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# AMBER LIGHTING SOLUTIONS

2019 Product Catalog

- Lightbars
- Directional Warning
- Perimeter Lighting
- Control Systems
- Ford OEM Solutions
- Electronics
- Interior Lighting
- Beacons
- Work Area Lighting



# Table of Contents



- Lightbars
- Directional Warning
- Perimeter Lighting
- Control Systems
- Ford OEM Solutions
- Electronics
- Interior Lighting
- Beacons
- Work Area Lighting

## Lightbars

- mpower® Exterior Full Size ..... 1
- nFORCE® Exterior Full Size ..... 3
- 2x Series Exterior Full Size..... 5
- PINNACLE
  - Exterior Full Size ..... 6
  - 7000 Mini ..... 7
  - 7100 Mini ..... 7
  - 7000 and 7100 Accessory ..... 8
- mpower® Grid Light ..... 9
- nROADS®
  - Fleet Series Exterior Full Size ..... 11
  - Fleet Series Connect-n-Go System..... 12
  - Mid-Size ..... 13
  - Mini ..... 15
  - Fleet Series Accessory ..... 17
  - Mid-Size and Mini Accessories ..... 18
- MAGNUM Exterior Full Size ..... 19
- nFORCE® Interior Windshield ..... 20

## Directional Warning

- nFORCE® Traffic Controller
  - Exterior ..... 21
  - Interior ..... 21
- UltraLITEplus
  - Exterior ..... 22
  - Interior ..... 23
  - Accessories ..... 25
- TrafficMaster
  - Exterior ..... 26

## Perimeter Lighting

- mpower®
  - Quick Mounts ..... 27
  - Stud Mounts..... 27
  - Screw Mounts ..... 27
  - Accessories ..... 29
- Configure IT System Accessory ..... 31
- HD..... 32
  - Accessory ..... 32
- nFORCE®
  - Surface Mounts ..... 33
  - Deck/Grille Mounts ..... 34
  - Recess Mount..... 34
  - Six Inch Oval Recess Mount ..... 35
  - Windshield Mounts..... 35
  - Accessories ..... 37
- nFORCE® FIT
  - Surface Mount ..... 38
  - Deck/Grille Mount ..... 38
  - Recess Mount..... 38
  - Accessories ..... 39



- Fusion Lite ..... 40
- Intersector
  - Under Mirror Mount ..... 41
  - Surface Mount ..... 41
  - Accessories ..... 42
- GHOST
  - Surface Mounts ..... 43
  - Deck/Grille Mounts ..... 44
  - Recess Mounts ..... 44
    - Accessories ..... 46
  - Bolt 2 ..... 46
  - Universal UnderCover LED Insert ..... 47
    - Accessories ..... 48
  - LED3plus Mini Surface Mount ..... 49
    - Accessories ..... 50
  - nLINE Bracket Mount ..... 51
  - ML6 LED Flush Mount ..... 52
  - Predator II
    - Surface Mounts ..... 53
      - Accessories ..... 53
    - Deck/Grille Mounts ..... 54
  - Signal Warning ..... 55
  - Marker Warning ..... 56
  - Recess Warning ..... 56
    - Accessory ..... 56

**Control Systems**

- bluePRINT® 3 Control System ..... 57
- bluePRINT® 3 Link™ Module ..... 59
- SoundOff Signal® Control System ..... 60

**Ford OEM Solutions**

- Super Duty Four Corner Strobe Kits ..... 61 and 63
- Super Duty Four Corner Strobe Kit Certifications ..... 62
- F-150 Four Corner Strobe Kit ..... 63
- F-150 and Super Duty Corner Strobe Kit Certifications ..... 64

**Electronics**

- Switches
  - Intelliswitch 990 and 993, Digital ..... 65
  - 600 and 900 Series ..... 66
- Directional Arrow ..... 66
- Headlight Plug-In Flashers ..... 67
- Headlight Flasher ..... 67
- Flashback Alternating Taillight Flashers ..... 68
- LED Light Flasher ..... 68
- Ignition Security Systems
  - Heavy Duty ..... 69
  - Standard ..... 69
- reVerb Back-Up Alarms ..... 70

**Interior Lighting**

- Dome ..... 71
- Strip Mounts ..... 72

**Beacons**

- nROADS® LED
  - Flat Pipe, Low and High Domes ..... 73
  - Magnetic, Low and High Domes ..... 73
    - Accessories ..... 75
  - 4800 and 4500 Series LED ..... 76
    - Accessories ..... 78
  - 300 Series Strobe ..... 77
    - Accessories ..... 78

**Work Area Lighting**

- PAR36
  - Spot Lens ..... 79
  - Flood Lens ..... 79 and 80
  - Trapezoid Lens ..... 79
- Mighty Night Light
  - Forward Facing Lens ..... 81
  - Flood Lens ..... 81
- WL4, WL5 and WL9 Lumen ..... 82





# Exterior Full Size LED Lightbar



Four Inch Module Lightbar

EMPLB



Side View



Top View



Six Inch Module Lightbar

Coming Soon!



To order configured products, contact your sales representative or customer service department.

# mpower Exterior Full Size LED Lightbar

## Features

- At only 1" thick, mpower is 50% thinner than its leading competitors
- Collaboration with Dow Corning® to develop ClearDuty® optical module design
- Silicone ClearDuty® molded one-piece housing and optic design delivers advantages over conventional polycarbonate lenses:
  - A smaller footprint with maximized candela output
  - Greater resistance to gravel pitting, scratching or cracking
  - Improved sealing to prevent water from entering light
  - Higher UV and thermal stability to prevent lens from yellowing over time
- 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
- Inboard modules are available in single color 6 or 8 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Corner modules are offered in single color 8 or 16 LEDs, dual color 16 LEDs or tricolor 24 LEDs
- Lightbars that include white LEDs are capable of providing a full 360 degrees of intense scene lighting
- The 48" lightbar model provides 50% more LEDs within its inboard modules than comparable competitive models
- Other user configurable options include: cruise mode, front/rear/corner cutoff inputs, nighttime manual dimming, multiple flash patterns, steady burn and stop/tail/turn
- Takedowns can be configured as single, dual or tricolor for maximum functionality
- Alley lights can be configured as single, dual or tricolor to maximize intersection awareness
- Auto-dimming feature is standard

<b>INPUT VOLTAGE RANGE</b>	9-16 Vdc
<b>NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC</b>	
Inboard Warning Module	<1 Amp
Corner Module	<1.9 Amp (2-3" mpower modules)
Alley	<1 Amp
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC</b>	
Inboard Warning Module	<5.9 Watts
Corner Module	<11.6 Watts (2-3" mpower modules)
Alley	<5.9 Watts
<b>FLASH PATTERNS</b>	
Warning	66
Takedown/Alley	25
Arrow L/C/R	11
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>STANDBY CURRENT @ 12.8 VDC</b>	<10mA
<b>DIMENSIONS</b>	
<b>Lengths</b>	8 Module: 44.2" (112 cm)
	9 Module: 48.2" (112 cm)
	10 Module: 52.7" (134 cm)
<b>Height</b>	All modules: 1.1" (2.7 cm)
<b>Depth</b>	All modules: 10.6" (27 cm)
<b>MOUNTS</b>	Standard hook bracket mount with angle adjustment Headache rack mount
<b>CERTIFICATIONS</b>	SAE J595 and J845 Class 1 certified (red, blue, amber and white) CA Title 13 Class B certified (red, blue and amber)
<b>WARRANTY</b>	Five-year (ten-year on UV lens discoloration)



# Exterior Full Size LED Lightbar



ENFLB



Top/Side View



To order configured products, contact your sales representative or customer service department.

## Features

- Modules can be configured as single, dual or tricolor for maximum functionality
- Inboard modules are available in single color 6 or 9 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Corner modules are offered in single color 12 or 18 LEDs, dual color 24 LEDs or tricolor 30 LEDs
- 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
- Lightbars with multi-color modules (dual or tricolor) that include white LEDs are capable of providing a full 360 degrees of intense scene lighting
- 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
- Auto dimming feature available (not available for the 24 inch size)
- Preemption modules available
- Available with a solar panel (configurable option) five watt solar charger maintainer; charges, maintains and desulfates any 12 Vdc battery (not available for the 24 inch size)



# nFORCE Exterior Full Size LED Lightbar

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

## Accessories

Lightbars sold separately.

### Lexan Covers

Blue	<b>PNFLBTRDRLBL</b>
Graphite (shown)	<b>PNFLBTRDRLGY</b>
Red	<b>PNFLBTRDRLRD</b>
Amber Lexan Cover	<b>PNFLBTRDRLYL</b>

Includes auto dim sensor board, harnesses, mounting hardware and top cover.



### Retrofit Solar Panel Kit

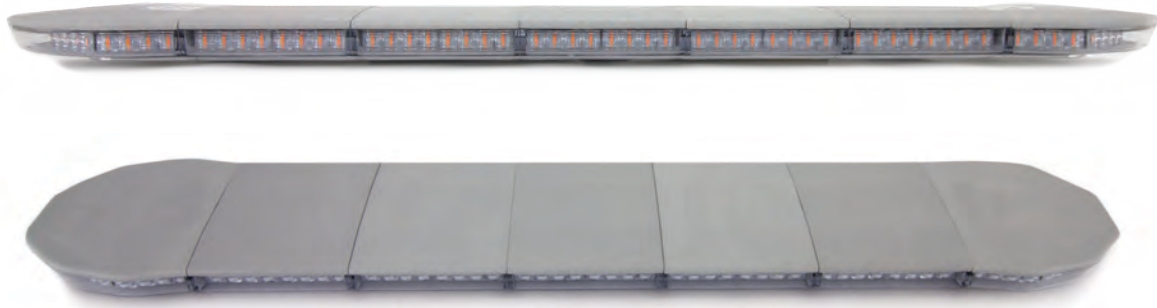
<b>Top Cover Color</b>	
Blue	<b>PNFLBTSGLBL</b>
Gray	<b>PNFLBTSGLGY</b>
Red	<b>PNFLBTSGLRD</b>
Yellow	<b>PNFLBTSGLYL</b>

Not available for the 24 inch lightbar.





# Exterior Full Size LED Lightbar



### Clear Lens, Red STT LED Modules

47" Amber Warning/White Work Lights	<b>E2X47SLBAWR1</b>
53" Amber Warning/White Work Lights	<b>E2X53SLBAWR1</b>
59" Amber Warning/White Work Lights	<b>E2X59SLBAWR2</b>
59" Amber Warning with Blanks	<b>E2X59SLBAWR1</b>

### Features

- Interior controller board was engineered in USA by SoundOff Signal
- Streamlined modular design; available in 47", 53" and 59" lengths
- Available in four popular configurations to meet your budget and performance needs
- Durable UV-resistant polycarbonate lenses
- High intensity LEDs in amber for warning, white for work light and red for supplemental stop, tail, turn
- Red STT LED modules
- Fifteen feet of cable for hard wire installation

<b>INPUT VOLTAGE RANGE</b>	10-30 Vdc
<b>NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC</b>	47": 120 LEDs 53": 136 LEDs 59": 152 LEDs
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC</b>	47": 120 LEDs 53": 136 LEDs 59": 152 LEDs
<b>OPERATING TEMPERATURE</b>	-40° C to + 65° C
<b>DIMENSIONS</b>	
Lengths	47" (119 cm) 53" (135 cm) 59" (150 cm)
<b>MOUNTS</b>	Standard fixed Mount Bracket Mount
<b>CERTIFICATIONS</b>	SAE J845 Class 1 certified
<b>WARRANTY</b>	Three-year



# Exterior Full Size LED Lightbar



EPL9000



To order configured products, contact your sales representative or customer service department.

## Features

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

---

**INPUT VOLTAGE RANGE** 10-16 Vdc

**NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC**

<b>Inboard Warning Modules</b>	6 LED Single Color: <1.0 Amp 12 LED Dual Color: <1.0 Amp
<b>Corner Module</b>	12 LED Single Color: <2.0 Amp
<b>Takedown</b>	6 LED: <1.0 Amp
<b>Alley</b>	1 LED: <0.5 Amp

**NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC**

<b>Inboard Warning Modules</b>	6 LED Single Color: <6.4 Watts 12 LED Dual Color: <6.4 Watts
<b>Corner Module</b>	12 LED Single Color: <12.8 Watts
<b>Takedown</b>	6 LED: <12.8 Watts
<b>Alley</b>	1 LED: <6.4 Watts

**FLASH PATTERNS**

<b>Warning</b>	21
<b>Takedown</b>	5
<b>Alley</b>	5
<b>Arrow L/C/R</b>	4
<b>Arrow Warning</b>	Solid 9 or Split 17

**OPERATING TEMPERATURE** -40° C to +65° C / -40° F to +149° F

**DIMENSIONS**

<b>Lengths</b>	4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm); 8 Module: 60" (152 cm) or 9 Module: 72" (183 cm)
<b>Height</b>	All modules: Inboard: 1.75" (4.45 cm) and corner: 2.5" (6.35 cm)
<b>Depth</b>	All modules: 10" (25 cm)

**MOUNTS**

Adjustable mount  
Headache mount  
Low profile fixed mount

**CERTIFICATIONS**

SAE J845 and J595 Class 1 certified  
Article 22, CA Title 13 certified

**WARRANTY**

Five-year

# 7000 Mini Lightbar



**EPL7000**

**Clear Dome**

Magnetic with Cig Plug

Standard Permanent (shown)

High Permanent

**EPL7M+(x)C**

**EPL7PD(x)C**

**EPL7HD(x)C**

**Clear Dome (25 foot cable)**

Standard Permanent

High Permanent

**EPL7PF(x)C**

**EPL7HF(x)C**

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

**Solid Colors (x)**

A = ● B = ● R = ● W = ○ G = ●

**Split Colors (x)**

D = ●○ E = ●○ F = ●○ J = ●● K = ●● M = ●● H = ●○ L = ●● N = ●● P = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.



**EPL7000**

**Amber Dome, Amber LEDs**

Magnetic with Cigar Plug (shown)

Standard Permanent

High Height Permanent

**EPL7M+AA**

**EPL7PDAA**

**EPL7HDAA**

**Amber Dome, Amber LEDs (25 foot cable)**

Standard Permanent

High Height Permanent

**EPL7PFAA**

**EPL7HFAA**

# 7100 Mini Lightbar



**EPL7100**

**Clear Dome  
Magnetic Mount**

Amber LEDs

Amber/White LEDs

Red/Amber LEDs

Blue/Amber LEDs

Green Solid/Split LEDs

**EPL71M+AC**

**EPL71M+FC**

**EPL71M+KC**

**EPL71M+MC**

**EPL71M+(x)C**

**Clear Dome**

Standard Permanent Mount

Amber LEDs

Amber/White LEDs (shown)

Red/Amber LEDs

Blue/Amber LEDs

**EPL71PDAC**

**EPL71PDFC**

**EPL71PDKC**

**EPL71PDMC**

**Clear Dome**

High Permanent Mount

Amber LEDs

Amber/White LEDs

Red/Amber LEDs

Blue/Amber LEDs

**EPL71HDAC**

**EPL71HDFC**

**EPL71HDKC**

**EPL71HDMC**

# PINNACLE 7000 and 7100 Mini Lightbars



EPL71ØØ

**Amber Dome**  
Magnetic Mount

Amber LEDs (shown)

EPL71M+AA

**Amber Dome**

Standard Permanent Mount

Amber LEDs

EPL7PD+AA

**Amber Dome**

High Permanent Mount

Amber LEDs

EPL71HDAA

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

Solid Color G = ●

Split Colors H = ●○ L = ●● N = ●● P = ●●

### Features: 7000 and 7100

- 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

INPUT VOLTAGE RANGE	10-16 Vdc
CURRENT DRAW	2 Amp average @ 12.8 Vdc
LED COUNT	24 LEDs
FLASH PATTERNS	28
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	
Length	14.16" (36 cm)
Height	1.90" (4.8 cm)
Depth	8.27" (21 cm)
<b>MOUNTS</b>	
	Magnetic mount
	Permanent mount
	High Permanent mount
<b>CERTIFICATIONS</b>	
7000	SAE J845 Class 1 certified (blue or red solid color LEDs)
7100	SAE J845 Class 1 certified (amber solid color LEDs)
WARRANTY	Five-year

## 7000 and 7100 Mini Lightbar Accessory

Lights and replacement modules sold separately.



### VHB Magnetic Plate Adapter Kit

Kit includes (1) one VHB pad and metal plate

PNRLBKØ3

Additional mounting options when using non-magnetic mounting surfaces

Note: 4 (four) plate adapter kits are required for the mini lightbar

# mpower<sup>®</sup> Grid Light

REDEFINE SAFETY



1x1 Single Stack



2x2 Single Stack



1x1 Dual Stack



2x2 Dual Stack

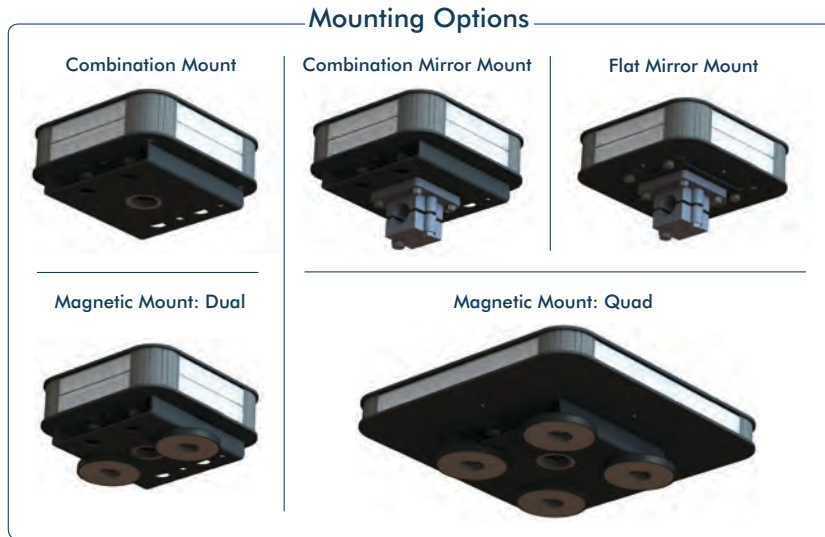
### EMPG



To order configured products, contact your sales representative or customer service department.



# mpower Grid Light



## Features

- Single, dual and tricolor capabilities
- ClearDuty® silicone molded optic design delivers advantages over conventional polycarbonate lenses
- Multiple mounting options: permanent, pipe, magnetic and mirror mounts
- Ability to spec 4-16 modules with single and dual stacked options
- Rugged construction with non-corrosive aluminum top/bottom and durable rubber corners
- Available in silver or black housing
- Current 3-wire four inch mpower lightbar module variants
- Synchronizes with other sync 2 products
- Secondary flash or steady burn options; same as the mpower® Fascia product
- Environmentally-safe materials which allow disassembly after useable life; may be recycled
- Wire exit is located through the bottom, rear of the light
- Now available with ability to spec blank modules

<b>INPUT VOLTAGE RANGE</b>	9-32 Vdc	
<b>FLASH PATTERNS</b>		
Single, Dual and Tricolor	Quint (SAE); Warp, Inter-Cycle; Double (SAE); Quad; Power Pulse; Road Runner (SAE/CaXIII); Q-Switch (SAE); Steady Burn + Flash; Roadrunner; Steady Burn + Flash; Quad; Quad 2 and Double 2	
Dual and Tricolor	Random 1 and Random 2	
<b>OPERATING TEMPERATURE</b>	-40° C to +85° C, thermal fold back may begin at temperatures above +50C ambient	
<b>CIRCUIT PROTECTION</b>	Reverse polarity, transient voltage and high temperature and over-voltage	
<b>DIMENSIONS</b>		
1x1 Single Stack	Length: 7.46" (19 cm)	Height: 1.5" (3.8 cm)
1x1 Dual Stack	Length: 7.46" (19 cm)	Height: 2.4" (6.1 cm)
2x2 Single Stack	Length: 11.71" (29.74 cm)	Height: 1.5" (3.8 cm)
2x2 Dual Stack	Length: 11.71" (29.74 cm)	Height: 2.4" (6.1 cm)
<b>MOUNTS</b>	Combo mount	
Mirror	Combo or flat mount	
Magnetic	Dual or quad mount	
<b>CERTIFICATIONS</b>	SAE J595 Class 1 certified SAE J845 Class 2 certified CA Title 13 certified NFPA compliant	
<b>WARRANTY</b>	Five-year (ten-year on UV lens discoloration)	



## Fleet Series Exterior Full Size LED Lightbar



ENRLB

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

### Features

- Modules can be configured as single or dual color
- Inboard modules are offered in single color LED modules, single color LED max modules, dual color LED modules or dual color LED max modules
- Corner modules are offered in single color LED modules, single color LED max modules, dual color LED module or dual color LED max modules
- Lightbars with dual color modules that include white LEDs are capable of providing a full 360 degrees of bright scene lighting
- Arrow control modules can be combined with warning colors for maximum functionality
- Dual color lightbars utilize Windows-based PC application to simplify programming and enhance configurability and control
- Single color lightbars feature direct connect
- Includes cruise mode, low power mode and two front and rear control modes (direct connect)
- Takedowns, work light and stop/tail/turn modules are optional

<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC</b>	
<b>Inboard Warning Modules</b>	Single Color, LED modules: < .4 Amp; LED max modules: < .6 Amp Dual Color, LED modules: < .4 Amp; LED max modules: < .6 Amp
<b>Corner Modules</b>	Single Color, LED modules: < .6 Amp; LED max modules: < .8 Amp Dual Color, LED modules: < .6 Amp or LED max modules: < .8 Amp
<b>Takedown</b>	< .4 Amp
<b>Alley</b>	< .5 Amp
<b>NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 VDC</b>	
<b>Inboard Warning Modules</b>	Single Color, LED modules: < 2.6 Watts; LED max modules: < 3.8 Watts Dual Color, LED modules: < 2.6 Watts; LED max modules: < 3.8 Watts
<b>Corner Modules</b>	Single Color, LED modules: < 3.8 Watts; LED max modules: < 5.1 Watts Dual Color, LED modules: < 3.8 Watts; LED max modules: < 5.1 Watts
<b>Takedown</b>	< 5.1 Watts
<b>Alley</b>	< 6.4 Watts
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>STANDBY CURRENT</b>	@ 35 Degrees C: < 0.1mA
<b>DIMENSIONS</b>	
<b>Lengths</b>	4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm) or 8 Module: 60" (152 cm)
<b>Height</b>	All modules: 2.55" (6.5 cm)
<b>Depth</b>	All modules: 12" (31 cm)
<b>MOUNTS</b>	
	Standard Hook Bracket mount with angle adjustment wedges Headache Rack mount
<b>CERTIFICATIONS</b>	
	SAE J845/J595 Class 1 certified California Title 13, Class B certified
<b>WARRANTY</b>	Five-year



## Fleet Series Exterior Lightbar Connect-n-Go System

nROADS Fleet Series Connect-n-Go system streamlines installation and saves you money! This pre-programmed lighting system includes an nROADS Fleet Series exterior lightbar, handheld remote controller and the choice of four, two or zero mpower® lights.



This system is ordered only through the configurator.  
Below is a list of what is included with the system and perimeter light ordering options.

**Included:** nROADS Fleet Series exterior lightbar and handheld remote controller

**Options:** Four mpower® four inch lights (two front and two rear of the vehicle)  
Two mpower® four inch lights (choice of installation, in front or rear of the vehicle)  
No mpower® four inch lights

### mpower® Mounting Options



**Quick Mount, Single Colors**  
6 LED EMPSCG2QMS2(x)  
8 LED EMPSCG2QMS3(x)

**Dual Colors**  
12 LED EMPSCG2QMS4(x)



**Stud Mount, Single Colors**  
6 LED EMPSCG2QMS2(x)  
8 LED EMPSCG2STS3(x)

**Dual Colors**  
12 LED EMPSCG2STS4(x)



**Screw Mount, Single Colors**  
6 LED EMPSCG2SMS2(x)  
8 LED EMPSCG2SMS3(x)

**Dual Colors**  
12 LED EMPSCG2SMS4(x)

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

6 or 8 LED Single Colors    A = ●    B = ●    R = ●    W = ○

8 or 12 LED Dual Colors    D = ●○    E = ●○    F = ●○    J = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

### Features

- Reduces complexity from choosing varieties of pre-configured lightbar options
- Select two assigned flash patterns at time of order, having the ability to change once installation has been completed
- Controls entire Connect-n-Go system with a user-friendly handheld remote controller
- Streamlined installation

Refer to pages 11 and 28 for technical specifications on these products.

# nROADS®

## Mid-Size LED Lightbar



### Magnetic with Cig Plug

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Split Bar

### Standard Permanent

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Solid Bar
- 12 LED, Solid or Split Bar

### Headache Rack

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Solid Bar
- 12 LED, Solid or Split Bar

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Colors, Amber, Red or White LEDs
- Dual Colors, Amber, Red or White LEDs

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber, Red or White LEDs
- Single Color, Amber/Amber LEDs
- Single or Dual Colors, Amber, Red or White LEDs

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber, Red or White LEDs
- Single Color, Amber/Amber LEDs
- Single or Dual Colors, Amber, Red or White LEDs

### Dome Colors

- Amber
- Clear
- Amber
- Clear
- Clear
- Clear

### Dome Colors

- Amber
- Clear
- Amber
- Clear
- Clear
- Amber
- Clear

### Dome Colors

- Amber
- Clear
- Amber
- Clear
- Clear
- Amber
- Clear

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1
- Class 1

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1
- Class 1

## SOLID LIGHTBAR

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

- Single Color      A = ●●

---

- Dual Colors      DD = ●○    FF = ●○    KK = ●●

## SPLIT LIGHTBAR

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

- Single Colors      AW = ●○    RA = ●●    RW = ●○

---

- Dual Colors      DD = ●○    FF = ●○    KK = ●●

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

- Single Colors      AW = ●○    RA = ●●    RW = ●○

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

# nROADS Mid-Size LED Lightbar

## Features

- Lightbars can be configured as single, dual or tricolor for maximum functionality
  - Single color: your choice of 3 LED, 6 LED, 9 LED or 12 LED modules
  - Dual color: 6 LED or 12 LED modules (direct connect only)
  - Tricolor: 18 LED modules (direct connect only)
- Available in magnetic, standard permanent or headache rack mounts
  - Magnetic mount includes a 10 foot cig plug cord with integrated 2-button rocker switch panel
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base
- Durable polycarbonate lens



<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc (9-32 vdc is available upon request)
<b>NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 VDC</b>	
3 LED Single Color	.5 Amp
6 LED Single Color	1 Amp
6 LED Dual Color	.5 Amp
9 LED Single Color	1.5 Amp
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC</b>	
3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts
12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts
12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
18 LED Tricolor	Steady burn, 12.8 Watts, flashing, 6.4 Watts
<b>FLASH PATTERNS</b>	43 flash patterns and 9 user-selectable modes
<b>LIGHT SYNC</b>	Up to 24
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C
<b>DIMENSIONS</b>	
Length	8 module: 24.25" (61.6 cm)
Height	2.83" (7.2 cm)
Width	7.95" (20.2 cm)
<b>MOUNTS</b>	
	Magnetic mount
	Standard Permanent mount
	Headache Rack mount
<b>CERTIFICATIONS</b>	
	J845 Class 2 certified: 3 LED Single and 6 LED Dual Colors
	J845 Class 1 certified: 6, 9 and 12 LED Single, 12 LED Dual and 18 LED Tricolors
	CA Title 13 certified: Solid Colors (amber, blue or red)
<b>WARRANTY</b>	Five-year

# nROADS®

## Mini LED Lightbar



### Magnetic with Cig Plug

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Solid Bar

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Colors, Amber, Red or White LEDs
- Dual Colors, Amber, Red or White LEDs

### Dome Color

- Amber
- Clear
- Amber
- Clear
- Clear
- Clear

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1

### Standard Permanent

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Solid Bar
- 12 LED, Solid or Split Bar

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Colors, Amber, Red or White LEDs
- Single Color, Amber/Amber LEDs
- Single or Dual Colors, Amber, Red or White LEDs

### Dome Color

- Amber
- Clear
- Amber
- Clear
- Clear
- Amber
- Clear

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1
- Class 1

### Headache Rack

- 3 LED, Solid Bar
- 3 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Solid Bar
- 6 LED, Split Bar
- 12 LED, Solid Bar
- 12 LED, Solid or Split Bar

### Color Selections

- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Color, Amber/Amber LEDs
- Single Colors, Amber, Red or White LEDs
- Single Color, Amber/Amber LEDs
- Single or Dual Colors, Amber, Red or White LEDs

### Dome Color

- Amber
- Clear
- Amber
- Clear
- Clear
- Amber
- Clear

### SAE J845 Certified

- Class 2
- Class 2
- Class 1
- Class 1
- Class 2
- Class 1
- Class 1

### SOLID LIGHTBAR

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

- Single Color      A = ●●
- Dual Colors      DD = ●○    FF = ●○    KK = ●●

### SPLIT LIGHTBAR

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

- Single Colors      AW = ●○    RA = ●●    RW = ●○
- Dual Colors      DD = ●○    FF = ●○    KK = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

# nROADS Mini LED Lightbar

## Features

- Lightbars can be configured as single, dual or tricolor for maximum functionality
  - Single color: your choice of 3 LED, 6 LED, 9 LED or 12 LED modules
  - Dual color: 6 LED or 12 LED modules (direct connect only)
  - Tricolor: 18 LED modules (direct connect only)
- Available in magnetic, standard permanent or headache rack mounts
  - Magnetic mount includes a 10 foot cig plug cord with integrated 2-button rocker switch panel
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base
- Durable polycarbonate lens

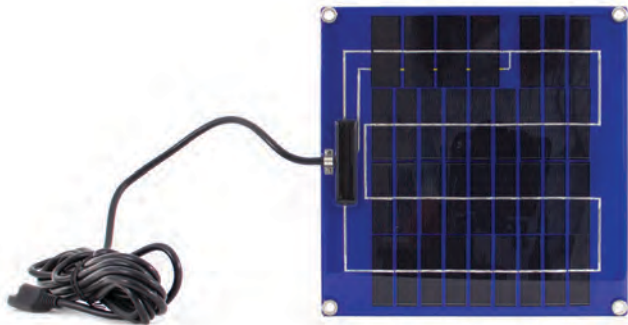


<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc (9-32 vdc is available upon request)
<b>NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 VDC</b>	
3 LED Single Color	.5 Amp
6 LED Single Color	1 Amp
6 LED Dual Color	.5 Amp
9 LED Single Color	1.5 Amp
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC</b>	
3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts
12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts
12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
18 LED Tricolor	Steady burn, 12.8 Watts, flashing, 6.4 Watts
<b>FLASH PATTERNS</b>	43 flash patterns and 9 user selectable modes
<b>LIGHT SYNC</b>	Up to 24
<b>OPERATING TEMPERATURE</b>	-40° C to + 65° C
<b>DIMENSIONS</b>	
Length	6 Module: 17.2" (43.7 cm)
Height	2.83" (7.2 cm)
Width	7.95" (20.2 cm)
<b>MOUNTS</b>	Magnetic mount Standard Permanent mount Headache Rack mount
<b>CERTIFICATIONS</b>	J845 Class 2 certified: 3 LED Single and 6 LED Dual Colors J845 Class 1 certified: 6, 9 and 12 LED Single, 12 LED Dual and 18 LED Tricolors CA Title 13 certified: Solid Colors (amber, blue or red)
<b>WARRANTY</b>	Five-year

# nROADS<sup>®</sup> FLEET SERIES

## Lightbar Accessory

Lights and replacement modules sold separately.



### Retrofit Solar Panel Kit

Blue (shown)

Gray

Red

Yellow

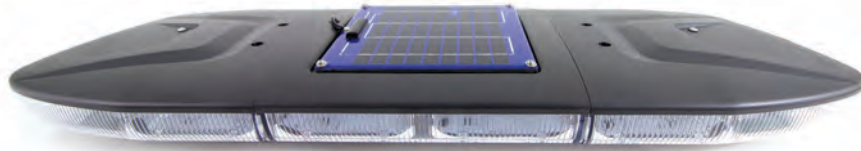
PNFLBTSGLBL

PNFLBTSGLGY

PNFLBTSGLRD

PNFLBTSGLYL

Note: Color choices reflect top cover selection. Refer to the photo below.



Shown on a 36 inch lightbar.  
Not available for the 24 inch lightbar.  
Lightbars sold separately.

### Features

- Alleviates dead batteries
- Integrates with existing nROADS Fleet Series lightbar (24 inch not available)
- Charges batteries while the vehicle is sitting idle
- Seamless design
- No exposed wires
- Nearly undetectable when installed
- Five-year warranty

## Mid-Size and Mini Lightbar Accessories

Lights and replacement modules sold separately.



### Four Button Cig Plug Controller

PCPNR401

*Configurator option!*

#### Features

- Replicates the four control wires available on the discrete wire option
- Four different flash patterns/color combinations can be stored and accessed at the push of a button
- Color backlighting shows which button(s) are being activated
- Backlit buttons can be set to always on or to sleep after 10 seconds
- Indicator LED will flash when user activates programming mode
- Audio feedback when buttons are pressed can be active or deactivated
- Backlight level of the buttons are adjustable



Shown with a mini size LED lightbar.



### VHB Magnetic Plate Adapter Kit

One VHB pad and metal plate

PNRLBKØ3

Note: 4 (four) plate adapter kits are required for the mini lightbar.

#### Feature

- Additional mounting options when using non-magnetic mounting surfaces

# MAGNUM Exterior Full Size LED Lightbar



EMG2000



To order configured products, contact your sales representative or customer service department.

## Features

- Available in clear or amber lenses
- Replaceable outer lens
- Dimming capability
- 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
- Optional rear stop/turn modules available
- Optional 12 wire discrete harness allows operation without break-out box (10-30 Vdc only)

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



# Interior Windshield LED Lightbar



## Windshield

Split, Two-piece (shown)

ENFWBFS

Full, One-piece

ENFWBFF



To order configured products, contact your sales representative or customer service department.

## Features

- Modules are offered in single color 6 or 9 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Windows-based PC application simplified programming and enhances configurability and control
- User configurable options include cruise mode, nighttime manual dimming, 34 programmable flash patterns and steady burn
- Direct connect option is available with single or dual color lightbars
  - The lightbar simplifies installation by eliminating the breakout box and connecting activation wires directly to the lightbar
- Takedown modules can be designated anywhere
- Universal model with adjustable mounting brackets accommodate most windshield angles for even broader vehicle compatibility

<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc
<b>NUMBER OF LEDES AND MAXIMUM CURRENT DRAW @ 12.8 VDC</b>	
<b>LED Modules</b>	6 LED Single Color: <1.0 Amp; 9 LED Single Color: <1.5 Amps; 12 LED Dual Color: <1.0 Amp or 18 Tricolor: <1.0 Amp
<b>NUMBER OF LEDES AND MAXIMUM WATTAGE @ 12.8 VDC</b>	
<b>Inboard Warning Modules</b>	6 LED Single Color: <6.4 Watts; 9 LED Single Color: < 9.6 Watts; 12 LED Color: <6.4 Watts or 18 LED Tricolor: <6.4 Watts
<b>Takedown</b>	6 LED: <12.8 Watts (interior windshield)
<b>FLASH PATTERNS</b>	
<b>Warning</b>	34
<b>Arrow L/C/R</b>	8
<b>OPERATING TEMPERATURE</b> -40° C to +65° C / -40° F to +149° F	
<b>DIMENSIONS</b>	
<b>Length</b>	20" (51 cm)
<b>Height</b>	1" (2.5 cm)
<b>Depth</b>	7.5" (19 cm) (universal, each side)
<b>WARRANTY</b>	Five-year



## Exterior and Interior Traffic Controllers

### Exterior



4 Module	<b>ENFTCDXS1204</b>
6 Module (shown)	<b>ENFTCDXS1206</b>
8 Module	<b>ENFTCDXS1208</b>

### Interior



4 Module	<b>ENFTCDGS1204</b>
6 Module (shown)	<b>ENFTCDGS1206</b>
8 Module	<b>ENFTCDGS1208</b>

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 To order configured products, contact your sales representative or customer service department.

### 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 tricolor 18 LED counts
- Modules that utilize white LEDs can be specified as work lights or flood lighting
- 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
- Standard "L" shaped mounting brackets are included

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

# UltraLITE plus LED Exterior Directional Warning and Arrow Lightbars

## Directional Warning Solid or Split



2 Module	EL3PD02AØØ(x)
4 Module	EL3PD04AØØ(x)
8 Module	EL3PD08AØØ(x)
<b>Single Warning Ends, Amber Center</b>	
8 Module	EL3PD08A1Ø(x)
<b>Single Warning Ends, Amber Center</b> (flashes independent from arrow)	
8 Module	EL3PD08B1Ø(x)
12 Module	EL3PD12AØØ(x)
<b>Single Warning Ends, Amber Center</b>	
12 Module	EL3PD12A1Ø(x)
<b>Dual Warning Ends, Amber Center</b>	
12 Module	EL3PD12A2Ø(x)

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

**Solid Colors** A = ● B = ● G = ● R = ● W = ○

**Split Colors** A = ● B = ● R = ● W = ○ D = ●○ E = ●○ F = ●○ H = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●

● ● ● ○ To order configured products, contact your sales representative or customer service department.

### Features

- Custom color configurations offered for exterior 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
- Includes universal "L" brackets and 14 feet of cable

## Directional Arrow Warning Coming Soon!

### Dual Module, Arrow Ends, Amber

20 Module (short arrow)

### Tri Module, Arrow Ends, Amber

24 Module (tall arrow)

Contact your sales representative for availability.

# UltraLITE plus LED Interior Directional Warning and Windshield Lightbars

## Directional Warning Solid or Split

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4 Module	EL3PH04AØØ(x)
8 Module	EL3PH08AØØ(x)
<b>Single Warning Ends, Amber Center</b>	
8 Module	EL3PH08A1Ø(x)
<b>Single Warning Ends, Amber Center</b> (flashes independent from arrow)	
8 Module	EL3PH08B1Ø(x)
12 Module	EL3PH12AØØ(x)
<b>Single Warning Ends, Amber Center</b>	
12 Module	EL3PH12A1Ø(x)
<b>Dual Warning Ends, Amber Center</b>	
12 Module	EL3PH12A2Ø(x) EL3PZ12AØØ(x)
<b>Single Warning Ends, Amber Center</b> (flashes independent from arrow)	
12 Module	EL3PH12B1Ø(x)
<b>Dual Warning Ends, Amber Center</b> (flashes independent from arrow)	
12 Module	EL3PH12B2Ø(x)
<b>Windshield Mount</b>	
8 Module	EL3PZO8AØØ(x)
12 Module	EL3PZ12AØØ(x)

## Windshield Solid or Split

---



<b>Cig Plug and Suction Cup Mount</b>	
2 Module	EL3PH02AØ+(x)
4 Module	EL3PH04AØ+(x)

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

**Solid Colors**    A = ●    B = ●    G = ●    R = ●    W = ○

**Split Colors**    A = ●    B = ●    R = ●    W = ○    D = ●○    E = ●○    F = ●○    H = ●○    J = ●●    K = ●●    L = ●●    M = ●●    N = ●●    P = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

**Features**

**Directional Warning**

- Slim, narrow design is perfect for headliner, dash, windshield or rear deck mounts in all types of vehicles
- Program up to three warning patterns on the 8 or 12 module, dual or split color bars
- Includes universal "L" brackets and 14 feet of cable

**Windshield**

- Includes permanent headliner brackets (pair) and 11.5 feet of shielded cable
- Suction cup and cig plug mounts include universal headliner brackets (pair)

---

**INPUT VOLTAGE RANGE**      10-16 Vdc

**CURRENT DRAW @ 12.8 VDC**

**Suction Cup Mount and Headliner Mounts**

- <1 Amp per module
- <1 Amp for every 2 modules (flash pattern dependent)

**FLASH PATTERNS**

**Suction Cup Mount and Headliner Mounts**

2 Module: 33 flash patterns; 4 Module: 21 flash patterns; 8 Module: solid colors, 20 arrow or 12 warning, split colors, 19 warning flash patterns or 12 Module: solid colors, 20 arrow or 12 warning, split colors, 19 warning flash patterns

**LED COUNTS**

2 Module: 12 LEDs; 4 Module: 24 LEDs; 8 Module: 48 LEDs or 12 Module: 72 LEDs

**OPERATING TEMPERATURE**

-40° C to +65° C / -40° F to +149° F

**DIMENSIONS**

**Lengths**                      2 Module: 6.9" (18 cm); 4 Module: 13.25" (34 cm); 8 Module: 26" (66 cm) or 12 Module: 38.75" (98 cm)  
**Height**                      All modules: 1.5" (3.8 cm)  
**Depth**                        All modules: 1.5" (3.8 cm)

**Suction Cup Mount and Headliner Mount**

**Lengths**                      2 Module: 7" (18 cm); 4 Module: 14.25" (34 cm); 8 Module: 26" (66 cm) or 12 Module: 38.75" (98 cm)  
**Height**                      All modules: 1.5" (3.8 cm)  
**Depth**                        All modules: 3.6" (9.1 cm)

**CERTIFICATIONS**

SAE J595 Class 1 certified  
 Article 22, CA Title 13 compliant

**WARRANTY**

Five-year

# UltraLITE plus Exterior and Interior LED Directional Warning Lightbar Accessories

Lights sold separately.

## Visor

Chevrolet Tahoe, pair

PUL3MØ2



## Universal Brackets

One hole, 1.5 inches, pair

PUL3DGMØ1



Two holes, 2 inches, pair

PUL3DGMØ2



Three holes, 2.5 inches, pair

PUL3DGMØ3



Seven holes, 4 inches, pair

PUL3DGM



# TrafficMaster Exterior LED Directional Arrow Warning Bars

## Solid Arrow



8 Module

ETT3MLED-P

## Split Arrow



8 Module

ETT3MLEDSA

## Features

- 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
- Eight sealed weatherproof modules
- Hard wire installation with 25' cable

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
<b>DIMENSIONS</b>	
<b>Solid Arrow</b>	
Length	42" (107 cm)
Height	2.75" (7 cm)
Depth	1.75" (4.5 cm)
<b>Split Arrow</b>	
Length	21" (53 cm) (each end)
Height	2.75" (7 cm)
Depth	1.75" (4.5 cm)
MOUNTING	Surface mount (brackets included)
WARRANTY	Five-year

# mpower® Quick, Stud and Screw Mount Lights

REDEFINE SAFETY

## Stud Mounts



### Three Inch

- 4 LED, Single Color
- 8 LED, Single or Dual Colors
- 12 LED, Tricolor

- EMPS1SLS1(x)
- EMPS1SLS3(x)
- EMPS1SLS4(xxx)

### Ford Grille Mount Application

#### Three Inch

- 4 LED, Single Color
- 8 LED, Single or Dual Colors
- 12 LED, Tricolor

- EMPS1STS1(x)
- EMPS1STS3(x)
- EMPS1STS4(xxx)



### Four Inch

- 6 LED, Single Color
- 8 LED, Single Color
- 12 LED, Dual Color
- 18 LED, Tricolor

- EMPS2STS2(x)
- EMPS2STS3(x)
- EMPS2STS4(x)
- EMPS2STS5(xxx)

## Quick Mounts



### Three Inch

- 4 LED, Single Color
- 8 LED, Single or Dual Colors
- 12 LED, Tricolor

- EMPS1QMS1(x)
- EMPS1QMS3(x)
- EMPS1QMS4(xxx)



### Four Inch

- 6 LED, Single Color
- 8 LED, Single Color
- 12 LED, Dual Color
- 18 LED, Tricolor

- EMPS2QMS2(x)
- EMPS2QMS3(x)
- EMPS2QMS4(x)
- EMPS2QMS5(xxx)

## Screw Mounts



### Three Inch

- 4 LED, Single Color
- 8 LED, Single or Dual Colors
- 12 LED, Tricolor

- EMPS1SMS1(x)
- EMPS1SMS3(x)
- EMPS1SMS4(xxx)



### Four Inch

- 6 LED, Single Color
- 8 LED, Single Color
- 12 LED, Dual Color
- 18 LED, Tricolor

- EMPS2SMS2(x)
- EMPS2SMS3(x)
- EMPS2SMS4(x)
- EMPS2SMS5(xxx)



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

4, 6 or 8 LED Single Colors	A = ● B = ● R = ● W = ○
8 or 12 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●●
12 or 18 LED Tricolors	RBA = ●●● RBW = ●●○



To order configured products, contact your sales representative or customer service department.

**Features**

- Single, dual or tricolor capabilities
- Ability to integrate visually into today’s police vehicles
- Collaboration with Dow Corning® to develop ClearDuty® optical design
- ClearDuty® silicone molded one-piece housing and optic design delivers advantages over conventional polycarbonate lenses
  - A smaller footprint with maximized candela output
  - Greater resistance to gravel pitting, scratching or cracking
  - Improved sealing to prevent water from entering light
  - Higher UV and thermal stability to prevent lens from yellowing over time

<b>INPUT VOLTAGE RANGE</b>	9-32 Vdc		
<b>CURRENT DRAW</b>	< 1.0 Amp @ 12.8Vdc, < 0.5 Amp @ 25.6 Vdc		
<b>LIGHT SYNC</b>	24 single sync 2 lightheads		
<b>FLASH PATTERNS</b>	12 Single, 14 Dual or 14 Tricolor patterns		
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C		
<b>DIMENSIONS</b>			
<b>3 Inch Quick</b>		<b>4 Inch Quick</b>	
Length	3.04" (7.72 cm)	Length	4.04" (10.3 cm)
Height	0.92" (2.3 cm)	Height	0.92" (2.3 cm)
Depth	0.47" (1.2 cm) (from mounting surface)	Depth	0.47" (1.2 cm) (from mounting surface)
<b>Stud</b>		<b>Stud</b>	
Length	3.04" (7.72 cm)	Length	4.04" (10.3 cm)
Height	0.92" (2.3 cm)	Height	0.92" (2.3 cm)
Depth	0.42" (1 cm) (from mounting surface)	Depth	0.42" (1 cm) (from mounting surface)
<b>Screw</b>		<b>Screw</b>	
Length	3.52" (8.94 cm)	Length	4.52" (11.4 cm)
Height	0.92" (2.3 cm)	Height	0.92" (2.3 cm)
Depth	0.42" (1 cm) (from mounting surface)	Depth	0.42" (1 cm) (from mounting surface)
<b>CERTIFICATIONS</b>	SAE J595 Class 1 certified, SAE J845 Class 1 certified and CA Title 13, Article 22 compliant		
<b>WARRANTY</b>	Five-year		

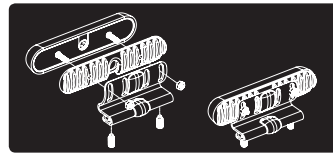
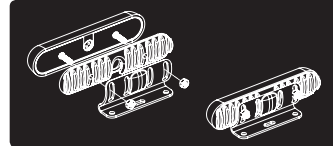
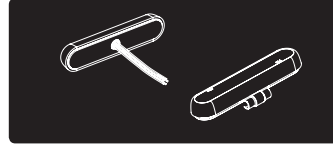


# mpower® REDEFINE SAFETY Quick, Stud and Screw Mount Light Accessories

Lights and replacement modules sold separately.

## Fascia Mounting Options

<b>Quick Clip Mount</b>	<b>Quick Clip Bracket</b>
3 inch, black	<b>PMP1BKQCLP</b>
4 inch, black	<b>PMP2BKQCLP</b>
<b>Stud Mount</b>	<b>90 Degree Adjustable Mount Bracket</b>
3 inch, black	<b>PMP1BKDGAJ</b>
3 inch, white	<b>PMP1BKDGAJ-W</b>
4 inch, black	<b>PMP2BKDGAJ</b>
4 inch, white	<b>PMP2BKDGAJ-W</b>
<b>Stud Mount</b>	<b>90 Degree Adjustable Edge Mount Bracket</b>
3 inch, black	<b>PMP1BKEDGE</b>
3 inch, white	<b>PMP1BKEDGE-W</b>
4 inch, black	<b>PMP2BKEDGE</b>
4 inch, white	<b>PMP2BKEDGE-W</b>



## Quick Mount Wedges

	5 Degrees	15 Degrees	35 Degrees
3 inch, black	<b>PMP1WDGØ5B</b>	<b>PMP1WDG15B</b>	<b>PMP1WDG35B</b>
3 inch, white	<b>PMP1WDGØ5W</b>	<b>PMP1WDG15W</b>	<b>PMP1WDG35W</b>
4 inch, black	<b>PMP2WDGØ5B</b>	<b>PMP2WDG15B</b>	<b>PMP2WDG35B</b>
4 inch, white	<b>PMP2WDGØ5W</b>	<b>PMP2WDG15W</b>	<b>PMP2WDG35W</b>



3 inch, 5 degree wedge

4 inch, 15 degree wedge

Includes Wedge and 3M VHB Adhesive

## Ford Utility, 2015-2017 Rear Spoiler, 4 Inch Stud Mount Bracket Kits (pair)

One light per passenger and driver side **PMP2RSBUV1**



Two lights per passenger and driver side **PMP2RSBUV2**



Three lights per passenger and driver side **PMP2RSBUV3**



Four lights per passenger and driver side **PMP2RSBUV4**



## Chevy Tahoe, 2015-2017 Rear Spoiler, 4 Inch Stud Mount Bracket Kit (pair)

Three lights per passenger and driver side **PMP2RSBTH3**



Four lights per passenger and driver side **PMP2RSBTH4**



# mpower Quick, Stud and Screw Mount Light Accessories

Lights and replacement modules sold separately.

## Under Mirror Mount Bracket Kit

Four Inch Stud Mount **PMP2BKUMB1**

Ford PI Utility, 2017 and 2018

Three and Four Inch Stud and Quick Mounts

Dodge Durango, 2016-2018 **PNT3BKUMB4**



### 2018

Chevy Tahoe, Dodge Ram and Ford F-150



### 2019

Chevy Tahoe, Dodge Durango, Dodge Ram, Ford F-150 and Ford PI Utility

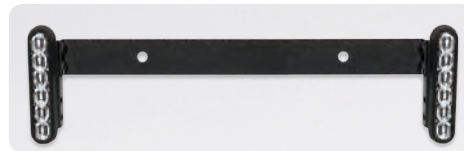
## Stud Mount License Plate Bracket

3 inch, vertical mount

**PMP1BRK2LPV**

4 inch, vertical mount

**PMP2BRK2LPV**



## License Plate Frame

4 inch quick mount lights

**PMP2BRK2LPF**



## Adjustable 25 to 90 Degree Windshield Shrouds

### Single

Three inch, black

**PMP1WSSSB**

Three inch, white

**PMP1WSSSW**

Four inch, black

**PMP2WSSSB**

Four inch, white

**PMP2WSSSW**



### Dual

3 inch, black

**PMP1WSDDB**

3 inch, white

**PMP1WSDDW**

4 inch, black

**PMP2WSDDB**

4 inch, white

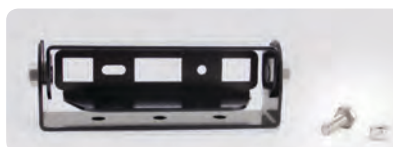
**PMP2WSDDW**



## Universal Rock Bracket Kit (includes mounting hardware)

4 inch, stud mount bracket kit **PMP4BKRKLB**

Can also be used with the 4 inch HD light



# ConfigureIT System Accessory



Bluetooth Module and Two Harnesses **ECTBM001**  
 App is available for free via your preferred app store

## Features

- Reduces Install time
- Eliminates tapping of wires
- App available in Apple Store and Google Play
- Save configurations for repetitive lights for multiple / reused configurations
- Simple User Interface – no training required
- Supported by world-class technical support



## Spot Optic, 7x3 Warning and Arrow Kit Lights

Coming Soon!

### Spot Optic

#### Four Inch, Quick, Stud or Screw Mounts

Stud, quick, or screw mounts  
 6 LED, Single Color White  
 3-wire

### 7x3 Warning

Available in Single Colors



### Arrow Kit

Includes mpower 4 Inch Lights and Mounting Brackets

# mpower<sup>®</sup> HD Light

REDEFINE SAFETY



## Four Inch

6 LED, Single Color	EMPS4STS2(x)
8 LED, Single Color	EMPS4STS3(x)
12 LED, Dual Color	EMPS4STS4(x)
18 LED, Tricolor	EMPS4STS5(xxx)

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

6 or 8 LED Single Colors	A = ● B = ● R = ● W = ○
12 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●●
18 LED Tricolors	RBA = ●●● RBW = ●●○



To order configured products, contact your sales representative or customer service department.

## Features

- Single, dual or tricolor capabilities
- Ability to integrate visually into today's police vehicles
- Collaboration with Dow Corning® to develop ClearDuty® optical design
- ClearDuty® silicone molded one-piece housing and optic design delivers advantages over conventional polycarbonate lenses
  - A smaller footprint with maximized candela output
  - Greater resistance to gravel pitting, scratching or cracking
  - Improved sealing to prevent water from entering light
  - Higher UV and thermal stability to prevent lens from yellowing over time
- Universal rock bracket kit is available (refer to previous page for product details)
- Compatible with the ConfigureIT system for easy light programming (see page 23 for details of the ConfigureIT system)

## Accessory

Lights and replacement modules sold separately.

### Universal Rock Bracket Kit (includes mounting hardware)

4 inch, stud mount bracket kit **PMP4BKRKLB**

Can also be used with the 4 inch Quick, Stud and Screw mount lights



<b>INPUT VOLTAGE RANGE</b>	9-32 Vdc
<b>CURRENT DRAW</b>	< 1.0 Amp @ 12.8Vdc, < 0.5 Amp @ 25.6 Vdc
<b>LIGHT SYNC</b>	24 single sync 2 lightheads
<b>FLASH PATTERNS</b>	12 Single, 14 Dual or 14 Tricolor patterns
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C
<b>DIMENSIONS</b>	
Length	4.25" (10.8 cm)
Height	0.92" (2.3 cm)
Depth	6" (1.5 cm) (from mounting surface)
<b>Certifications</b>	SAE J595 Class 1 certified SAE J845 Class 1 certified; CA Title 13, Article 22 compliant EMC R10.05
<b>Warranty</b>	Five-year



# Surface Mount Lights

## Surface Mounts



### Single Mount

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber and High Output
- 9 LED, Single Color, 10-30 Vdc, Xylex Lens and ECE R65
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFSSS1(x)
- ENFSSS2(x)
- ENFSSS2A-PC
- ENFSSE2(x)
- ENFSSS3(x)
- ENFSSS4(xxx)



### Dual Stacked Mount

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber/Amber and High Output
- 9 LED, Single Color, 10-30 Vdc, Xylex Lens and ECE R65
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFDSS1(xx)
- ENFDSS2(xx)
- ENFDSS2AA-PC
- ENFDSE2(xx)
- ENFDSS3(xx)
- ENFDSS4(xxx)



Single Deck/Grille Mount x 2

# nFORCE Deck/Grille and Recess Mount Lights

## Deck/Grille Mounts

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### Single Mount

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber and High Output
- 9 LED, Single Color, 10-30 Vdc, Xylex Lens and ECE R65
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFSGS1(x)
- ENFSGS2(x)
- ENFSGS2A-PC
- ENFSGE2(x)
- ENFSGS3(x)
- ENFSGS4(xxx)



### Dual Side-by-Side Mount

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber/Amber and High Output
- 9 LED, Single Color, 10-30 Vdc, Xylex Lens and ECE R65
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFDGS1(xx)
- ENFDGS2(xx)
- ENFDGS2AA-PC
- ENFDGS2AA-PC
- ENFDGS3(xx)
- ENFDGS4(xxx)

## Recess Mount

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- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, 10-30 Vdc, Xylex Lens and ECE R65
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFSRS1(x)
- ENFSRS2(x)
- ENFSRE2(x)
- ENFSRS3(x)
- ENFSRS4(xxx)



# Six Inch Oval Recess and Windshield Mount Lights

## Six Inch Oval Recess Mount

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### Six Inch Oval Recess Mount

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Amber Single Color, High Output
- 12 LED, Single or Dual Colors

- ENFSRV1 (x)
- ENFSRV2 (x)
- ENFSRV2A-PC
- ENFSRV3 (x)

## Windshield Mounts

---



### Single, Stacked Mount Includes shroud, bracket and bare wires

- 6 LED, Single or Dual Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber, High Output
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

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

### Single, Suction Cup Mount Includes shroud, bracket and 12 volt cig plug with 11.5' cord

- 6 LED, Single or Split Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber, High Output
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

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

### Dual Side-by-Side, Permanent Mount Includes shroud, bracket and bare wires

- 6 LED, Single or Dual Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber/Amber, High Output
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

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

### Dual Side-by-Side, Suction Cup Mount Includes shroud, bracket and 12 volt cig plug with 11.5' cord

- 6 LED, Single or Dual Colors
- 9 LED, Single Color
- 9 LED, Single Color, Amber/Amber, High Output
- 12 LED, Single or Dual Colors
- 18 LED, Tricolor

- ENFDWS1 (xx)
- ENFDWS2 (xx)
- ENDWS2AA-PC
- ENDWS3 (xx)
- ENFDWS4 (xxx)

## Surface, Deck/Grille, Recess, Six Inch Oval Recess and Windshield Mounts

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

6, 9 or 12 LED Single Colors	A = ● B = ● R = ● W = ○	Six Inch Oval Recess Mount: A = ● W = ○
6 LED Split Color	J = ●●	Six Inch Oval Recess Mount: D = ●● F = ●●
12 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●●	Six Inch Oval Recess Mount: D = ●○ F = ●○
18 LED Tricolors	BRA = ●●● BRW = ●●○	Six Inch Oval Recess Mount: Not available



To order configured products, contact your sales representative or customer service department.

### Features

#### Surface, Deck/Grille, Recess, Six Inch Oval Recess and Windshield Mounts

- Single, split, dual or tricolor capability (tricolor is not available for the six inch oval recess mount)
- 6, 9, 12 or 18 LED counts (18 LED count is not available for the six inch oval recess mount)
- Steady-burn white capability
- Secondary function can be either flashig or steady-burn (six inch oval recess mount only)

<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc standard or 10-30 Vdc (configurable option)		
<b>CURRENT DRAW PER MODULE</b>	<b>10-16 VDC</b>	<b>10-30 VDC (configurable option)</b>	
6 LED Single Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
6 LED Split Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
9 LED Single Color	<1.5 Amp @ 12.8 Vdc	<0.9 Amp @ 25.6 Vdc	
12 LED Single Color	<2.0 Amp @ 12.8 Vdc	<1.2 Amp @ 25.6 Vdc	
12 LED Dual Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
18 LED Tricolor	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc (tricolor is not available for the six inch oval recess mount)	
<b>LIGHT SYNC</b>	24 single sync 2 lighthead		
<b>FLASH PATTERNS</b>	12 single, 14 dual or 14 tricolor patterns (tricolor is not available for the six inch oval recess mount)		
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F		
<b>DIMENSIONS</b>			
<b>Surface Mount, Single</b>		<b>Recess Mount</b>	
Length	5.0" (12.7 cm)	Length	5.25" (13.34 cm)
Height	1.72" (4.3 cm)	Height	2.25" (5.72 cm)
Depth	1.50" (3.8 cm)	Depth	1.50" (3.8 cm)
<b>Surface Mount, Dual Stacked</b>		<b>Windshield Mount, Single</b>	
Length	5.0" (12.7 cm)	Length	6.80" (17.27 cm)
Height	3.13" (7.9 cm)	Height	1.43" (3.6 cm)
Depth	1.5" (3.8 cm)	Depth	1.43" (3.6 cm)
<b>Deck/Grille Mount, Single</b>		<b>Windshield Mount, Dual Side-by-Side</b>	
Length	5.0" (12.7 cm)	Length	11.35" (28.8 cm)
Height	1.88" (4.7 cm)	Height	1.43" (3.6 cm)
Depth	1.82" (4.3 cm)	Depth	5" (12.7 cm)
<b>Deck/Grille Mount, Dual Side-by-Side</b>			
Length	9.50" (24.1 cm)		
Height	1.88" (4.7 cm)		
Depth	1.82" (4.3 cm)		
<b>CERTIFICATIONS</b>	SAE J595, Class 1 certified CA Title 13, Article 22 compliant EMC 72/245/EEC certified ECE R65 Category X, Class 2 certified (ECE R65 can only be specified with 9 LED single color)		
<b>WINDSHIELD MOUNT</b>	SAE J595, Class 1 certified (not amber) CA Title 13, Article 22 compliant EMC 72/245/EEC certified		
<b>WARRANTY</b>	Five-year		



# Surface and Deck/Grille Mount Light Accessories

Lights and replacement modules sold separately.

## Surface Mounting Brackets

- a. Horizontal license plate
- b. Vertical license plate
- c. Rear spoiler, dual, driver side  
Ford PI Utility 2011-2017
- d. Rear spoiler, dual, passenger side  
Ford PI Utility 2011-2017
- e. Rear spoiler, dual, includes driver and passenger sides  
Chevy Tahoe 2015-2017
- f. Rear spoiler, single  
Ford PI Utility 2011-2017
- g. 45 degree angle, horizontal mount  
90 degree angle, horizontal mount
- h. Behind grille, includes driver and passenger sides  
Chevy Tahoe 2015-2017

PNFSLBRK2LPH  
PNFSLBRK2LPV  
PNFSLRSBUVD

PNFSLRSBUVP

PNFSLRSBTH

PNFSLRSBUVS

PNFSLBRK145  
PNFSLBRK190  
PNFSLDGSB-TH



## Deck/Grille Mounting Brackets

- Single deck/grille bracket
- Dual deck/grille bracket

PNFSLDGSB  
PNFSLDGDB

## Surface Mount Fog Light Kit

- Includes driver and passenger fog light bezels,  
mounting plates and hardware
- Chevy Tahoe, 2015-2017

PNFSLFLKTHH



# FIT Surface, Deck/Grille and Recess Mount Lights

## Surface Mount



3 LED, Single Color  
6 LED, Single or Dual Colors  
9 LED, Tricolor

ENFFTSSMS3(x)  
ENFFTSSMS6(x)  
ENFFTSSMS9(xxx)

## Deck/Grille Mount



3 LED, Single Color  
6 LED, Single or Dual Colors  
9 LED, Tricolor

ENFFTSDGS3(x)  
ENFFTSDGS6(x)  
ENFFTSDGS9(xxx)

## Recess Mount



3 LED, Single Color  
6 LED, Single or Dual Colors  
9 LED, Tricolor

ENFFTSRFS3(x)  
ENFFTSRFS6(x)  
ENFFTSRFS9(xxx)

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

3 or 6 LED Single Colors    A = ●    B = ●    R = ●    W = ○

6 LED Dual Color    J = ●●

9 LED Tricolors    BRA = ●●●    BRW = ●●○



To order configured products, contact your sales representative or customer service department.

### Features

- Single, dual or tricolor capability
- 3, 6 or 9 LED counts
- Steady-burn white capability
- Separate color control capability



## FIT Surface, Deck/Grille and Recess Mount Lights

INPUT VOLTAGE RANGE	10-16 Vdc
CURRENT DRAW PER MODULE	
3 LED Single Color	<0.5 Amp @ 12.8 Vdc
6 LED Single Color	<1.0 Amp @ 12.8 Vdc
6 LED Dual Color	<0.5 Amp @ 12.8 Vdc
9 LED Tricolor	<0.5 Amp @ 12.8 Vdc
LIGHT SYNC	24 single sync 2 lightheads
FLASH PATTERNS	12 Single, 12 Dual or 12 Tricolor patterns
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
DIMENSIONS	
Length	3.72" (9.45 cm)
Height	1.72" (4.3 cm)
Depth	1.48" (3.76 cm)
CERTIFICATIONS	SAE J845, Class 1 certified ECE R10.04 certified
WARRANTY	Five-year

## FIT Surface and Deck/Grille Mount Accessories

Lights and replacement modules sold separately.

### Surface Mounting Bracket

Behind the grille, includes driver and passenger sides  
Chevy Tahoe 2015-2017

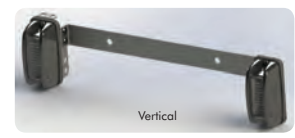
PNFSLDGSB-TH



### Surface and Deck/Grille Mounting Brackets

Provides horizontal or vertical mounting capability, 2 lights

PNFFTBRK2LP



### Deck/Grille Mounting Brackets

45 degree angle  
90 degree angle

PNFFTBRK145  
PNFFTBRK190



# Fusion Life Surface Mount Light



Solid Colors	EFL1BØ(x)
Dual Color (red/blue)	EFL2BØJ
Dual Color (amber/white)	EFL2BØF

Replace (x) in the Order Number for Standard 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
- Permanent mount with six inch cable with bare wires for hard wire installation

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	< .5 Amp @ 12.8 vdc, <0.75 Amp @ 25.6 vdc
LIGHT SYNC	6 single fusion lightheads
FLASH PATTERNS	6 flash patterns
LED COUNT	Solid colors, 1 LED Dual colors, 2 LEDs
OPERATING TEMPERATURE	-20° C to +65° C
<b>DIMENSIONS</b>	
Length	3.2" (8 cm)
Height	.8" (2 cm)
Depth	1.7" (4.2 cm)
MOUNTING	Surface mount (mounting screws included)
CERTIFICATIONS	RoHS, WEEE compliant Meets SAE J845 Class 3 requirements
WARRANTY	Five-year

# intersector Under Mirror and Surface Mount Lights

## Under Mirror Mount



- |                                 |              |
|---------------------------------|--------------|
| 8 LED, Single Color             | ENT2B3(x)    |
| 8 LED, Single Color, Xylex Lens | ENT2B3(x)-EU |
| 16 LED, Dual Color              | ENT2B3(y)    |
| 16 LED, Dual Color, Xylex Lens  | ENT2B3(y)-EU |
| 18 LED, Tricolor                | ENT2B3(xxx)  |

## Surface Mount



- |                                     |             |
|-------------------------------------|-------------|
| 8 LED, Single Color, Black Housing  | ENT3B3(x)   |
| 8 LED, Single Color, Chrome Housing | ENT3C3(x)   |
| 8 LED, Single Color, White Housing  | ENT3W3(x)   |
| 16 LED, Dual Color, Black Housing   | ENT3B3(y)   |
| 16 LED, Dual Color, Chrome Housing  | ENT3C3(y)   |
| 16 LED, Dual Color, White Housing   | ENT3W3(y)   |
| 18 LED, Tricolor, Black Housing     | ENT3B3(xxx) |
| 18 LED, Tricolor, Chrome Housing    | ENT3C3(xxx) |
| 18 LED, Tricolor, White Housing     | ENT3W3(xxx) |

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

8 LED Single Colors (x)	A = ● B = ● G = ● R = ● W = ○
16 LED Dual Colors (y)	D = ●○ E = ●○ F = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●
18 LED Tricolors (xxx)	BAG = ●●● BAW = ●●○ BGW = ●●○ GAW = ●●○ RAG = ●●● RAW = ●●○ RBA = ●●● RBW = ●●○ RBG = ●●● RGW = ●●○

### Under Mirror Mount Features

- Light includes 0, 5, 10 and 15 degree mounting wedges and foam gasket
- The first light of its kind to offer critical intersection warning and side warning
- 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
- Steady-burn white can be specified as a means of providing additional side/alley lighting

## 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

<b>INPUT VOLTAGE</b>	9-32 Vdc
<b>CURRENT DRAW</b>	8 LED Single Color, <1.3 Amp @ 12.8 Vdc, <0.65 Amp @ 25.6 Vdc 16 LED Dual Color, <1.3 Amp @ 12.8 Vdc, <0.65 Amp @ 25.6 Vdc 18 LED Tricolor, <1.0 Amp @ 12.8 Vdc, <0.5 Amp @ 25.6 Vdc
<b>LIGHT SYNC</b>	24 single sync 2 lighthead
<b>FLASH PATTERNS</b>	12 single, 14 dual or 14 tricolor
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	
Length	2.9" (7.4 cm)
Height	1.9" (4.8 cm)
Depth	2.9" (7.4 cm)
<b>MOUNTING</b>	Under mirror or surface mount
<b>CERTIFICATIONS</b>	SAE J845 Class 1 WS3-1 (100) certified (green is class 3 certified) ECE R10.05 certified
<b>WARRANTY</b>	Five-year

## Under Mirror and Surface Mount Light Accessories

Lights and replacement modules sold separately.

### Surface Mount Under Mirror Mount Bracket Kit

Ford PI Utility, 2017 and 2018 **PMP2BKUMB1**  
Dodge Durango, 2016-2018 **PNT3BKUMB4**



### 2018

Chevy Tahoe, Dodge Ram and Ford F-150

### 2019

Chevy Tahoe, Dodge Durango, Dodge Ram, Ford F-150 and Ford PI Utility

### Surface Mount Brackets

Chevrolet Tahoe  
Deck/Grille mount

**PNT3DGBB-TH**  
**PNT3DGBB**



### Under Mirror Curved Surface Adaptors (sold in pairs)

Universal  
Chevrolet Caprice, 2011- 2017  
Dodge Charger, 2011- 2017  
Dodge Durango, 2013- 2017  
Ford Explorer, 2013- 2017  
Ford Sedan, 2013- 2017

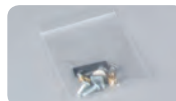
**PNT1CRV01**  
**PNT1CRV02**  
**PNT1CRV03**  
**PNT1CRV06**  
**PNT1CRV05**  
**PNT1CRV04**



### Under Mirror Installation Bracket

Bracket and screws included

**PNT1WRRT**



# GHØST Surface, Deck/Grille and Recess Mount Lights

## Surface Mounts



### Single Mount

- 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 R65 certified
- Chrome Housing, 10-16 Vdc, ECE R65 certified
- White Housing, 10-16 Vdc, ECE R65 certified
- (xylex lens; amber, blue or 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 or 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



### Dual Stacked Mount

- 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



### Single Stop/Tail Mount

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

- EGHSTT2(x)B
- EGHSTT2(x)B
- EGHSTT2(x)C
- EGHSTT2(x)W
- EGHSTT2(x)W



### Single Spot Mount, White LEDs

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

- EGHSTS2W
- EGHSTS2WC
- EGHSTS2WW

### Features

- Fits almost anywhere with premium optics offer optimal power and brightness
- Includes rubber mounting gasket and mounting hardware with 3-wire cable

# GHOST Surface, Deck/Grille and Recess Mount Lights

## Deck/Grille Mounts



### Single Multi-Mount

(includes three mounting options; permanent, single edge and 3M adhesive mounts)

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 LEDs

White Housing, Xylex Lens, Amber, Blue or Red LEDs

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

(includes two mounting options; permanent and 3M adhesive mounts)

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc, Red LEDs

EGHSTTR  
EGHSTTRW

### Single Spot Mount

Black Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

EGHSTS1W  
EGHSTS1WW

### Dual Multi-Mount

(includes three mounting options; permanent, dual edge and 3M adhesive mounts)

Black Housing, 10-16 Vdc

White Housing, 10-16 Vdc

Black Housing, 10-30 Vdc

White Housing, 10-30 Vdc

EGHDT1(xx)-12  
EGHDT1(xx)W-12  
EGHDT1(xx)  
EGHDT1(xx)W

## Recess Mounts



### Single Spot Mount

Black Housing, 10-30 Vdc, White LEDs

Chrome Housing, 10-30 Vdc, White LEDs

White Housing, 10-30 Vdc, White LEDs

EGHSTS2WB  
EGHSTS2WC  
EGHSTS2WW

### Single Stop/Tail Mount

Black Housing, 10-30 Vdc

Chrome Housing, 10-30 Vdc

White Housing, 10-30 Vdc (amber, blue or red solid colors)

EGHSTT5(x)B  
EGHSTT5(x)C  
EGHSTT5(x)W

# GHØST Recess Mount Lights

## Recess Mounts



### Single Mount

Black Housing, 10-16 Vdc	EGHST5(x)B-12
Chrome Housing, 10-16 Vdc	EGHST5(x)C-12
White Housing, 10-16 Vdc	EGHST5(x)W-12
Black Housing, 10-30 Vdc	EGHST5(x)B
Chrome Housing, 10-30 Vdc	EGHST5(x)C
White Housing, 10-30 Vdc	EGHST5(x)W
Black Housing, 10-30 Vdc, ECE R65/EMC Certified	EGHSTE5(x)B
Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified	EGHSTE5(x)C
White Housing, 10-30 Vdc, ECE R65/EMC Certified (amber, blue or red solid colors)	EGHSTE5(x)W
Black Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens	EGHSTE5(x)B-EU
Chrome Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens	EGHSTE5(x)C-EU
White Housing, 10-30 Vdc, ECE R65/EMC Certified, Xylex Lens (amber, blue or red solid colors)	EGHSTE5(x)W-EU

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

<b>Solid Colors</b>	A = ● B = ● G = ● R = ● W = ○
<b>Split Colors</b>	A = ● B = ● G = ● R = ● W = ○ D = ●○ E = ●○ F = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●

### 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
- Light includes rubber gasket and 15 inch wire length for hardwire installation

<b>INPUT VOLTAGE</b>	10-16 Vdc or 10-30 Vdc
<b>CURRENT DRAW</b>	<0.75 Amp (flash pattern dependent)
<b>LIGHT SYNC</b>	4 single sync, 1 lighthouse
<b>FLASH PATTERNS</b>	33 flash patterns
<b>LED COUNT</b>	6 LEDs
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	Single Multi, Single Stop Tail Multi, Single Spot or Rock Length: 5.7" (14 cm) Height: 1.06" (2.7 cm) Depth: 1.8" (4.6 cm) Dual Multi Length: 5.4" (14 cm) Height: 2.4" (6.1 cm) Depth: 1" (2.5 cm)
<b>MOUNTING</b>	Multi: 4" (10 cm) L x 0.9" (2.3 cm) H x 1.8" (4.6 cm) D Rock: 4.8" (12 cm) L x 2" (5.1 cm) H x 1.6" (4.1 cm) D
<b>CERTIFICATIONS</b>	SAE J595 Class 1 certified CA Title 13, Article 22 compliant EMC certified, 72/245/EEC ECE 65, Category X, Class 1 certified
<b>WARRANTY</b>	Five-year

# GHOST Surface and Deck/Grille Mount Accessories

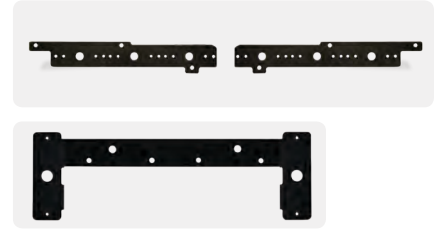
Lights and replacement modules sold separately.

## Single Surface Mount Brackets

Behind the grille installation, includes driver and passenger sides  
Chevy Tahoe 2015  
Vertical license plate installation

PNFSLDGSB-TH

PNFSLBRK2LPV



## Single Deck/Grille Mount Bracket

Front deck/grille, includes driver and passenger sides  
Chevy Tahoe 2015

PGHSTDGSB-TH



## Universal Rock Bracket Kit (includes mounting hardware)

Deck/grille rock bracket mount  
Bracket can also be used with the mpower® four inch stud mount and the mpower® HD light

PMP4BKRKLB



## Bolt 2 Surface Mount Light

Coming Soon!



### Features

- Available in 9 LED single colors and 18 LED dual colors
- ECE and SAE certified

Contact your sales representative for availability.

# Universal UnderCover LED Insert



10' cable length  
25' cable length



ELUC3HØ1Ø(x)  
ELUC3HØ25(x)

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

Solid Colors    A = ●    B = ●    G = ●    R = ●    W = ○

Dual Colors    D = ●○    E = ●○    F = ●○    J = ●●    K = ●●    L = ●●    M = ●●    N = ●●    P = ●●

### Features

- Features separate color control capability
- Secondary function can be flashing or steady burn
- Includes extreme angle lens, inline flasher and cable for hardwire installation
- Use with optional bezels to surface mount to any flat area on the vehicle body for additional lighting anywhere
- Compatible with the ConfigureIT system for easy light programming (see page 23 for details of the ConfigureIT system)

<b>INPUT VOLTAGE</b>	9-32 Vdc
<b>CURRENT DRAW</b>	<.65 Amp (flash pattern dependent) @ 12.8 Vdc, <0.33 Amp @ 25.6 vdc
<b>LIGHT SYNC</b>	24 single, sync 2 lightheads
<b>FLASH PATTERNS</b>	12 single color or 14 dual color
<b>LED COUNT</b>	6 LEDs
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C
<b>DIMENSIONS</b>	
Insert	
Height	.9" (2.3 cm)
Diameter	1.5" (3.8 cm)
Bezel	
Length	2.2" (5.6 cm)
Height	1.65" (4.2 cm)
Diameter	.63" (1.6 cm)
<b>MOUNTING</b>	Headlight and taillight mounts into 1" diameter cutout Screw-in surface mount with optional bezel Bezel mounts on 1.89" (4.8 cm) centers Twist-in or push-in options are also available
<b>CERTIFICATION</b>	ECE R10.05 certified
<b>WARRANTY</b>	Five-year

# Universal UnderCover LED Insert Accessories

Lights and replacement modules sold separately.

## Bezels (includes mounting gasket and hardware)

- White **PLUC2HSW**
- Black **PLUC2HSB**
- Chrome **PLUC2HSC**



Insert shown with a chrome bezel



## Additional Lens Options

- Extreme Angle **PLUC2LN1E**
- Horizontal **PLUC2LN1H**
- Vertical **PLUC2LN1V**



# LED3plus Mini Surface Mount Light



Mini Surface Mount

EL3PSN(x)

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

Solid Colors    A = ●    B = ●    G = ●    R = ●    W = ○

## Features

- High powered, versatile mini surface mount
- Many versatile mounting options with optional brackets and bezels for any vehicle and any mount
- Includes rubber mounting gasket and mounting hardware with 12" of 3-wire cable for hard wire installation

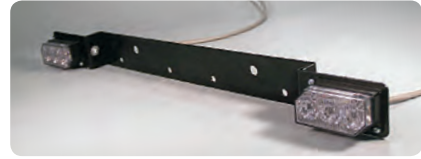
<b>INPUT VOLTAGE</b>	10-16 Vdc
<b>CURRENT DRAW</b>	<0.5 Amp @ 12.8 vdc, <0.25 Amp @ 25.6 vdc
<b>LIGHT SYNC</b>	4 single sync, 1 lighthouse
<b>FLASH PATTERNS</b>	33 flash patterns
<b>LED COUNT</b>	6 LEDs
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	
Length	2.5" (6.4 cm)
Height	1.4" (3.6 cm)
Depth	1.25" (3.2 cm)
<b>MOUNTING</b>	2.21" (5.6 cm) centers
<b>CERTIFICATIONS</b>	
	SAE J595 Class 1 certified Article 22, CA Title 13 compliant (blue and red = 1 light and amber = 2 lights)
<b>WARRANTY</b>	Five-year

# LED3plus Mini Surface Mount Accessories

## Mini Surface Mount Universal License Plates

Horizontal  
Vertical

EL3SNBRK2LPH  
EL3SNBRK2LPV



## Mini Surface Mount Brackets

Universal grille  
45 degrees, vertical  
90 degrees  
Side-by-side, 90 degrees  
Stacked 90 degrees, horizontal  
Stacked 90 Degrees, vertical

EL3SNBRK1GRU  
EL3SNBRK145  
EL3SNBRK19Ø  
EL3SNBRK29ØH  
EL3SNBRK29ØV  
EL3SNBRK29ØV



## Bezels

Four Inch Round, Ford Utility 2011-2014  
Dual Stacked  
Dual Side-by-Side

PEL3FLBKFSU  
PEL3BZDS(x)  
PEL3BZSS(x)



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

Housing Colors B = Black C = Chrome W = White



## Fog Light Kit (bracket and mounting hardware included)

Ford PI Utility 2013-2016

PEL3FLBKFSU

# nLINE Bracket Mount Light



48 Inch Length Shown



- 48 Inches, 4 Modules per 12 Inches **ENL148(x)**
- 60 Inches, 5 Modules per 12 Inches **ENL160(x)**
- 72 Inches, 6 Modules per 12 Inches **ENL172(x)**

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

Solid Colors    A = ●    B = ●    R = ●

Split Colors    D = ●○    E = ●○    F = ●○    J = ●●

## Features

- New and improved bracket mount with adjustable bracketry (straight and 60 degrees) included
- 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

<b>INPUT VOLTAGE</b>	10-16 Vdc
<b>CURRENT DRAW</b>	0.3 Amp @ 12.8 vdc per 12" module
<b>LIGHT SYNC</b>	4 single nLINE lighthouse
<b>FLASH PATTERNS</b>	10 flash patterns
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	
Widths	48" (121.9 cm); 60" (152.4 cm) or 72" (182.9 cm)
Depth	2.25" (5.7 cm) (all lights)
Height	.75" (1.9 cm) (all lights)
<b>MOUNTING</b>	Bracket mount with adjustable bracketry, straight and 60 degrees
<b>WARRANTY</b>	Three-year

# ML6 LED Flush Mount Light

Coming Soon!



Single Colors  
Split Colors

EML6E2Ø(x)  
EML6E2Ø(xx)

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

Single Colors      A = ●    B = ●    R = ●    W = ○

Split Colors      RW = ●○    BW = ●○    AW = ●○    RB = ●●    RA = ●●    BA = ●●    GA = ●●

## Features

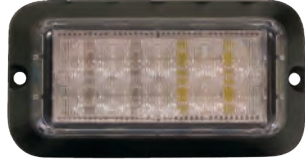
- Available in single or split colors
- Compact, low-profile flush mount design

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	1 Amp max @ 12.8 vdc
LIGHT SYNC	ML6 lights
FLASH PATTERNS	19 flash patterns
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
<b>DIMENSIONS</b>	
Width	1.38" (3.5 cm)
Depth	1.18" (2.99 cm)
Height	1.38" (3.5 cm)
MOUNTING	Flush mount
CERTIFICATIONS	ECE R65, Class 1 certified (amber, blue or red single colors) ECE R10.05 certified



# Surface Mount Lights

## Surface Mounts



### Single Mount Solid Colors

Black Housing	EP2SSMDB(x)
Chrome Housing	EP2SSMDB(x)C
White Housing	EP2SSMDB(x)W



### Dual Stacked Mount Solid Colors

Black Housing	EP2DSMDB(x)
Chrome Housing	EP2DSMDB(x)C
White Housing	EP2DSMDB(x)W



### Dual Stacked Stop/Tail Mount Solid or Dual Colors

Black Housing	EP2DSMSTT(x)
Chrome Housing	EP2DSMSTT(x)C
White Housing	EP2DSMSTT(x)W

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

Solid Colors    A = ●   B = ●   G = ●   R = ●   W = ○

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

### Features

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

## Accessories

Lights and replacement modules are sold separately.



45 Degrees, Vertical (pair)    PPRSM45BRKT



90 Degrees (pair)    PPRSM90BRKT

# Predator II Deck/Grille Mount Lights

## Deck/Grille Mounts



**Single Mount**  
**Solid Colors**

Black Housing

EP2SGS1(x)



**Dual Side-by-Side Mount**  
**Solid or Split Colors**

Black Housing

EP2DGS1(x)

Replace (x) in the Order Number for Standard 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 lighthouse adjustment to angle the light
- Includes 18" of 3-wire cable
- Convenient side wire exit for easier installation
- Includes 18" of 3-wire cable

<b>INPUT VOLTAGE</b>	10-30 Vdc			
<b>CURRENT DRAW</b>	<b>Single</b>	<1.1 Amp @ 8 vdc, <0.55 Amp @ 25.6 vdc		
	<b>Dual Stacked or Side-by-Side</b>	<2.0 Amp @ 12.8 vdc, <1 Amp @ 25.6 vdc		
<b>LIGHT SYNC</b>	4 single or 2 dual sync 1 lighthoods			
<b>FLASH PATTERNS</b>	33 flash patterns			
<b>LED COUNT</b>	<b>Single</b>	8 LEDs		
	<b>Dual Stacked or Side-by-Side</b>	16 LEDs		
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +149° F			
<b>DIMENSIONS</b>				
<b>Surface Mount</b>	<b>Single</b>	<b>Length</b> 4.5" (11 cm)	<b>Height</b> 2.4" (6.0 cm)	<b>Depth</b> 1.25" (3.2 cm)
	<b>Dual Stacked</b>	<b>Length</b> 4.5" (11 cm)	<b>Height</b> 3.8" (9.7 cm)	<b>Depth</b> 1.25" (3.2 cm)
<b>Deck/Grille Mount</b>	<b>Single</b>	<b>Length</b> 4.3" (11 cm)	<b>Height</b> 2.4" (7 cm)	<b>Depth</b> 1.75" (4.4 cm)
	<b>Dual Side-by-Side</b>	<b>Length</b> 8.5" (22 cm)	<b>Height</b> 2.4" (7 cm)	<b>Depth</b> 1.75" (4.4 cm)
<b>MOUNTING</b>				
<b>Surface Mount</b>	<b>Single</b>	4.125" (1.0 cm) centers		
	<b>Dual Stacked</b>	4.14" (1.0 cm) centers		
<b>Deck/Grille Mount</b>	<b>Single</b>	Surface mount on 2.77" (7.0 cm) centers		
	<b>Dual Side-by-Side</b>	7.85" (20 cm) centers		
<b>CERTIFICATIONS</b>	SAE J595, Class 1 certified Article 22, CA Title 13 compliant			
<b>WARRANTY</b>	Five-year			

# Signal Warning LED Lights

## Four Inch Round



### Amber Turn

With Flange

**ECVR44TY-FA**

With Grommet

**ECVR42TY-FA**

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



### Red Stop/Tail/Turn

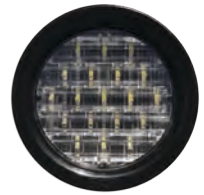
With Flange

**ECVR44STT-FA**

With Grommet

**ECVR42STT-FA**

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



### Round White Backup

With Flange

**ECVR44B3W-FA**

With Grommet

**ECVR42B2W-FA**

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

## Six Inch 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



### Amber Park/Turn

With Grommet

**ECVO62TY-FA**

With Grommet and Deutsch Connector

**ECVO62TY-DFA**

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



### White Backup

With Grommet

**ECVO62B2W-FA**

With Grommet and Deutsch Connector

**ECVO62B2W-DFA**

# Marker Warning LED Lights

## Compact License Plate



### License Plate

Standard	ECVLPBLED
With Deutsch Connector	ECVLPBLED-D

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

## Two Inch Round Marker



### Marker

Amber LEDs/Amber Lens with Grommet and Mating Harness	ECVML2Ø2Y
Red LEDs/Red Lens with Grommet and Mating Harness	ECVML2Ø2R
Amber LEDs/Amber Lens with Integrated Waterproof Mounting Flange	ECVML2Ø3Y
Red LEDs/Red Lens with Integrated Waterproof Mounting Flange	ECVML2Ø3R

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

## Two and a Half Inch Round Marker



### Marker

Amber LEDs/Amber Lens with Grommet and Mating Harness	ECVML252Y
Red LEDs/Red Lens with Grommet and Mating Harness	ECVML252R
Amber LEDs/Amber Lens with Grommet and Deutsche Connector	ECVML252Y-D
Red LEDs/Red Lens with Grommet and Deutsche Connector	ECVML252R-D
Amber LEDs/Amber Lens, 24 Volt with Grommet and Deutsche Connector	ECVML252Y-D24V
Red LEDs/Red Lens, 24 Volt with Grommet and Deutsche Connector	ECVML252R-D24V

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

# Recess Warning LED Lights

## Four Inch Round Warning



### Warning

Amber LEDs/Clear Lens	ERDREBZA
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**CERTIFICATIONS** SAE J595 certified and California Title 13, certified compliant

## Six Inch Oval Warning



### Warning

Amber LEDs/Clear Lens	EOVREBZA
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**CERTIFICATIONS** SAE J595 Class 1 certified



## Six Inch Oval Warning Accessory

Light is sold separately.

Chrome Dress Ring	ECV06CHRM
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# bluePRINT<sup>®</sup> 3 Control System

automatic logic



**bluePRINT 2 and 3 Central Controller**

bluePRINT 3 central controller requires the bluePRINT 3 app



**Eight Button Controller with Slide Switch and Microphone**



**Dual-Tone PA Amplifier**

100 or 200 watt options available



**Remote Node**



**100 Watt PA (sealed)**

## Features

### Eliminate Point-to-Point Wiring

- The central controller, remote node and 200R PA 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 PA components.

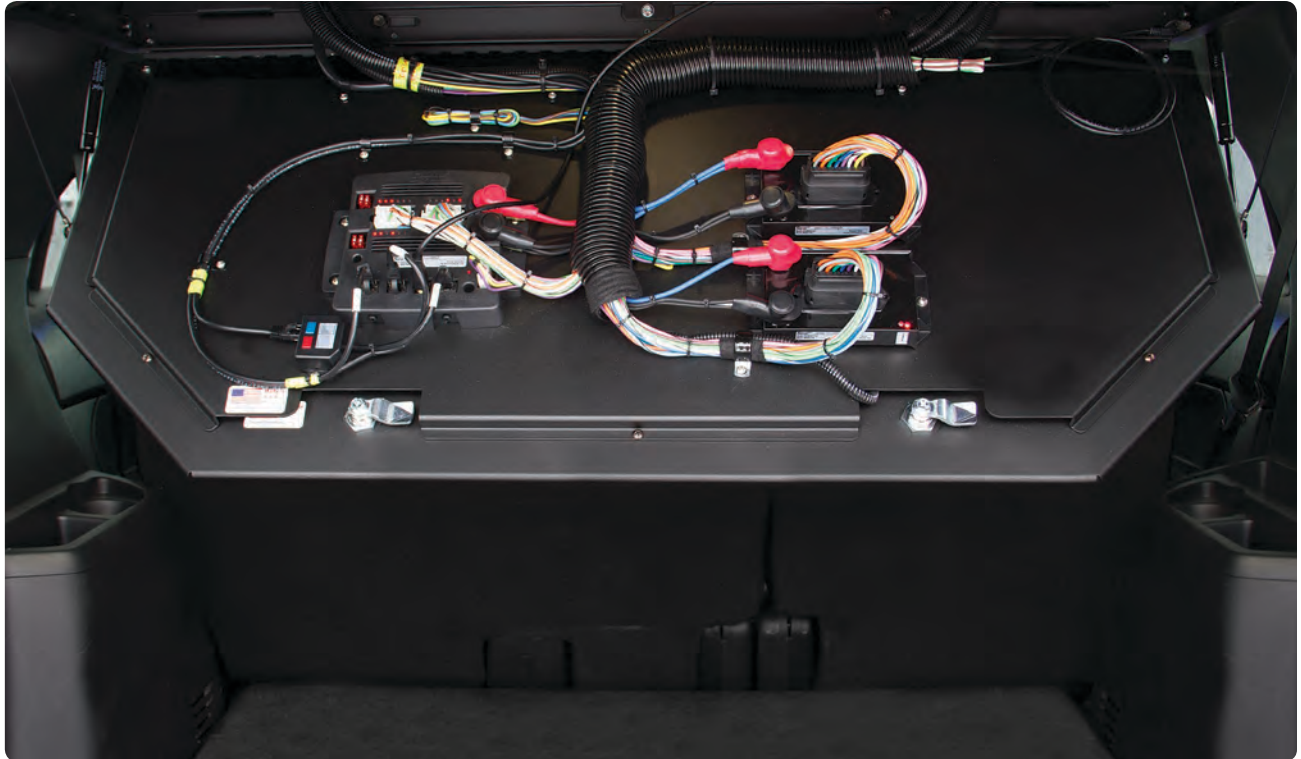
### Improve System Reliability and Convenience

- Current switching within the central controller and the remote node 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.

<b>INPUT VOLTAGE</b>	10-16 Vdc (negative ground)
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C (remote node up to 85° C)
<b>TOTAL SYSTEM INPUTS</b> Up to 42 Total Inputs	Central Controller Ignition Input Remote Node: 4 each (up to 5 remote nodes can be used throughout vehicle)
<b>TOTAL SYSTEM OUTPUTS</b> Up to 86 Total Outputs	Central Controller: up to 4 constant on and 20 programmable outputs Remote Nodes: 10 each (up to 5 remote nodes can be used throughout vehicle) 400 Series PA: 12 non-flashing programmable relay outputs; 3 are 20 Amp outputs
<b>TOTAL SWITCHING CURRENT</b> Up to 450 Amps Total	Central Controller: 100 Amp total Remote Node: 50 Amp each (up to 5 nodes) 400 Series PA: 100 Amp total
<b>SOFTWARE REQUIREMENTS</b> PC or Tablet (used only for initial programming and diagnostics)	Windows 7 SP1 or later Pentium 1GHz or higher Minimum 512 MB of RAM Minimum disk space of 5 GB NET 4.5 Library (will be prompted to download if not already installed, .Net 4.6) USB 1.1 or higher, cable with Type B plug

# bluePRINT 3 Control System

Improve Safety and Efficiency.  
Eliminate Point-to-Point Wiring.  
Improve System Reliability and Convenience.



## Features

- Uses PC application to program all control panel settings
- Ability to run two simultaneously connected control panels, allows users System Control from two different locations
- Compatible with all nERGY® 400 Series Control Panels
- Backlight features two different intensity levels controlled by any system input
- System inputs can be programmed to trigger the state of control panel buttons.
- Set any input to activate or deactivate a control panel button
- Allows user to select up to 24 CAN inputs, configurable and selectable from over 45 vehicle specific signals without the need for additional wiring
- Trigger control panel reminder with any selected input
- Improved bluePRINT program upload and download speeds
- Two cruise modes available

# bluePRINT<sup>®</sup> 3 Link<sup>®</sup> Module

automatic logic

When used with the bluePRINT controller, the bluePRINT Link module allows access to a variety of the vehicle's data parameters.



Module



Central Cable



Vehicle Specific Network Cable

## Features

- By incorporating the bluePRINT Link module into the vehicle, the need to splice into discrete wire triggers can be greatly reduced
- Reduces time that is required to install a bluePRINT system into a vehicle
- Increases system reliability due to issues when wiring into discrete triggers
- Provides access to vehicle parameters that may not have been available via discrete wires, such as door status, battery voltage, and vehicle speed, to name a few
- Vehicle parameters can be mapped as input triggers to automate the control of vehicle lighting

## Vehicle Models and Years

### Chevrolet Models

	Years
Express Vans .....	2008-2019
GMC Savana Vans.....	2008-2019
Silverado Pickup Trucks .....	2014-2019
Sierra Pickup Trucks .....	2014-2019
Suburban .....	2015-2019
Yukon.....	2015-2019
Tahoe.....	2014-2019

### FCA

Models	Years
Charger Pursuit.....	2015-2018
1500, 2500, 3500, 4500 and 5500.....	2013-2018
RAM Pickup Trucks	
Durango Pursuit.....	2018

### FORD Models

	Years
E-Series Super Duty Vans.....	2009-2017
E-350 Super Duty Vans .....	2009-2017
Expedition .....	2015-2018
F-250, F-350, F-450 and F-550 Pickup Trucks .....	2011-2018
PI Sedan.....	2013-2018
PI Utility.....	2013-2018
Escape .....	2016-2017
Transit Van .....	2015-2017
Explorer .....	2016-2018
F-150.....	2015-2018
F-150 Responder .....	2018

Contact your sales representative for latest vehicle models and years.

## WARRANTY

Three years from the in-service date (if the warranty registration is completed on-line)  
 Visit <https://www.soundoffsignal.com/product-registration/> to register this product

One year from the date the product was shipped (if the warranty registration was not completed)

# SoundOff Signal Control System



Eight Button Controller with Slide Switch ETCPRSPØ1

## Features

- Similar to the 400 Series remote PA control panel without having the PA tone control
- Retains radio rebroadcast and PA features for applications that do not require tone controls
- Provides up to seven 10 amp and three 20 amp outputs with internal fuses for powering solenoids (amplifier required) or supplying power and signaling to other onboard peripherals (printer, GPS, etc.)
- Built-in protection against over/under voltage, short circuit and reverse polarity
- Features an eight-second buzzer alert to notify users that the level or auxiliary buttons are activated
- Cabling setup is the same as the 400 PA Series allowing for easy swap-in
- Dimmable green LED backlighting
- Dual control panel capability

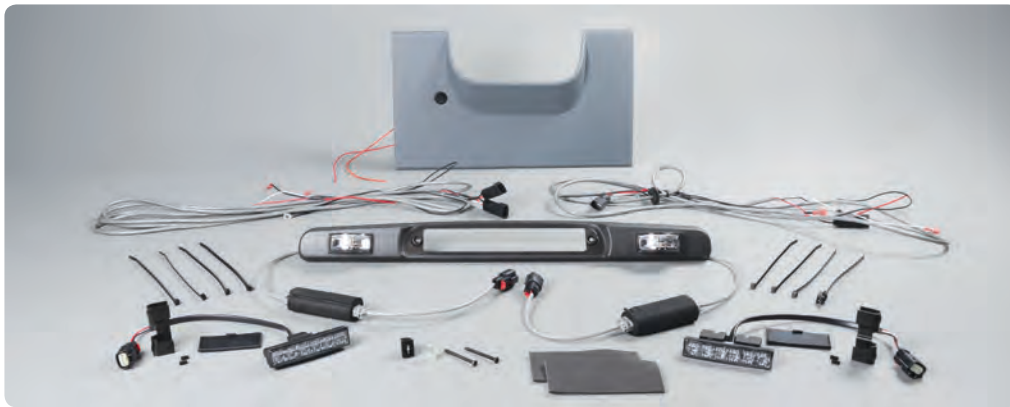
<b>INPUT VOLTAGE</b>	10-16 Vdc
<b>DIMENSIONS</b>	
<b>Handheld Panel</b>	
Height	3.51" (8.92 cm)
Width	6.98" (17.73 cm)
Depth	1.17" (2.98 cm)
<b>Remote Amplifier/Relay</b>	
Height	2.62" (6.66 cm)
Width	7" (17.80 cm)
Depth	6.51" (16.54 cm)
<b>WARRANTY</b>	Three-year



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 For additional information on Ford OEM products, visit us at [www.soundoffsignal.com/products/ford/](http://www.soundoffsignal.com/products/ford/).

## Super Duty Four Corner Strobe Kits 2010-2016 MODEL YEARS AND FOR ALL CAB CONFIGURATIONS

Super Duty Four Corner Strobe Kit with Stand Alone Switch, Amber



Adobe ET4CCL01AABA    Black ET4CCL01AABB    Gray ET4CCL01AABG

Super Duty Four Corner Strobe Kit with Up Fitter Switch, Amber



ET4CCL01AAB

### Features

- Sleek, forward-facing lights provide high visibility
- Rear-facing lights distribute 180-degrees of output
- No-drill application
- Quick installation
- Five-year warranty

# Super Duty Four Corner Strobe Kit Certifications

## 2010-2016 MODEL YEARS

### intersecor Surface Mount



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CERTIFICATIONS SAE J845 Class 1 WS3-1 (100) certified

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WARRANTY Five-year

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### GHOST Deck/Grille Mount



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CERTIFICATIONS SAE J595/J845 California XIII DOT certified

---

WARRANTY Five-year

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# F-150 Four Corner Strobe Kit

## 2015-2019 MODEL YEARS AND FOR ALL CAB CONFIGURATIONS

### F-150 Four Corner Strobe Kit with Stand Alone Switch



Amber	<b>ET4CCL11AAB1</b>	Amber/Green	<b>ET4CCL11PPB1</b>	Red/Amber	<b>ET4CCL11KKB1</b>
Blue	<b>ET4CCL11BBB1</b>	Amber/White	<b>ET4CCL11FFB1</b>	Red/Blue	<b>ET4CCL11JJB1</b>
Red	<b>ET4CCL11RRB1</b>	Blue/White	<b>ET4CCL11EEB1</b>	Red/White	<b>ET4CCL11DDB1</b>
		Green/White	<b>ET4CCL11HHB1</b>	White/White	<b>ET4CCL11WWB1</b>

### Accessory

**Single Deck/Grille Mount Bracket** (includes mounting hardware)  
 Ford F-150, XL trim level front grille bracket **PFD4CGLBK48**

# Super Duty Four Corner Strobe Kit

## 2017-2019 MODEL YEARS AND FOR ALL CAB CONFIGURATIONS

### Super Duty Four Corner Strobe Kit with Stand Alone Switch



Amber	<b>ET4CCL21AAB1</b>	Amber/Green	<b>ET4CCL21PPB1</b>	Red/Amber	<b>ET4CCL21KKB1</b>
Blue	<b>ET4CCL21BBB1</b>	Amber/White	<b>ET4CCL21FFB1</b>	Red/Blue	<b>ET4CCL21JJB1</b>
Red	<b>ET4CCL21RRB1</b>	Blue/White	<b>ET4CCL21EEB1</b>	Red/White	<b>ET4CCL21DDB1</b>
		Green/White	<b>ET4CCL21HHB1</b>	White/White	<b>ET4CCL21WWB1</b>

### Features

- Sleek, forward-facing lights provide high visibility
- Rear-facing lights distribute 180-degrees of output
- Both front and rear-facing lights each flash the color(s) in the description
- No-drill application
- Quick installation
- Five-year warranty

# F-150 and Super Duty Four Corner Strobe Kit Certifications

2015-2019 MODEL YEARS FOR THE F-150  
2017-2019 MODEL YEARS FOR THE SUPER DUTY

## intersector Surface Mount



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CERTIFICATIONS SAE J595/J845 Class 1 WS3-1 (100) and CA Title 13 and DOT certified

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WARRANTY Five-year

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## GHOST Deck/Grille Mount



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CERTIFICATIONS SAE J595/J845, Class 1 certified and CA Title 13 and DOT certified

---

WARRANTY Five-year

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# Intelliswitch 990 and 993 Digital Switches Professional Use

## Switches



990 Digital Switch **ETSP990**



993 Digital Switch with Power Pursuit Buttons **ETSP993**

### Features: 990

- Offers six Ryno-Tuf durable push buttons that are fully programmable with 60 amp maximum output with one push button that can be set as an eight second timed momentary if needed
- Model offers 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

### Features: 993

- Offers 11 programmable buttons, nine total Ryno-Tuf push buttons, three power pursuit with two 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
- Two hidden membrane switches can be programmed for discreet functions of your choice such as timed gun lock
- Model offers 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



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

<b>INPUT VOLTAGE</b>	12 Vdc
<b>CURRENT DRAW</b>	
990	60 Amp maximum
993	2 Amp maximum
<b>DIMENSIONS</b>	
Width	6.5" (16.5 cm)
Height	2.5" (6.4 cm)
Depth	2" (5.1 cm)
<b>MOUNTING</b>	2-piece swivel style bracket included or can be console mounted
<b>WARRANTY</b>	Five-year

# 600, 900 Series and Directional Arrow Switches

## 600 and 900 Series



600 Series 6 Function Switch **ETSP6F**



900 Series Function Switch **ETSP9F**

### Features: 600 Series

- Six mini rocker switches with red LED indicator ON lights. Has a single 40 amp relay/circuit breaker with five to twenty amp fused switch output
- Includes switch box with universal bracket, mounting hardware, switch labels and 18" pigtail with insulated quick connects for termination

### Features: 900 Series

- Nine functions, three position slide switch with six mini rocker switches. Slide switch features 20 amp/output with LED indicator on lights
- Includes switch box with universal bracket, mounting hardware, switch labels and 18" pigtail with insulated quick connects for termination

**INPUT VOLTAGE** 12 Vdc

#### CURRENT DRAW

600 Series 40 Amp max  
900 Series 60 Amp max

#### DIMENSIONS

Width 6.2" (16 cm)  
Height 2.2" (5.6 cm)  
Depth 5.2" (13 cm)

**WARRANTY** One-year

## Directional Arrow



Directional Arrow Switch **ETSWDASØ1**

### Feature

- Seven programmable warning modes with a fully illuminated display to show pattern activated and input selected

**INPUT VOLTAGE** 10-30 Vdc

**CURRENT DRAW** .8 Amp

#### DIMENSIONS

Width 6.5" (17 cm)  
Height 3.5" (8.9 cm)  
Depth 1.2" (3 cm)

**WARRANTY** One-year

# Headlight Plug-in Flashers

## Ford PI Utility



PI Utility, 2016 and 2017

**ETHFFUT-16**

### Features

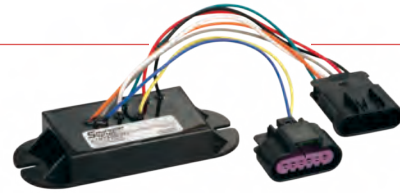
- Select-a-Pattern Technology with seven user selectable flash patterns: PowerPulse, RoadRunner, ETM, Cycle Flash, Q-Switch, Single Flash or Double Flash Alternating
- Durable and non-corrosive ABS plastic housing
- 100% solid state output, potted design for long-lasting, reliable performance
- Positive switching
- 10-16 Vdc

## Chevrolet Caprice and Tahoe



Caprice, 2011+

**ETHFSS-CP**



Tahoe, Solid State 2007+

**ETHTAHØ-Ø7+**

### 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 and under voltage
- Durable and non-corrosive ABS plastic housing
- 100% solid state, potted design for long-lasting, reliable performance

# Headlight Flasher



8-30 Vdc, 18" Wire Leads

8-30 Vdc, 12v Isolation (for systems requiring electrical isolation)

Amp Connector and Harness, 9.5 Amp

Isolation Model, 12v

**ETHFSS-SP**

**ETHFSS-FV**

**ETHFSS-SPFL**

**ETHFSS-SP-ISO**

### Features

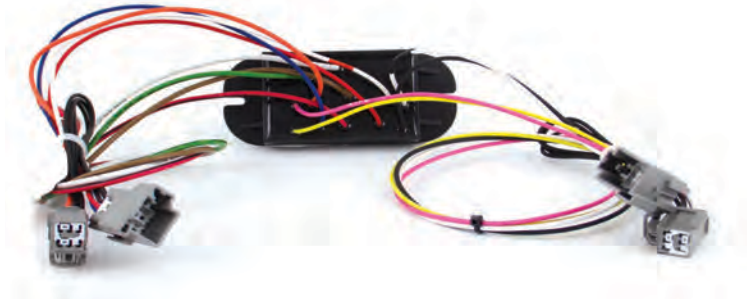
- Select-a-Pattern Technology with eight user selectable flash patterns
- Ideal for most "big three" car models - designed for two to four headlight positive side switched headlight systems
- Durable and non-corrosive ABS plastic housing
- 100% solid state output, potted design for long-lasting, reliable performance
- Positive switching

# Flashback Alternating Taillight

## Solid State Flashers

### Ford PI Utility

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PI Utility, 2016 and 2017

ETFFUT-16

### Flashers

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Taillight  
Amp Connector and Fleet Harness

ETFBSN-P  
ETFBSANFL

### Features

- Twelve 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

## LED Light Flasher



Two Output with Eight Flash Patterns

ETFFCØ2LED

### Features

- Synchronizes all LED warning lights, overrides all SoundOff Signal® LED warning lights to take over pattern control
- Two LED flashers offer seven user selectable flash patterns
- For use with LED lights only

# Ignition Security Systems

## Heavy Duty and Standard



Heavy Duty Model **ETISSO-Ø6+**



Standard Model **ETISSO-Ø7+**

### Features: Heavy Duty Model

- Designed to be compatible with many different types of vehicles
- For 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

### Features: Standard Model

- Easy to install and designed to be compatible with a variety of vehicles
- 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)
- Override 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.

<b>INPUT VOLTAGE</b>	10-16 Vdc
<b>CURRENT DRAW</b>	
Heavy Duty	8 outputs, 130 Amp total
Standard	4-10 Amp output
<b>DIMENSIONS</b>	
Heavy Duty	
Length	6" (15 cm)
Height	3.5" (8.9 cm)
Depth	1.5" (3.8 cm)
Standard	
Length	6" (15 cm)
Height	3.4" (8.6 cm)
Depth	0.8" (2.0 cm)
<b>MOUNTING</b>	
Heavy Duty	Behind dash, within wire length of the steering column, on 5.6" (14 cm) centers, 16" (41 cm) wires
Standard	Behind dash, within wire length of the steering column, on 5.6" (14 cm) centers, 24" (61 cm) wires
<b>WARRANTY</b>	One-year

# reVerb Back-Up Alarms

## Wire Leads



Includes a Ground Clip Option **ETBASS2000**



Easy Installation **ETBASS2200**

## UL Certified



**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

<b>VOLTAGE</b>	12-24 Vdc	
<b>DB LEVEL</b>	<b>ETBASS2000</b>	97 dB
	<b>ETBASS2200</b>	107 dB
	<b>ETBASS3500</b>	87-112 dB (self-adjusting)
<b>CURRENT DRAW</b>	<b>ETBASS2000</b>	<.6 Amp
	<b>ETBASS2200</b>	< 8 Amp
	<b>ETBASS3500</b>	<.8 Amp
<b>OPERATING TEMPERATURE</b>	-40° F to 185° F	
<b>DIMENSIONS</b>	<b>ETBASS2000</b>	
	Length	4" W (10.1 cm)
	Height	2.73" (6.9 cm)
	Depth	1.62" (4.1 cm)
	<b>ETBASS2200</b>	
	Length	4.25" (10.3 cm)
	Height	2.74" (7.0 cm)
	Depth	1.62" (4.1 cm)
	<b>ETBASS3500</b>	
	Length	5" (12.7 cm)
	Height	3.11" (7.9 cm)
	Depth	4" (10.2 cm)
<b>CERTIFICATIONS</b>	<b>ETBASS2000</b>	SAE J994 Type C certified
	<b>ETBASS2200</b>	SAE J994 Type B certified
	<b>ETBASS3500</b>	UL certified
<b>WARRANTY</b>	Two-year	

# Dome LED Interior Lights

## Night Light, Red LEDs



Dodge Charger  
Universal

**ECVDMLTALDC**  
**ECVDMLTALØØ**

### Features

- 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

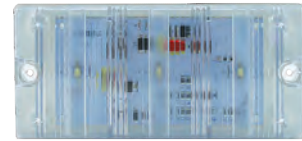
<b>INPUT VOLTAGE RANGE</b>	10-30 Vdc
<b>CURRENT DRAW</b>	<0.2 Amp for LED
<b>TECHNOLOGY</b>	1 white LED and 8 red LEDs
<b>OPERATING TEMPERATURE</b>	-40° C to +65° C / -40° F to +65° F
<b>DIMENSIONS</b>	
Diameter	5.9" (15 cm)
Depth	0.9" (2.3 cm)
<b>MOUNTING</b>	Surface mount

## Universal, White LEDs



White Dome (shown)  
White Dome, Grey Base

**ECVDMLTST4**  
**ECVDMLTST4G**



White Dome

**ECVDMLTST2**

### Features

- Easy on the electrical system
- Great for interior light for overhead lighting

<b>INPUT VOLTAGE RANGE</b>					
<b>ECVDMLTST4</b>	10-16 Vdc	<b>ECVDMLTST4G</b>	10-16 Vdc	<b>ECVDMLTST2</b>	10-30 Vdc
<b>CURRENT DRAW</b>					
<b>ECVDMLTST4</b>	<0.45 Amp	<b>ECVDMLTST4G</b>	<0.45 Amp	<b>ECVDMLTST2</b>	<0.65 Amp
<b>DIMENSIONS</b>					
<b>ECVDMLTST4</b>		<b>ECVDMLTST4G</b>		<b>ECVDMLTST2</b>	
Width	6" (15.24 cm)	Width	6" (15.24 cm)	Width	7" (17.78 cm)
Height	3" (7.62 cm)	Height	3" (7.62 cm)	Height	3.25" (8.25 cm)
<b>MOUNTING</b>	Surface mount				
<b>WARRANTY</b>					
<b>ECVDMLTST4</b>	Two-year	<b>ECVDMLTST4G</b>	Two-year	<b>ECVDMLTST2</b>	Five-year

# Strip LED Interior Lights

## Strip Mount



12" Length, 10-16 Vdc

**ECVCSMLEDF**

12" Length, 10-30 Vdc

**ECVCSMLEDF-24**

### 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



10" Length, 10-16 Vdc

**ECVCSLLED1Ø**

10" Length, 10-30 Vdc

**ECVCSLLED10-3Ø**

21" Length, 10-16 Vdc

**ECVCSLLED21**

21" Length, 10-30 Vdc

**ECVCSLLED21-3Ø**

32" Length, 10-16 Vdc

**ECVCSLLED32**

32" Length, 10-30 Vdc

**ECVCSLLED32-3Ø**

43" Length, 10-16 Vdc

**ECVCSLLED43**

43" Length, 10-30 Vdc

**ECVCSLLED43-3Ø**

### Features

- Streamlined, low amp draw LED lighting
- 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



12" Length, 10-16 Vdc

**ECVCLLED12**

24" Length, 10-16 Vdc

**ECVCLLED24**

36" Length, 10-16 Vdc

**ECVCLLED36**

42" Length, 10-16 Vdc

**ECVCLLED42**

### 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

**CURRENT DRAW** 0.4 Amp per 12" length

**WARRANTY** Five-year

# nROADS<sup>®</sup> LED Beacons



## Low Dome, Flat/Pipe Mount

LED Count	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Single Color, Amber LEDs	Amber	Class 2
3 LED	Single Color, Amber LEDs	Clear	Class 2
6 LED	Single Color, Amber LEDs	Amber	Class 1
6 LED	Single Color, Amber LEDs	Clear	Class 1
12 LED	Single Color, Amber LEDs	Amber	Class 1
12 LED	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

## Low Dome, Magnetic with Cig Plug Mount

LED Count	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Single Color, Amber LEDs	Amber	Class 2
3 LED	Single Color, Amber LEDs	Clear	Class 2
6 LED	Single Color, Amber LEDs	Amber	Class 1
6 LED	Single Color, Amber LEDs	Clear	Class 1
12 LED	Single Color, Amber LEDs	Amber	Class 1
12 LED	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1



## High Dome, Flat/Pipe Mount

LED Count	Beacon Style	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 2
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 2
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 1
6 LED	Split	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
12 LED	Solid or Split	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

## High Dome, Magnetic Mount

LED Count	Beacon Style	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 2
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 2
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 1
6 LED	Split	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED	Solid	Dual Colors, Amber, Red or White LEDs	Clear	Class 1

# nROADS LED Beacons

## High Dome Beacon Styles

**Solid** = Single LED color options for upper and lower

**Split** = Single or Dual LED color options for upper and lower



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

**LOW DOME** Single Color: A = ● Dual Colors: F = ●○ J = ●●

**HIGH DOME** Solid, Single Color: A = ●● Split, Single Colors: AR = ●● AW = ●○ RW = ●○ Split, Dual Colors: FF = ●○ KK = ●●



To order configured products, contact your sales representative or customer service department.

### Features

- Low dome has 4 modules and high dome has 8 modules
- Offset dual stack Includes 8 total modules that provide 360 degrees of intense lighting coverage
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base
- Durable polycarbonate lens
- Top LEDs are optional

<b>INPUT VOLTAGE RANGE</b>	10-16 Vdc or 9-32 Vdc (configurable option)	
<b>NUMBER OF LEDS AND MAXIMUM CURRENT DRAW PER MODULE @ 12.8 VDC</b>		
3 LED Single Color	.5 Amp	
6 LED Single Color	1 Amp or 6 LED Dual Color: .5 Amp	
9 LED Single Color	1.5 Amp	
12 LED Single Color	2 Amp; 12 LED Dual Color: 1 Amp	
18 LED Tricolor	1 Amp	
<b>NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC</b>		
3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts	
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts	
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts	
9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts	
12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts	
12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts	
18 LED Tricolor	Steady burn, 12.8 Watts, flashing, 6.4 Watts	
<b>FLASH PATTERNS</b>	43 flash patterns; 9 user selectable modes	
<b>LIGHT SYNC</b>	Up to 24	
<b>OPERATING TEMPERATURE</b>	-40° C to + 65° C	
<b>DIMENSIONS</b>		
<b>Low Dome</b>	<b>Height</b> 3.6" (9.25 cm)	<b>Diameter</b> 8.6" (21.8 cm)
<b>High Dome</b>	<b>Height</b> 5.3" (13.4 cm)	<b>Diameter</b> 8.6" (21.8 cm)
<b>MOUNTS</b>	Permanent mount Magnetic mount (magnetic includes 10 foot cig plug cord with integrated 2-button rocker switch panel) 1" NPT pipe mount	
<b>CERTIFICATIONS</b>	3 LED Single and 6 LED Dual Colors: J845 Class 2 certified 6, 9, 12 LED Single, 12 LED Dual and 18 LED Tricolors: J845 Class 1 certified 6, 9 LED Single and 12 LED Dual Colors: CA Title 13 certified	
<b>WARRANTY</b>	Five-year	

# nROADS® LED Beacon Accessories

Beacons are sold separately.



**Branch Guard and Base Plate Kit**  
Flat/Pipe Mount, High and Low Dome



Shown with a high dome beacon

**PNRBCBGBH**

## Features

- Designed specifically for use with the nROADS flat/pipe, high and low dome beacons
- Provides added protection to beacons operating in harsh working environments
- Black steel



Shown with a high dome beacon

**Four Button Cig Plug Controller (configurator option)**  
Low and High Dome

## Features

- Replicates the four control wires available on the discrete wire option
- Four different flash patterns/color combinations can be stored and accessed at the push of a button
- Color backlighting shows which button(s) are being activated
- Backlit buttons can be set to always on or to sleep after 10 seconds
- Indicator LED will flash when user activates programming mode
- Audio feedback when button are pressed can be active or deactivated
- Backlight level of the buttons are adjustable



**VHB Magnetic Plate Adapter Kit**  
Kit includes (1) one VHB pad and metal plate **PNRLBKØ3**

## Feature

- Additional mounting options when using non-magnetic mounting surfaces

# 4800 and 4500 Series LED Beacons



## 4800 Series

### Flat/Pipe Mount

Dome Size	LED Colors	Dome Colors	Order Numbers
Four Inch	Amber	Amber	ELB48BCLØAA
Four Inch	Blue	Blue	ELB48BCLØBB
Six Inch	Amber	Amber	ELB48BCHØAA
Six Inch	Blue	Blue	ELB48BCHØBB

### Magnetic Mount

Dome Size	LED Colors	Dome Colors	Order Numbers
Four Inch	Amber	Amber	ELB48BML+AA
Four Inch	Blue	Blue	ELB48BML+BB
Six Inch	Amber	Amber	ELB48BMH+AA
Six Inch	Blue	Blue	ELB48BMH+BB

## 4500 Series

### Flat/Pipe Mount

Dome Size	Order Numbers
Four Inch	ELB45BCLØ(xx)
Six Inch	ELB45BCHØ(xx)

### Magnetic Mount

Dome Size	Order Numbers
Four Inch	ELB45BML+(xx)
Six Inch	ELB45BMH+(xx)

Replace (xx) in the Order Number for LED Color and Dome Color Selection

AA = Amber LEDs, Amber Dome  
 AC = Amber LEDs, Clear Dome  
 BC = Blue LEDs, Clear Dome  
 BB = Blue LEDs, Blue Dome

FC = Amber and White LEDs, Clear Dome  
 GC = Green LEDs, Clear Dome  
 GG = Green LEDs, Green Dome  
 JC = Red and Blue LEDs, Clear Dome (low dome only)

RC = Red LEDs, Clear Dome  
 RR = Red LEDs, Red Dome  
 WC = White LEDs, Clear Dome

### Features: 4800 and 4500 Series

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

Refer to page 78 for branch guard and dust cover accessories.

## 4200 Series Coming Soon!

### Flat/Pipe Mount

Dome Size	LED Colors	Dome Colors	Order Numbers
Four Inch	Amber	Amber	ELB42CLØAA
Six Inch	Amber	Amber	ELB42CHØAA

### Magnetic Mount

Dome Size	LED Colors	Dome Colors	Order Numbers
Four Inch	Amber	Amber	ELB42MLØAA
Six Inch	Amber	Amber	ELB42MHØAA

<b>INPUT VOLTAGE RANGE</b>	10-30 Vdc		
<b>CURRENT DRAW</b>	<b>4800 Series</b> 1.5 Amp @ 12 Vdc, .75 Amp @ 24 Vdc	<b>4500 Series</b> 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc	
<b>LED COUNT</b>	<b>4800 Series</b> 16 LEDs	<b>4500 Series</b> 12 LEDs	
<b>FLASH PATTERNS</b>	<b>4800 Series</b> 6 flash patterns	<b>4500 Series</b> 8 flash patterns	
<b>OPERATING TEMPERATURE</b>	-40° C to + 65° C		
<b>DIMENSIONS</b>	<b>4" Dome with base</b> Height 5" (12 cm) Diameter: 6.3" (16 cm) base <b>6" Dome with base</b> Height: 6.8" (17 cm) Diameter: 6.3" (16 cm) base		
<b>MOUNTS</b>	Flat/Pipe mount or magnetic mount		
<b>CERTIFICATIONS</b>	<b>4800 Series</b> ECE65 Class 1 certified	<b>4500 Series</b> SAE J845 Class 1 certified	
<b>WARRANTY</b>	Five-year		

# 3000 Series Strobe Beacon



## 3000 Series

### Flat/Pipe Mount

#### Low Dome

Watts	Dome Colors	Order Number
10 Watts	Amber	31Ø7LCA
10 Watts	Clear	31Ø7LCC
20 Watts	Amber	32Ø7LCA
20 Watts	Clear	32Ø7LCC

#### High Dome

Watts	Dome Colors	Order Number
10 Watts	Amber	31Ø7HCA
10 Watts	Clear	31Ø7HCC
20 Watts	Amber	32Ø7HCA
20 Watts	Clear	32Ø7HCC

### Magnetic Mount

#### Low Dome

Watts	Dome Colors	Order Number
10 Watts	Amber	31Ø7LMA
10 Watts	Clear	31Ø7LMC
20 Watts	Amber	32Ø7LMA
20 Watts	Clear	32Ø7LMC

#### High Dome

Watts	Dome Colors	Order Number
10 Watts	Amber	31Ø7HMA
10 Watts	Clear	31Ø7HMC
20 Watts	Amber	32Ø7HMA
20 Watts	Clear	32Ø7HMC

### Features

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

Refer to page 78 for branch guard and dust cover accessories.

<b>INPUT VOLTAGE RANGE</b>	10-30 Vdc
<b>TECHNOLOGY</b>	Xenon Helix strobe tube
<b>CURRENT DRAW</b>	10 Watts: 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc or 20 Watts: 2 Amp @ 12 Vdc, 1 Amp @ 24 Vdc
<b>FLASH PATTERNS</b>	2 flash patterns - double or quad (user selectable)
<b>OPERATING TEMPERATURE</b>	-40° C to + 50° C
<b>DIMENSIONS</b>	
Low Dome	Height 4.75" (12 cm) Diameter 6.3" (16 cm) base
High Dome	Height 6.7" (17 cm) Diameter 6.3" (16 cm) base
<b>MOUNTS</b>	Flat/Pipe mount Magnetic mount (polycarbonate lens and black base)
<b>CERTIFICATIONS</b>	SAE J1318 Class 2 certified
<b>WARRANTY</b>	Two-year (strobe tube, one-year)

# 4800, 4500 LED and 3000 Strobe Beacon Accessories

Beacons are sold separately.



**Dust Cover**

6" Height

**E36ØDC6**



**Branch Guard**

4" Height

**PESB41BG4**

6" Height (shown)

**PESB41BG6**

# PAR36

## 500, 1000 and 1400 Lumen LED Work Lights

### Spot Lens



500 Lumen	EWLA0500DBDS0W
1000 Lumen	EWLA1000DBDS0W
1400 Lumen	EWLB1400DBDS0W

### Flood Lens



500 Lumen	EWLA500DBDF0W
1000 Lumen	EWLA1000DBDF0W
1400 Lumen	EWLB1400DBDF0W

### Trapezoid Lens

500 Lumen	EWLA500DBDT0W
1000 Lumen	EWLA1000DBDT0W
1400 Lumen	EWLB1400DBDT0W

#### Features: 500 and 1000 Lumen

- 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, reliable and bright white light source
- Low maintenance and reduced operating costs

#### Features: 1400 Lumen

- Protection against reverse polarity and load dump
- LEDs offer better energy efficiency and uses 75% less energy than sealed beams
- Visual clarity, crystal clear polycarbonate lenses with extremely bright, white LEDs illuminate the darkest of 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)

#### INPUT VOLTAGE

500 and 1000 Lumen	10-50 Vdc (worldwide use)
1400 Lumen	10-16 Vdc

#### CURRENT DRAW

500 Lumen	1.3 Amp @ 12.8 Vdc, 0.6 Amp @ 25.6 Vdc or 0.3 Amp @ 51.2 Vdc
1000 and 1400 Lumen	2 Amp @ 12.8 Vdc

#### LED COUNT

500 and 1000 Lumen	6 LEDs
1400 Lumen	9 LEDs

#### ILLUMINATION PATTERNS

Spot: 10° Flood: 40° H x 25° V Trapezoid: 40° H x 15° V

#### OPERATING TEMPERATURE

-40° C to +65° C / -40° F to +149° F

#### COLOR TEMPERATURE

5700k

#### DIMENSIONS

Height	5.7" (14 cm)
Diameter	2.8" (6.4 cm)
Width	4.5" (10 cm)

#### MOUNTS

500 and 1000 Lumen	Surface mount with U-bracket (180° of tilt forward or backward to aim the light as needed)
1400 Lumen	Surface mount with U-bracket (20" wire length)

#### CERTIFICATION

SAE DOT lens marking

#### WARRANTY

Three-year

# 500, 700 and 900 Lumen LED Work Lights

## Flood Lens



500 Lumen    EWLF0500SBDF0W  
 900 Lumen    EWLF0900SBDF0W



700 Lumen    EWLF0700DBDF0W

## 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 (refer to the 700 lumen LED oval work light)

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	
500 Lumen	1.25 Amp @ 12 Vdc, 0.63 Amp @ 24 Vdc
700 Lumen	2.25 Amp @ 12 Vdc, 1 Amp @ 24 Vdc
900 Lumen	2.25 Amp @ 12 Vdc, 1.13 Amp @ 24 Vdc
LED COUNT	
500 Lumen	5 LEDs
700 Lumen	8 LEDs
900 Lumen	9 LEDs
ILLUMINATION PATTERN	Flood pattern
OPERATING TEMPERATURE	-40° to +65° C / -40° to +149° F
COLOR TEMPERATURE	5700k
DIMENSIONS	
500 and 900 Lumen	
Height	5" (13 cm)
Width	4.3" (11 cm)
Depth	1.6" (4.1 cm)
700 Lumen	
Height	4.7" (12 cm)
Width	5.6" (14 cm)
Depth	2.5" (6.4 cm)
MOUNT	Surface mount with U-bracket (included)
CERTIFICATION	700 and 900 Lumen: ECE Reg. 10 certified
WARRANTY	500 and 900 Lumen: One-year 700 Lumen: Three-year

# Mighty Night Light

## 400 Lumen LED Spot Lights

### Forward Facing Lens



15 Degrees EAUSSMBØAWC

### Flood Lens



20 Degrees EAUSSMBØSWC



45 Degrees EAUSSMBØFWC

### Features

- High powered white LED spot lights 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

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	0.45 to 0.65 Amps @ 12.8 Vdc
LED COUNT	1 LED
ILLUMINATION PATTERNS	
Forward facing	15°
Standard flood	20°
Flood	45°
OPERATING TEMPERATURE	-40° to +65° C / -40° to +149° F
COLOR TEMPERATURE	5700k
DIMENSIONS	
Length	2.8" (7.1 cm)
Height	4.1" (1.0 cm)
Depth	1.3" (3.3 cm)
MOUNT	Surface mount on 3.5" (8.9 cm) centers

# WL4, WL5 and WL9

## 700, 900 and 1800 Lumen LED Lights

Coming Soon!

### WL4 Flood and Spot Lens



700 Lumen

### WL5 Spot Lens



900 Lumen

### WL9 Flood and Spot Lens



1800 Lumen

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	
WL4	.6 Amp @ 13.5 Vdc, .3 Amp @ 28 Vdc
WL5	.97 Amp @ 13.5 Vdc, .47 Amp @ 28 Vdc
WL9	1.5 Amps @ 13.5 Vdc, .8 Amp @ 28 Vdc
LED COUNT	
WL4	4 LEDs
WL5	5 LEDs
WL9	9 LEDs
ILLUMINATION PATTERNS	WL4 and WL9: Flood and spot patterns W5: Spot pattern
OPERATING TEMPERATURE	-40° to +65° C / -40° to +149° F
COLOR TEMPERATURE	6500k
DIMENSIONS	WL4: Height 4.1" Width 2.8" Depth 1.8" WL5: Height 5.8" Width 4.3" Depth 1.8" WL9: Height 5.5" Width 4.4" Depth 2.9"
MOUNT	One bolt with rubber mounting pad
CERTIFICATION	EMC ECE Reg. 10 certified
WARRANTY	Three-year

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