p.s.

Cycles continuously through 2 - Quint patterns and 4 - WarpFlash patterns

Alternating (wig wag) flash pattern @ 3.0 f.p.s.

Four consecutive flashes @ 235 f.p.m.

Five consecutive flashes @ 140 f.p.m.

Cycles through 3 flash patterns: double flash alternating, fast simultaneous pulse and fast alternating @ 1.9 to 3.0 f.p.s. - pattern repeats every 5.4 seconds

Alternating (wig wag) flash pattern @ 700 f.p.m.

**ETM**

**Inter-Cycle**

**PowerPulse**

**Quad**

**Quint**

**Q-Switch**

**WarpFlash**

## LED Light Flasher



2 Output with 8 Flash Patterns

**#ETFFC02LED**

### Features

- > Synchronizes all LED warning lights - overrides all SoundOff Signal® LED warning lights to take over pattern control
- > 2 LED flashers offer 8 user selectable flash patterns: Double, PowerPulse, Quint, ETM, Q-Switch, WarpFlash, Inter-Cycle and Quad
- > For use with LED lights only

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 3 Amps max per output                               |
| DIMENSIONS    | 3.2" (8.1 cm) L x 0.8" (2.0 cm) W x 0.8" (2.0 cm) D |
| MOUNTING      | On 2.8" (7.1 cm) centers, 12" (31 cm) wires         |
| WARRANTY      | Five-year   |

## Features

- > Solution for erratic flash patterns
- > Adds 10 watt load across LED lamps restoring flash rate of mechanical, turn signal and hazard flashers
- > For use with LED lights only

## Features

- > Converts non self-contained LED warning lights into a "Strobe Pulse" flash effect
- > Flashes any 12 volt LED light up to 3 amps
- > For use with LED lights only

# LED Load Module



LED Load Module

#ECVLDMDL01

## Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| DIMENSIONS    | 3" (7.6 cm) W x 2.43" (6.2 cm) H x 0.75" (1.9 cm) D |
| MOUNTING      | On 2.4" (6.1 cm) centers, 5.5" (14 cm) wires        |
| WARRANTY      | One-year  |

# LED Strobe Pulse Module



LED Strobe Pulse Module

#ETLEDFC1

## Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc                                       |
| DIMENSIONS    | 3" (7.6 cm) W x 1" (2.5 cm) H x 1.5" (3.8 cm) D |
| MOUNTING      | On 2.5" (6.4 cm) centers, 16" (41 cm) wires     |
| WARRANTY      | One-year  |

# Ignition Security Systems

## Heavy Duty Model



Heavy Duty Model **#ETISSO-06+**

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 8 outputs, 130 Amps total   |
| DIMENSIONS    | 6" (15 cm) L x 3.5" (8.9 cm) H x 1.5" (3.8 cm) D  |
| MOUNTING      | Behind the dash and within the wire length of the steering column, on 5.6" (14 cm) centers, 16" (41 cm) wires |
| WARRANTY      | One-year  |

### Features

- > Designed to be compatible with many different types of vehicles
- > For older heavy duty vehicles that require higher current draw through the ignition switch
- > Allows the vehicle to stay running when the key is removed from the ignition switch
- > Brake pedal and shift lever movement disables the ignition security system and stops the engine (sounds horn if connected)
- > Over-ride simply deactivates by turning the key to the run position and depressing brake
- > Additional relay output provides normally open or normally closed contact for starter disable, gun lock disable, camera record, etc.
- > Optional horn or siren alarm

## Standard Model



Standard Model **#ETISSO-07+**

### Technical Specifications

|               |   |
|---------------|---|
| INPUT VOLTAGE | 10-16 Vdc   |
| CURRENT DRAW  | 4-10 Amp output   |
| DIMENSIONS    | 6" (15 cm) L x 3.4" (8.6 cm) H x 0.8" (2.0 cm) D  |
| MOUNTING      | Behind the dash and within the wire length of the steering column, on 5.6" (14 cm) centers, 24" (61 cm) wires |
| WARRANTY      | One-year  |

### Features

- > Easy to install and designed to be compatible with different vehicles
- > Quick installation by use of quick connect "T-tap" connectors
- > Connectors allow for quick replacement/removal of the ignition security system
- > Allows the vehicle to stay running when the key is removed from the ignition switch
- > Brake pedal and shift lever movement disables the ignition security system and stops the engine (sounds horn if connected)
- > Over-ride simply deactivates by turning the key to the run position and depressing brake
- > Automatic low voltage detection will activate the horn to provide notification of vehicle problems
- > Additional universal output provides normally open or normally closed contact for starter disable, gun lock disable, camera record, etc.



## 2000 and 2200 Back-Up Alarms

### Features

- > Weatherproof epoxy encapsulated circuit board weatherproofs against the most severe elements
- > Vibration resistant for heavy equipment usage
- > Protected against voltage spikes and reverse polarity
- > Universal mounting capability
- > The 2000 model has wire leads or ground clip options
- > The 2200 model has wire leads for easy installation



#ETBASS2000



#ETBASS2200

### Technical Specifications: 2000 and 2200

|                       |   |
|-----------------------|---|
| VOLTAGE               | 12-24 Vdc   |
| DB LEVEL              | #ETBASS2200: 107 dB<br>#ETBASS2000: 97 dB   |
| CURRENT DRAW          | #ETBASS2200: < 8 Amps<br>#ETBASS2000: <.6 Amps  |
| OPERATING TEMPERATURE | -40° F to 185° F  |
| DIMENSIONS            | #ETBASS2200: 4.25" (10.3 cm) W x 2.74" (7.0 cm) H x 1.62" (4.1 cm) D<br>#ETBASS2000: 4" W (10.1 cm) W x 2.73" (6.9 cm) H x 1.62" (4.1 cm) D |
| CERTIFICATIONS        | #ETBASS2200: SAE J994 Type B certified<br>#ETBASS2000: SAE J994 Type C certified  |
| WARRANTY              | Two-year  |



## 3500 Back-Up Alarm



#ETBASS3500

### Features

- > Weatherproof epoxy encapsulated circuit board weatherproofs against the most severe elements
- > Vibration resistant for heavy equipment usage
- > Protected against voltage spikes and reverse polarity
- > Universal mounting capability

### Technical Specifications: 3500

|                       |  |
|-----------------------|--|
| VOLTAGE               | 12-24 Vdc  |
| DB LEVEL              | 87-112 dB (self adjusting)                         |
| CURRENT DRAW          | <.8 Amps   |
| OPERATING TEMPERATURE | -40° F to 185° F                                   |
| DIMENSIONS            | 5" (12.7 cm) W x 3.11" (7.9 cm) H x 4" (10.2 cm) D |
| CERTIFICATION         | UL certified                                       |
| WARRANTY              | Two-year   |



# Interior Lighting



# Interior Lighting

DOME LED

STRIP LED



# Dome LED Interior Lights

## Dome Light with Red LED Night Light

### Features

- > Dome light has a red LED night light to reduce officer targeting
- > Officer can see clearly inside and outside the vehicle when the red LED night light is turned on
- > Available for police package vehicles with plug-in connector for quick and easy installation
- > LED dome lights offer a low amp draw, superior efficiency and hours of long-lasting reliability
- > A great light for drivers working night shifts - red LED night light is gentle on the eyes reducing eye fatigue



|   |           |               |
|---|-----------|---------------|
| Dodge Charger, Ford PI Sedan and Ford Utility | 10-30 Vdc | #ECVDMLTALDC  |
| Fresno Clear Lens                             | 10-30 Vdc | #ECVDMLT2AL00 |
| Universal                                     | 10-30 Vdc | #ECVDMLTAL00  |

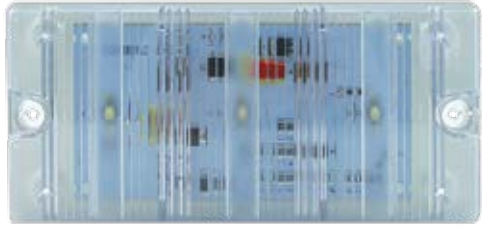


### Technical Specifications

|                       |   |
|-----------------------|---|
| CURRENT DRAW          | < 0.2 Amps for LED                      |
| TECHNOLOGY            | 1 White LED and 8 Red LEDs              |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +65° F     |
| DIMENSIONS            | 5.9" (15 cm) Diameter x 0.9" (2.3 cm) D |
| MOUNTING              | Surface mount                           |
| WARRANTY              | Five-year                               |

# Dome LED Interior Lights

## White Universal LED Dome Lights



White LED Dome

10-30 Vdc

#ECVDMILTST2



White LED Dome

10-16 Vdc

#ECVDMILTST4

### Features

#### White LED Dome Light

##### 10-30 Vdc

- > Exclusive lens design disperses the maximum amount of light
- > Easy on the electrical system
- > Durable polycarbonate lens
- > Great for interior light for overhead lighting
- > Includes 7 inch length lead/ mounting screws for installation

#### White LED Dome Light

##### 10-16 Vdc

- > Easy on the electrical system
- > Simple 2-wire electrical connection
- > Great for interior light for overhead lighting
- > Includes 2-wire lead with 5 inch length/ mounting screws for installation

### Technical Specifications

|              |  |
|--------------|--|
| CURRENT DRAW | #ECVDMILTST2: < 0.65 Amps<br>#ECVDMILTST4: < 0.45 Amps   |
| DIMENSIONS   | #ECVDMILTST2: 7" (17.78 cm) W x 3.25 (8.25 cm) H<br>#ECVDMILTST4: 6" (15.24 cm) W x 3" (7.62 cm) H |
| MOUNTING     | Surface mount  |
| WARRANTY     | #ECVDMILTST2: Five-year<br>#ECVDMILTST4: One-year  |

# Strip LED Interior Lights

## Strip LED Light



12" Length, 10-16 Vdc

#ECVCSMLEDF

12" Length, 10-30 Vdc

#ECVCSMLEDF-24

### Technical Specifications

|              |           |
|--------------|-----------|
| CURRENT DRAW | 0.4 Amps  |
| WARRANTY     | Five-year |

### Features

- > Light has a white steel base with a scratch resistant polycarbonate lens
- > Specially engineered Fresnel lens to boost light output and brightness
- > Includes 2-wire lead with a 18" length

## 90 Degree Corner Mount Strip LED Light



10" Length, 10-16 Vdc

#ECVCSLLED1Ø

21" Length, 10-16 Vdc

#ECVCSLLED21

32" Length, 10-16 Vdc

#ECVCSLLED32

43" Length, 10-16 Vdc

#ECVCSLLED43

10" Length, 10-30 Vdc

#ECVCSLLED10-3Ø

21" Length, 10-30 Vdc

#ECVCSLLED21-3Ø

32" Length, 10-30 Vdc

#ECVCSLLED32-3Ø

43" Length, 10-30 Vdc

#ECVCSLLED43-3Ø

### Technical Specifications

|              |   |
|--------------|---|
| CURRENT DRAW | LED 90° Corner Mount Strip Light: 0.4 Amps per 12" length |
| WARRANTY     | Five-year   |

### Features

- > Streamlined, low amp draw LED lighting
- > Housing design allows for clean wire management behind light
- > Easy installation - make a simple 2-wire electrical connection
- > Glossy white powder coated aluminum housing with a polycarbonate lens
- > Includes 2-wire lead with a 18" length



## Flush Mount Strip LED Light



12" Length, 10-16 Vdc

**#ECVCLLED12**

24" Length, 10-16 Vdc

**#ECVCLLED24**

36" Length, 10-16 Vdc

**#ECVCLLED36**

42" Length, 10-16 Vdc

**#ECVCLLED42**

### Technical Specifications

|              |  |
|--------------|--|
| CURRENT DRAW | LED Flush Mount Strip Light: 0.4 Amps per 12" length |
| WARRANTY     | Five-year  |

### Features

- > Specially engineered lens optic directs light away from viewer's eye
- > Glossy white powder coated aluminum housing with a polycarbonate lens
- > Includes 2-wire lead with a 18" length and end/trim caps

# Beacons





# Beacons

LED

STROBE

# BEACONS

## 4800 Series LED



### Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Heavy duty cast aluminum base

### Magnetic Mount

|                               |              |
|-------------------------------|--------------|
| 4" Dome Amber Lens/Amber LEDs | #ELB48BML+AA |
| 4" Dome Blue Lens/Blue LEDs   | #ELB48BML+BB |
| 6" Dome Amber Lens/Amber LEDs | #ELB48BMH+AA |
| 6" Dome Blue Lens/Blue LEDs   | #ELB48BMH+BB |

### Flat/Pipe Mount

|                               |              |
|-------------------------------|--------------|
| 4" Dome Amber Lens/Amber LEDs | #ELB48BCLØAA |
| 4" Dome Blue Lens/Blue LEDs   | #ELB48BCLØBB |
| 6" Dome Amber Lens/Amber LEDs | #ELB48BCHØAA |
| 6" Dome Blue Lens/Blue LEDs   | #ELB48BCHØBB |

### ACCESSORIES Beacon not included.



### branch guards

|                                 |            |
|---------------------------------|------------|
| Branch Guard, 4" Height         | #PESB41BG4 |
| Branch Guard, 6" Height (shown) | #PESB41BG6 |



### dust cover

|                               |          |
|-------------------------------|----------|
| Dust Cover, 6" Height (shown) | #E36ØDC6 |
|-------------------------------|----------|

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 6 flash patterns   |
| LED COUNT             | 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 1.5 Amps @ 12 Vdc, .75 Amps @ 24 Vdc   |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 4" Dome with base: 5" (12 cm) H, 6.3" (16 cm) base diameter<br>6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | ECE65 Class 1 certified  |
| WARRANTY              | Five-year  |

# BEACONS

## 4700 Series LED



### Magnetic Mount

5" Dome Amber Lens/Amber LEDs

#ELB47BML+A

5" Dome Clear Lens/Amber LEDs

#ELB47BML+AC

### Flat/Pipe Mount

5" Dome Amber Lens/Amber LEDs

#ELB47BCLØA

5" Dome Clear Lens/Amber LEDs

#ELB47BCLØAC

### Features

- > Flash pattern with 150 rotations per minute
- > 36 powerful LEDs provide 360 degrees of advanced optimal light distribution
- > Waterproof IP67 and PC lens to combat dust build-up
- > Rugged polycarbonate base

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 9 flash patterns   |
| LED COUNT             | 36 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 13 Watts average (low current)                                     |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 5" Dome with base: (12.7 cm) H, 7.37" (18.72 cm) base diameter     |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | SAE J845 Class 1 certified and ECE65 Class 1, tested and certified |
| WARRANTY              | Three-year   |



# BEACONS

## 4500 Series LED

### Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Heavy duty cast aluminum base
- > SAE J845 Class 1 certified



Replace (x) and (xx)'s in Order Number for Personalized Selections

#ELB45B(x)(xx)(xx)

(x) = Mounting Options: Flat/Pipe = **C**  
Magnetic = **M**

(xx) = Height Options: Flat/Pipe, Low 4" Dome = **LØ**  
Flat/Pipe, High 6" Dome = **HØ**  
Magnetic Mount, Low 4" Dome = **L+**  
Magnetic Mount, High 6" Dome = **H+**

(xx) = LED / Dome Color Options: Amber / Amber = **AA**  
Amber / Clear = **AC**  
Amber and White / Clear = **FC**  
Blue / Blue = **BB**  
Green / Clear = **GC**

Green / Green = **GG**  
Red and Blue / Clear (low dome only) = **JC**  
Red / Clear = **RC**  
Red / Red = **RR**  
White / Clear = **WC**

### ACCESSORIES Beacon not included.



### branch guards

Branch Guard, 4" Height **#PESB41BG4**  
Branch Guard, 6" Height (shown) **#PESB41BG6**



### dust cover

Dust Cover, 6" Height (shown) **#E36ØDC6**

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 8 flash patterns   |
| LED COUNT             | 12 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 1 Amp @ 12 Vdc, 0.5 Amps @ 24 Vdc  |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 4" Dome with base: 5" (12 cm) H, 6.3" (16 cm) base diameter<br>6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | SAE J845 Class 1 certified   |
| WARRANTY              | Five-year  |

# BEACONS

## 4200 Series LED



Replace (x) and (xx's) in Order Number for Personalized Selections

**#ELB42B (x) (xx) (xx)**

**(x) = Mounting Options:**

Flat/Pipe = **C**  
Magnetic = **M**

**(xx) = Height Options:**

Flat/Pipe, Low 4" Dome = **LØ**  
Flat/Pipe, High 6" Dome = **HØ**  
Magnetic Mount, Low 4" Dome = **L+**  
Magnetic Mount, High 6" Dome = **H+**

**(xx) = LED / Dome Color Options:**

Amber / Amber = **AA**  
Amber / Clear = **AC**  
Amber and White / Clear = **FC**  
Blue / Blue = **BB**  
Green / Clear = **GC**

Green / Green = **GG**

Red and Blue / Clear (low dome only) = **JC**

Red / Clear = **RC**

Red / Red = **RR**

White / Clear = **WC**

**ACCESSORIES** Beacon not included.



### branch guards

Branch Guard, 4" Height

**#PESB41BG4**

Branch Guard, 6" Height (shown)

**#PESB41BG6**



### dust cover

Dust Cover, 6" Height (shown)

**#E36ØDC6**

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 8 flash patterns   |
| LED COUNT             | 4 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 1 Amp @ 12 Vdc, 0.5 Amps @ 24 Vdc  |
| OPERATING TEMPERATURE | -40° C to 65° C  |
| DIMENSIONS            | 4" Dome with base: 5" (12 cm) H, 6.3" (16 cm) base diameter<br>6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount  |
| CERTIFICATIONS        | SAE J845 Class 2 certified   |
| WARRANTY              | Five-year  |

### Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Heavy duty cast aluminum base

# BEACONS

## 4400 Series LED



### Features

- > Synchronizing ability for up to 8 beacons
- > 12 extremely bright LEDs allow for advanced optimal light distribution
- > Waterproof IP65
- > Rugged polycarbonate base

#### Magnetic Mount

6" Dome Amber Lens/Amber LEDs

#ELB44BMH+AA

#### Flat/Pipe Mount

6" Dome Amber Lens/Amber LEDs

#ELB44BCHØAA

### Technical Specifications

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 20 flash patterns   |
| LED COUNT             | 12 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 2 Amps maximum  |
| OPERATING TEMPERATURE | -30° C to 50° C   |
| DIMENSIONS            | 6" Dome with base: 6.8" (17 cm) H, 6.3" (16 cm) base diameter |
| MOUNTING              | Magnetic or Flat/Pipe mount with 24" cable wire               |
| CERTIFICATIONS        | SAE J845 Class 1 certified                                    |
| WARRANTY              | Three-year  |

# BEACONS

## 1500 Series LED Mini



### Permanent Mount

Amber Lens

#ELB15BCØAA

### Features

- > UL safety tested
- > CE mark for European markets; product conforms to legal requirements with respect to safety, health, environment and consumer protection

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 1 flash pattern @ 60 f.p.m.s               |
| LED COUNT             | 6 LEDs                                     |
| INPUT VOLTAGE         | 10-80 Vdc                                  |
| CURRENT DRAW          | 250 mA @ 12 Vdc or 40 mA @ 80 Vdc          |
| OPERATING TEMPERATURE | -40° C to 50° C                            |
| DIMENSIONS            | 5.2" (13 cm) H, 3.8" (10 cm) base diameter |
| MOUNTING              | Permanent mount                            |
| WARRANTY              | Two-year                                   |

## Features

- > Lens with UV inhibitor prevents sun fade
- > Rated to last 20,000+ hours
- > Advanced circuitry designed tolerate high vibration applications

# BEACONS

## 3000 Strobe Series



Replace (xx) and (x's) in Order Number for Personalized Selections

#3(xx)7(x)(x)(x)

(xx) = Watt Options: 10 Watt = 1Ø  
20 Watt = 2Ø

(x) = Height Options: Low 4" Dome = L  
High 6" Dome = H

(x) = Mounting Options: Flat/Pipe = C  
Magnetic = M

(x) = Dome Color Options: Amber = A  
Clear = C



### ACCESSORIES Beacon not included.



## branch guards

Branch Guard, 4" Height

#PESB41BG4

Branch Guard, 6" Height (shown)

#PESB41BG6



## dust cover

Dust Cover, 6" Height (shown)

#E36ØDC6

### Technical Specifications

|                       |  |
|-----------------------|--|
| FLASH PATTERNS        | 2 flash patterns - double or quad (user selectable)  |
| TECHNOLOGY            | Xenon Helix Strobe Tube  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 10 Watts: 1 Amp @ 12 Vdc, 0.5 Amps @ 24 Vdc<br>20 Watts: 2 Amps @ 12 Vdc, 1 Amp @ 24 Vdc             |
| OPERATING TEMPERATURE | -40° C to 50° C  |
| DIMENSIONS            | 4" Dome with base: 4.75" (12 cm) H<br>6" Dome with base: 6.7" (17 cm) H x 6.3" (16 cm) base diameter |
| MOUNTING              | Permanent or Magnetic mount (polycarbonate lens and black base)                                      |
| CERTIFICATIONS        | SAE J1318 Class 2 certified  |
| WARRANTY              | Two-year (strobe tube, one-year)   |

# BEACONS

## 2000 and 1000 Series Strobe Mini



### 2000 Series, Permanent Mount

Amber Lens

#2Ø51FA

### 2000 Series, Magnetic Mount

Amber Lens

#2Ø51MA



### 1000 Series, Permanent Mount

Amber Lens

#1Ø51FA

## Features

- > The 2000 and 1000 Series strobe mini beacons are compact sized and are perfect for smaller equipment like fork lifts and bobcats
- > Superior input voltage range allows use in multiple applications
- > Self contained, potted power supplies are protected from moisture and vibration

## Technical Specifications: 2000 and 1000 Series

|                       |   |
|-----------------------|---|
| FLASH PATTERNS        | 1 flash pattern @ 60-80 f.p.m.  |
| TECHNOLOGY            | Linear Strobe Tube  |
| INPUT VOLTAGE         | 10-72 Vdc   |
| CURRENT DRAW          | 0.3 Amps @ 12 Vdc   |
| OPERATING TEMPERATURE | -40° C to 50° C   |
| DIMENSIONS            | 2000 Series: 3.6" (9.14 cm) H, 5.1" (12.95 cm) Base Diameter<br>1000 Series: 5.2" (13 cm) H, 3.8" (10 cm) Base Diameter |
| MOUNTING              | 2000 Series: Permanent or Magnetic mount<br>1000 Series: Permanent mount  |
| WARRANTY              | One-year  |



# Work Area Lighting





# Work Area Lighting

WORK LIGHTS

SCENE LIGHTS

SPOT LIGHTS

# PAR36

## 1400 Lumen LED Work Lights

### Features

- > Protection against reverse polarity and load dump
- > LEDs offer better energy efficiency - uses 75% less energy than sealed beams
- > Visual clarity - crystal clear polycarbonate lenses with extremely bright, white LEDs illuminate the darkest work areas
- > Lasts for years with 50 times the lifespan of sealed beam halogens and 10 times that of HID bulbs (30,000+ hours of use)
- > Includes U-bracket with 20" wire length



Spot Lens



Flood and Trapezoid Lens

### 1400 Lumen

Spot Lens

#EWLB1400DBDS0W

Flood Lens

#EWLB1400DBDF0W

Trapezoid Lens

#EWLB1400DBDT0W

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERNS |   |
| Spot:                 | 10°   |
| Flood:                | 40° H x 25° V   |
| Trapezoid:            | 40° H. x 15° V  |
| LED COUNT             | 9 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | 2.5 Amps @ 12.8 Vdc   |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                          |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) |
| MOUNTING              | Surface mount with U-bracket                                  |
| CERTIFICATIONS        | SAE DOT Lens Marking  |
| WARRANTY              | Three-year  |

# PAR36

## 1000 Lumen LED Work Lights



Spot Lens



Flood and Trapezoid Lens

### 1000 Lumen

Spot Lens

Flood Lens

Trapezoid Lens

#EWLB1000DBDS0W

#EWLB1000DBDF0W

#EWLB1000DBDT0W

### Features

- > Protection against reverse polarity and load dump
- > LEDs offer better energy efficiency - uses 75% less energy than sealed beams
- > Visual clarity - crystal clear polycarbonate lenses with extremely bright, white LEDs illuminate the darkest work areas
- > Lasts for years with 50 times the lifespan of sealed beam halogens and 10 times that of HID bulbs (30,000+ hours of use)
- > Includes U-bracket with 20" wire length

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERNS |   |
| Spot:                 | 10°   |
| Flood:                | 40° H x 25° V   |
| Trapezoid:            | 40° H. x 15° V  |
| LED COUNT             | 6 LEDs  |
| INPUT VOLTAGE         | 10-16 Vdc   |
| CURRENT DRAW          | 2 Amps @ 12.8 Vdc   |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F                          |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) |
| MOUNTING              | Surface mount with U-bracket                                  |
| CERTIFICATIONS        | SAE DOT Lens Marking  |
| WARRANTY              | Three-year  |

# PAR36

## 1000 Lumen LED Work Lights

### Features

- > Intense and bright, built for demanding environments
- > Certified to IP67 specifications for rigorous dust and water immersion testing
- > Rated to last 30,000+ hours for long-lasting and reliable, bright white light sources
- > Low maintenance and reduced operating costs
- > Includes adjustable mounting U-bracket with 180° of tilt forward or backward to aim the light as needed



Spot Lens



Flood and Trapezoid Lens

### 1000 Lumen

Spot Lens

Flood Lens

Trapezoid Lens

#EWLA1000DBDS0W

#EWLA1000DBDF0W

#EWLA1000DBDT0W

### Technical Specifications

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS |  |
| Flood:                | 40° H x 25° V,   |
| Spot:                 | 10°  |
| Trapezoid:            | 40° H. x 15° V   |
| LED COUNT             | 6 LEDs   |
| INPUT VOLTAGE         | 10-50 Vdc (worldwide use)  |
| CURRENT DRAW          | 2 Amps @ 12.8 Vdc, 1.1 Amps @ 25.6 Vdc, 0.6 Amps @ 51.2 Vdc                      |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) (includes bracket) |
| MOUNTING              | Surface mount with U-bracket   |
| CERTIFICATIONS        | SAE DOT Lens Marking   |
| WARRANTY              | Three-year   |



# PAR36

## 500 Lumen LED Work Lights



Spot Lens



Flood and Trapezoid Lens

### 500 Lumen

Spot Lens

Flood Lens

Trapezoid Lens

#EWLA0500DBDS0W

#EWLA0500DBDF0W

#EWLA0500DBDT0W

### Features

- > Intense and bright, built for demanding environments
- > Certified to IP67 specifications for rigorous dust and water immersion testing
- > Rated to last 30,000+ hours for long-lasting and reliable, bright white light sources
- > Low maintenance and reduced operating costs
- > Includes adjustable mounting U-bracket with 180° of tilt forward or backward to aim the light as needed

### Technical Specifications

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS |  |
| Flood:                | 40° H x 25° V,   |
| Spot:                 | 10°  |
| Trapezoid:            | 40° H. x 15° V   |
| LED COUNT             | 6 LEDs   |
| INPUT VOLTAGE         | 10-50 Vdc (worldwide use)  |
| CURRENT DRAW          | 1.3 Amps @ 12.8 Vdc, 0.6 Amps @ 25.6 Vdc, 0.3 Amps @ 51.2 Vdc                    |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° F to +149° F   |
| DIMENSIONS            | 4.5" (10 cm) W x 2.8" (6.4 cm) D Overall Height: 5.7" (14 cm) (includes bracket) |
| MOUNTING              | Surface mount with U-bracket   |
| CERTIFICATIONS        | SAE DOT Lens Marking   |
| WARRANTY              | Three-year   |



## Features

- > Die cast aluminum housing with a black powder coat finish
- > PC vacuum coated reflector is weather proof and intensifies light output
- > Low current draw and efficient heat dispersion
- > Heavy duty powder coated adjustable mounting bracket included

# 3000

## 3000 Lumen LED Work Light



### 3000 Lumen

Spot Lens (shown)  
Flood Lens

#EWLF3000DBDS0W  
#EWLF3000DBDF0W

### Technical Specifications

|                       |  |
|-----------------------|--|
| ILLUMINATION PATTERNS | Spot and Flood patterns  |
| LED COUNT             | 16 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc  |
| CURRENT DRAW          | 3.75 Amp @ 12.8 Vdc, 1.9 Amp @ 25.6 Vdc; 48 Watts                                  |
| COLOR TEMPERATURE     | 5700k  |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° C to +149° F   |
| DIMENSIONS            | 5.2" (13.3 cm) L x 4.8" (12.5 cm) H x 4.3" (11 cm) D<br>(does not include bracket) |
| MOUNTING              | Surface mount with U-bracket   |
| CERTIFICATIONS        | ECE Reg. 10  |
| WARRANTY              | Three-year   |

# 900

## 900 Lumen LED Work Light



**900 Lumen**  
Flood Lens

#EWLF0900SBDF0W

### Features

- > Die cast aluminum housing with a black powder coat finish
- > Offered in a wide flood pattern
- > Low current draw and efficient heat dispersion
- > Prewired double insulated cable
- > Reverse polarity protected
- > Heavy duty stainless steel adjustable mounting bracket included (shown on the 700 Lumen work light)

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             | 9 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 2.25 Amps @ 12 Vdc, 1.13 Amps @ 24 Vdc                                  |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -104° F to +149° F                                   |
| DIMENSIONS            | 4.6" (12 cm) W x 1.9" (4.9 cm) D, Height: 5" (13 cm) (bracket included) |
| MOUNTING              | Surface mount with U-bracket  |
| WARRANTY              | One-year  |

## Features

- > Die cast aluminum housing with a black powder coat finish
- > Offered in a wide flood pattern
- > Low current draw and efficient heat dispersion
- > Prewired double insulated cable
- > Reverse polarity protected
- > Heavy duty stainless steel adjustable mounting bracket included

# 700

## 700 Lumen LED Work Light



**700 Lumen**  
Flood Lens

**#EWLF0700DBDF0W**

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             | 8 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          | 2 Amps @ 12 Vdc, 1 Amp @ 24 Vdc   |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -104° F to +149° F   |
| DIMENSIONS            | 5.6" (14 cm) D x 2.5" (6.4 cm) Depth, Overall Height: 4.7" (12 cm) (bracket included) |
| MOUNTING              | Surface mount with U-bracket  |
| CERTIFICATIONS        | ECE Reg. 10   |
| WARRANTY              | Three-year  |

# 500

## 500 Lumen LED Work Lights



### 500 Lumen

Flood Lens, Square

#EWLF0500SBDF0W



### 500 Lumen

Flood Lens, Round

#EWLF0500DBDF0W

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             |   |
| 500 Lumen, Square:    | 5 LEDs  |
| 500 Lumen, Round:     | 4 LEDs  |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          |   |
| 500 Lumen, Square:    | 1.25 Amps @ 12 Vdc, 0.63 Amps @ 24 Vdc                            |
| 500 Lumen, Round:     | 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc                                  |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° to +65° C / -40° to +149° F                                  |
| DIMENSIONS            | (bracket included)  |
| 500 Lumen, Square:    | 4.3" (11 cm) W x 1.6" (4.1 cm) D, Height: 5" (13 cm)              |
| 500 Lumen, Round:     | 3.3" (8 cm) D x 2.5" (6.4 cm) Depth, Overall Height: 4.4" (11 cm) |
| MOUNTING              | Surface mount with U-bracket                                      |
| CERTIFICATIONS        | 500 Lumen, Round: ECE Reg. 10                                     |
| WARRANTY              |   |
| 500 Lumen, Square:    | One-year  |
| 500 Lumen, Round:     | Three-year  |

### Features

- > Die cast aluminum housing with a black powder coat finish
- > Offered in a wide flood pattern
- > Low current draw and efficient heat dispersion
- > Prewired double insulated cable
- > Reverse polarity protected
- > Heavy duty stainless steel adjustable mounting bracket included (shown on the 500 Lumen round work light)

# 4000 3000 2200

## 4000, 3000 and 2200 Lumen LED Scene Lights

### Features

- > Die cast aluminum housing with a black powder coat finish
- > PC vacuum coated reflector is weather proof and intensifies light output
- > Low current draw and efficient heat dispersion
- > Heavy duty stainless steel adjustable mounting bracket included



**4000 Lumen**

5 Module

#EWLS4000TBDF0W



**3000 Lumen**

4 Module

#EWLS3000TBDF0W



**2200 Lumen**

3 Module

#EWLS2200TBDF0W

### Technical Specifications

|                       |   |
|-----------------------|---|
| ILLUMINATION PATTERN  | Flood pattern   |
| LED COUNT             |   |
| 4000 Lumen:           | 30 LEDs   |
| 3000 Lumen:           | 24 LEDs   |
| 2200 Lumen:           | 18 LEDs   |
| INPUT VOLTAGE         | 10-30 Vdc   |
| CURRENT DRAW          |   |
| 4000 Lumen:           | 60 Watts  |
| 3000 Lumen:           | 48 Watts  |
| 2200 Lumen:           | 36 Watts  |
| COLOR TEMPERATURE     | 5700k   |
| OPERATING TEMPERATURE | -40° C to +65° C / -40° C to +149° F                              |
| DIMENSIONS            |   |
| 4000:                 | 17.5" (45 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| 3000:                 | 14.4" (37 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| 2200:                 | 11.2" (29 cm) L x 6" (16 cm) H x 3.5" (9 cm) D (includes bracket) |
| MOUNTING              | Surface mounting with U-bracket                                   |
| CERTIFICATIONS        | ECE Reg. 10   |
| WARRANTY              | Three-year  |

# Mighty Night Light

## 400 Lumen LED Spot Lights



15 Degree Forward Facing Lens **#EAUSSMBØAWC**  
20 Degree Flood Lens (standard) **#EAUSSMBØSWC**



45 Degree Flood Lens **#EAUSSMBØFWC**

### Features

- > High powered white LED spot light with a compact size that allows you to use it anywhere you have restricted space such as push bumpers or around the license plate
- > Powerful and bright 400 lumen output
- > Can be mounted vertically or horizontally

### Technical Specifications

|                                 |   |
|---------------------------------|---|
| ILLUMINATION PATTERNS           |   |
| Forward Facing Lens:            | 15°   |
| Flood Standard Lens (standard): | 20°   |
| Flood Lens:                     | 45°   |
| LED COUNT                       | 1 LED   |
| INPUT VOLTAGE                   | 10-30 Vdc   |
| CURRENT DRAW                    | 0.45 to 0.65 Amps @ 12.8 Vdc                        |
| OPERATING TEMPERATURE           | -40° C to +65° C / -40° C to +149° F                |
| DIMENSIONS                      | 2.8" (7.1 cm) L x 4.1" (1.0 cm) H x 1.3" (3.3 cm) D |
| MOUNTING                        | Surface mount on 3.5" (8.9 cm) centers              |
| WARRANTY                        | Three-year  |