

EMERGENCY VEHICLE WARNING SYSTEMS


STARSIGNAL****
VEHICLE PRODUCTS®



POLICE • FIRE • EMERGENCY

Over 125 Years of Excellence


Welcome to our newest
StarSignal® catalog!

Take a look at the new
design layout.

**Thank you to all
of our customers
for our continued
success.**

I am proud to be the fifth generation President of a company that continues to be the largest manufacturer of red and blue lights to the police and warning light industries in the United States. With some of the new LED products you will see in this new catalog, we have only added to the innovative lighting design you are accustomed to seeing from Star.

Star also achieved the ISO 9001:2008 certification in our production facility. We are a fully functional vertically integrated company. On the back inside cover we have a picture of our dedicated employees from our 125 year anniversary which we celebrated two years ago. We are proud to have such a wonderful and hard working group of individuals dedicated to making us #1.

"Like us" on 

Of course none of this would be possible without reliable and dedicated customers such as yourself that make our progress as a company possible, and we thank you for your continued support and loyalty. As you look through our new catalog, please give us a call, and one of our dedicated customer service people will be glad to answer all of your questions. Please also don't forget to check out our website www.starheadlight.com, for the most up to date information and products that we offer.



TABLE OF CONTENTS



| | |
|---|----------------|
| LED Lightbars | 2 - 8 |
| LED Lightbar Specification Chart | 8 - 9 |
| Vehicle Specific Lightbar Mount Kits | 9 - 10 |
| LED Mini-Bars | 11 - 13 |
| Strobe Mini-Bars | 13 |
| Halogen Mini-Bars | 14 |
| Star Mini-Bar® Specification Chart | 14 |
| LED Traffic Directors | 15 - 19 |
| LED Traffic Director Specification Chart | 19 |
| Star Phantom® LED Lightbars | 20 - 23 |
| Star Phantom® Specification Chart | 23 |
| Vehicle Specific Phantom Brackets | 24 |
| LED Lights | 25 - 35 |
| Star Constellation® | 36 - 37 |
| S-Link System™ | 38 |
| LED Light Specification Chart | 39 |
| Remote Kits and Heads (LED and Strobe) | 40 - 43 |
| Remote Kits and Heads Specification Charts | 44 |
| Sirens | 45 - 51 |
| Siren Specification Chart | 51 - 52 |
| Speakers | 52 - 53 |
| BBK-FDCH | 53 |
| Speakers and BBK-FDCH Specification Chart | 53 |
| Star Alarm® Back-Up Alarms | 54 - 55 |
| Switch Panels and Switch Boxes | 56 |
| Starflash™ Flasher Modules and Heads | 57 |
| Halogen Dash Lights | 58 |
| Halogen Dash Light Specification Chart | 58 |
| Accessories | 59 - 60 |
| Strobe Tube and Bulb Guide | 60 - 61 |
| Terms and Warranty Information | 61 |
| Capabilities | 62 |
| Index | 63 - 64 |

LED LIGHTBAR

- Available with single color or Dual-Color heads
- Built-in two wire Traffic Director control (left + right + center out)
- Hardwire version comes in two cable options:
Single cable: Two power wires and 12 enable wires (default option)
Dual cables: One for power and ground connections, one containing 12 enable wires
- Priority wires P1-P5 are designed to be used with a slide switch or set of progressive switches (ex: P1 - Rear flashing slow pattern, P2 - Front and rear flashing - medium pattern, P3 - Front and rear flashing, fast pattern)
- Thermally protected
- Reverse polarity protected
- Transient protected against voltage spikes
- Over current protected
- Rugged exterior, extruded aluminum base, UV stabilized polycarbonate lenses
- Completely customizable
- Configure Outputs: Ability to select which LED heads come on with each one of the 12 inputs (ex. select between 1 and all of the heads to activate in Priority 1)

- Electrical Inputs: Ability to select the function controlled by each wire (steady - takedown, left alley, right alley, cruise, California steady, pre-emption device) (flashing - P1, P2, P3, P4, P5, left traffic, right traffic, ICL, DIM, takedown pursuit, alley flash, turn left, turn right, pattern)
- Patterns: Select in pairs up to 20 different patterns to operate simultaneously
- 37 warning patterns to choose from, 10 Traffic Director patterns
- Phase: Select the Phase for each independent head (which heads flash together or opposite one another)
- Traffic Director Cycling: Optional toggle warning pattern and the Traffic Director pattern when both are enabled
- **LBC-CAN:** Utilizes the Automotive industry standard CAN (Controller Area Network) protocol, for highly reliable communication system
- Two power wires, two optional communication wires for reduced cable size, allowing up to 20 independently controlled functions
- USB connectivity with Star Phazer™ software
- Easy set-up and cloning of settings between multiple bars using the Windows based interface
- Patent D760,104
- See pages 8 - 10 for Specifications and Vehicle Specific Mounting options



1500 - 51"

Model Numbers

| | | | |
|---------|----------|----------|---------|
| 1300 | 1421DLED | 1510LED | 1523LED |
| 1400LED | 1423LED | 1521LED | 1550 |
| 1421LED | 1500 | 1521DLED | 1600 |

13 - 37", 14- 44", 15 - 51", 155 - 58", 16 - 65"

- 1400LED** 44", Amber single color, long single (6) LED heads, short single (3) LED heads, Clear domes
- 1421LED** 44", Red/Blue single color, starburst alleys, starburst takedown pursuits, traffic director long single (6) LED heads, short single (3) LED heads, Clear dome
- 1421DLED** 44", Red/Blue dual color, scene lighting, alleys, traffic director, long single (6) LED heads, long dual color (12) LED heads, short dual color (6) LED heads, Clear domes
- 1423LED** 44", Red/Blue, traffic director, dual color alleys, takedown pursuits, intersection clearing lights, long single (6) LED heads, short single (3) LED heads, Clear domes
- 1510LED** 51", Amber Tow lightbar, starburst work lights, starburst stop/tail/turn lights, long single (6) LED heads, short single (3) LED heads, Clear domes
- 1521LED** 51", Red/Blue single color with starburst alleys, starburst takedown pursuits, traffic director, long single (6) LED heads, short single (3) LED heads, Clear domes
- 1521DLED** 51", Red/Blue dual color, scene lighting, alleys, traffic director, long single (6) LED heads, long dual color (12) LED heads, short dual color (6) LED heads, Clear dome
- 1523LED** 51", Red/Blue, traffic director, dual color alleys, takedown pursuits, intersection clearing lights, long single (6) LED heads, long dual color (12) LED heads, short single (3) LED heads, short dual color (6) LED heads, Clear domes

LED Colors



Lens Colors (Standard Clear)



Spot Optic

- 2.4" long
- S121-0-3* directional spot, 3 LED



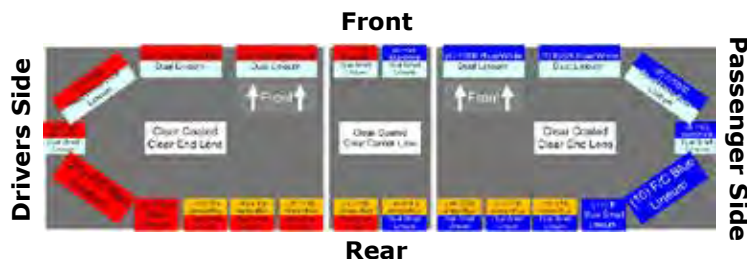
Wide Spread Lineum

- 2.4" long
- S121-9-3* wide spread Lineum, 3 LED
- S121-9-6** wide spread Lineum, 3+3 color LED



Wide Spread Lineum

- 5.75" long
- S121-9L-6* wide spread Lineum, 6 LED
- S121-9L-9* wide spread super Lineum, 9 LED
- S121-9L-12** wide spread Lineum, 6+6 Dual-Color LED
- S121-9L-18** wide spread super Lineum, 9+9 Dual-Color LED



For your custom Star Phazer™ Lightbar Design Configurator, please contact Star Headlight and Lantern Co., Inc., at 585-226-9787 or www.starheadlight.com

- Blend of innovative modular design, sculpted contours, exceptional strength, and durability
- Laser Cage Technology™ (LCT) is the most advanced, integrated componentry design
- LCT provides the ability for each module to be interchangeable with other modular heads for multiple custom configurations
- "ISO-VIBE" modular head design provides circuitry protection and is equipped with Plug-N-Play electronic connections for smooth adaption to your needs
- Rugged exterior, extruded aluminum bases, and UV stabilized polycarbonate lenses
- Fail safe operation by utilizing an independent driver circuit in each head that allows for synchronization of heads in simultaneous or alternating mode and flash pattern control
- Starburst™ LED alley light
- Standard mounting kit included
- Streamline design

- End facing modular heads contain two corner positions and one alley light position
- End position can also be color warning light
- Corner positions can be customized with any combination of modular heads
- Optional Clear alley light window available for colored end caps
- Rugged top and bottom aluminum extrusions
- Weatherproof seals and stainless steel fasteners
- Ventilation discs located on the underside of the lightbar help to reduce condensation
- Foam filter gasket reduces wind noise and air turbulence at high speeds
- Serviceability - top extrusion removes completely for easy access to modular components, front lenses stay securely in place
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



7440



High Density™ LED Head

Star Generation IV LEDs
12 or 18 LED versions available
Fully programmable
High LED count for bid spec. requirements
High efficiency linear optics
Wide angle light distribution
Achieves SAE Class I rating without use of flashing alley light



New Lineum™ LED Head

Six Star Generation IV LEDs for single color heads
Twelve Star Generation IV LEDs for Dual-Color heads
Star Lineum™ LED technology
Wide angle light distribution on front and rear modules
Primarily used for front and rear heads, also capable of Dual-Color to the front for takedown/pursuit and rear for Traffic Director
Fully programmable
SAE Class I (A, B, R, W)



Starburst™ LED Head

Eight Star Generation IV LEDs
Patent # D633,648 optical system
Narrow light distribution
Compatible with end or front facing heads
SAE Class I
Traffic Director stop/turns available
Can be programmed for takedown/pursuits

Module Colors



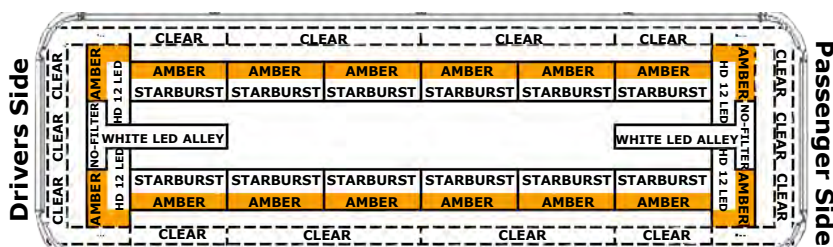
Front Lens and End Cap Colors (Standard Clear)



Internal View



Front



Rear

Base Model Numbers

7200 7340 7440 7540 7640

72 - 22", 73 - 34", 74 - 46", 75 - 52", 76 - 58"

To configure your Star Laser® (choose which heads, etc.), please contact Star Headlight and Lantern Co., Inc., at 585-226-9787 or www.starheadlight.com.

LED LIGHTBARS

- Low cost, super bright M-Tech Plus® LED technology provides a superior color warning light image
- Forward facing White scene lighting now available, giving out full front coverage for those times when you need it (TOW package scene lighting is to the rear)
- 35 customer selectable flash patterns via external wire
- Conformal coated circuitry protects against shock and vibration
- Independent enable of front and rear facing LEDs
- Extruded aluminum top and bottom
- High/low power select
- Low input voltage detection under 10V DC
- Split color and dual function
- Warning signal and scene lighting available in one package
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



7464LED - 46"

Model Numbers

7232LED 7461LED 7464LED 7565LED-TOW

7460LED 7462LED 7564LED-TOW

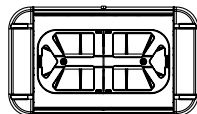
72 - 22", 74 - 46", 75 - 52", TOW - Tow package

| | |
|-------------|---|
| 7232LED | 22", (1) M-Tech Plus® head |
| 7460LED | 46", (2) M-Tech Plus® heads with scene lighting, (2) V-mirrors |
| 7461LED | 46", Police package, (2) M-Tech Plus® heads with scene lighting, (2) LED alleys, (2) front DLX6 takedown/pursuits |
| 7462LED | 46", Police package, (2) M-Tech Plus® heads, (2) LED alleys, (2) LED takedown/pursuits |
| 7464LED | 46", (2) M-Tech Plus® heads, (2) V-mirrors |
| 7564LED-TOW | 52", (2) M-Tech Plus® heads, (2) stop/tail/turn lights, (2) work lights |
| 7565LED-TOW | 52", (2) M-Tech Plus® heads with scene lighting to the rear, (2) stop/tail/turn lights, (2) work lights |

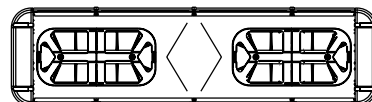
LED Colors



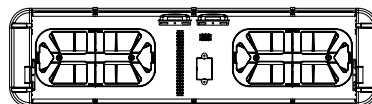
Front Lens and End Cap Colors (Standard Clear)



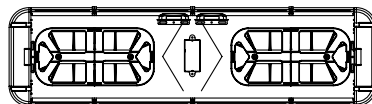
7232LED



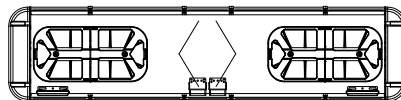
7460LED
7464LED



7461LED



7462LED



7564LED-TOW
7565LED-TOW

- Super bright Star Lineum™ LED Dual-Color technology
- Forward facing White scene lighting now available, giving you full front coverage for those times when you need it (TOW package the scene lighting is to the rear)
- Ultra low profile - only 2 3/4" high
- Five head options available:
 1. Lineum™ optics, six Star Generation IV LEDs
 2. Super Lineum™ optics, nine Star Generation IV LEDs
 3. Lineum™ optics, twelve Star Generation IV LEDs, Dual-Color
 4. DLX6, six Star Generation IV LEDs
 5. Batwing, three Star Generation IV LEDs

- Over 30 customer selectable flash patterns
- High/low power select
- Conformal coated circuitry protects against shock and vibration
- Front/Rear enable
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Rugged one piece extruded, anodized aluminum base
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



Lineum™ Head

Six Star Generation IV LEDs

Star Lineum™ technology

Wide angle light distribution

Front and rear modules

Can be used for takedown/pursuit lights

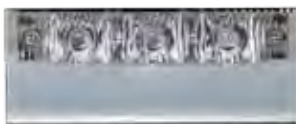


DLX6 Head

Six Star Generation IV LEDs

Narrow light distribution

Can be used for takedown/pursuit lights and stop/tail/turn lights



Batwing Head

Three Star Generation IV LEDs

Narrow light distribution

Can be used for stop/tail/turn lights and Traffic Director takedown/pursuit lights



Super Lineum™ Head

Nine Star Generation IV LEDs

Star Lineum™ technology

Wide angle light distribution good for front/rear/corners



12 Dual-Color Lineum™ Head

Twelve Star Generation IV LEDs

Dual-Color Star Lineum™ technology

Wide angle light distribution good for front/rear

Dual-Color to the front for takedown/pursuit and rear for Traffic Director, work lights

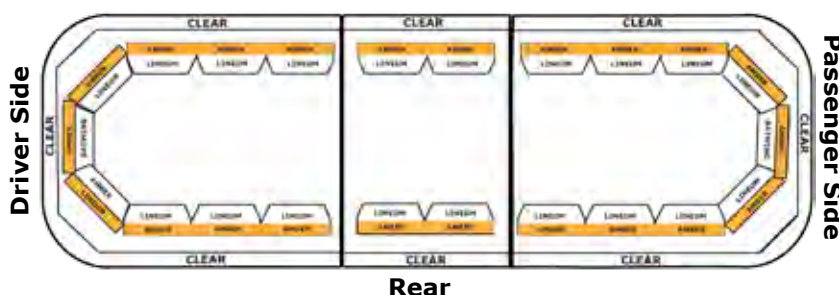


2440

Internal view



Front



LED Colors



Domes (Standard Clear)



Dual Color Available



Quad Starburst

Takedown/Flood light

Base Model Numbers

2340 2440 2540 2640

23 - 36", 24 - 46", 25 - 56", 26 - 66"

To configure your Star Razor® (choose which heads, etc.), please contact Star Headlight and Lantern Co., Inc., at 585-226-9787 or www.starheadlight.com.

LED LIGHTBARS

- Ultra low profile - only 2 3/4" high
- Super bright M-Tech Plus® high intensity LED heads designed for wider light distribution
- SAE Class I and California Title 13 approved when properly configured
- 35 customer selectable flash patterns via external wire
- Low input voltage detection under 10V DC
- High/low power select
- Independent front/rear enable

- Fluted lens over LEDs, patent # D68,255
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Rugged one piece extruded, anodized aluminum base
- Custom lightbar configurations are available
- To view all Star Razor® lightbars or request a custom lightbar design kit, please contact us at www.starheadlight.com
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



2460LED

Model Numbers

2360LED 2460LED 2461LED 2565LED-TOW

23 - 36", 24 - 46", 25 - 52", TOW - Tow package

Features

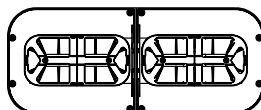
- Forward facing White scene lighting available, giving you full front coverage for those times when you need it (TOW package scene lighting is to the rear)

2360LED 36", M-Tech Plus® heads with scene lighting

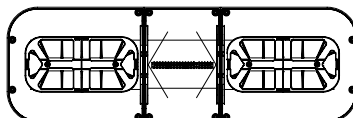
2460LED 46", M-Tech Plus® heads with scene lighting, (2) V-mirrors

2461LED 46", M-Tech Plus® heads with scene lighting, (2) front DLX6 LED takedown/pursuits, (2) LED alleys

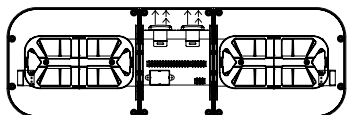
2565LED-TOW 46", M-Tech Plus® heads with scene lighting to the rear, (2) LED work lights, (2) Red Batwing stop/tail/turn lights



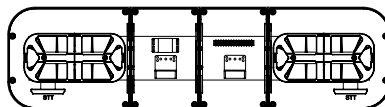
2360LED



2460LED



2461LED



2565LED-TOW

LED Colors



Dome Colors

(Standard Clear)



2463LED

Model Numbers

2364LED 2462LED 2464LED

2462LED 2463LED 2464LED-TOW

23 - 36", 24 - 46", TOW - Tow Package

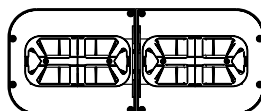
2364LED 36", M-Tech Plus® LED lightbar with (2) LED heads

2462LED 46", M-Tech Plus® LED lightbar with (2) LED heads, (2) LED takedown/pursuits, (2) LED alleys

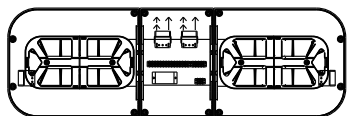
2463LED 46", M-Tech Plus®, (2) V-mirrors, (2) LED takedown/pursuits

2464LED 46", M-Tech Plus® LED lightbar with (2) LED heads, (2) V-mirrors

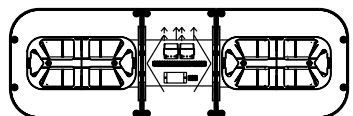
2464LED-TOW 46", (64) Amber LEDs with M-Tech reflectors, (2) work lights, (2) Red batwing stop/tail/turn lights, Clear domes



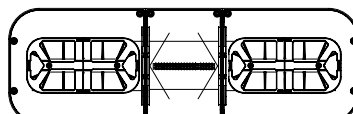
2364LED



2462LED



2463LED

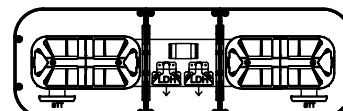


2464LED

LED Colors



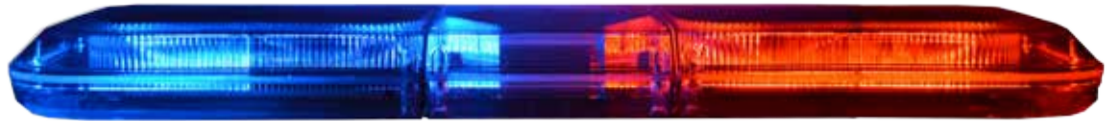
Dome Colors (Standard Clear)



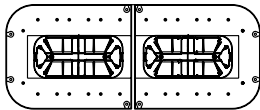
2464LED-TOW

- Dual level, full output lightbar less than 4" tall
- Super bright M-Tech Plus®, high intensity LED heads are designed for wider light distribution
- Independent enable of front and rear facing LEDs
- 35 customer selectable flash patterns via external wire
- Conformal coated circuitry protects against shock and vibration
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture

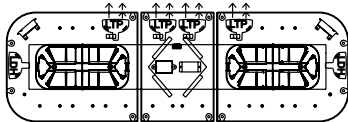
- Fluted lens over LEDs patent #D68,255
- Rugged one piece extruded, anodized aluminum base
- High/low power select
- Low input voltage detection under 10V DC
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



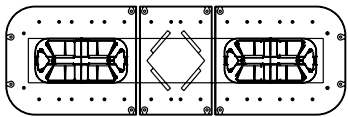
5464LED



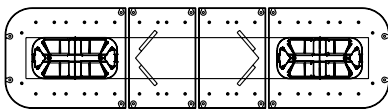
5364LED



5462LED



5464LED



5564LED

LED Colors



Domes Colors (Standard Clear)



Model Numbers

5364LED 5462LED 5464LED 5564LED

53 - 36", 54 - 46", 55 - 56"

5364LED 36", (2) M-Tech Plus® heads

5462LED 46", (2) M-Tech Plus® heads, (4) takedown/pursuits, (2) alleys, LED intersection clearing, (2) V-mirrors

5464LED 46", (2) M-Tech Plus® heads, (2) V-mirrors

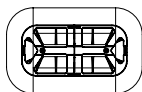
5564LED 56", (2) M-Tech Plus® heads, (2) V-mirrors

- Aerodynamic design
- Super bright, M-Tech-Plus® LED technology provides superior warning light image
- 35 customer selectable flash patterns via external wire
- Independent enable of front and rear facing LEDs
- High/low power select
- Conformal coated circuitry protects against shock and vibration

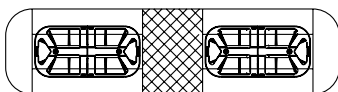
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Fluted lens over LEDs, patent # D68,255
- Rugged one piece extruded, anodized aluminum base
- Low input voltage detection under 10V DC
- See pages 8 - 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications



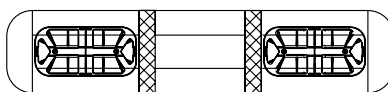
6464LED



6032LED, 6032LEDM



6464LED



6564LED

LED Colors



Dome Colors (Standard Clear)



Model Numbers

6032LED 6032LEDM 6464LED 6564LED

60 - 20", 64 - 48", 65 - 56", M - Magnet mount

6032LED 20", (2) M-Tech Plus® heads

6032LEDM 20", (2) M-Tech Plus® heads, magnet mount

6464LED 48", (2) M-Tech Plus® heads

6564LED 56", (2) M-Tech Plus® heads

LED LIGHTBARS

- Heavy duty aluminum extruded base will not warp, bend, or sag
- Impact resistant polycarbonate lens, provides you with one of the most durable aerodynamic shells in the industry
- Modular lens design makes any model easy to repair and a snap to reseal
- See pages 9 for Specifications
- See pages 9 - 10 for Vehicle Specific Mounting Specifications

STARBAR®



9404H8L

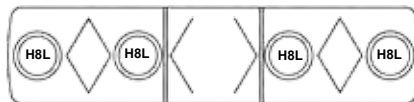
Model Numbers

9404H8L 9404HL

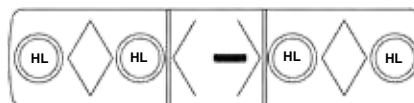
94 - 48", **H8L** - Ultra high intensity, 8 Halo LEDs, **HL** - High intensity, 4 Halo LEDs

9404H8L 48", (4) Halo eight LEDs, (2) diamond mirrors, (2) V-mirrors

9404HL 48", (4) Halo four LEDs, (2) diamond mirrors, (2) V-mirrors



9404H8L



9404HL

LED Colors



Domes

(Standard Clear)



SPECIFICATIONS

| Model # | Voltage | Typical Amp Draw | Mounting | Dimensions | Weight (lbs.) | Warranty (years) Refer to page 61 |
|---------------|---------|------------------|------------------------------|---------------------------|---------------|-----------------------------------|
| 1300 | 10-16V | amps will vary | hook-on/perm. mount | 2 1/8"H x 12"W x 37"L | will vary | 5 |
| 1500 | 10-16V | amps will vary | hook-on/perm. mount | 2 1/8"H x 12"W x 51"L | will vary | 5 |
| 1550 | 10-16V | amps will vary | hook-on/perm. mount | 2 1/8"H x 12"W x 58"L | will vary | 5 |
| 1600 | 10-16V | amps will vary | hook-on/perm. mount | 2 1/8"H x 12"W x 65"L | will vary | 5 |
| 2340 | 10-16V | amps will vary | hook-on/perm. mount | 2 3/4"H x 15"W x 36"L | will vary | 5 |
| 2440 | 10-16V | amps will vary | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | will vary | 5 |
| 2540 | 10-16V | amps will vary | hook-on/perm. mount | 2 3/4"H x 15"W x 56"L | will vary | 5 |
| 2640 | 10-16V | amps will vary | hook-on/perm. mount | 2 3/4"H x 15"W x 66"L | will vary | 5 |
| 7200 | 10-16V | amps will vary | perm./mag./vacuum mag. mount | 2 5/8"H x 12 1/4"W x 22"L | will vary | 5 |
| 7340 | 10-16V | amps will vary | perm. mount | 2 5/8"H x 12 1/4"W x 34"L | will vary | 5 |
| 7440 | 10-16V | amps will vary | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 46"L | will vary | 5 |
| 7540 | 10-16V | amps will vary | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 52"L | will vary | 5 |
| 7640 | 10-16V | amps will vary | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 58"L | will vary | 5 |
| 1400LED | 10-16V | 9.2 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 44"L | will vary | 5 |
| 1421LED-RB | 10-16V | 9.6 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 44"L | will vary | 5 |
| 1421DLED-RBCA | 10-16V | 9.1 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 44"L | will vary | 5 |
| 1423LED-RB | 10-16V | 9.4 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 44"L | will vary | 5 |
| 1510LED-AA | 10-16V | 10.6 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 51"L | will vary | 5 |
| 1521LED-RB | 10-16V | 10.7 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 51"L | will vary | 5 |
| 1521DLED-RBCA | 10-16V | 10.2 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 51"L | will vary | 5 |
| 1523LED-RB | 10-16V | 10.5 amps | hook-on/perm. mount | 2 1/8"H x 12"W x 51"L | will vary | 5 |
| 2360LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 20 | 5 |
| 2364LED | 10-16V | 7.2 amps | perm. mount | 2 3/4"H x 15"W x 36"L | 25 | 5 |
| 2460LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 25 | 5 |
| 2461LED | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 25 | 5 |
| 2462LED | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 28 | 5 |
| 2463LED | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 28 | 5 |
| 2464LED | 10-16V | 7.2 amps | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 31 | 5 |
| 2464LED-TOW | 10-16V | 13 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 46"L | 35 | 5 |
| 2565LED-TOW | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 3/4"H x 15"W x 56"L | 38 | 5 |
| 5364LED | 10-16V | 7.2 amps max | perm. mount | 4"H x 15"W x 36"L | 25 | 5 |
| 5462LED | 10-16V | 22 amps | hook-on/perm. mount | 4"H x 15"W x 46"L | 33 | 5 |
| 5464LED | 10-16V | 7.2 amps max | perm. mount | 4"H x 15"W x 46"L | 31 | 5 |
| 5564LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 4"H x 15"W x 56"L | 35 | 5 |

| Model # | Voltage | Typical Amp Draw | Mounting | Dimensions | Weight (lbs.) | Warranty (years) Refer to page 61 |
|-----------------|---------|------------------|---------------------|---------------------------|---------------|-----------------------------------|
| 6032LED | 10-16V | 3.6 amps max | hook-on/perm. mount | 5"H x 12 1/2"W x 20"L | 12 | 5 |
| 6032LEDM | 10-16V | 3.6 amps max | mag. mount | 5"H x 12 1/2"W x 20"L | 16 | 5 |
| 6464LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 5"H x 12 1/2"W x 48"L | 25 | 5 |
| 6564LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 5"H x 12 1/2"W x 56"L | 28 | 5 |
| 7232LED | 10-16V | 3.6 amps max | perm. mount | 2 5/8"H x 12 1/4"W x 22"L | 25 | 5 |
| 7460LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 46"L | 39 | 5 |
| 7461LED | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 46"L | 39 | 5 |
| 7462LED | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 46"L | 39 | 5 |
| 7464LED | 10-16V | 7.2 amps max | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 46"L | 37 | 5 |
| 7564LED-TOW | 10-16V | 9.6 amps max | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 52"L | 42 | 5 |
| 7565LED-TOW | 10-16V | amps will vary | hook-on/perm. mount | 2 5/8"H x 12 1/4"W x 52"L | 45 | 5 |
| 9404H8L, 9404HL | 10-16V | 2.8 amps max | hook-on/perm. mount | 5"H x 12 1/4"W x 48"L | 30 | 5 |

VEHICLE SPECIFIC LIGHTBAR MOUNT KITS

| Chevrolet Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|-----------------------|-------------------|----------------|--------------|------------|--------------|
| Avalanche | Wrap-around doors | 2002 | 2013 | 51" | 920-35-S105 |
| C/K Pickup 1500 | Wrap-around doors | 1999 | 2010 | 52" | 920-35-S105 |
| C/K Pickup 2500, 3500 | Wrap-around doors | 2001 | 2010 | 52" | 920-35-S105 |
| Caprice | Standard roof | 2011 | 2016 | 51" | 920-35GM7 |
| Colorado | Wrap-around doors | 2004 | 2012 | 45" | 920-35GM6 |
| Impala | Wrap-around doors | 2006 | 2013 | 46 1/2" | 920-35I6 |
| Silverado/Sierra | Wrap-around doors | 2001 | 2013 | 52" | 920-35-S105 |
| Suburban | Wrap-around doors | 2007 | 2014 | 55" | 920-35GM5 |
| Suburban | Wrap-around doors | 2015 | 2016 | 55" | 920-35GM8 |
| Tahoe | Wrap-around doors | 2007 | 2014 | 55" | 920-35GM5 |
| Tahoe | Wrap-around doors | 2015 | 2016 | 55" | 920-35GM8 |
| Trailblazer | Wrap-around doors | 2007 | 2009 | 51" | 920-35-S105 |

| Dodge Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|-------------------------------|-------------------|----------------|--------------|------------|--------------|
| Avenger | Wrap-around doors | 2008 | 2014 | | 920-35D |
| Charger | Wrap-around doors | 2005 | 2007 | 51" | 920-35M1 |
| Charger | Wrap-around doors | 2008 | 2016 | 51" | 920-35CH |
| Dakota (Reg, Ext., Crew) | Wrap-around doors | 1997 | 2011 | 48" | 920-35GM |
| Dakota | Wrap-around doors | 2006 | 2011 | 48" | 920-35F |
| Dart | Wrap-around doors | 2013 | 2015 | | 920-35D |
| Durango | Wrap-around doors | 2004 | 2016 | 48" | 920-35-S105 |
| Ram Pickup (Crew) | Wrap-around doors | 2003 | 2007 | 48" | 920-35RM5 |
| Ram Pickup (Reg.) | Wrap-around doors | 2003 | 2007 | 48" | 920-35RM2 |
| Ram Pickup (1500, 2500, 3500) | Wrap-around doors | 2008 | 2016 | 57 1/2" | 920-35RM3 |

| Ford Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|----------------|-------------------|----------------|--------------|------------|--------------|
| Crown Victoria | Wrap-around doors | 1992 | 2011 | 46" | 920-35CVLP |
| Edge | Wrap-around doors | 2011 | 2013 | | 920-35F3 |
| Escape | Wrap-around doors | 2010 | 2013 | | 920-35F3 |
| E-450 | Wrap-around doors | 2003 | 2009 | 60 1/2" | 920-35F6 |
| E-Series (Van) | Standard roof | 1987 | 2007 | 66" | 920-35 |
| Expedition | Wrap-around doors | 2003 | 2015 | 52" | 920-35FT |
| Explorer | Wrap-around doors | 2003 | 2015 | 51" | 920-35D1 |



VEHICLE SPECIFIC LIGHTBAR MOUNT KITS

| Ford Models (Continued) | Style | Beginning Year | Through Year | Roof Width | Model Number |
|-------------------------------|-------------------|----------------|--------------|------------|--------------|
| Interceptor (Explorer) | Wrap-around doors | 2012 | 2016 | 54" | 920-35F5 |
| F-Series (150) | Wrap-around doors | 2007 | 2016 | 57" | 920-35F1 |
| F-Series (250, 350, 450, 550) | Wrap-around doors | 2007 | 2016 | 58 ½" | 920-35F2 |
| F-Series (250, 350, 450) | Wrap-around doors | 2003 | 2016 | 58 ½" | 920-35F9 |
| LTD-Crown Victoria | | 1992 | 2011 | 46" | 920-35CVLP |
| Taurus Interceptor (Sedan) | Wrap-around doors | 2010 | 2016 | 48 ½" | 920-35F3 |

| GMC Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|------------|-------------------|----------------|--------------|------------|--------------|
| Canyon | Wrap-around doors | 2007 | 2011 | 45" | 920-35GM6 |
| Envoy | Wrap-around doors | 2002 | 2005 | 48" | 920-35CTB |
| Trucks | | 1995 | 2000 | | 920-35-S105 |

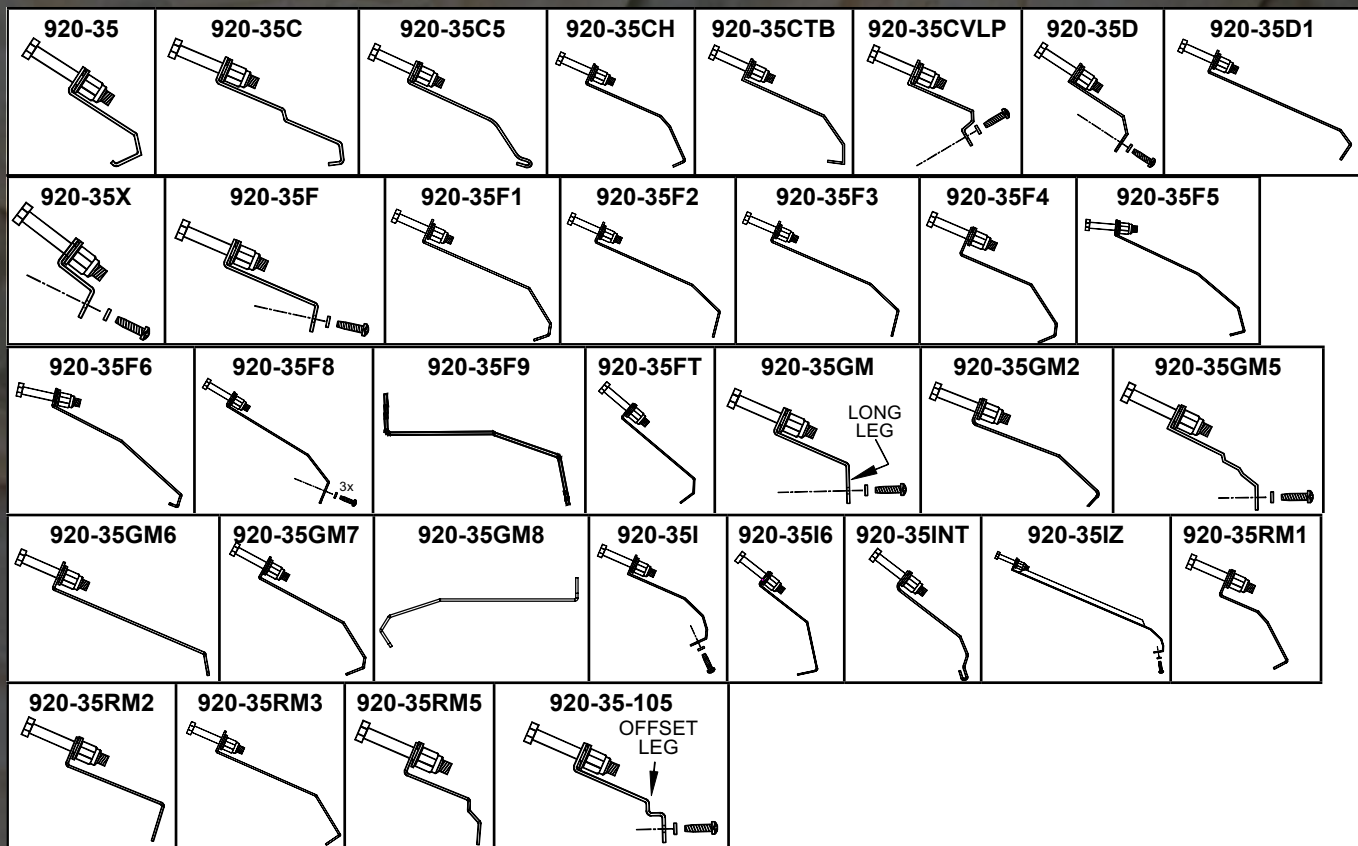
| Isuzu Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|------------------------|-------|----------------|--------------|------------|--------------|
| Delivery Truck Chassis | | 2000 | 2004 | | 920-35IZ |

| Jeep Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|----------------|------------------|----------------|--------------|------------|--------------|
| Cherokee | Standard roof | 1990 | 1994 | 53 ½" | 920-35 |
| Cherokee | Standard roof | 1995 | 2001 | 51 ½" | 920-35 |
| Grand Cherokee | Wrap-around door | 1999 | 2004 | 48" | 920-35GM |
| Liberty | Wrap-around Door | 2002 | 2004 | 46" | 920-35GM |

| Chrysler Model | Style | Beginning Year | Through Year | Roof Width | Model Number |
|----------------|-------------------|----------------|--------------|------------|--------------|
| PT Cruiser | Wrap-around doors | 2001 | 2005 | 44" | 920-35GM |

| Pontiac Model | Style | Beginning Year | Through Year | Roof Width | Model Number |
|---------------|-------|----------------|--------------|------------|--------------|
| Grand Prix | | 1994 | | | 920-35GM |

| Toyota Models | Style | Beginning Year | Through Year | Roof Width | Model Number |
|---------------|-------------------|----------------|--------------|------------|--------------|
| Tundra | | 2004 | 2013 | | 920-35F |
| Hilux | Wrap-around doors | 2010 | 2016 | | 920-35F |
| Tacoma | Wrap-around doors | 2010 | 2016 | | 920-35F |



- Star Lineum™ LED technology
- Star Omega™ provides all the advantages of an LED warning light, with a bigger light image for bigger trucks
- Single color - seventy-two Star Generation IV high power LEDs
- Dual-Color - one hundred forty-four Star Generation IV high power LEDs
- 9018DLED - Dual-Color available, "go from Amber to Blue with a flip of a switch"
- Single color - 35 customer selectable flash patterns via pattern select wire

- Dual-Color - 37 customer selectable flash patterns via pattern select wire
- Conformal coated circuitry protects against shock and vibration
- Durable polycarbonate domes are fully gasketed between the rugged one piece, extruded, anodized aluminum base to protect against moisture
- Permanent model available only
- See page 14 or Specifications and Approvals

Dome Colors



LED Colors



Dual Color Dome



Configuration Options

| | |
|---------|---------|
| Phase 1 | Phase 2 |
| Phase 1 | Phase 2 |

9018LED

Left/Right

Colors are not independently enabled

| | |
|---------|---------|
| Phase 1 | Phase 1 |
| Phase 2 | Phase 2 |

9018TBLED

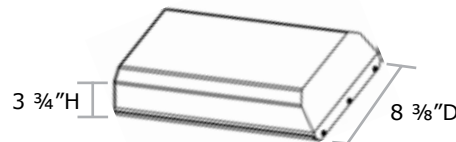
Top/Bottom

Colors are not independently enabled

| | | | |
|------|-----|------|-----|
| Blue | Red | Blue | Red |
| Blue | Red | Blue | Red |

9018DLED

Dual-Color, independently enabled



Replacement Parts (* = color)

| | |
|-------------|-----------|
| Dome | 910-316-* |
| Dome gasket | 30047-64 |



9018LED

Model Numbers

9018LED 9018DLED 9018TBLED

D - Dual-Color, TB - Top/bottom

| Star Lineum™ | Star Generation IV LEDs per head | Star Generation IV LEDs per head | Total Star Generation IV LEDs per bar |
|------------------|----------------------------------|----------------------------------|---------------------------------------|
| | Front and Back Modules | Side Modules | |
| Standard | 6 | 6 | 72 |
| Super | 9 | 9 | 108 |
| Dual-Color | 12 | 12 | 144 |
| Super Dual-Color | 18 | 12 | 192 |

Voltage: 10-16V DC

Amp Draw: 8 amps (average), 16 amps (max)

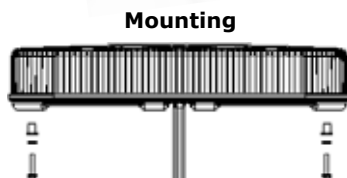
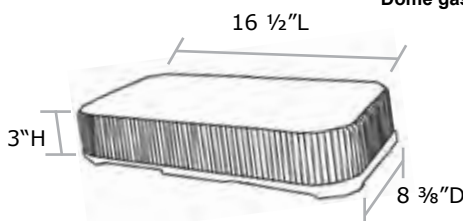
- Star Contour® is extremely low profile, made to "contour fit" to the roof of your vehicle
- Super bright M-Tech Plus® LED technology
- Provides a superior warning light image
- Injection molded polycarbonate base is combined with two rubber coated vacuum magnets to "custom mount to your vehicle" (vacuum magnet model)

- Permanent mount - 20 customer selectable flash patterns via external pattern select wire, S-Link System™ synchronizing capabilities with other Star LED units
- Magnet and Vacuum magnet mount - 20 customer selectable flash patterns, 12" cig. plug with lighted on/off and pattern select switch
- See page 14 for Specifications and Approvals

Dome Colors



LED Colors



Replacement Parts (* = color)

| | |
|---------------------|-------------|
| Dome | 910-3-* |
| Cig. plug | 920-PAT18HI |
| Magnet mount kit | 910-177K |
| Vacuum magnet mount | 920-19V |
| Dome gasket | 30047-145 |



9100LED-B



9100LEDV-W

Model Numbers

9100LED 9100LEDM 9100LEDV

M - Magnet mount, V - Vacuum magnet mount

Voltage: permanent - 10-30V DC, magnet - 10-16V DC

Amp Draw: 2.3 amps (max)



LED MINI-BARS

- M-Tech Plus® LED technology that provides a superior 360° warning light image
- 20 customer selectable flash patterns
- S-Link System™ synchronizing capabilities with other Star LED units
- Now available with optional scene lighting
- Conformal coated circuitry protects against shock and vibration

- Durable polycarbonate domes are fully gasketed between the rugged one piece, extruded, anodized base to protect against moisture
- Magnet mounts include vinyl pads to avoid scratching surfaces
- See page 14 for Specifications and Approvals

9016LED



9016LED-C



9016LEDV-RR

Model Numbers

9016LED 9016LEDM 9016LEDV 9016SLED

M - Magnet mount, **S** - Scene Lighting, **V** - Vacuum magnet mount

Voltage: permanent - 10-30V DC, magnet - 10-16V DC

Amp Draw: (Amber or Red) 2 amps (max), (Blue, White, Green, Blue, Blue/White) 3.6 amps (max), (Amber/White, Amber/Green, Red/Blue) 2.8 amps (max)

Replacement Parts (* = color)

| | |
|-------------------------|-------------|
| Dome | 910-316-* |
| Cig. plug | 920-PAT18HI |
| Magnet mount kit | 910-177K |
| Mounting gasket | 920-17-16 |
| Vacuum magnet mount kit | 920-16V-BK |
| Dome gasket | 30047-64 |

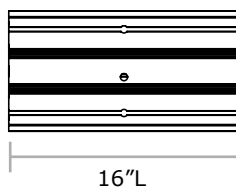
Dome Colors



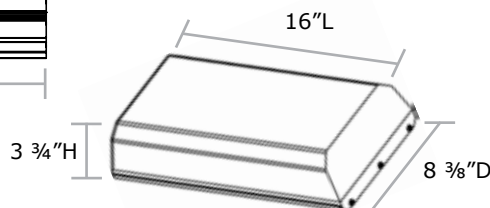
LED Colors



Base



16"L



- Star Lineum™ LED technology
- Single color, seventy-two Star Generation IV high power LEDs
- Dual-Color, one hundred forty-four Star Generation IV high power LEDs
- 7100DLED - Dual-Color available "go from Amber to Blue with a flip of a switch"
- Single color - 35 customer selectable flash patterns via pattern select wire

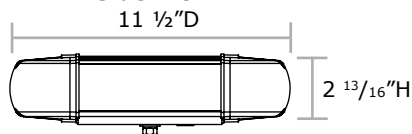
- Dual-Color - 37 customer selectable flash patterns via pattern select wire
- Conformal coated circuitry protects against shock and vibration
- Available in permanent mount only
- Durable polycarbonate, injection molded domes are fully gasketed to protect against moisture
- Extruded aluminum top and bottom
- See page 14 for Specifications and Approvals

7100LED



7100LED

Side View



11 1/2"D

2 13/16"H

Model Numbers

7100LED 7100DLED 7100LED-TB

D - Dual-Color, **TB** - Top/bottom

Voltage: 10-16V DC

Amp Draw: 8 amps (average), 16 amps (max)

Replacement Parts (* = color)

| | |
|------------------|-----------|
| End dome | 720-23-* |
| Short side dome | 720-21S-* |
| End dome gasket | 30047-101 |
| Extrusion gasket | 30047-104 |
| End cap screws | 30054-8 |

Dome Colors



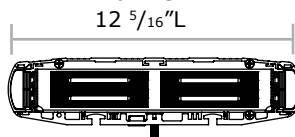
LED Colors



Dual Color Dome

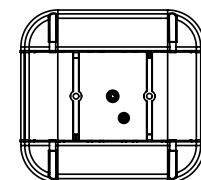


End View



12 5/16"L

Base



Configuration Options

| | | | | | | | |
|---------|---------|---------|---------|------|-----|------|-----|
| Phase 1 | Phase 2 | Phase 1 | Phase 1 | Blue | Red | Blue | Red |
| Phase 1 | Phase 2 | Phase 2 | Phase 2 | Blue | Red | Blue | Red |

7100LED
Left/Right
Colors are not
independently
enabled

7100LED-TB
Top/Bottom
Colors are not
independently
enabled

7100DLED
Dual-Color

LED MINI-BARS

- Star Halo® LED technology is patented (#5,662,702)
- The ultra high intensity LED lights exceed the latest J845 and California Title 13 standards
- 13 customer selectable flash patterns, including steady-on and a rotating pattern
- S-Link System™ synchronizing capabilities with other Star LED units
- Circuitry is fully encapsulated for increased weather and shock resistance
- Fully gasketed between the durable polycarbonate dome and base

- Two internal V-mirrors, enhance flashes
- Magnet mounts include vinyl pads to avoid scratching surfaces
- Permanent mount - selectable flash patterns via external pattern select wire, 24" leads
- Magnet and Vacuum magnet mount - selectable flash patterns via switch on cig. plug and separate on/off switch
- Extremely low current draw
- See page 14 for Specifications and Approvals

Dome Colors

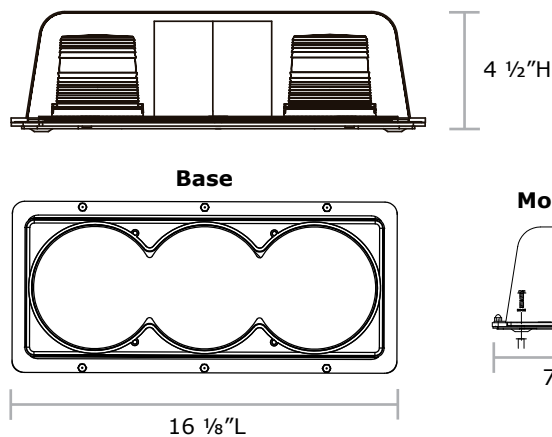


Inner Lens Colors



Replacement Parts (* = color)

| | |
|--------------------|-------------|
| Outer dome | 920-3-* |
| Inner Fresnel lens | 333-* |
| V-mirrors | 820-29 |
| Cig. plug | 920-PAT20LO |
| Magnet (one) | 920-16 |
| Magnet kit (four) | 920-16-4K |
| Vacuum magnet | 920-14V |



9200HL



9200HLV



Model Numbers

| | | |
|----------|----------|---------|
| 9200H8L | 9200H8LV | 9200HLM |
| 9200H8LM | 9200HL | 9200HLV |

HL - High intensity, H8 - Ultra high intensity, M - Magnet mount, V - Vacuum magnet mount

Voltage: permanent mount - 10-30V DC,
magnet mount - 10-16V DC
Amp Draw: 1.2 amps @ 12V DC, 0.6 amps @ 24V DC

9200HL

STROBE MINI-BARS

- Double flash/quad flash selectable, via internal jumper
- Flash rate - double - 128 sequences per minute, quad - 84 sequences per minute
- Replaceable epoxy encapsulated circuit, strobe tubes
- Industrial grade virgin polycarbonate lens

- Gasket between lens and base
- Durable polycarbonate base
- Two internal V-mirrors
- Field repairable - Less down time
- See page 14 for Specifications and Approvals

Dome Colors

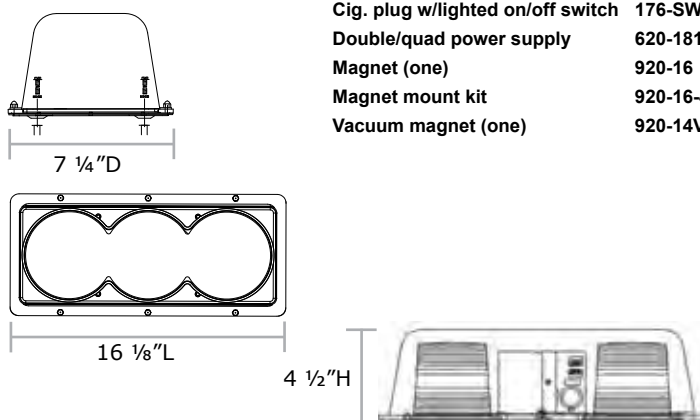


Inner Lens Colors



Replacement Parts (* = color)

| | |
|-----------------------------------|-------------|
| Outer dome | 920-3-* |
| Inner Fresnel lens | 333-* |
| Strobe tube assembly | ST3901-7 |
| V-mirror | 820-29 |
| Cig. plug w/lighted on/off switch | 176-SW |
| Double/quad power supply | 620-181-SBP |
| Magnet (one) | 920-16 |
| Magnet mount kit | 920-16-4K |
| Vacuum magnet (one) | 920-14V |



9200S



9200SV



Model Numbers

| | | |
|-------|--------|--------|
| 9200S | 9200SM | 9200SV |
|-------|--------|--------|

M - Magnet mount, V - Vacuum magnet mount

Voltage: 12-24V DC
Amp Draw: 2 amps @ 12V DC

9200S



HALOGEN MINI-BARS

- Durable polycarbonate lens
- Gasket between lens and base, ABS plastic base
- Patented shock mounted rotators with two sealed roller bearings provide quiet, smooth operation and ensure long rotator and bulb life (bearing mechanism - maintenance free)
- 50 watt halogen bulb (795 type), long life with lock in/stay in feature

- Sturdy and lightweight - will not corrode!
- No belts to replace or spindle hubs to grease
- Field repairable
- Standard rotator - 80 fpm (flashes per minute), (+/- 10) per rotator
- High speed rotator - 160 fpm (flashes per minute), (+/- 10) per rotator
- See below for Specifications and Approvals

9200H



Model Numbers

9200H 9200HM 9200HV

M - Magnet mount, V - Vacuum magnet mount

Voltage: 12V DC (24V DC available)
Amp Draw: 8 amps @ 12V DC

Replacement Parts (* = color)

| | |
|-------------------------------------|-----------|
| Outer dome | 920-3-* |
| Color filter for rotator | 920-100-* |
| Halogen bulb | 2073-795X |
| Standard rotator assembly w/motor | 920-0 |
| High speed rotator assembly w/motor | 920-0F |
| Rotator motor | 920-5 |
| Wall mirror | 920-30-3 |
| Cig. plug | 920-10 |
| Magnet (one) | 920-16 |
| Magnet mount kit | 920-16-4K |
| Vacuum magnet (one) | 920-14V |

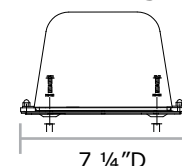
Dome Colors



Filter Colors



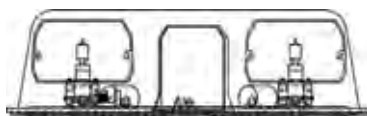
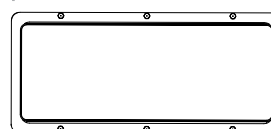
Mounting



Base

16 1/8" L

Incandescent version is available, please see website
www.starheadlight.com



SPECIFICATIONS

| Model # | Voltage | Amp Draw (A - Amber, B - Blue, R - Red, W - White) | Weight (lbs.) (v - vacuum magnet) | Warranty (years) Refer to page 61 | Approvals (* = does not apply to all flash patterns) (A - Amber, B - Blue, R - Red, C - Clear, W - White) |
|--------------------------------------|------------------------------|--|---|---|---|
| 7100LED, 7100DLED, 7100LED-TB | 10-16V DC | 16 amps max | 7 | 5 | N/A |
| 9016LED | 10-30V | 2 amps max (A, R), 3.6 amps max (B, W, G, BW), 2.8 amps max (AW, AG, RB) | 7 | 5 | SAE J845 Class I (A, B, R, W)*, California Title 13 available upon request* |
| 9016LEDM, 9016LEDV | 10-16V DC | 2 amps max (A, R), 3.6 amps max (B, W, G, BW), 2.8 amps max (AW, AG, RB) | magnet - 9, v - 10 | 5 | SAE J845 Class I (A, B, R, W)*, California Title 13 available upon request* |
| 9016SLED | 10-30V DC | 2 amps max (A, R), 3.6 amps max (B, W, G) | 7 | 5 | SAE J845 Class I (A, B, R, W)* |
| 9018LED, 9018TBLED, 9018DLED | 10-16V DC | 16 amps max | 8 | 5 | N/A |
| 9100LED | 10-30V DC | 2.3 amps max | 4 | 5 | SAE J845 Class I (A, W, B)*, California Title 13 available upon request* |
| 9100LEDM, 9100LEDV | 10-16V DC | 2.3 amps max | magnet - 5, v - 6 | 5 | SAE J845 Class I (A, W, B)*, California Title 13 available upon request* |
| 9200H | 12V DC (available in 24V DC) | 8 amps @ 12V DC | 4 | 1 | SAE J845 Class I (A, B, R, C)* |
| 9200H8L, 9200HL | 10-30V DC | 1.2 amps @ 12V DC, 0.6 amps @ 24V DC | 5 | 5 | SAE J845 Class I, California Title 13* (8 - ultra high intensity LEDs) |
| 9200H8LM, 9200HLM, 9200H8LV, 9200HLV | 10-16V DC | 1.2 amps @ 12V DC, 0.6 amps @ 24V DC | magnet - 6, v - 7 | 5 | SAE Class I, California Title 13* (8 - ultra high intensity LEDs) |
| 9200HM, 9200HV | 12V DC (available in 24V DC) | 8 amps @ 12V DC | magnet - 5, v - 6 | 1 | SAE J845 Class I (A, B, R, C)* |
| 9200S | 12-24V DC | 2 amps @ 12V DC | 4 | 1 | SAE J845 Class II (A)* |
| 9200SM, 9200SV | 12-24V DC | 2 amps @ 12V DC | magnet - 5, v - 6 | 1 | SAE J845 Class II (A)* |

LED TRAFFIC DIRECTORS

- Lineum X™ optics
- Ninety-six mid power LEDs (eight modules)
- Meets Class I on their own and as a system when properly configured
- Extremely weather resistant
- Polycarbonate face

- Control unit is micro-processor controlled with tactile front
- Heavy duty anodized black aluminum extruded housing will not warp, bend, or corrode
- Mounting option features offer the best in the industry
- See page 19 for Specifications and Approvals

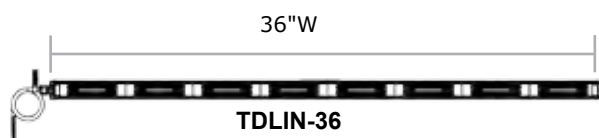
Lens Color



Add On

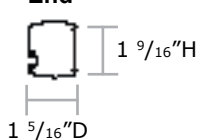
Multi-feature controller

TDC-3



TD77-2
1 1/2"H
6"W
4 1/2"D

End



Model Numbers

TDLIN-36-15 **TDLIN-47-30** **TDLIN24-47-30**
TDLIN-36-30 **TDLIN-47-45**
TDLIN-47-15 **TDLIN-47-60**

15 - 15' of cable, **24** - 24V DC, **30** - 30' of cable, **36** - 36" stick, **45** - 45' of cable, **47** - 47" stick, **60** - 60' of cable

Cable Lengths: 15', 30', 45', 60'

Voltage: 12V or 24V DC

Amp Draw: 12V - 2.1 amps (max), 1.1 amps (average),
24V - 1.0 amps (max), 0.5 amps (average)

- Designed to give you mobile, on-site traffic directing capabilities
- Traffic Director with eight LED heads
- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Steer traffic away from dangerous situations and roadway hazards
- Micro-processor control unit offers four modes with distinctive flash options

- Polycarbonate face shield that allows for easy cleaning
- Ships complete with back lit control unit, attached wire harness (15' standard), mounting brackets, hardware, and instructions
- Use them on location for road construction, accident, or roadside repairs
- See page 19 for Specifications and Approvals

LED Color



Replacement Parts

TD93 LED stick only

TD93-1

Control unit

TD77-2

TD93 L-bracket mount kit

274-LLBK

Add On

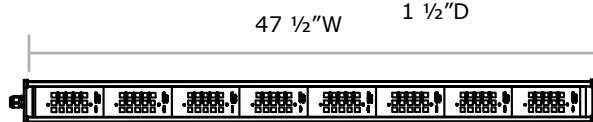
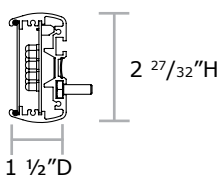
Multi-feature controller

TDC-3



TD77-2
1 1/2"H
6"W
4 1/2"D

End



TD93-47

TD93

Model Numbers

TD93-36-15 **TD93-47-15** **TD93-47-45**
TD93-36-30 **TD93-47-30** **TD93-47-60**

15 - 15' of cable, **30** - 30' of cable, **36** - 36" stick, **45** - 45' of cable, **47** - 47" stick, **60** - 60' of cable

Cable Lengths: 15', 30', 45', 60'

Voltage: 10-16V DC

Amp Draw: 2.1 amps (max)

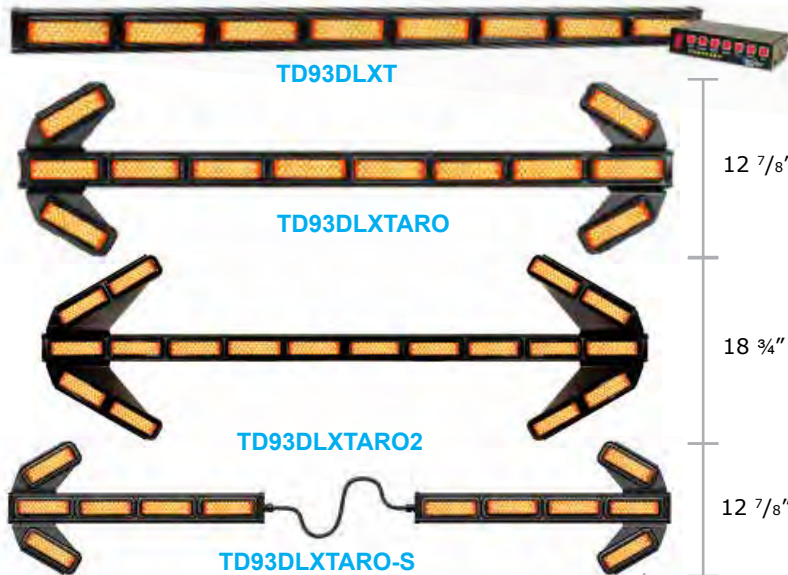


LED TRAFFIC DIRECTORS

- Designed to give you mobile, on-site traffic directing capabilities
- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Steer traffic away from dangerous situations and roadway hazards

- Micro-processor control unit offers four modes with distinctive flash options
- Use them on location for road construction, accident, or roadside repairs
- See page 19 for Specifications and Approvals

TD93DLXT



LED Colors



Replacement Parts (* = color)

| | |
|------------------------------|---------------|
| TD93DLXT LED stick only | TD93DLXT-1 |
| Control unit | TD77-2 |
| TD93DLXT L-bracket mount kit | 274-LLBK |
| TD93DLXT replacement head | TD93-DLXTRH-* |

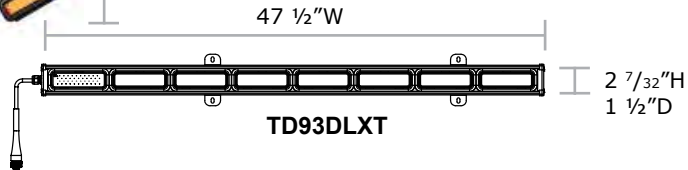
Add On

| | |
|--------------------------|-------|
| Multi-feature controller | TDC-3 |
|--------------------------|-------|



TD77-2

1 1/2"H
6"W
4 1/2"D



TD93DLXT

Model Numbers

TD93DLXT TD93DLXTARO TD93DLXTARO2-S
TD93DLXT24 TD93DLXTARO2 TD93DLXTARO-S

24 - 24V, 93 - 2 7/32"H, ARO - Arrow ends with four LED heads, ARO2 - Eight head arrow Traffic Director, DLXT - DLXT heads, S - Split Traffic Director

Features

- "Front load" for easy replacement of individual heads
- Ships complete with back lit control unit, attached quick-disconnect wire harness (15' standard), L-brackets, hardware, and instructions
- Modes: left arrow, right arrow, center out, and warn (alternating)
- **TD93DLXT** - Traffic Director with eight LED heads

Cable Lengths: SWH-271-ARO-* (* = 15', 30', 45', 60')

TD93DLXT - 48" only

ARO end Stick Lengths: 48", 60", 72", 84", 96"

Voltage: 10-16V DC (available 24V DC, TD93DLXT only)

Amp Draw: TD93DLXT - 2.7 amps (max), TD93DLXTARO, TD93DLXTARO-S - 4.1 amps (max), TD93DLXTARO2 - 5.4 amps (max)

TDDL15



TDDL15-47

Model Numbers

TDDL15-36 TDDL15-42TA TDDL15-47CV
TDDL15-42 TDDL15-47

36 - 36", 42 - 42", 47 - 47", CV - Crown Victoria, TA - Tahoe Traffic Director

Features

- Twenty-four high intensity Star Generation IV LEDs (8 arrays, 3 LEDs per array)
- Polycarbonate face shield allows for easy cleaning
- Specific models are available with mounting brackets designed for Chevy Tahoe (TDDL15-42TA with a standard 22' wire harness on passenger side), Ford Crown Victoria (TDDL15-47CV with a standard quick-disconnect 15' wire harness)
- Ships complete with back lit control unit, attached quick disconnect wire harness, mounting brackets, hardware, and instructions

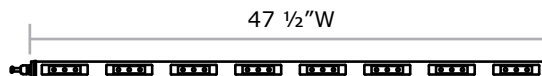
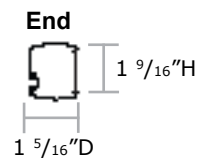
Replacement Parts

| | |
|-------------------------------|------------|
| Control unit | TD77-2 |
| TDDL15-42TA bracket mount kit | TD92-7KTA |
| TDDL15-47 bracket mount kit | 274-LLBK |
| TDDL15-47CV bracket mount kit | DL15-BKTCV |

Add On

| | |
|--------------------------|-------|
| Multi-feature controller | TDC-3 |
|--------------------------|-------|

Lens Color



TDDL15-47

Voltage: 10-16V DC

Amp Draw: 3.0 amps (max)

Cable Lengths: 15', 22', 30', 45', 60'



TD77-2

1 1/2"H
6"W
4 1/2"D

LED TRAFFIC DIRECTORS

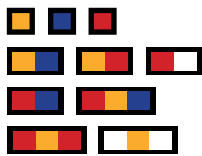
- Designed to give you mobile, on-site traffic directing capabilities
- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Direct traffic away from dangerous situations and roadway hazards
- Warning LED light and LED Traffic Director all-in-one
- 28" length and low profile (only 1 9/16" tall)
- Thirty high intensity Star Generation III LEDs
- Warning mode has 30 customer selectable flash patterns
- Traffic Director with three Traffic Director modes each having 6 custom flash patterns
- Rotationally adjustable, this unit can be utilized in a variety of applications
- Current limit protection over entire operating voltage range and reverse polarity protection gives you worry free operation

- Offered in a variety of colors and color combinations
- Can be used primarily as a Traffic Director
- An optional Traffic Director switch (SP1515-TDC) or back lit control box (TD77-DL15-30) is available
- Ships complete with 15', six conductor cable, three sets of mounting legs, hardware, and instructions
- Micro-processor control unit offers four modes with distinctive flash options
- Use them on location for road construction, accident, or roadside repairs
- See page 19 for Specifications and Approvals



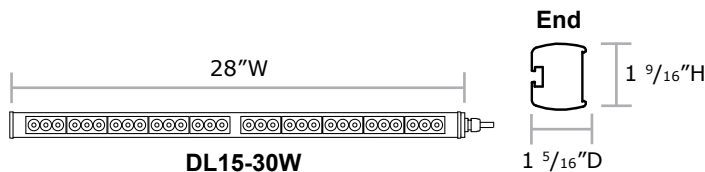
DL15-30W-ARB

LED Colors



Replacement Parts

| | |
|---|--------------|
| Deck mount kit | DL15-SMTK |
| Optional Traffic Director control panel | SP1515-TDC |
| Control box (with LED feedback) | TD77-DL15-30 |
| Medium legs | P30150-82 |
| Short legs | P30150-92 |
| Tall legs | P30150-93 |
| Add On | |
| Multi-feature controller | TDC-3 |



Model Numbers

DL15-30W

W - Weatherproof

Customer selectable Traffic Director modes:
3 modes: left arrow, right arrow, center out
6 patterns for each arrow

| | |
|--|--|
| Traveling arrow | Non-traveling arrow |
| Traveling arrow with double flashing end module | Non-traveling arrow with double flashing end module |
| Traveling arrow with continuous flashing end modules (hazard lights) | Non-traveling arrow with continuous flashing end modules (hazard lights) |

Does not apply to all flash patterns

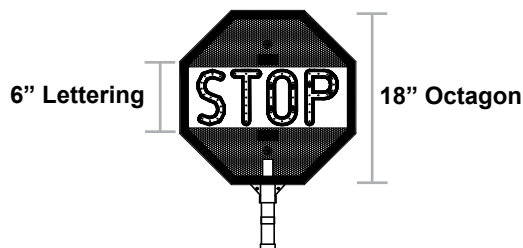
Voltage: 10-16V DC
Amp Draw: 3.0 amps (max)

Cable Length: 15'

- Signs put traffic control right at your fingertips
- Light sequences bring attention quickly to any situation
- Automatic activation control means you can provide quick response to any need

- Sign turns on when lifted upright
- Sign turns off when lowered
- Operates on three "C" cells (not included)

| Part Number | Description |
|-------------|--|
| TCS-1 | Slow/Stop traffic control sign (113 LEDs) |
| TCS-1REF | Slow/Stop traffic control sign with M.U.T.C.D. approved reflective tape (113 LEDs) |
| TCS-2 | Stop/Stop traffic control sign (104 LEDs) |
| TCS-2REF | Stop/Stop traffic control sign with M.U.T.C.D. approved reflective tape (104 LEDs) |
| TCS-6 | 6' extension pole (not shown) |



Model Numbers

TCS-1 **TCS-2** **TCS-6**

TCS-1REF **TCS-2REF**

1 - Slow, 2 - Stop, 6 - 6' extension pole, REF - Reflective tape

Approvals for TCS-1REF and TCS-2REF

M.U.T.C.D. Code (Manual on Uniform Traffic Control Devices)



LED TRAFFIC DIRECTORS

- Interior mount LED Traffic Directors are perfect for undercover or unmarked vehicle applications
- Durable polycarbonate, will not warp or bend
- Extremely thin profile, they easily mount in the rear window
- ULB42-TD offers two hundred-seventy Star Generation I LEDs
- ULB44-TD offers thirty high intensity Star Generation IV LEDs
- Micro processor control unit with tactile switching gives you 4 distinctive pattern modes with three "option" buttons (fast, dim, alt)

- Four outboard LED sections (two at each end) allow different color combinations for warning patterns while using the six inner Amber LED sections for traffic directing
- 15' cable length comes standard
- Ships complete with back lit control unit, attached wire harness, mounting brackets, hardware, and instructions
- Modes: left arrow, right arrow, center out, and warn (alternating)
- See page 19 for Specifications and Approvals



Model Numbers

ULB42-TD ULB42-TD-1 ULB44-TD ULB44-TD-1
 1 - Traffic Director stick only, **42-TD** - Traffic Director (Star Generation I LEDs) with control box, **44-TD** - Traffic Director (Star Generation IV LEDs) with control box

Replacement Parts

Control unit ULB42-TD-2
 Mounting bracket kit 274-ULB42-BKT

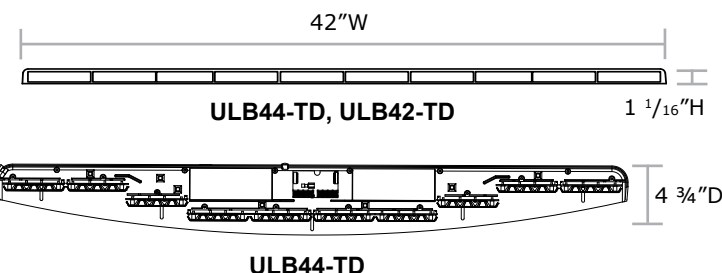
Add On

Multi-feature controller TDC-3

LED Colors for outboard LED flasher sections



Voltage: 10-16V DC
Amp Draw: 3.1 amps (average), 6.3 amps (max)



STAR PHANTOM® LINEUM X™ LED TRAFFIC DIRECTOR

- The New Lineum X™ technology offers a Dual-Color interior undercover bar
- One hundred-twenty high intensity Star Generation IV LEDs
- Options to flash outer LEDs with 6 or 8 heads of Traffic Director
- 9 Traffic Director patterns
- Mounts in both rear or front windows
- 12', eight conductor wire harness

- 31 customer selectable flash patterns, 5 phases, and 13 head enable settings
- User programmable head enable
- User programmable phase
- Clone settings between units
- Programmable cycling between warning and Traffic Director patterns
- Inputs: left, left + right = center out, right, level 1, level 2, Amber level 1, dim/pattern
- See page 19 for Specifications and Approvals



Replacement Parts for ULB48-TD

Mounting bracket kit for front/rear 274-ULB42BKT
 Impala rear mount kit 274-ULB42-3
 Chevy Silverado front mount kit 274-ULB42-4
 Chevy Caprice rear mount kit 274-ULB42-5
 Baffle S30147-89

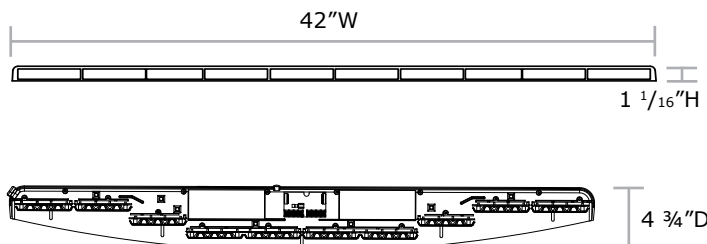
LED Colors



Model Numbers

ULB48-TD
 TD - Traffic Director

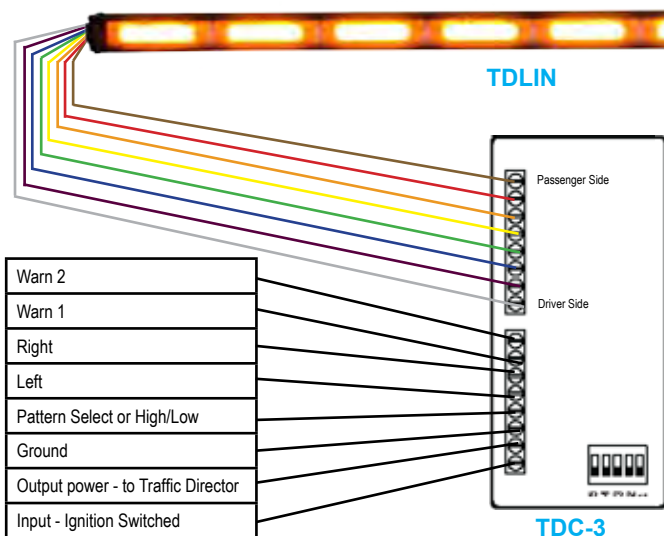
Voltage: 10-16V DC
Amp Draw: ULB48 - 6.5 amps (average), 13 amps (max)



TRAFFIC DIRECTOR MULTI-FEATURE CONTROLLER

- Allows the user to save space in the console by operating the traffic director either with a light control siren or with switches
- Compatible with most popular light control sirens in the industry

- 30 selectable warning flash patterns, 5 phases, 13 enable head settings



TDC-3

Model Numbers

TDC-3

3 - Eight output flasher, **TDC** - Traffic Director control

Voltage: 10-16V DC

Amp Draw: 2.5 amps (max) per output

| Model # | Voltage | Amp Draw | Built In Flasher | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals * = does not apply to all flash patterns |
|------------------------|-------------|--------------------------------|------------------|---------------|--------------------------------------|---|
| DL15-30W, DL15-30W-ARB | 10-16V DC | 3.0 amps max | yes | 3 | 5 | SAE J595, California Title 13 (Red/Blue for both) |
| TCS-1, TCS-2 | N/A | N/A | yes | 2 | 5 | no |
| TCS-1REF, TCS-2REF | N/A | N/A | yes | 2 | 5 | M.U.T.C.D. |
| TD93-36 | 10-16V DC | 2.1 amps max | no | 10 | 5 | no |
| TD93-47 | 10-16V DC | 2.1 amps max | no | 10 | 5 | no |
| TD93DLXT | 10-16V DC | 2.7 amps max | no | 10 | 5 | no |
| TD93DLXT24 | 20-30V DC | 2.7 amps max | no | 10 | 5 | no |
| TD93DLXTARO | 10-16V DC | 4.1 amps max | no | 15 | 5 | no |
| TD93DLXTARO2 | 10-16V DC | 7.8 amps max | no | 19 | 5 | no |
| TD93DLXTARO2-S | 10-16V DC | 7.8 amps max | no | 19 | 5 | no |
| TD93DLXTARO-S | 10-16V DC | 4.1 amps max | no | 17 | 5 | no |
| TDDL15-36-15 | 10-16V DC | 3.0 amps max | no | 6 | 5 | SAE J595 Class I, California Title 13* |
| TDDL15-42, TDDL15-42TA | 10-16V DC | 3.0 amps max | no | 8 | 5 | SAE J595 Class I, California Title 13* |
| TDDL15-47, TDDL15-47CV | 10-16V DC | 3.0 amps max | no | 6 | 5 | SAE J595 Class I, California Title 13* |
| TDLIN-36-15 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 6 | 5 | SAE J595, Class I |
| TDLIN-36-30 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 8 | 5 | SAE J595, Class I |
| TDLIN-47-15 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 8 | 5 | SAE J595, Class I |
| TDLIN-47-30 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 10 | 5 | SAE J595, Class I |
| TDLIN-47-45 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 12 | 5 | SAE J595, Class I |
| TDLIN-47-60 | 10-16V DC | 1.1 amps average, 2.1 amps max | no | 14 | 5 | SAE J595, Class I |
| TDLIN24-47-30 | 20 - 30V DC | 0.5 amps average, 1.0 amps max | no | 10 | 5 | no |
| ULB42-TD, ULB42-TD-1 | 10-16V DC | 3.1 amps average, 6.3 amps max | no | 4 | 5 | no |
| ULB44-TD, ULB44-TD-1 | 10-16V DC | 3.1 amps average, 6.3 amps max | no | 4 | 5 | no |
| ULB48-TD | 10-16V DC | 6.5 amps average, 13 amps max | yes | 4 | 5 | no |

TDC-3

SPECIFICATIONS



STAR PHANTOM® LED LIGHTBARS

- Phantom™ series easily mounts under the center visor clips above the rear view mirror in 15-20 minutes
- Adjustable baffle is also included to eliminate "flash back" from the window
- Interior mount LED lightbar is perfect for undercover or unmarked vehicles
- Extremely thin profile
- 35 customer selectable flash patterns via a push button switch and a 30 second Superburst™ all LED steady burn mode
- Two angled LED sections provide intersection clearing
- Red "night vision" preserving map light
- See page 23 for Specifications and Approvals
- See page 24 for Vehicle Specific brackets

ULB42



ULB42-RW



ULB42-DLP

Model Numbers

ULB42 **ULB42-1** **ULB42-DLP**

1 - Wire harness (rear window mount), **DLP** - Directional LED takedown/pursuit lights

Features

- ULB42 has two hundred-seventy Star Generation I LEDs
- ULB42-DLP has two hundred-sixteen Star Generation I LEDs and six high intensity Star Generation IV LEDs for DLPs
- ULB42 comes with on/off lighted cig. plug
- DLP models gives you independently controlled takedown lights

Amp draw varies depending on color of LED and the flash pattern selected

Voltage: 10-16V DC

Amp Draw: ULB42 - 2.36 amps (average), 5.4 amps (max),
ULB42-DLP - 3.0 amps (average), 6.0 amps (max)

Replacement Parts for ULB42

Cig. plug for ULB42

920-10

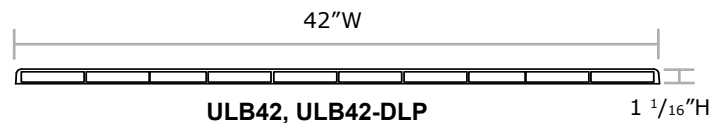
Mounting bracket kit for front/rear

274-ULB42BKT

Baffle

S30147-89

LED Colors



ULB10, ULB21



ULB21-RR



ULB10-BB

Model Numbers

ULB10 **ULB21**

10 - Half Phantom™, 21 - Split Phantom™

Features

- Specifically designed to mount in the front windshield visor area
- ULB21 straddles the overhead console
- ULB10 mounts on the passenger side
- ULB21 has two hundred-sixteen long life Star Generation I LEDs
- ULB10 has one hundred-eight long life Star Generation I LEDs

Amp draw varies depending on color of LED and the flash pattern selected

Voltage: 10-16V DC

Amp Draw: ULB21 - 2.4 amps (average) 4.7 amps (max),
ULB10 - 1.2 amps (average) 2.4 amps (max)

Replacement Parts for ULB21

Cig. plug

920-10

Mounting bracket kit for front/rear

274-ULB42BKT

Baffle (requires one of each per unit)

S30147-151L

S30147-151R

LED Colors



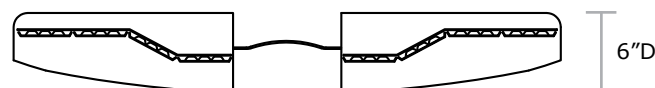
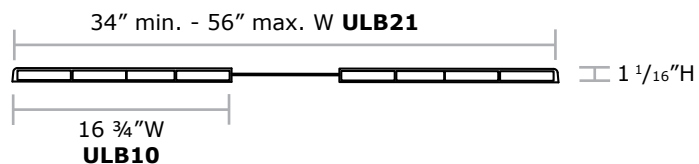
Replacement Parts for ULB10

Cig. plug

176-SW

Baffle (requires one per unit)

30147-151P



STAR PHANTOM® LED LIGHTBARS

- Interior mount LED lightbar is perfect for undercover or unmarked vehicles
- Extremely thin profile
- 35 customer selectable flash patterns via a push button switch and a 30 second Superburst™ all LED steady burn mode
- Easily mounts under the center visor clips above the rear view mirror in 15-20 minutes

- Adjustable baffle is also included to eliminate "flash back" from the window
- See page 23 for Specifications and Approvals
- See page 24 for Vehicle Specific brackets



ULB44-BB

LED Colors



Replacement Parts for ULB44

| | |
|--|------------------------------|
| Cig. plug | 920-10 |
| Mounting bracket kit for front/rear | 274-ULB42BKT |
| Baffle for ULB44 | S30147-89 |
| Baffle for ULB44-2 (requires two per unit) | S30147-89-1L S30147-89-1R |

Model Numbers

ULB44 **ULB44-2** **ULB44-CA**
ULB44-1 **ULB44-3** **ULB44-DLP**

1 - Rear window mount, **2** - Impala front window, **3** - Impala rear window, **CA** - California version, **DLP** - Directional LED takedown/pursuit lights

Features

- Thirty long life Star Generation IV LEDs
- Two angled LED sections for intersection clearing
- Red "night vision" preserving map light
- ULB44-CA - has one Red steady burn module for California Title 13

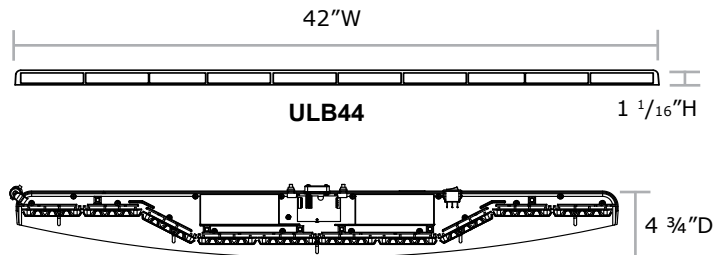
Approvals Does not apply to all flash patterns

SAE J595 (available) California Title 13 (available)

Voltage: 10-16V DC

Amp Draw: 3.1 amps (average), 6.25 amps (max)

Amp draw varies depending on color of LED and the flash pattern selected



ULB24-RB

ULB14-BW

LED Colors



Replacement Parts for ULB24

| | |
|-----------------------------------|----------------------------|
| Cig. plug w/lighted on/off switch | 920-10 |
| Baffle (requires two per unit) | S30147-151L S30147-151R |

Replacement Parts for ULB14

| | |
|-----------------------------------|------------|
| Cig. plug w/lighted on/off switch | 176-SW |
| Baffle (requires one per unit) | 30147-151P |

Model Numbers

ULB14 **ULB24-CA**
ULB24 **ULB24-DLP**

14 - Half Phantom™, **24** - Split Phantom™, **CA** - California version, **DLP** - Directional LED takedown/pursuit lights

Features

- ULB24 straddles the overhead console
- ULB14 mounts on the passenger side
- ULB24 has twenty-four long life, Star Generation IV LEDs
- ULB14 has twelve long life, Star Generation IV LEDs
- ULB24-CA - has one Red steady burn module for California Title 13

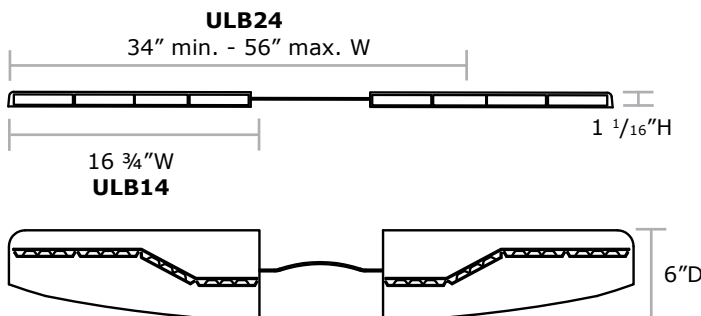
Approvals Does not apply to all flash patterns

SAE J595 (available) California Title 13 (available)

Voltage: 10-16V DC

Amp Draw: ULB24 - 2.5 amps (average) 5.0 amps (max),
 ULB14 - 1.3 amps (average) 2.5 amps (max)

Amp draw varies depending on color of LED and the flash pattern selected



ULB44

ULB14, ULB24

21

STAR PHANTOM® LINEUM X™

- The New Lineum X™ technology offers a Dual-Color interior undercover bar
- Extremely thin profile
- 31 customer selectable flash patterns, 5 phases (ex. AAAA BBBB vs. ABAB BABA), and 13 head enables: select which heads come on with which enable (Select from up to ten takedown heads)

- Interior applications only
- Low power dimming feature
- Inputs: White flashing, level 1, level 2, takedown, California steady Red, burst/dim/pattern
- See page 23 for Specifications and Approvals
- See page 24 for Vehicle Specific brackets

ULB18, ULB28



ULB28-RR-BB

Blue

ULB18-BW

White

LED Colors for ULB18



LED Colors for ULB28



Model Numbers

ULB18 ULB28

18 - Half Phantom™, 28 - Split Phantom™

Features

- ULB18 has forty-eight high intensity Star Generation IV LEDs
- ULB28 has ninety-six high intensity Star Generation IV LEDs
- All White forward facing takedown/pursuit lights
- Designed to mount in front windshield straddling overhead console
- Limited to, no drilling required with vehicle specific visor brackets
- Installs in 10 to 15 minutes
- 12', eight conductor wire harness

Voltage: 10-16V DC

Amp Draw: ULB18 - 2.5 amps (average) 5.0 amps (max)

ULB28 - 5.25 amps (average) 10.5 amps (max)

Replacement Parts for ULB18

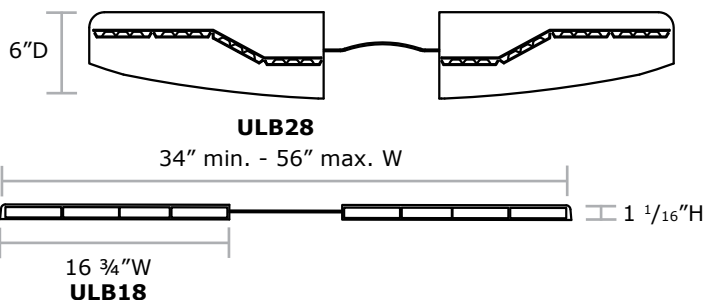
Bent end baffle (requires one per unit) S30147-151-2R

Gasket P30047-169-18

Replacement Part for ULB28

Bent end baffle left S30147-151-2L

Bent end baffle right S30147-151-2R



ULB28-CH, ULB28-FIS, FISUV



ULB28-FIS

LED Colors



Model Numbers

ULB28-CH ULB28-FIS ULB28-FISUV

28 - Split Phantom™, CH - 2015 - 2016 Dodge Charger, FIS - 2012 - 2016 Ford Interceptor Sedan, FISUV - 2012 - 2016 Ford Interceptor SUV

Features

- Each model conforms right to both window and headliner
- Quick and easy installation, connects under visor clips

Voltage: 10-16V DC

Amp Draw: ULB28 - 5.25 amps (average) 10.5 amps (max)

Replacement Parts for ULB28-CH

Gasket P30047-173-16

Driver side Dodge Charger bracket P30150-431DP

Passenger side Dodge Charger bracket P30150-431PP

Replacement Parts for ULB28-FIS, FISUV

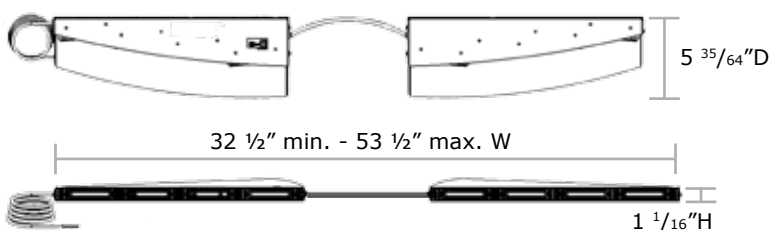
Gasket P30047-173-16

Driver side Ford int sedan bracket P30150-420DP

Passenger side Ford int sedan bracket P30150-420PP

Driver side Ford int SUV bracket P30150-424DP

Passenger side Ford int SUV bracket P30150-424PP

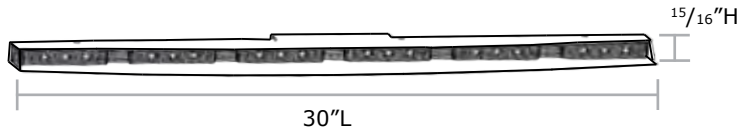


REAR WINDOW LIGHTS

- Perfect for undercover or unmarked vehicle applications
- Interior applications only

- Housing designed to fit to the curve of the vehicle
- See below for Specifications and Approvals

LED Colors



5 1/2"D - FISUV
4 13/32"D - TA

Model Numbers

ULB34-1-FISUV **ULB34-1-TA**
1 - Hardwire, **FISUV** - Ford SUV, **TA** - Tahoe

Features

- Six-head, eighteen high intensity, Star Generation IV LEDs
- 35 customer selectable flash patterns
- Hardwire, 15' length

Voltage: 10-16V DC

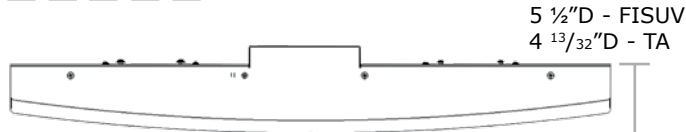
Amp Draw: 1.86 amps (average), 3.75 amps (max)



Traffic Director Color 1



LED Color 2



Voltage: 10-16V DC

Amp Draw: 3.9 amps (average), 7.8 amps (max)

Model Numbers

ULB38-TD-FISUV **ULB38-TD-TA**
FISUV - Ford SUV, **TA** - Tahoe

Features

- Lineum X™ optics
- Six-head, seventy-two high intensity, Star Generation IV LEDs
- Dual-Color Traffic Director/warning light in one
- 31 customer selectable warning flash patterns, 5 phases, and 13 head enable settings
- 9 Traffic Director patterns
- Low power dimming feature
- 12', 8 conductor wire harness
- Clone: duplicate settings for a fleet from 1 unit
- Inputs: left (Note: left + right = center out) right, flash color 1, level 1 pattern - color 2 LEDs, level 2 pattern - color 2 LEDs, pattern/dim wire

| Model # | Voltage | Amp Draw | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals * = does not apply to all flash patterns |
|---|-----------|----------------------------------|---------------|--------------------------------------|---|
| ULB10 | 10-16V DC | 1.2 amps average, 2.4 amps max | 1.5 | 5 | N/A |
| ULB14 | 10-16V DC | 1.3 amps average, 2.5 amps max | 1.5 | 5 | SAE J595*, California Title 13* |
| ULB18, ULB18-FIS, ULB18-FISUV | 10-16V DC | 2.5 average, 5.0 amps max | 1.5 | 5 | SAE J595*, California Title 13* |
| ULB21 | 10-16V DC | 2.4 amps average, 4.7 amps max | 2.8 | 5 | N/A |
| ULB24, ULB24-CA, ULB24-DLP | 10-16V DC | 2.5 amps average, 5.0 amps max | 2.8 | 5 | SAE J595*, California Title 13* |
| ULB28, ULB28-CH, ULB28-FIS, ULB28-FISUV | 10-16V DC | 5.2 amps average, 10.5 amps max | 2.8 | 5 | SAE J595*, California Title 13* |
| ULB34-1-FISUV, ULB34-1-TA | 10-16V DC | 1.86 amps average, 3.75 amps max | 3 | 5 | SAE J595*, California Title 13* |
| ULB38-1-FISUV, ULB34-1-TA | 10-16V DC | 3.9 amps average, 7.8 amps max | 4 | 5 | SAE J595*, California Title 13* |
| ULB42 | 10-16V DC | 2.36 amps average, 5.4 amps max | 2.8 | 5 | California Title 13* |
| ULB42-1 | 10-16V DC | 2.4 average, 5.4 amps max | 3 | 5 | California Title 13* |
| ULB42-DLP | 10-16V DC | 2.4 average, 5.4 amps max | 2.8 | 5 | California Title 13* |
| ULB44, ULB44-1, ULB44-2, ULB44-3, ULB44-CA, ULB44-DLP | 10-16V DC | 3.1 amps average, 6.25 amps max | 3 | 5 | SAE J595*, California Title 13* |

ULB34-1

ULB38-TD

SPECIFICATIONS



VEHICLE SPECIFIC PHANTOM BRACKETS

CHEVROLET

| Model | Years | Half Phantom™ Bracket Model Number (ULB10, ULB14) | Full Split Phantom™ Bracket Model Number (ULB21, ULB24) | Full Phantom™ Bracket Model Number Front (ULB42, ULB44) | Full Phantom™ Bracket Model Number Rear ULB42, ULB44 |
|-----------|-------------|---|---|---|--|
| Caprice | 2011 - 2016 | 274-ULB10-CP | 274-ULB21-CP | X | X |
| Impala | 2006 - 2013 | 274-ULB10-IM | 274-ULB21-IM | 274-ULB42-2 | 274-ULB42-3 |
| Tahoe | 2007 - 2016 | 274-ULB10-TA | 274-ULB21-TA | X | X |
| Suburban | 2007 - 2016 | 274-ULB10-TA | 274-ULB21-TA | X | X |
| Silverado | 2008 - 2011 | X | X | 274-ULB42-4 | X |
| Universal | X | 274-ULB10-U | 274-ULB21-U | X | X |

DODGE

| Model | Years | Half Phantom™ Bracket Model Number ULB10, ULB14 | Full Split Phantom™ Bracket Model Number ULB21, ULB24 | Model Number Misc. Bracket Mounts | Models Used | Model Number Misc. Bracket Mounts |
|-----------|-------------|---|---|--------------------------------------|----------------|--------------------------------------|
| Charger | 2006 - 2010 | 274-ULB10-CH | 274-ULB21-CH | X | X | X |
| Charger | 2011 - 2016 | 274-ULB10-CH11 | 274-ULB21-CH11 | Headliner 274-ULB9CH | ULB9 | X |
| Durango | 2010 - 2016 | 274-ULB10-DU | 274-ULB21-DU | X | X | X |
| Magnum | 2005 - 2008 | 274-ULB10-CH | 274-ULB21-CH | X | X | X |
| Ram | 2009 - 2016 | 274-ULB10-RM | 274-ULB21-RM | Rear Hanger BB274-DLX4-6-RHK | X | Rear Window BB274-DLX4-6-SLP |
| Universal | X | 274-ULB10-U | 274-ULB21-U | X | X | X |

FORD

| Model | Years | Half Phantom™ Bracket Model Number ULB10, ULB14 | Full Split Phantom™ Bracket Model Number ULB21, ULB24 | Model Number Misc. Bracket Mounts | Models Used |
|-------------------|-------------|---|---|--------------------------------------|----------------|
| Crown Victoria | 2006 - 2011 | 274-ULB10-CV | 274-ULB21-CV | Rear Deck 274-RDCV | TDDL15 |
| Explorer | 2006 - 2016 | 274-ULB21-EX | 274-ULB21-EX | X | X |
| Expedition | 2007 - 2013 | 274-ULB21-EX | 274-ULB21-EX | X | X |
| F-150 | 2004 - 2014 | 274-ULB10-EX | 274-ULB21-EX | X | X |
| F-150 | 2015 - 2016 | 274-ULB10-F1 | 274-ULB21-F1 | | |
| Interceptor Sedan | 2012 - 2016 | 274-ULB10-INT | 274-ULB21-INT | X | X |
| Interceptor SUV | 2012 - 2016 | 274-ULB10-EX | 274-ULB21-EX | License Plate S30150-371 | DLXT |
| Universal | X | 274-ULB10-U | 274-ULB21-U1 | X | X |

GMC

| Model | Years | Half Phantom™ Bracket Model Number ULB10, ULB14 | Full Split Phantom™ Bracket Model Number ULB21, ULB24 |
|-----------|-------------|---|---|
| Yukon | 2007 - 2016 | 274-ULB10-TA | 274-ULB21-TA |
| Universal | X | X | X |

MINI PHANTOM LED LIGHTS

- Flat front design hugs window for minimal flashback; great for side and rear vertical windows
- Adhesive mount hood included for front windshield mounting
- 25 customer selectable flash patterns, including steady-on
- Ratchet clip mounts allow for angle adjustability

- Perfect for undercover or unmarked vehicles
- Extremely lightweight!
- For interior applications only
- Extremely thin profile
- See page 39 for Specifications and Approvals

LED Colors

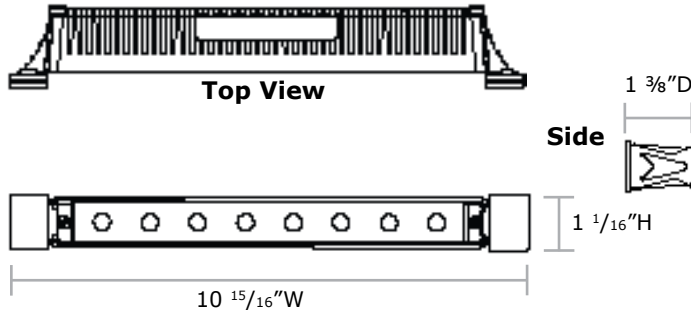


Split LED Colors



Replacement Parts

| | |
|--|-------------|
| Cig. plug (lighted on/off switch w/pattern select) | 920-PAT20LO |
| Hood | ULB9-HOOD |
| Hood kit with adhesive window mount | ULB9-HOOD-1 |



Mounting kit - sold separately **274-ULB9BKT**



Deck mount



274-ULB9MMC
Mirror mount



(2) **DL15-CUP**
Suction cup mount



ULB9E-RB

Model Numbers

ULB9E ULB9E-1

1 - Hardwire

Features

- Eight mid power LEDs
- ULB9E - equipped with on/off switch and pattern select on cig. plug
- ULB9E-1 - equipped with 12' cable, synchronizable

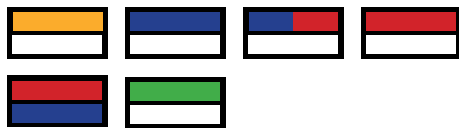
Windshield mount

ULB9-HOOD-1
Included



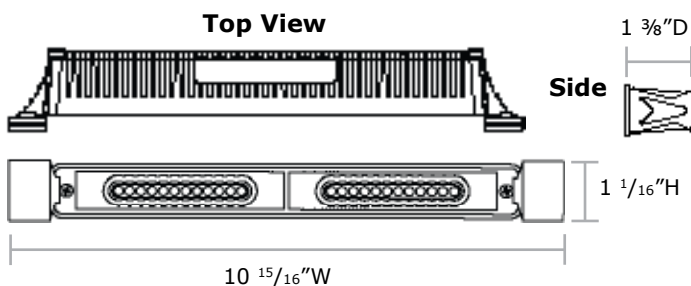
Voltage: 10-16V DC
Amp Draw: 0.4 - 0.8 amps (max)

LED Colors



Replacement Parts

| | |
|---|---------------|
| Cig. plug (dual power switch) | 920-2PWR20-17 |
| Optional hood for deck, mirror, or suction mounts | ULB9-HOOD |
| Hood kit w/adhesive window mount | ULB9-HOOD-1 |



Mounting kit - sold separately **274-ULB9BKT**



Deck mount



274-ULB9MMC
Mirror mount



(2) **DL15-CUP**
Suction cup mount



Dual-Color

Red

White

ULB9LDC-RRWW

Model Numbers

ULB9LDC ULB9LDC-1

1 - Hardwire

Features

- Lineum X™ technology offers an all Dual-Function mini interior light
- 24 mid power LEDs
- White takedown/pursuits capabilities
- ULB9LDC - equipped with two button on/off switch cig. plug, pattern button on front of light
- ULB9LDC-1 - equipped with 12' cable, synchronizable

Windshield mount

ULB9-HOOD-1
Included



Voltage: 10-16V DC
Amp Draw: 0.5 - 0.7 amps (average), 0.9 amps (max)

ULB9E

ULB9LDC

MINI PHANTOM LED LIGHTS

- Six Star Generation IV Starburst™ LEDs
- 35 customer selectable flash patterns for ULB9S
- 24 customer selectable flash patterns for ULB9S-1
- Flat front design hugs window for minimal flashback
- Extremely thin profile
- Interior mount, LED light is perfect for undercover or unmarked vehicle applications
- Ratchet clip mounts allow for maximum angle adjustability

- Hardwire version (ULB9S-1) is available for S-Link System™ synchronizing capabilities with other Star LED units
- Rear and front, two head kits are also available (RLKULB9S-1, FLKULB9S), offers 24 customer selectable flash patterns
- Easily mounts to front, rear, or side windows, optional dash, deck, mirror, or windows (with suction cups) available
- See page 39 for Specifications and Approvals

ULB9S



ULB9S

LED Colors



Split color combinations available, please call to confirm availability.

Windshield mount
ULB9-HOOD-1
Included



Model Numbers

ULB9S ULB9S-1 FLKULB9S-1 RLKULB9S-1
1 - Hardwire, FLK - Two head front kit, RLK - Two head rear kit

Approvals

| | |
|--------------------------|--------------------------|
| SAE J595, Class I | California Title 13 |
| When properly configured | When properly configured |

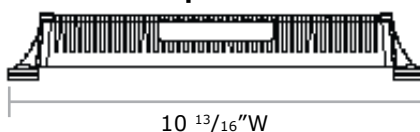
Amp draw will vary depending on the color of the LED and the flash pattern selected

Voltage: 10-16V DC
Amp Draw: 1.4 amps (average)

Replacement Parts

| | |
|--|-------------|
| Suction cup (one) | DL15-CUP |
| Complete universal mount kit | 274-ULB9BKT |
| Cig. plug (lighted on/off switch w/pattern select) | 920-PAT20LO |
| Hood | ULB9-HOOD |
| Hood kit w/adhesive window mount | ULB9-HOOD-1 |
| Adhesive mount kit w/extra wire hole (for FLK) | ULB9-HOOD-2 |

Top View

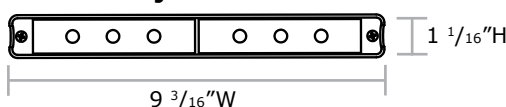


Side

1 3/8" D



Without adjustable ratchets



Mounting kit - sold separately 274-ULB9BKT



Deck mount



274-ULB9MMC
Mirror mount



(2) DL15-CUP
Suction cup mount

MICROSTAR™

- Ultra low profile
- Six super bright Star Generation V LEDs
- S-Link System™ synchronizing capabilities with other Star LED units
- Robust design

- Rugged die-cast base
- Standard four wire hook up (power, ground, pattern, sync.)
- Endless mounting possibilities
- See page 39 for Specifications and Approvals



DLITE



DLITS

MicroStar™

Model Numbers

DLITE DLITS
E - Wide spread, S - Spot - narrow beam

Voltage: 10-30V DC
Amp Draw: 0.75 amps (average)

LED Colors

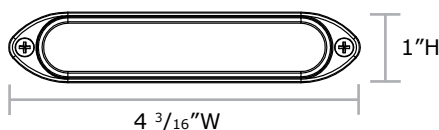


Split LED Colors

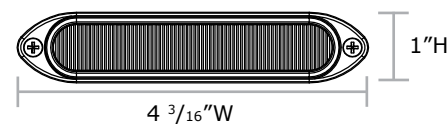


25/64" D

DLITS



DLITE



Optional Brackets



274-DLIT-U



274-DLIT-RL

DLIT

- High intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one DLX3 light)
- S-Link System™ synchronizing capabilities with other Star LED units
- Versatile LED warning lights that are built with fully encapsulated circuitry
- For use in both interior or exterior applications

- Size is the same between options, allowing for easy relocation or reconfiguration
- Includes a snap on Black (standard), Chrome, or White bezel
- Optional mounting brackets are also available
- Reverse polarity protected and current limit protection over the entire operating voltage
- See page 39 for Specifications and Approvals

DLX3 LED Colors



DLX4, DLX6, and DLX6F LED Colors



DLX4, DLX6, and DLX6F LED Split Colors

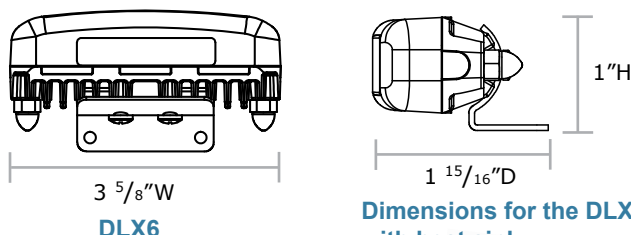


Replacement Parts

| | |
|------------------------------------|------------|
| Black bezel | 30019-150B |
| Chrome bezel | 30019-150P |
| White bezel | 30019-150W |
| Hardware kit for DLX3, DLX4, DLX6F | S30017-38 |
| Hardware kit for DLX6 | S30017-39 |
| Snap in medium spread optic | 136-4 |
| Snap in wide spread optic | 136-6 |



Dimensions are the same for DLX3, DLX4, and DLX6F



Dimensions for the DLX6 with heat sink

Mounting



Approvals: DLX3

| | |
|-------------------|------------------|
| SAE J595 Class II | SAE J595 Class I |
| Amber, White | Blue, Red |

Approvals: DLX3H-A

| | |
|------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Amber | Amber |

Approvals: DLX4

| | |
|-------------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Amber, White, Blue, Red | Blue, Red |

Approvals: DLX6, DLX6F

| |
|--|
| SAE J595 Class I |
| Amber, Amber/Blue, Amber/Red, Amber/White, Blue, Blue/White, Red/Blue, Red, Red/White, White |
| California Title 13 |
| Amber, Amber/Blue, Amber/Red, Blue, Red/Blue, Red |



DLX3



DLX4



DLX6 and DLX6F

Model Numbers

| | | | |
|---------|-------|-------|-------|
| DLX3 | DLX4 | DLX6 | DLX6F |
| DLX3H-A | DLX4C | DLX6C | |

3 - Three LEDs, 4 - Four LEDs, 6 - Six LEDs, C - Chrome bezel, F - Flush mount, H - High power LED Amber only

Features

- DLX3, DLX4, DLX6F - designed for flush mount or bracket mount
- DLX6 - incorporates a heavy duty heat sink, includes hood mount kit, bracket mounting only

Amp draw will vary depending on the color of the LEDs and the flash pattern selected

Voltage: DLX3 10-16V DC, DLX4, DLX6, and DLX6F - 10-30V DC

Amp Draw: DLX3 .29 amps, DLX4 0.7 amps @ 12V DC, 0.3 @ 24V DC, DLX6 and DLX6F 0.9 amps @ 12V DC, 0.5 amps @ 24V

LED LIGHTS

- High intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on (13 customer selectable flash patterns with cig. plug)
- S-Link System™ synchronizing capabilities with other Star LED units
- Versatile LED warning lights that are built with fully encapsulated circuitry

- Comes with a flashback hood and includes a cig. plug or 12' wire harness
- Reverse polarity protected and current limiting protection over the entire operating voltage
- See page 39 for Specifications and Approvals



DLX4-HK-RR



DLX4-HK2-BB



DLX6-HK-BB



DLX6-HK2-BB

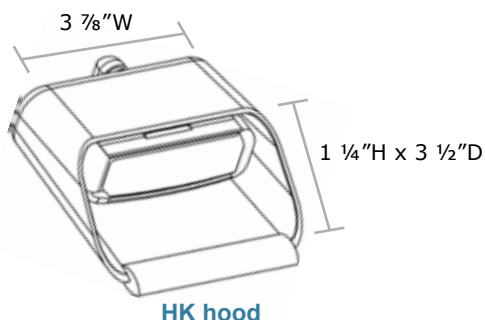
Replacement Parts

| | |
|------------------------------|---------------|
| Black bezel | 30019-150B |
| Chrome bezel | 30019-150P |
| Cig. plug | 920-PAT20LO |
| Single hood | P30019-234 |
| Double hood | P30019-235 |
| Mounting kit for double hood | 274-ULB9BKT |
| Single hood mounting kit | 274-DLX4-6-HK |

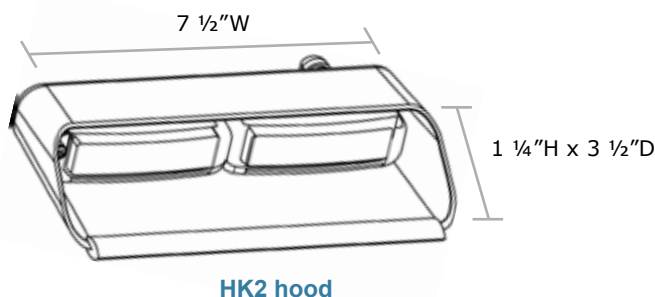
LED Single Colors



LED Split Colors



HK hood



HK2 hood

Model Numbers

DLX4-HK DLX4-HK2 DLX6-HK DLX6-HK2
DLX4-HK-1 DLX4-HK2-1 DLX6-HK-1 DLX6-HK2-1
1 - Hardwire, 4 - Four LEDs, 6 - Six LEDs, HK - Single head hood kit, HK2 - Double head hood kit

Amp draw will vary depending on the color of the LED and the flash pattern selected

Voltage: DLX4-HK*-1, DLX6-HK*-1 10-30V DC,
DLX4-HK*, DLX6-HK* 10-16V DC
Amp Draw (per head): DLX4 0.7 amps @ 12V DC, 0.3 @ 24V DC, DLX6 0.9 amps @ 12V DC, 0.5 amps @ 24V DC

Approvals: DLX4-HK

| | |
|-------------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Amber, White, Blue, Red | Blue, Red |

Approvals: DLX6-HK

| |
|--|
| SAE J595 Class I |
| Amber, Amber/Blue, Amber/Red, Amber/White, Blue, Blue/White, Red/Blue, Red, Red/White, White |
| California Title 13 |
| Amber, Amber/Blue, Amber/Red, Blue, Red/Blue, Red |



274-DLX4-6-W
Window mounting



274-DLX4-6-U
L-bracket for universal mounting



274-DLX4-6-45
45° angle mounting



274-DLX4-6-T
Trunk mounting



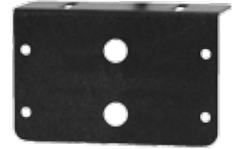
BB274-DLX-VC
Visor clip mounting



274-DLX4-6-H
Headliner bracket for DLX4-HK, DLX4-HK2, DLX6-HK, and DLX6-HK2 series with a flashback hood



274-DLX4-6-1X2
L-bracket for mounting two Versa Star® horizontally



274-DLX4-6-2X1
L-bracket for mounting two Versa Star® vertically



BB274-DLX6-BAIL
Bail bracket mounting



274-DLX4-6-RL
License plate mounting



BB274-DLX4-6-SLP
Pickup rear window mounting



BB274-DLX46LPM
Adjustable license plate mounting



BB274-DLX4-6-RHK
Pickup rear window mount using hanger clips



274-DLXT-T
Trunk mounting



274-DLXT-U
L-bracket for universal mounting



274-DLXT-45
45° angle mounting



274-DLXT-W
Window mounting



274-DLXT-RL
License plate mounting



274-DLXT-2X1
L-bracket for mounting two single bezel series LED lights vertically



274-DLXT-1X2
L-bracket for mounting two single bezel series LED lights horizontally



BB274-DLXT-LPB
License plate bracket holds six DLXT models, three on each side



BB274-DLXTHU-LPB
License plate bracket holds two DLXTHU or DLXT units

LED LIGHTS

- Only 1/2" thick
- High intensity LED lights are built with fully encapsulated circuitry
- S-Link System™ synchronizing capabilities with other Star LED units (DLXT only)
- For interior or exterior applications

- Black, Chrome, or White bezels available
- Optional brackets are available for single bezels
- Reverse polarity protected and current limiting protection over the entire operating voltage
- See page 39 for Specifications and Approvals



Easily fits standard 6" oval rubber grommets not included, #527

Model Numbers

| | | | |
|-----------|------------|------------|-----------|
| DLHT-121 | DLNT-121 | DLNT-122SC | DLTT-244 |
| DLHT-121C | DLNT-121C | DLNT-124 | DLXT-121 |
| DLHT-124 | DLNT-121S | DLTT-121 | DLXT-121C |
| DLHT-241 | DLNT-121SC | DLTT-124 | DLXT-124 |
| DLHT-244 | DLNT-122S | DLTT-241 | DLXT-124C |

C - Chrome, **S** - Single switch, **DLHT** - Auxiliary hazard turn, **DLNT-121** - Single (Black or Chrome) switched bezel, **DLNT-122** - Dual (Black or Chrome) switched bezel, **DLTT** - Auxiliary stop/tail/turn, **DLXT-121** - Rectangle bezel, **DLXT-124** - Oval bezel

Features

- Standard Black bezel
- DLXT-121 - White bezel available (P30019-132W)
- DLXT-124 - White bezel available (P30019-133W)
- DLXT-121 - surface mount or mount with optional brackets
- DLXT-124 - surface mount or use with standard 6" rubber grommets
- DLNT - Surface mount
- DLNT-S - Interior use only, has an individual power switch

Voltage: 10-16V DC or 24V DC (available)

Amp Draw: 0.3 amps @ 12V DC, 0.2 amps @ 24V DC



Only 1/2" thick!

DLXT, DLHT LED Colors



DLTT, DLNT LED Colors



DLNT-S Single Bezel LED Colors

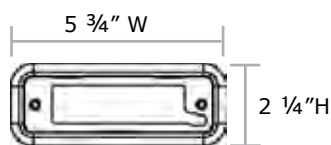


DLNT-S Double Bezel LED Colors



Specific model numbers vary between series and color combinations. Call for details when ordering.

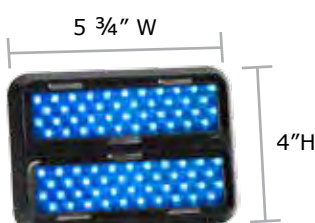
- DLXT** Auxiliary warning LED light, 10 plus customer selectable flash patterns, including steady-on
- DLHT** Auxiliary hazard turn light, flasher in warning pattern overridden by turn signal output, flashes with turn signal input, 10 customer selectable flash patterns
- DLTT** Auxiliary stop/tail/turn light
- DLNT** 16 LED steady burn value head, for use as an auxiliary area light, compartment light, or dummy head
- DLNT-S** 16 LED steady burn value head, area or compartment lighting with on/off switch, for interior mounting only



Single Bezel



Mounting



Double Bezel
DLXT-2CUST



Triple Bezel
DLXT-3CUST

Model Numbers

- DLXT-2CUST** Indicate LED color and bezel color when ordering
- DLXT-3CUST** Indicate LED color and bezel color when ordering

Bezel Part Numbers

| Part number | Double Black bezel part number | Double Chrome bezel part number | Triple Black bezel part number | Triple Chrome bezel part number |
|------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| DLXT, DLHT, DLTT | S30019-134 | S30019-134P | S30019-135 | S30019-135P |
| DLNT | S30019-134NE | S30019-134NEP | S30019-135NE | S30019-135NEP |

- Only .84" thick
- Six high intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one DLXTH light)
- S-Link System™ synchronizing capabilities with other Star LED units (DLXT only)

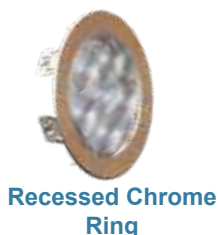
- Can be mounted just about anywhere, interior or exterior
- Can be mounted in a bezel, Chrome ring, grommet, or window mount
- Patent #D712, 086
- See page 39 for Specifications and Approvals

DLXTH* Series Colors



C - Clear lens

Color choices may vary between product.
Please call to confirm color availability.

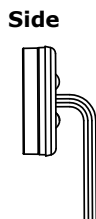
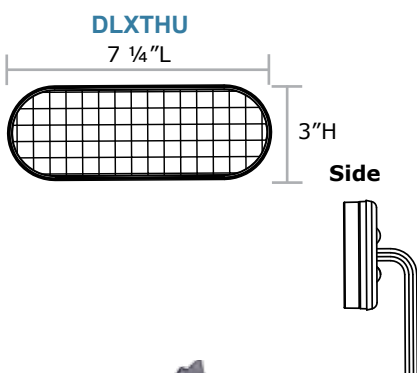
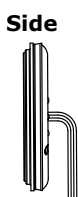
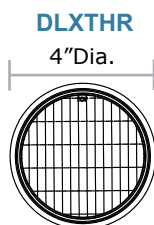


Replacement Parts for DLXTHR

| | |
|--------------------|-------------|
| Round Black bezel | S30019-255 |
| Round Chrome bezel | S30019-255P |
| Round White bezel | P30019-255W |
| Round Grommet | P30199-7 |
| Round Chrome ring | 30019-99 |
| Round Window bezel | S30019-260 |

Replacement Parts for DLXTHU

| | |
|-------------------|-------------|
| Oval Black bezel | S30019-257 |
| Oval Chrome bezel | S30019-257P |
| Oval White bezel | P30019-257W |
| Oval Grommet | P30199-5 |
| Oval Window bezel | S30019-259 |



Optional Brackets



Model Numbers

| | | | |
|----------|----------|-----------|----------|
| DLHTHR-1 | DLNTHR-4 | DLXTHR-3 | DLXTHU-1 |
| DLHTHR-4 | DLNTHR-5 | DLXTHR-3K | DLXTHU-2 |
| DLHTHR-8 | DLNTHU-1 | DLXTHR-4 | DLXTHU-4 |
| DLHTHU-1 | DLNTHU-4 | DLXTHR-5 | DLXTHU-7 |
| DLHTHU-4 | DLXTHR-1 | DLXTHR-7 | DLXTHU-8 |
| DLNTHR-1 | DLXTHR-2 | DLXTHR-8 | DLXTHU-9 |

1 - Bezel, 2 - Weatherproof connector, 3 - Tractor housing, 4 - Grommet, 5 - Chrome ring, 7 - Window bezel, 8 - Grommet and connector, 9 - Ambulance insert, **DLXTHR** - 4" round, **DLXTHU** - 6" oval, **K** - Kit, **N** - Steady burn, **X** - Flashing

Optional Brackets

- BKT3904 - Optional bracket for DLXTHR
- BKT3920 - Optional bracket for DLXTHU

Approvals: Flashing (DLXT Models)

| | |
|-------------------------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Amber, White, Blue Clear, Red Clear | Amber (round only) |

Voltage: 10-30V DC
Amp Draw: .54 amps (max)

LED LIGHTS

- High intensity Star Generation IV LEDs are self contained
- Steady burn or flashing LED heads with built-in flashers
- S-Link System™ synchronizing capabilities with other Star LED units (LDHF models only)
- 20 customer selectable flash patterns in two phases plus steady-on (LDHF models only)

- The high efficiency optics are available in three options: Spot, Trapezoidal, and Wide Spread
- Quick installation in any situation
- Patent #D696,035
- See page 39 for Specifications and Approvals

PAR 36 LIGHTS



LDH-361



LDH-362



LDH-363



LDH-364

Model Numbers

| | | | |
|-----------|------------|-----------|-----------|
| LDH-361-S | LDH-363-S | LDH-364-T | LDHF364-T |
| LDH-361-T | LDH-363-T | LDHF362-E | LDHT362-T |
| LDH-362-E | LDH-363M-S | LDHF362-T | LDHT363-T |
| LDH-362-S | LDH-363M-T | LDHF363-E | LDHT364-T |
| LDH-362-T | LDH-364-E | LDHF363-T | |
| LDH-363-E | LDH-364-S | LDHF364-E | |

361 - Sealed beam replacement, **362** - Swivel mount, **363** - Rubber tractor mount, **364** - Rubber grommet mount, **E** - Wide spread optics, **LDH** - Steady burn, **LDHF** - Flash, **LDHT** - Hazard-Turn, **M** - Magnet mount, **S** - Spot optics, **T** - Trapezoidal optics

Approvals: Flashing (LDHF Models)

| | |
|-------------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Red, Amber, Blue, White | Red, Amber, Blue |

Voltage: permanent 10-30V DC, magnet 10-16V DC
Amp Draw: 1.1 amps (max)

Replacement Parts

Mounting hardware (LDH-363)
 Tractor housing
 Swivel mounting bracket
 Rubber grommet

S30017-33
 P30146-16
 274-LDH-362
 P30199-7

Steady Burn Colors



Flashing Colors



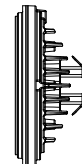
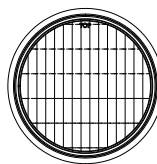
C - Clear lens

Lens Colors



LDH-361

Side

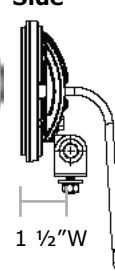


4 13/32" Dia.

1 31/32" W

LDH-362

Side

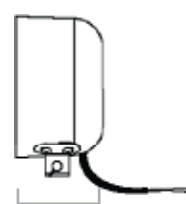


4 3/8" Dia.

1 1/2" W

LDH-363

Side



4 13/16" Dia.

2 29/32" W

LDH-363M

Side

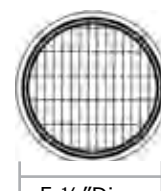


4 13/16" Dia.

2 29/32" W

LDH-364

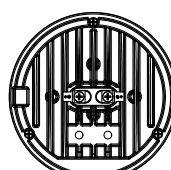
Side



5 1/2" Dia.

1 3/64" W

Back



LDH-361

- High intensity Star Generation IV LEDs
- Customer selectable flash patterns
- Circuitry is encased in a rugged extruded aluminum housing for protection against shock and vibration
- Designed for dash, deck, window, mirror, or grille mounting
- Compact, durable, and powerful

- Offered in 6" or 12" widths and are rotationally adjustable
- Reverse polarity protection and auto voltage adjustment
- Rated for up to 100,000 hours of use with an extremely low amp draw
- Ideal for all types of emergency vehicles
- See page 39 for Specifications and Approvals

LED Colors



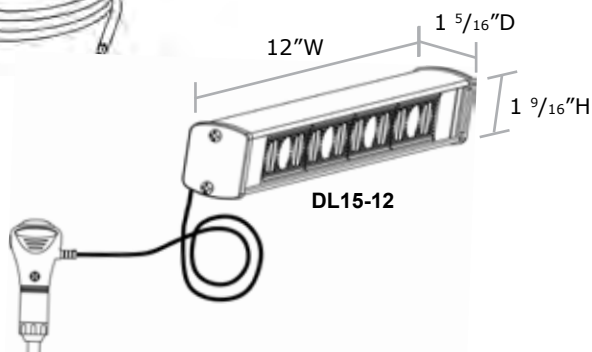
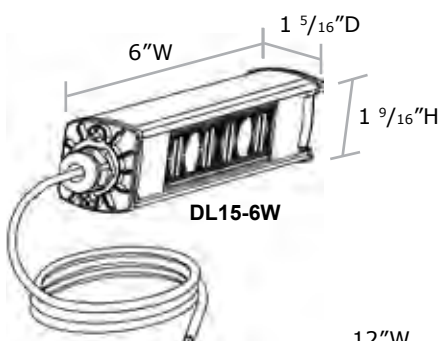
LED Split Colors



Replacement Parts

| | |
|----------------------------------|--------------|
| Universal mount kit | DL15-BKT |
| Deck mount kit | DL15-SMTK |
| Suction cup kit (four) | DL15-CUPK |
| Suction cup (one) | DL15-CUP |
| Grille mount bracket kit | 274-DL15GMB |
| Mirror mount bracket kit DL15-6 | 274-DL15MMB |
| Mirror mount bracket kit DL15-12 | 274-DL15MMB2 |

- DL15-6** Interior mount only, six LED array unit, cig. plug with lighted on/off switch, pattern select switch, 29 customer selectable flash patterns
- DL15-6GMB** Interior/exterior mount, grille mount bracket, six LED array unit, weatherproof connector, 12' three conductor cable, 29 selectable customer flash patterns
- DL15-6MMB** Interior mount only, mirror mount bracket, six LED array unit, cig. plug with lighted on/off switch, pattern select switch, 29 customer selectable flash patterns
- DL15-6W** Interior/exterior mount, six LED array unit, weatherproof 12' three conductor cable, 29 customer selectable flash patterns
- DL15-6W-1K** Interior/exterior mount synchronized kit, one pair of six LED array units (two DL15-6W-1 units can be synchronized for simultaneous or alternating flashing), weatherproof 12' three conductor cable, 3 customer selectable flash patterns
- DL15-12** Interior mount only, twelve LED array unit, cig. plug with lighted on/off switch, pattern select switch, 35 customer selectable flash patterns
- DL15-12W** Interior/exterior mount, twelve LED array unit, weatherproof 12' three conductor cable, 34 customer selectable flash patterns



DL15-6-BW



DL15-6GMB-B



DL15-6MMB-B



DL15-6W-1K



DL15-12-B

Model Numbers

| | | |
|-----------|------------|----------|
| DL15-6 | DL15-6W | DL15-12W |
| DL15-6GMB | DL15-6W-1K | |
| DL15-6MMB | DL15-12 | |

6 - 6", **12** - 12", **GMB** - Grille mount bracket, **K** - Kit, **MMB** - Mirror mount bracket, **W** - Weatherproof (interior/exterior)

Approvals

| | |
|------------------|---------------------|
| SAE J595 Class I | California Title 13 |
| Red, Blue | Red, Blue |

Does not apply to all flash patterns

Voltage: 10-16V DC
Amp Draw: DL15-6 - 0.8 amps, DL15-12 - 1.6 amps

LED LIGHTS

- Maximum light output in a minimum package
- Six Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one DLS306 light)
- S-Link System™ synchronizing capabilities with other Star LED units
- Circuitry is fully encapsulated within the housing for vibration and water resistance

- Lens has diffusing optics for wider coverage
- Can mount just about anywhere and can mount in any direction
- No need to install a separate flasher unit, it's built into a miniature housing
- Interior/exterior mount
- Kit includes a snap-on polycarbonate, Black (standard), Chrome, or White bezel that will hide screw heads for a clean install
- See page 39 for Specifications and Approvals



DLS306-BB



DLS306

Model Numbers

DLS306 DLS306C

C - Chrome bezel

Voltage: 10-30V DC**Amp Draw:** 1.2 amps (max)

Replacement Parts

Black bezel

P30019-144B

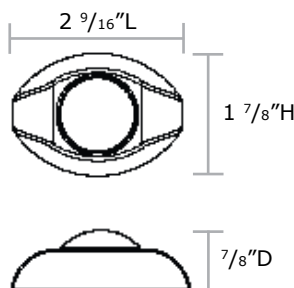
Chrome bezel

P30019-144P

White bezel

P30019-144W

LED Colors



Mounting



Installation on a metal surface is highly recommended for proper heat dissipation, allowing the light to obtain full brightness

LED VISOR LIGHT

- High intensity LED lights give you plenty of possibilities to customize to your individual needs
- 30 customer selectable flash patterns
- Auto-Tilt™ Automatic Activation that automatically switches on when visor is pulled down, switches off when visor is up (can be disabled)
- High impact resistant polycarbonate housing

- Vibration resistant LED technology and a micro-controlled solid state flasher allow for long life
- Designed for visor mount only
- Power indication LED allows you to see ready status
- Auto-voltage adjust compensates for varying vehicle voltage
- Ships complete with cig. plug, hook and loop fasteners, and instructions
- See page 39 for Specifications and Approvals



VL22

Model Number

VL22

Replacement Parts

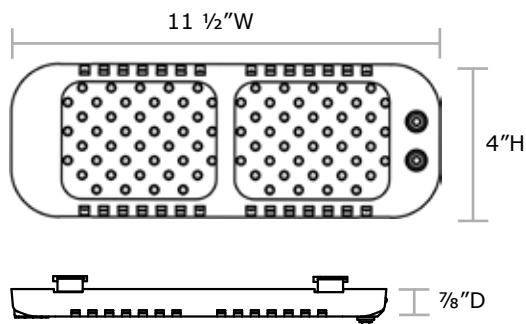
Cig. plug

176

Hook and loop strap

30209-1

LED Colors

**Voltage:** 10-16V DC**Amp Draw:** 1.5 amps

Amp draw will vary depending on the color of the LED heads used and the flash pattern selected

- Rear spoiler kit
- Quick and easy install
- Quick connectors on all heads
- Includes pre-wired harness

- OEM factory look once installed
- Configurable with any combination of BKDLX3, BKDLX4, and BKDLX6F products
- See page 39 for Specifications and Approvals



BBK6VER-1-TA-CUST



Top View Harness

Model Numbers

BBK6VER-1-FISUV-CUST **BBK6VER-1-TA-CUST**

FISUV - Ford SUV, **TA** - Chevy Tahoe

Voltage: 10-30V DC

Amp Draw: Varies with head selection

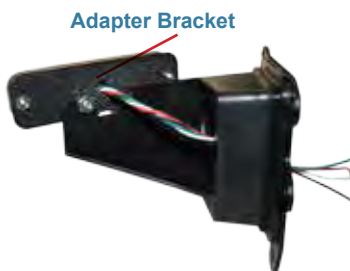
- Integrates directly into the Ford SUV police headlight
- Bracket comes with mounting hardware to mount to Ford housing assembly

- No drilling required
- Compatible with Star Constellation™ series (sold separately)
- See page 39 for Specifications and Approvals



Ford Police package head assembly

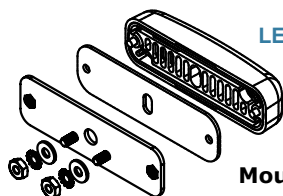
DLX3, DLX4, DLX6F



Adapter Bracket



BB274-FISUV-VER



LED light purchased separately

Mounting

Model Numbers

BB274-FISUV-VER

FISUV - Ford SUV



- High intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Interior/exterior mount
- Designed for flush or bracket mounting
- Versa Star® optional mounting brackets also available
- Includes 6" cable and connector
- Colors available: DLX3
- DLX4, DLX6F



BKLDHF311-A-10

- LED hide-a-way heads easily install in 1" mounting holes
- Perfect for new installs or to replace existing strobe heads
- Spherical LED heads are designed with diffusing optics for extremely wide angle light output
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one LDHF311 light)
- Customer changeable colored lenses included in white kit only
- Advanced thermal heat management
- Nickel aluminum housing
- Includes 18" head side cable and 10' cable with connector
- S-Link System™ synchronizing capabilities with other Star LED units
- Colors available:



BKLD418-2

- Connector board for the Star Constellation™
- Pattern select on BKLD418-2 controller does not control patterns within mini-bars

**BK200ZHRL,
BK200ZHRLP-A**



- 4 LED Star Halo® rotating version
- 12 customer selectable flash patterns, including steady-on
- Durable polycarbonate, twist on/off lens
- 3/4" pipe mount version available
- Includes 18" cable and connector
- Heavy die cast base
- Voltage: 12-24V DC
- Amber only



BKDLITE

BKDLITS

- Six super bright Star Generation V LEDs
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one DLIT light)
- Includes 6" cable and connector
- New and improved S-Link
- Voltage: 10-30V DC
- Colors available:

BKSWH-346



105°C

| | |
|--------------|-----------|
| BKSWH-346-5 | 5' cable |
| BKSWH-346-10 | 10' cable |
| BKSWH-346-18 | 18' cable |
| BKSWH-346-19 | 19' cable |
| BKSWH-346-23 | 23' cable |
| BKSWH-346-24 | 24' cable |

BKSWH-361



125°C

| | |
|--------------|-----------|
| BKSWH-361-10 | 10' cable |
| BKSWH-361-14 | 14' cable |
| BKSWH-361-16 | 16' cable |
| BKSWH-361-18 | 18' cable |
| BKSWH-361-21 | 21' cable |
| BKSWH-361-23 | 23' cable |
| BKSWH-361-25 | 25' cable |

MINI BARS (ONLY) BKSWH-357



125°C

| | |
|--------------|-----------|
| BKSWH-357-18 | 18' cable |
| BKSWH-357-23 | 23' cable |

Choose up to 6 from the LED Category (max. two mini-bars)
Choose the Controller BKLD418-2
Choose up to 6 from the Wire Harness Category









BKDLXTHU






BKDLXTHR

- Six Star Generation IV LEDs
- 25 customer selectable flash patterns including steady-on (only 13 customer selectable flash patterns if you have one DLXTH light)
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Interior/exterior mount
- Includes 6" cable and connector
- Trapezoidal optics only for BKDLXTHR
- Colors available:     C - Clear lens






BK9016LED

- M-Tech Plus® LED technology that provides a superior 360° warning light image
- 20 customer selectable flash patterns
- S-Link System™ synchronizing capabilities with other Star LED units
- Exterior mount
- Can only use BKSWH-357 cable with this model
- Includes 30" cable and connector
- Customer can remove dome to change pattern
- Colors available:   





BK9100LED

- Super bright M-Tech Plus® LED technology that provides a superior warning light image
- S-Link System™ synchronizing capabilities with other Star LED units
- Exterior mount
- Includes 30" cable and connector
- Can only use BKSWH-357 cable with this model
- Shipped in quad flash only, other patterns not synchronizable
- Colors available:   

BK255H8TCL









BK255H8TSL

- Eight Star Generation IV LEDs
- 24 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one 255 light)
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Lightweight polycarbonate, universal, flange base: three-hole permanent mount, 1" pipe mount
- Includes 18" cable and connector
- Colors available:  









BKDLXT-121

- High intensity, PLCC4 LEDs
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Interior or exterior mount
- 21 customer selectable flash patterns, including steady-on
- Includes 6" cable and connector (only 10 customer selectable flash patterns if you have one DLXT light)
- Colors available:   
  



BKDLS306

- Omni-directional, mounts in any direction
- Six Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on (only 13 customer selectable flash patterns if you have one DLS306 light)
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Includes 6" cable and connector
- Colors available:   
  

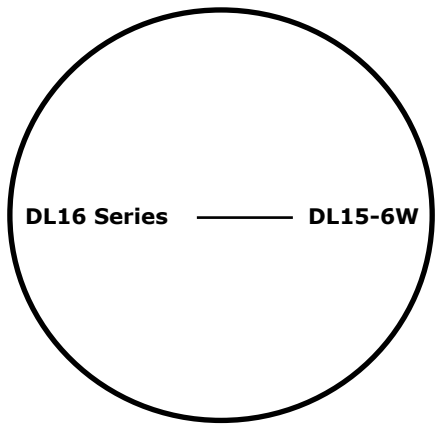


Choose up to 6 from the LED Category (max. two mini-bars)
Choose the Controller BKLD418-2
Choose up to 6 from the Wire Harness Category

S-LINK SYSTEM™



DL16



DL16 Series

DL15-6W



DL15-6W

Sync up to 2 units with each other



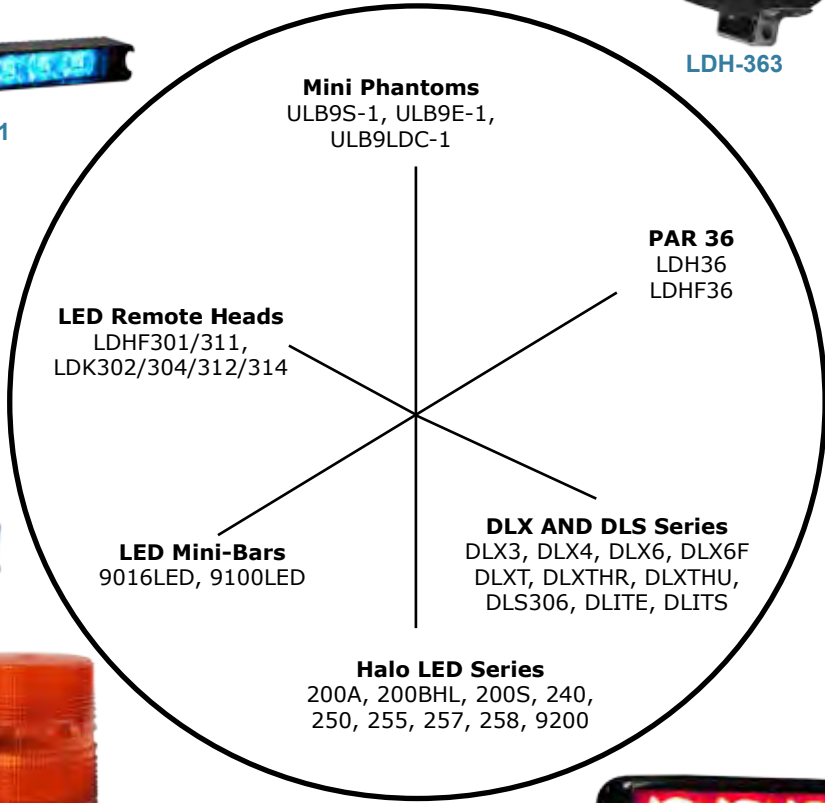
Sync with each other



ULB9S-1



LDH-363



Mini Phantoms
ULB9S-1, ULB9E-1,
ULB9LDC-1

LED Remote Heads
LDHF301/311,
LDK302/304/312/314

PAR 36
LDH36
LDHF36

LED Mini-Bars
9016LED, 9100LED

DLX AND DLS Series
DLX3, DLX4, DLX6, DLX6F
DLXT, DLXTHR, DLXTHU,
DLS306, DLITE, DLITS

Halo LED Series
200A, 200BHL, 200S, 240,
250, 255, 257, 258, 9200



LDHF301 Series



9100LED



255HTCL



DLX3

| Model # | Voltage | Amp Draw | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals (* = approvals only apply when properly configured) (A - Amber, B - Blue, R - Red, C - Clear, W - White) |
|--|------------------------|--|---------------------|--------------------------------------|--|
| DL15-12, DL15-12W | 10-16V DC | 1.6 amps | < 2 | 5 | SAE J595 Class I (R, B), California Title 13 (R, B)* |
| DL15-6, DL15-6W | 10-16V DC | 0.8 amps | < 2 | 5 | SAE J595 Class I (R, B), California Title 13 (R, B)* |
| DL15-6GMB, DL15-6MMB | 10-16V DC | 0.8 amps | GMB - 2, MMB - 8 | 5 | SAE J595 Class I (R, B), California Title 13 (R, B)* |
| DL15-6W-1K | 10-16V DC | 0.8 amps | > 2 | 5 | SAE J595 Class I (R, B), California Title 13 (R, B)* |
| DLHTHR-1, DLHTHR-4, DLHTHU-1, DLHTHU-4 | 10-30V DC | .54 amps max | < 1 | 5 | SAE J595 Class I (A only), California Title 13 (A only) * |
| DLITE, DLITS | 10-30V DC | .55 amps | | 5 | SAE Class I, California Title 13* |
| DLNT-121S, DLXT-121SC, DLNT-122S, DLNT-122SC | 10-16V DC | 0.3 amps | < 1 | 5 | N/A |
| DLNTHR-1, DLNTHR-4, DLNTHR-5, DLXTHR-1, DLXTHR-2, DLXTHR-3, DLXTHR-3K, DLXTHR-4, DLXTHR-5, DLXTHR-7, DLXTHR-8 | 10-30V DC | .54 amps max | < 1 | 5 | SAE J595 Class I (A, W, BC, RC), California Title 13 (A, BC, RC)* |
| DLNTHU-1, DLXTHU-1, DLXTHU-2, DLXTHU-4, DLXTHU-7, DLXTHU-8, DLXTHU-9 | 10-30V DC | .54 amps max | < 1 | 5 | SAE J595 Class I (A, W, BC, RC), California Title 13 (A, BC, RC)* |
| DLS306, DLS306C | 10-30V DC | 1.2 amps max | < 1 | 5 | none |
| DLX3 | 10-16V DC | 0.29 amps | < 1 | 5 | SAE Class II (A, W), SAE Class I (B, R)* |
| DLX3H-A | 10-16V DC | 0.29 amps | < 1 | 5 | SAE J595 Class I, California Title 13 (A only)* |
| DLX4, DLX4C | 10-30V DC | 0.7 amps @ 12V DC, 0.3 amps @ 24V DC | < 1 | 5 | SAE J595 Class I (A, W, B, R), California Title 13 (B, R)* |
| DLX4-HK, DLX4-HK-1, DLX4-HK2, DLX4-HK2-1 | 10-16V DC | DLX4 - 0.7 amps @ 12V DC, DLX4 - 0.3 amps @ 24V DC (amp draw will vary with color) | < 2 | 5 | SAE J595 Class I (A, W, B, R), California Title 13 (B, R)* |
| DLX6, DLX6C, DLX6F | 10-30V DC | 0.9 amps @ 12V DC, 0.5 amps @ 24V DC (amp draw will vary with color) | < 1 | 5 | SAE J595 Class I (A, AB, AR, AW, B, BW, RB, RW, W), California Title 13 (A, AB, AR, B, RB, R) * |
| DLX6-HK, DLX6-HK-1 | 10-16V DC | DLX6 - 0.9 amps @ 12V DC, DLX6 - 0.5 amps @ 24V DC | < 2 | 5 | SAE J595 Class I (A, AB, AR, AW, B, BW, RB, R, RW, W), California Title 13 (A, AB, AR, B, RB, R) * |
| DLX6-HK2, DLX6-HK2-1 | 10-30V DC | DLX6 - 0.9 amps @ 12V DC, DLX6 - 0.5 amps @ 24V DC (amp draw will vary with color) | 2 | 5 | SAE J595 Class I (A, AB, AR, AW, B, BW, RB, R, RW, W), California Title 13 (A, AB, AR, B, RB, R)* |
| DLXT-121, DLXT-121C, DLXT-124, DLXT-124C | 10-16V DC or 24V DC | 0.3 amps @ 12V DC, 0.2 amps @ 24V | < 1 | 5 | SAE J595 Class II (A, R, B)* |
| DLXT-2CUST, DLXT-3CUST | 10-16V DC or 24V DC | 0.3 amps @ 12V DC, 0.2 amps @ 24V | < 2, < 3 | 5 | SAE J595 Class II, (A, R, B)* |
| FLKULB9S, RLKULB9S-1 | 10-16V DC | 1.4 amps max | RLK - 2, FLK - 1 | 5 | SAE J595 Class I, California Title 13* |
| LDH-361, LDH362, LDHF362, LDH-363, LDHF363, LDH-364, LDHF364, LDHT-364, LDHT362, LDHT363 | 10-30V DC | 1.1 amps max | 1 | 5 | SAE J595 Class I, California Title 13* |
| LDH-363M | 10-16V DC | 1.1 amps max | 3 | 5 | SAE J595 Class I* |
| ULB9S, ULB9S-1 | 10-16V DC | 1.4 amps max | < 1 | 5 | SAE J595 Class I, California Title 13* |
| ULB9E, ULB9E-1 | 10-16V DC | 0.4 - 0.8 amps max | < 1 | 5 | SAE Class I (A, B, R, W) California Title 13* (A, R, B) |
| ULB9LDC, ULB9LDC-1 | 10-16V DC | 0.5 - 0.7 amps, 0.9 amps max | < 1 | 5 | SAE Class I (A, B, R, W) Class II (RB)* |
| VL22 | 10-16V DC | 1.5 amps | < 1 | 5 | none |

REMOTE FLASHING LED KITS

- Self-contained, LED flashing circuitry
- S-Link System™ synchronizing capabilities with other Star LED units
- Optics boost and concentrate light for maximum LED output
- Easily installs in 1" mount holes
- Perfect for both new installs or as replacements for hide-a-way strobe heads

- Nickel plated aluminum housings allow for our advanced thermal heat management
- Customer changeable colored lenses (with white kit only), giving these LED lights versatility in the field
- See page 44 for Specifications



LDHF301 Series
Directional Head

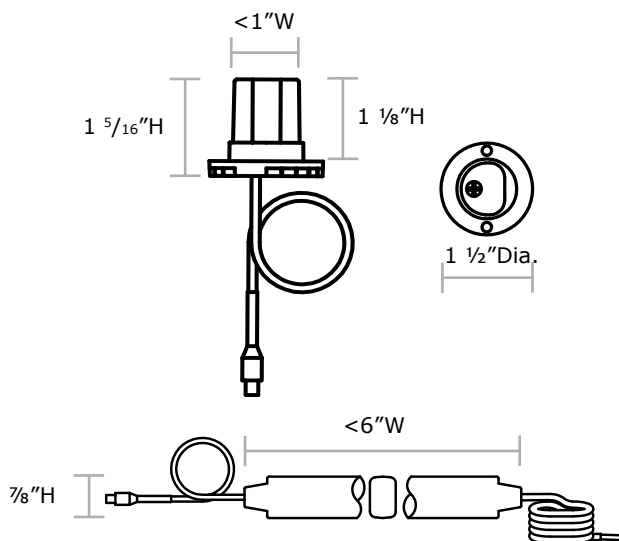


LDHF311 Series
Spherical Head

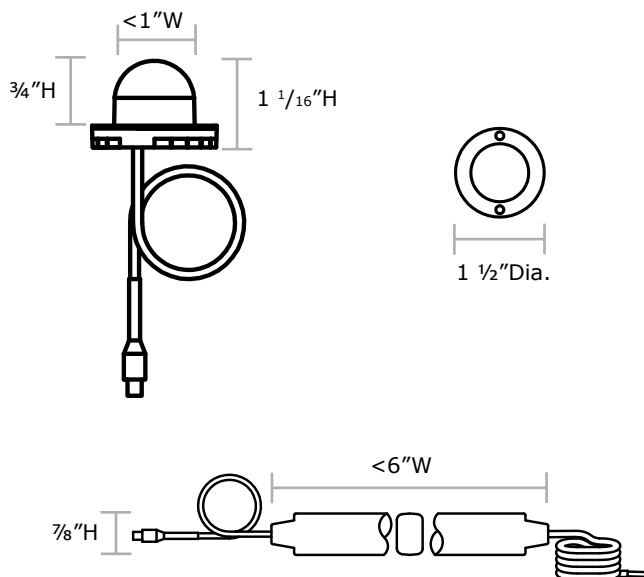
Replacement Parts (* = color)

| | |
|--|------------|
| Replacement head with connector | LDH300C-* |
| Spherical replacement head with connector | SLDH310C |
| Three color lens kit for spherical heads | P30129-50K |
| Single color lens for spherical heads | P30129-50* |
| Three color lens kit for directional heads | P30129-47K |
| Single color lens for directional | P30129-47* |

Lens Colors



LDHF301



LDHF311

Model Numbers

LDHF301-*-10 LDHF311-*-10
LDHF301-*-30 LDHF311-*-30

10 - 10' cable, **30** - 30' cable, **301** - Directional head,
311 - Spherical head

Features

- Spherical LED heads are designed with diffusing optics for extremely wide angle light
- 25 customer selectable flash patterns including steady-on (only 13 customer selectable flash patterns if you have one LDHF light)

Mounting: 1" hole

Voltage: 12-24V DC
Amp Draw: 0.5 amps per head (max)

- Self-contained, LED flashing circuitry
- S-Link System™ synchronizing capabilities with other Star LED units
- Optics boost and concentrate light for maximum LED output
- Easily installs in 1" mount holes
- Perfect for both new installs or as replacements for hide-a-way strobe heads

- Nickel plated aluminum housings allow for our advanced thermal heat management
- Customer changeable colored lenses (with white kit only), giving these LED lights versatility in the field
- See page 44 for Specifications

Lens Colors



Replacement Parts (* = color)

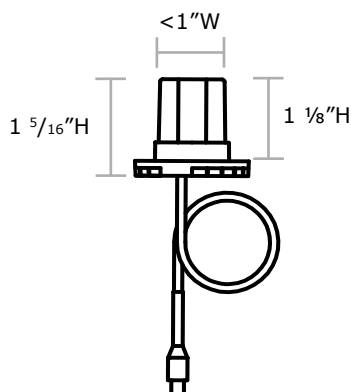
| | |
|--|------------|
| Two output remote LED flasher | LDF300 |
| Replacement head with connector | LDH300C-* |
| Spherical replacement head with connector | SLDH310C |
| Three color lens kit for spherical heads | P30129-50K |
| Single color lens for spherical heads | P30129-50* |
| Three color lens kit for directional heads | P30129-47K |
| Single color lens for directional | P30129-47* |

LDK302 Two head kit includes: 1 - flasher module, 1 - 4' cable with attached connectors, 1 - 8' cable with attached connectors, 2 - LED head assemblies with 2' leads and attached connectors

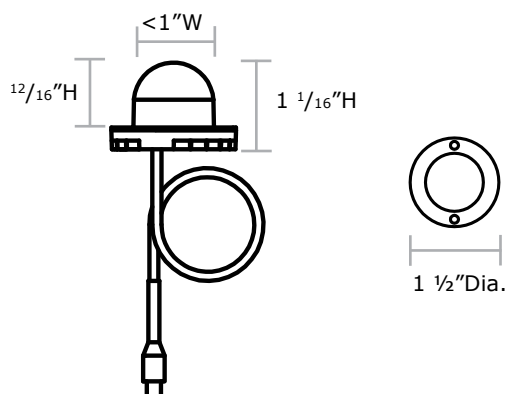
LDK304 Four head kit includes: 2 - flasher modules, 2 - 4' cables with attached connectors, 2 - 8' cables with attached connectors, 4 - LED head assemblies with 2' leads and attached connectors

LDK312 Two head kit includes: 1 - flasher module, 1 - 4' cable with attached connectors, 1 - 8' cable with attached connectors, 2 - LED spherical head assemblies with 2' leads and attached connectors

LDK314 Four head kit includes: 2 - flasher modules, 2 - 4' cables with attached connectors, 2 - 8' cables with attached connectors, 4 - LED spherical head assemblies with 2' leads and attached connectors



LDHF301



LDHF301



LDK302
Directional Head



LDK312
Spherical Head

Model Numbers

LDK302 LDK304 LDK312 LDK314

302 - Two directional head kit, **304** - Four spherical head kit, **312** - Two directional head kit, **314** - Four spherical head kit

Features

- Spherical LED heads are designed with diffusing optics for extremely wide angle light
- 20 customer selectable flash patterns

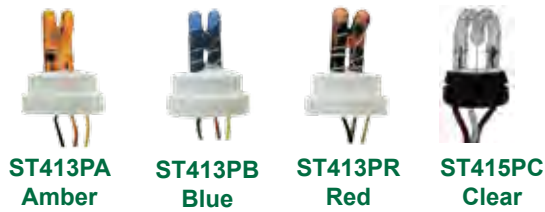
Voltage: 12-24V DC
Amp Draw: 0.5 amps per head (max)

Cable Lengths: 4', 8', 15', 20', 25', 30', 35'

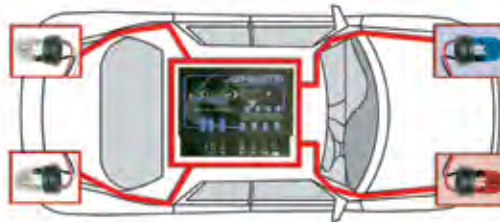
REMOTE KITS AND HEADS

- Optimax™ or the Star-Pak® - quality remote power supply kit that is built to last
- Power supplies offered in a wide range of output from 20 - 90 watts
- Can control two to six remote strobe heads or flash tubes

- Several models offer selectable flash patterns and visual diagnostics as well as day/night mode selections
- Kits include: remote power supply, strobe heads, standard length cables, and lighted toggle switches
- See page 44 for Specifications



- Phantom strobe tubes are designed to mount into headlight, tail light, or marker light housings
- Allows your vehicle to blend in with traffic until you are ready to be noticed



- Visual Systems Diagnostics (VSD™) helps diagnose the problem for RP242, RP244, RP966, and RP996
- By observing miniature lamps through windows located on the power supply you can evaluate four important operations of the strobe system
 1. The trigger lines (power going back to strobe tubes)
 2. The strobe heads enable



Model Number RSK244P

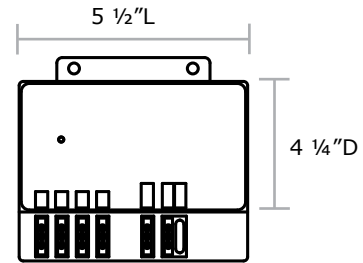
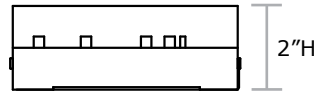
244 - 75 watts, K - Kit

Features

- Complete, powerful and economical choice for a four corner remote strobe system
- 6 selectable flash patterns along with head selection and day/night mode
- Power reduction to operating heads in case of head failure
- Ships complete with power and control leads, instructions

Flash Patterns

- | | |
|--------|--------|
| Single | Quad |
| Double | Quint |
| Triple | Random |



Kit Includes Qty

| | | |
|---------|---|------------------------------------|
| RP244 | 1 | 75 watt remote power supply |
| ST415PC | 4 | Clear strobe tube assemblies |
| 4415 | 2 | 15' cable with attached connectors |
| 4420 | 2 | 20' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |



Model Number RSK242P

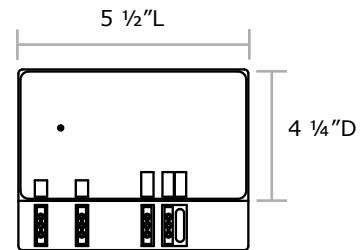
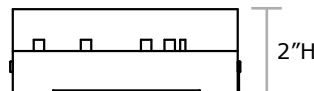
242 - 40 watts, K - Kit

Features

- Ideal choice where only two Phantom strobe tubes are needed
- 6 selectable flash patterns along with a customer selectable day/night mode
- Ships complete with power and control leads, instructions

Flash Patterns

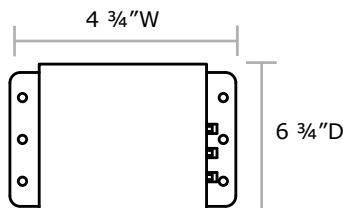
- | | |
|--------|--------|
| Single | Quad |
| Double | Quint |
| Triple | Random |



Kit Includes Qty

| | | |
|---------|---|------------------------------------|
| RP242 | 1 | 40 watt remote power supply |
| ST415PC | 2 | Clear strobe tube assemblies |
| 4415 | 2 | 15' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |

| Kit Includes | Qty | |
|--------------|-----|--|
| RP310 | 1 | 24 watt remote power supply |
| ST415PC | 2 | Clear strobe tube assemblies |
| 3814-240 | 2 | 20' cable with attached connectors |
| SP3860-2H | 1 | Lighted toggle switch (on/off, high/low) |



RSK310P

Model Number

RSK310P

310 - 24 watts, **K** - Kit

Features

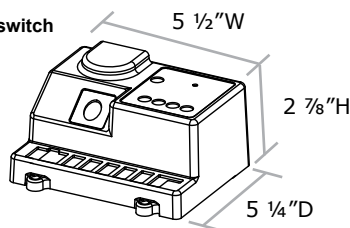
- Strobe tube kit is an economical choice where only two Phantom™ strobe tubes are needed
- Uses the SP3860-2H switch panel
- Fully encapsulated circuit board resists elements

RSK966P

| Kit Includes | Qty | |
|--------------|-----|------------------------------------|
| RP966 | 1 | 60 watt remote power supply |
| ST415PC | 6 | Clear strobe tube assemblies |
| 4415 | 6 | 15' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |

RSK966P-4

| Kit Includes | Qty | |
|--------------|-----|------------------------------------|
| RP966 | 1 | 60 watt remote power supply |
| ST415PC | 4 | Clear strobe tube assemblies |
| 4415 | 2 | 15' cable with attached connectors |
| 4420 | 2 | 20' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |



RSK966P

Model Numbers

RSK966P RSK966P-4

4 - Four strobe tube assemblies, **966** - 60 watts, **K** - Kit

Features

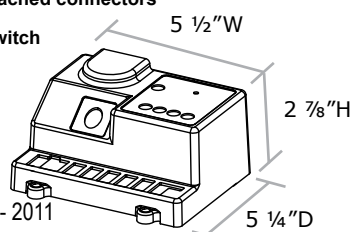
- Incorporates six outlets with 24 customer selectable flash patterns all in a 60 watt system
- Multiple strobe head combinations can be enabled and a customer selectable day/night mode is included
- Auto-power reduction to operating heads in case of head failure
- RFI protection and Visual Diagnostics (VSD™)
- Ships complete with power and control leads, and instructions

RSK996P

| Kit Includes | Qty | |
|--------------|-----|------------------------------------|
| RP996 | 1 | 90 watt remote power supply |
| ST415PC | 6 | Clear strobe tube assemblies |
| 4415 | 6 | 15' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |

RSK996P-4

| Kit Includes | Qty | |
|--------------|-----|------------------------------------|
| RP996 | 1 | 90 watt remote power supply |
| ST415PC | 4 | Clear strobe tube assemblies |
| 4415 | 2 | 15' cable with attached connectors |
| 4420 | 2 | 20' cable with attached connectors |
| LT1511 | 1 | Lighted toggle switch |



RSK996P

Model Numbers

RSK996P RSK996P-4

4 - Four strobe tube assemblies, **966** - 60 watts, **K** - Kit

Features

- Incorporates six outlets with 24 customer selectable flash patterns all in a 90 watt system
- Multiple strobe head combinations can be enabled and a customer selectable day/night mode is included
- Auto-power reduction to operating heads in case of head failure
- RFI protection, cooling fan, Visual Diagnostics (VSD™)
- Four head and six head kits are available

Optional police prep harness kit for 2007 - 2011 Ford Crown Victoria (RFK996-CV)



REMOTE KITS AND HEADS

| Model # (* = color) | Voltage | Amp Draw | Weight (lbs.) | Warranty (years) Refer to page 61 |
|-----------------------------------|-----------|---------------------------------------|---|--------------------------------------|
| LDHF301-*-10, LDHF311-*-10 | 12-24V DC | 0.5 amps per head max | 1.5 | 5 |
| LDHF301-*-30, LDHF311-*-30 | 12-24V DC | 0.5 amps per head max | 2.3 | 5 |
| LDK302, LDK312 | 12-24V DC | 0.5 amps per head max | 1 | 5 |
| LDK304, LDK314 | 12-24V DC | 0.5 amps per head max | 3.6 | 5 |
| RP242 | 12-24V DC | 4.2 amps max @ 12V, 2.1 amps @ 24V DC | 1.25 | 1 |
| RP244 | 12-24V DC | 7.8 amps max @ 12V, 3.9 amps @ 24V DC | 1.25 | 1 |
| RP310 | 12-24V DC | 2.5 amps @ 12V, 1.3 amps @ 24V DC | 1 | 1 |
| RP966 | 12-24V DC | 7.8 amps max @ 12V, 3.1 amps @ 24V DC | 1.25 | 1 |
| RP996 | 12-24V DC | 9.4 amps max @ 12V, 4.7 amps @ 24V DC | 1.25 | 1 |
| RSK242P | 12-24V DC | 4.2 amps max @ 12V, 2.1 amps @ 24V DC | 5 | 1 |
| RSK244P | 12-24V DC | 7.8 amps max @ 12V, 3.9 amps @ 24V DC | 6.5 - four head kits 8 - six head kits | 1 |
| RSK310P | 12-24V DC | 2.5 amps @ 12V, 1.3 amps @ 24V DC | 5 | 1 |
| RSK966P, RSK966P-4 | 12-24V DC | 7.8 amps max @ 12V, 3.1 amps @ 24V DC | 6.5 | 1 |
| RSK996P, RSK996P-4 | 12-24V DC | 9.4 amps max @ 12V, 4.7 amps @ 24V DC | 6.5 | 1 |
| ST415P, ST413PA, ST413PB, ST413PR | N/A | N/A | 1 | 1 |

One joule assimilates
100,000 peak candle
power.

All remote power
supplies are reverse
polarity protected.

**RP242 & RP244

defaulted for 5 flash patterns. The RP966 and RP996 are defaulted to the quad flash pattern. Other patterns are customer selectable.

*RP310 customer selectable double/quad flash
(default set quad flash)

| Model # | Power (watts) | Joules Primary | Joules 1 st | Joules 2 nd | Joules 3 rd | Joules 4 th | Total Output (joules) | Number of Outlets | High/Low Power Operation | Head Switching Option | Fuse Protected | Flash Rate* fpm = flashes per minute | Pattern Select |
|---------|------------------|-------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|----------------------|--------------------------------|--------------------------|-------------------|--|-------------------|
| RP242 | 40 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 17.0 | 2 | yes | no | yes | 702 fpm | 6 |
| RP244 | 75 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 31.9 | 4 | yes | yes | yes | 1410 fpm | 6 |
| RP310 | 24 | 7.8 | 3.5 | N/A | N/A | N/A | 11.3 | 2 | yes | no | N/A | 512 fpm | 2 |
| RP966 | 60 | 5.5 | 3.8 | 3.8 | 3.8 | 3.8 | 20.7 | 6 | yes | yes | yes | 2610 fpm | 24 |
| RP996 | 90 | 8.3 | 5.7 | 5.7 | 5.7 | 5.7 | 31.1 | 6 | yes | yes | yes | 2610 fpm | 24 |

*Flash rate depends on flash pattern

| Model # | Length | Light-Duty | Heavy-Duty | Shielded | Connector Pack-Side | Connector Head-Side |
|---------|----------|------------|------------|----------|---------------------|---------------------|
| 3814 | specify* | | X | | amp | weatherproof |
| 3820 | specify* | X | | | amp | weatherproof |
| 3821 | specify* | X | | | amp | amp |
| 4415 | 15' | X | | X | amp | amp |
| 4420 | 20' | X | | X | amp | amp |
| 4425 | 25' | X | | X | amp | amp |
| 4430 | 30' | X | | X | amp | amp |

Cable Lengths: 120", 140", 180", 240", 300"

- 22 programmable siren tones, including (two approved yelp tones, simulated mechanical wail and manual, and eight air horn tones)
- Seven position audio tone function select knob
- LED diagnostics allow quick trouble shooting
- Auxiliary enable can be used to enable a siren/air horn tone; or for hands free tone cycling
- User can easily retrofit any, old siren harness with only a wire stripper and screw driver
- Self-resetting circuit protection against speaker shorts

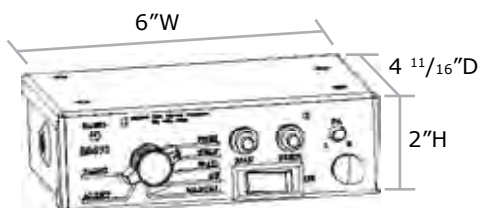
- Two-way radio rebroadcast volume adjustable from front of siren
- Push button on back allows the user to customize the unit (wail, yelp, phazer manual, air horn, two tone)
- Reverse polarity protection
- High and low voltage shutdown protection
- Ships complete with positive locking connector, mic. clip, mounting bracket, hardware, and instructions
- See pages 51 - 52 for Specifications



Back



SS670-013



Model Number

SS670-013

013 - Revision year, **SS** - Siren

Features

- New connector requires no special terminals
- Integrated public address microphone, volume adjustable from front of siren
- On/off rocker switch
- Positive switching for Auxiliary
- Operates one 100 watt speaker

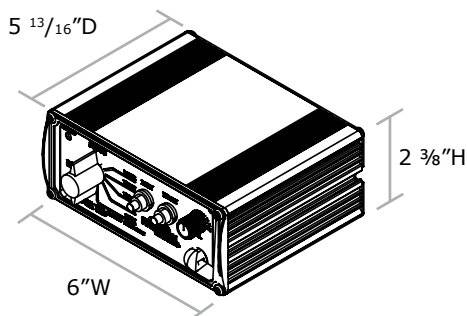
Voltage: 10-16V DC
Amp Draw: 8 amps



Back



SS700-016



Model Number

SS700-016 **SS700-28-016**

016 - Revision year, **28** - 19 - 32V, **SS** - Siren

Features

- Operates one or two 100 watt speakers
- Two-way radio volume adjustable from front of siren
- Built in fuse
- Combined on/off switch and PA volume knob
- Two push button audio control
- Positive or negative switching for Auxiliary and Park Kill inputs
- Horn ring transfer relay built in

Voltage: 10-16V DC or 19-32V DC for -28
Amp Draw: 8 amps

REMOTE SIRENS

- Trunk mount amplifier
- Wail, Yelp, Air Horn, Phaser, Manual, and Two-Tone
- Self-resetting circuit protection against speaker shorts
- Park Kill input
- Auxiliary input
- Replaceable jumpers for option selection

- Positive or negative switching for Auxiliary and Park Kill inputs
- High and low voltage shutdown protection
- Drives one or two 100 watt speakers
- Ships complete with positive locking connector, mic. clip, hardware, RFI filter, and instructions
- See pages 51 - 52 for Specifications

SS730



SS730

Model Number

SS730

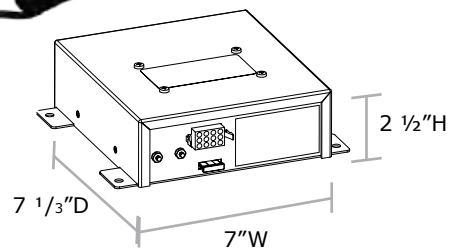
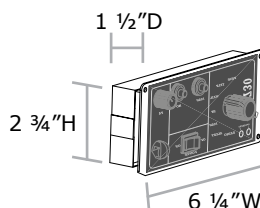
SS - Siren

Features

- Integrated public address microphone

Voltage: 10-16V DC

Amp Draw: 8 amps (per speaker)



SS741MG-11



SS741MG-11

Model Number

SS741MG-11

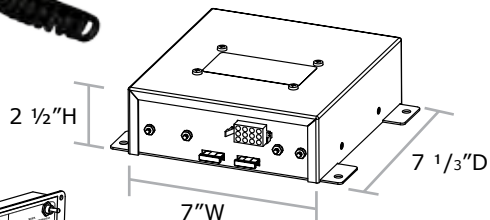
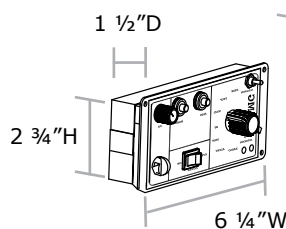
11 - Revision, MG - Magnum, SS - Siren

Features

- Remote head for applications with limited mounting space
- Two isolated amplifiers in one box allow for Dual Tone output in Magnum mode
- Integrated public address microphone with adjustable output volume

Voltage: 10-16V DC

Amp Draw: 8 amps (per speaker)



Back

MOTORCYCLE SIREN

- Wail, Yelp, Air Horn, Phaser, and Manual
- Self-resetting circuit protection against speaker shorts
- Positive or negative switching for Auxiliary and Park Kill inputs
- Drives one 100 watt speaker
- Auxiliary input
- 21 optional tones

- Optional hands free cyclor mode
- Replaceable jumpers for option selections
- High voltage shutdown protection
- Ships complete with positive locking connector, mic. clip, hardware, and instructions
- See pages 51 - 52 for Specifications

SS651MT-013



SS651MT-013

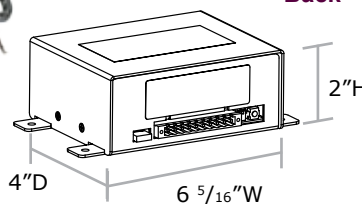
Model Number

SS651MT-013

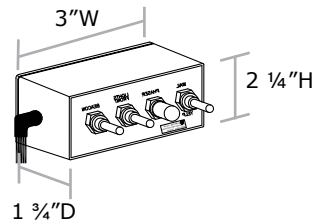
013 - Revision year, MT - Motorcycle mount, SS - Siren

Voltage: 10-16V DC

Amp Draw: 8 amps

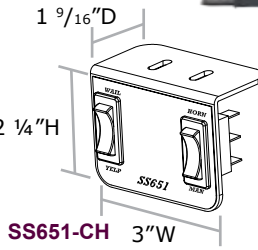
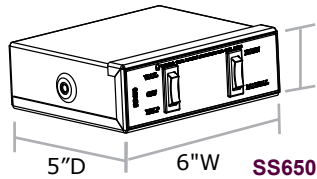
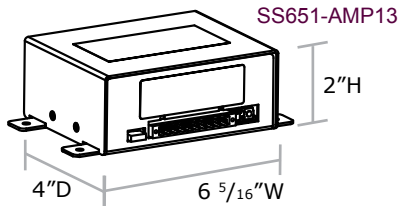


Back



- Wail, Yelp, Air Horn, Phaser, and Manual
- Self-resetting circuit protection against speaker shorts
- Positive or negative switching for Auxiliary and Park Kill inputs
- Combines small size with big power
- Updated rugged amplifier design
- 21 programmable siren tones (Simulated mechanical wail and manual, eight air horn tones)
- New connector requires no special terminals
- Retrofit any old siren harness install with a wire stripper and screw driver
- Ideal for volunteers and vehicles with limited mounting space

- Drives one 100 watt speaker
- Ships complete with positive locking connector, mic. mounting bracket, hardware, and instructions
- Auxiliary enable can be used to enable a siren/air horn tone; or for duplexed hands free tone cycling
- Dip switches and push button for option selection
- High and low voltage shutdown protection
- Diagnostics LED
- Built-in fuse
- See pages 51 - 52 for Specifications



SS651 - Back



SS650-013

Model Numbers

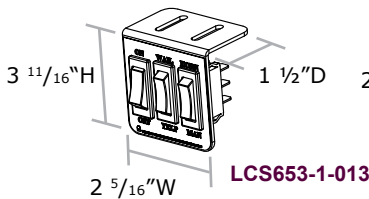
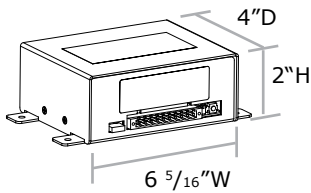
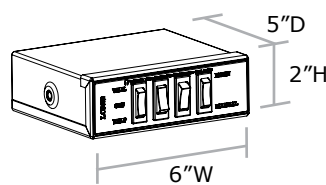
SS650-013 SS651-013

650 - Siren with switches, 651 - Siren with a remote switch panel, SS - Siren

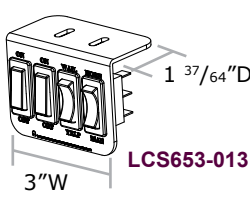
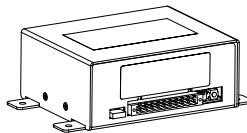
Voltage: 10-16V DC
Amp Draw: 8 amps



LCS652-013



LCS653-1-013



LCS653-013



LCS653-013

Model Numbers

LCS652-013 LCS653-013 LCS653-1-013

1 - Siren with a three switch panel, 013 - Rev, 652 - Siren with switches, 653 - Siren with a four switch panel, LCS - Light control siren

Features

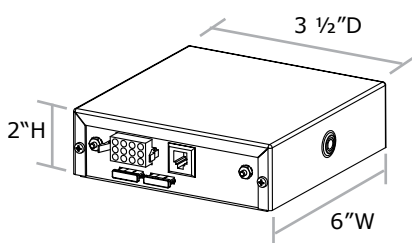
- Flexibility to control lighting or other auxiliary functions
- Two 15 amp on/off rocker switches

Voltage: 10-16V DC
Amp Draw: 8 amps (per speaker)

SIRENS

- Hand held PA microphone including Air Horn and Auxiliary functions
- Rotary thumb wheel off/on/volume control switch
- LED indicators for Power and Auxiliary function
- Self-resetting circuit protection against speaker shorts
- Positive locking wiring harness included
- Replaceable jumpers for option selection

- Remote Air Horn input with positive and negative switching
- High and low voltage shutdown protection
- Standard microphone clip mounting included
- Drive on 100 watt speaker
- See pages 51 - 52 for Specifications



Back

Voltage: 10-16V DC
Amp Draw: 8 amps

LCS600



Model Numbers

LCS600

LCS - Light control siren

FULL FEATURE SIRENS

- Positive or negative switching for Auxiliary and Park Kill inputs
- Four position progressive slide switch with LED indicators
- Integrated public address microphone
- LED speaker diagnostics
- LED speaker diagnostics allow quick troubleshooting
- 7 position rotary function knob; manual and horn push buttons (wail, yelp, air horn, phaser, manual, and two-tone)
- Radio and PA volume adjustable from front of siren

- Built-in siren fuse
- Combined on/off switch and PA volume knob
- Horn ring transfer relay built-in
- Auxiliary can be used to enable siren/horn tone or for hands free tone cycling High and low voltage shutdown protection
- Drives one or two 100 watt speakers
- Self resetting circuit protection against speaker shorts
- See pages 51 - 52 for Specifications



LCS770

Model Number

LCS770

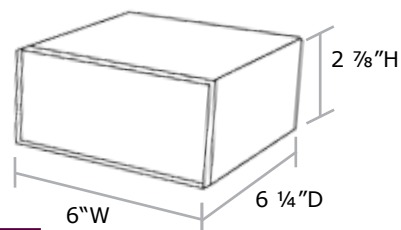
LCS - Light control siren

Features

- Controls up to seven different lights/functions
- Wail, Yelp, Phaser, Two-Tone, Manual, and Air Horn
- Replaceable jumpers for option selection
- Four push button switches dual color illuminated (Amber and Red)
- Gun Lock switch option
- Ships complete with positive locking connector, mic clip, mounting bracket, 30 standard function replacement labels, hardware, and instructions



Back



Voltage: 10-16V DC
Amp Draw: 8 amps (per speaker)



LCS771

Model Number

LCS771 LCS771-28 LCS771-LM

28 - 28 volt, LCS - Light control siren, LM - Less mic

Features

Audio

- 26 programmable siren tones including: two approved yelp tones, simulated mechanical wail and manual, eight air horn tones
- Controls up to 9 different lights/functions
- Ability to run at 100 or 200 watts for extended periods of time
- Push button on the back and ten dip switches allow the user to customize the unit
- Requires no special terminals making it easy to retrofit any old siren harness install with only wire strippers and screw drivers
- Remote P.A. microphone mount

Lighting

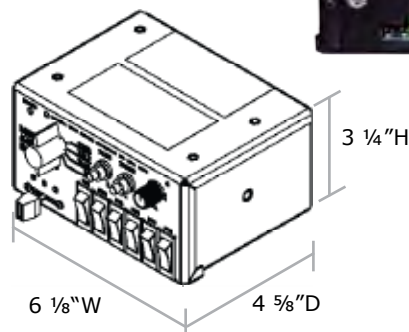
- Three position slide switch (20 amps each)
- Six lit rocker switches for additional lighting control (20 amps each)
- Programmable pursuit audio
- Programmable progressive/non-progressive slide switch lighting
- Reverse polarity protected
- Ships complete with positive locking connector, mounting bracket, hardware, and instructions



LCS771-LM



Back

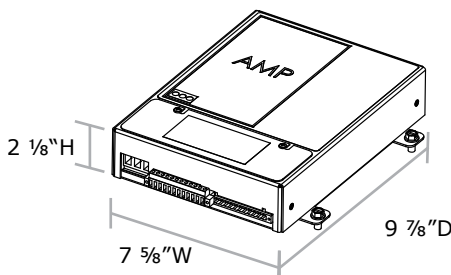


Voltage: 10-16V DC
Amp Draw: 8 amps (per speaker)

DUAL-TONE FULL FEATURE REMOTE SIRENS

- USB Windows interface helps you configure and save options for later use (Buttons, Audio, slide switch, Park Kill, Traffic Director, Steering wheel horn function)
- Gun Lock with option for password enable or ignition enable
- LED diagnostics: Speaker drivers active, over/under voltage, speaker shortage, and Park Kill active
- Wail, Yelp, Phaser, Two-tone, Manual, Air horn, and Rapid air horn
- Integrated PA microphone with user adjustable volume at control head

- Euro style connectors allow for quick and easy installation
- Dual color back lighting on keypad (Green and Red)
- Built in horn ring transfer (HRT)
- Dual 100 watt outputs (200 watts total)
- 10 outputs, fused at 20 amps each (three slide switch, seven push button)
- Flange or flush mount models
- See pages 51 - 52 for Specifications



- Buttons**
 - Normally open/closed, on at power up, latched/momentary, gun lock, security gun lock, flashing
- Audio**
 - Air Horn and PA only mode, programmable user lock out, disable Phaser, select alternate tones
- Slide Switch**
 - Any siren tone, Traffic Director, and or output can be programmed to come on with any slide switch position, progressive or not
- Park Kill**
 - Deactivates audio or selected lights
- Traffic Director**
 - Programmable to work with most Traffic Director sticks
- Steering Wheel Horn Function**
 - Programmable HRT activation, Air Horn, Manual ramp down, Manual ramp and stop
- Control Head**
 - Remote mount user interface is only 1 1/8" thick
 - Connected via single modular jack
 - User interface features a 14 button programmable, dual color, lighted key pad with user selectable label inserts
 - 4 position slide switch with LED indicators
 - 8 LED Traffic Director function indicator
 - Status indicator LEDs
 - Slide Switch provides three programmable functions for the quick control of a full featured light bar or other devices
 - Heard loud and clear with the attached noise cancelling PA microphone, volume adjustable from the control head
- LCS Amplifier Box**
 - Outfitted with 20 amp screw lock Euro connectors for easy and secure install
 - Main power is run through a three terminal screw down Euro block capable of accepting up to 8 awg wires
 - Fuses and option switches are easily accessible by removing an access plate
 - Three basic functions (dual-tone amplifier, Traffic Director, lighting outputs)
- Dual-Tone Siren Amplifier**
 - Two independent 100 watt siren amplifiers in a single box
 - Provides both redundancy and an extremely intimidating sound
 - Makes a single vehicle sound like a whole fleet
 - Programmable siren tones
- Traffic Director**
 - Can be programmed to control either an 8 or 6 wire ground
 - Side switched Traffic Director or a 3 or 4 wire logic controlled Traffic Director
- Lighting Output**
 - Ten fused 20 amp lighting outputs
- External Triggers**
 - Four programmable inputs (Auxiliary, Park Kill, Gun Lock, Night mode (dim)), optional positive or negative switching for Auxiliary and Park Kill

LCS850MG12



without flange



with flange



Model Number

LCS850MG12 LCS850MG-F

12 - Revision, F - Flange, LCS - Light control siren, MG - Magnum

Features

- Combines a full feature, dual tone output 200 watt siren with 18 output light and Traffic Director control system
- Designed to allow the end user many possible configurations while allowing for a simple and reliable install
- Ships complete with 8' of color coded wire for the audio control, 2' of 8 awg power wires, 25' communication cable, instruction manual, screw lock connectors, mic. clip, mounting bracket and mounting hardware
- 0mA standby current, will not drain the battery
- Over/under voltage and reverse polarity protection
- Independently fused outputs

I/O lines are RFI protected

- Large input filter capacitor eliminates RFI
- Customizable user interface
- Magnetically isolated two-way radio repeat input
- Self resetting circuit protection against speaker shorts

Voltage: 10-16V DC

Amp Draw: 8 amps (per speaker)

FULL FEATURE REMOTE SIRENS

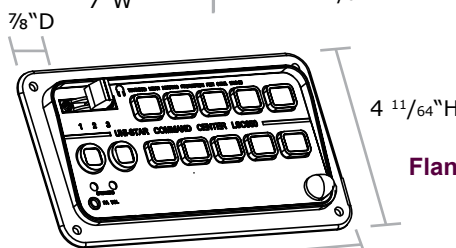
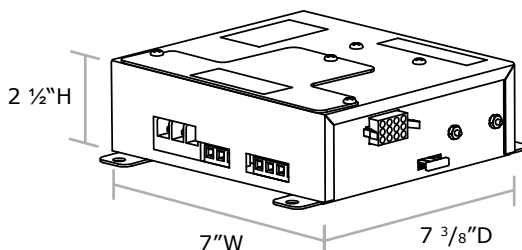
- LED speaker diagnostics
- Wail, Yelp, Air Horn, Phaser, Manual, and Two-Tone
- Self-resetting circuit protection against speaker shorts
- Integrated PA microphone
- Dual-Color back lighting on keypad (Red and Green)
- Park Kill input
- Auxiliary input
- Positive locking wiring harness included

- Four position progressive slide switch with LED indicators
- Over a dozen installer selectable options
- Positive or negative switching for Auxiliary and Park Kill inputs
- High and low voltage shutdown protection
- Trunk mount amplifier
- 30 standard function replaceable labels
- Drives one or two 100 watt speakers
- See pages 51 - 52 for Specifications

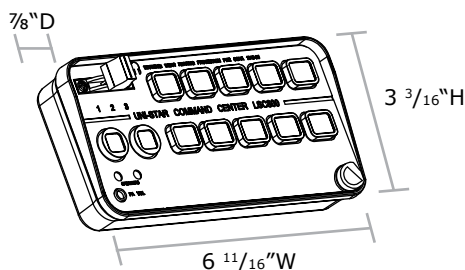
LCS800, LCS850



LCS800



Flange Mount



Flangeless

Model Numbers

LCS800-008 LCS800-8F LCS850-8 LCS850-8F

800 - Siren with light hook up, 850 - Siren with light and arrow stick controller, F - Flange, LCS - Light control siren

Features

- Controls up to eight light functions
- Universal mounting bracket or flange mount available
- Ships complete with wire harness with positive locking connector, mic. clip, mounting bracket, hardware, and instructions

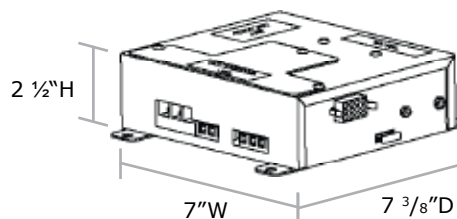
Voltage: 10-16V DC

Amp Draw: 8 amps (per speaker)

LCS880, LCS881



LCS880



LCS880 and LCS881

Model Numbers

LCS880-008 LCS881-008

880 - Siren and light controller with hand held control head,
881 - Siren and light controller with hand held control head with arrow stick

Features

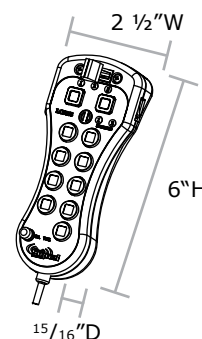
- New ergonomic design
- Can control up to seven light functions
- Hand piece cradle for mount or Velcro™ for concealed mounting
- Ships complete with wire harness with positive locking connector, hand piece cradle, hardware, and instructions

Voltage: 10-16V DC

Amp Draw: 8 amps (per speaker)



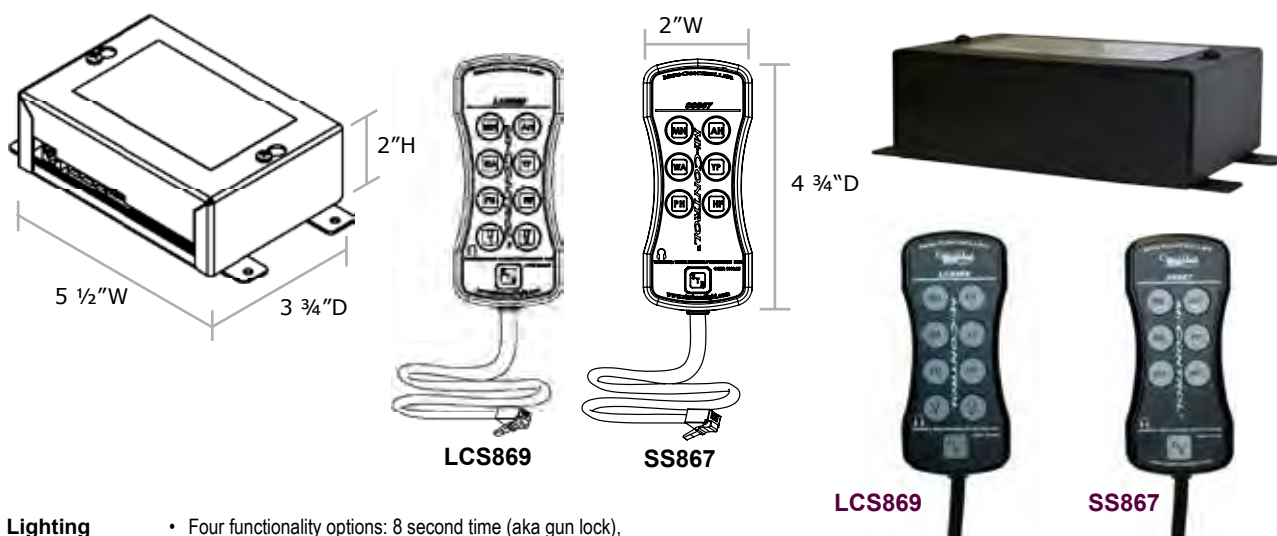
LCS880-CH8



LCS881-CH8

- Mi-Control™ Series Sirens are ideal in situations where the need for high performance features meet limited space
- Mini-Siren controllers are compact yet packed with useful features that will satisfy technical enthusiasts

- Choose the Mi-Control™ SS867 for full feature siren control or Mi-Control™ LCS869 for full feature light and siren control combination
- See pages 51 - 52 for Specifications



Lighting Features

- Four functionality options: 8 second time (aka gun lock), momentary, normally closed, or standard (push on/push off)
- Two outputs, max 30 amps per output and total for system

Kit Includes

- Amplifier box
- Control head with 10" of attached cable
- 49 changeable button labels
- Instructions
- Velcro™ for optional dash mounting

Siren Features

- Eight Air Horn tones
- 21 optional siren tones including simulated mechanical and manual wail
- Auxiliary horn input (positive or negative input)
- "Hands Free" three tone cycle (tone 1, tone 2, tone 3, off)
- Programmable Air Horn tones only mode (locks out siren tones)

Model Number

LCS869 SS867

LCS - Light control siren, **SS** - Siren

General Features

- Over voltage, under voltage, speaker short protection, and visual feedback
- 49 changeable button labels
- All buttons back lit by Green off/Red on LEDs
- Dimmable button pressed feedback (adjustable volume)
- All off/stand-by button

Voltage: 10-16V DC
Amp Draw: 8 amps

| Model # | Voltage | Amp draw per speaker | Output (watts) | Frequency | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals * = when used with SVP drivers and approved tones ** = Exceeds acoustical and environmental requirements † = Exceeds acoustical requirements |
|-----------------------|-----------|----------------------|------------------------------|------------|---------------|--------------------------------------|---|
| LCS600 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 5 | 1 | N/A |
| LCS652-013 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 3.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| LCS653-013 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 3.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| LCS770 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 7 | 1 | † SAE J1849, CA Title 13 Class A* |
| LCS771 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 6 | 1 | † SAE J1849, CA Title 13 Class A* |
| LCS800-008, LCS800-8F | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 8.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| LCS850-8, LCS850-8F | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 9.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| LCS850MG12 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 7 | 1 | † SAE J1849, CA Title 13 Class A* |
| LCS869 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 2.5 | 1 | † SAE J1849, CA Title 13 Class A* |
| LCS880-008 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 8.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| LCS881-008 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 9.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| SS650 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 3.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| SS651 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 3.5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| SS651MT-013 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 3.5 | 1 | † SAE J1849, CA Title 13 Class A* |
| SS670-013 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 5 | 1 | ** SAE J1849, CA Title 13 Class A* |
| SS700-016 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 6 | 1 | ** SAE J1849, CA Title 13 Class A*, AMECA listed |

SIRENS

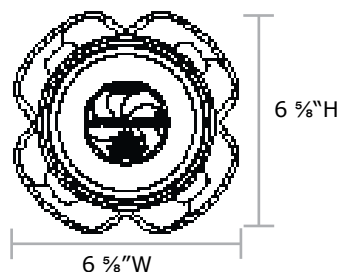
| Model # | Voltage | Amp draw per speaker | Output (watts) | Frequency | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals * = when used with SVP drivers and approved tones ** = Exceeds acoustical and environmental requirements † = Exceeds acoustical requirements |
|--------------|-----------|----------------------|------------------------------|------------|---------------|-----------------------------------|---|
| SS700-016-28 | 19-32V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 6 | 1 | ** SAE J1849, CA Title 13 Class A*, AMECA listed |
| SS730 | 10-16V DC | 8 | 100 or 200 (1 or 2 speakers) | 675-3000Hz | 6.5 | 1 | ** SAE J1849, CA Title 13 Class A*, AMECA listed |
| SS741MG-11 | 10-16V DC | 8 | 200 (2 speakers) | 675-3000Hz | 9 | 1 | ** SAE J1849, CA Title 13 Class A*, AMECA listed |
| SS867 | 10-16V DC | 8 | 100 (1 speaker) | 675-3000Hz | 2.5 | 1 | † SAE J1849, CA Title 13 Class A* |

CYCLONE SPEAKERS

- Patented Cyclonic Expansion Chambers (Patent #8,265,320 B2 D615,443S)
- Ultra compact design - only 3" deep
- Rugged glass filled nylon housing - will not rust!
- User replaceable rear facing driver
- Eighteen mounting bracket options available
- See page 53 for Specifications



D-44-16



| | | | | | |
|----------------|---|-----------------|--|-------------------|--|
| D-44 | Speaker only | D-44-21 | Universal two piece adjustable bracket | D-44-33 | '10 - '16 Dodge Durango |
| D-44-16 | Universal "L" bracket '04 - '05 Dodge Durango '01 Ford Taurus '02 - '09 Ford Explorer '04 - '09 GMC Envoy '02 - '13 Chevrolet Avalanche '02 - '09 Chevrolet Suburban '04 - '06 Chevrolet Tahoe | D-44-22L | '08 - '09 Ford F-Series Super Duty, driver side | D-44-34 | '10 - '16 dual bracket for Inspector SUV |
| D-44-17 | Center mount bracket '03 - '11 Ford Crown Victoria | D-44-22R | '08 - '09 Ford F-Series Super Duty, passenger side | D-44-35 | '15 - '16' single bracket for Chevy Tahoe and Suburban, D-44 |
| D-44-18 | '07 - '15 Chevrolet Suburban '07 - '15 Chevrolet Tahoe | D-44-23 | '08 - '15 E-350/450 | D-44-36 | '15 - '16' dual bracket for Chevy Tahoe and Suburban, D-44 |
| D-44-19 | '06 - '13 Chevrolet Impala | D-44-24 | '07 - '15 Ford Expedition | D-44-FIS | '10 - '16 Ford Interceptor Sedan, Direct Plug-n-Play |
| D-44-20 | '06 - '10 Dodge Charger | D-44-27 | '11 - '16 Dodge Charger | D-44-FISUV | '10 - '16 Ford Interceptor SUV, Direct Plug-n-Play |
| | | D-44-28 | '10 - '16 Ford Taurus | | |
| | | D-44-29 | '11 - '15 Ford F350 | | |
| | | D-44-30 | '11 - '15 Dodge 4500 | | |
| | | D-44-31 | '11 - '16 Chevrolet Caprice | | |
| | | D-44-32 | '11 - '16 dual bracket for Dodge Charger | | |

SPEAKER LIGHT COMBO

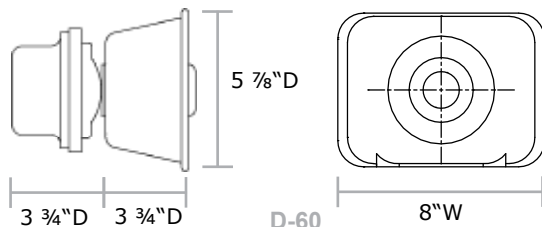
- Single piece design allows for quick and easy installation
- 2015-2016 Chevy Tahoe
- D-44 and tow VersaStar® series lights (DLX3, DLX4, DLX6F)
- Bracket also available separately as a SPBRK-44-2VER-45



Model Numbers

D-44-DLX4-35-RB **D-44-DLX4-35-CUST**
RB - Red/Blue, **CUST** - Custom color combination

- D-60** Most popular, ABS plastic housing
- D-60C** High visibility, high gloss electro polished aluminum housing
- D-60LP** Low profile mounting, ABS plastic housing
- D-60-RBS** Compact for motorcycles, high gloss electro polished aluminum housing
- D-60-RBB** Compact for motorcycles, ABS plastic housing
- D-30** Concealed, narrow space mounting, steel housing
- D-10** Wide angle sound distribution, fiberglass housing
- D-2000** Lightbar speaker, ABS housing



All StarSignal® speakers are 100 watt, 11 ohms, and include a low profile driver, mounting brackets, hardware, and instructions.

STEERING WHEEL CONTROL MODULE

- Interface control module provides quick and easy connections to Ford and Dodge Charger steering wheel push buttons
- Can be used in conjunction with a siren that has light control functionality such that the connected devices can be controlled by either the steering wheel controls "or" the siren controls
- No output fuses required
- Programmable "Progressive" lighting on PB 4
- Siren inputs are feedback protected (i.e. steering wheel activation of that output does NOT send power back to the siren input)
- Four outputs (lights, horns, etc.)
- 10A per output
- See below for Specifications

Formally known as BBK-FORD (for Ford or Dodge Charger)



| Model # | Input Voltage | Power | Impedance | Weight (lbs.) | Warranty (years) Refer to page 61 | Approvals * = SAE J1849 and Title 13 when used with Star siren |
|-----------------|---------------|----------------------|-----------|---------------|--------------------------------------|---|
| BBK-FDCH | 10-16V DC | 10 amps (per output) | N/A | 1 | 1 | N/A |
| D-10 | 32V RMS | 100 watts | 11 ohm | 12 | 1 | Meets or Exceeds Acoustical requirements* |
| D-2000 | 32V RMS | 100 watts | 11 ohm | 5 | 1 | Meets or Exceeds Acoustical requirements* |
| D-30 | 32V RMS | 100 watts | 11 ohm | 12 | 1 | Meets or Exceeds Acoustical requirements* |
| D-44-* | 32V RMS | 100 watts | 11 ohm | 8 | 1 | Meets or Exceeds Acoustical requirements*, Meets or Exceeds Environmental requirements of SAE J1849 |
| D-44-DLX4-35-** | 32V RMS | 100 watts | 11 ohm | 10 | 1 | Meets or Exceeds Acoustical requirements*, Meets or Exceeds Environmental requirements of SAE J1849 |
| D-60 | 32V RMS | 100 watts | 11 ohm | 8.5 | 1 | Meets or Exceeds Acoustical requirements*, Meets or Exceeds Environmental requirements of SAE J1849 |
| D-60C | 32V RMS | 100 watts | 11 ohm | 9 | 1 | Meets or Exceeds Acoustical requirements* |
| D-60LP | 32V RMS | 100 watts | 11 ohm | 8.25 | 1 | Meets or Exceeds Acoustical requirements* |
| D-60RBB | 32V RMS | 100 watts | 11 ohm | 8.5 | 1 | Meets or Exceeds Acoustical requirements* |
| D-60RBS | 32V RMS | 100 watts | 11 ohm | 8.5 | 1 | Meets or Exceeds Acoustical requirements* |

STAR ALARM® BACK-UP ALARMS

- CRS Technology™ incorporates a compact rear-facing speaker with heavy duty housing to provide one of the most reliable sound chambers in the industry
- Design almost completely protects the speaker from the damage caused by high pressure spray, dirt, and fine dust!
- Built for long term reliability
- Beep rate of approximately 60 per minute
- Convenient compact size available in a range of decibel options
- Perfect for a wide range of vehicle applications
- Glass reinforced nylon housing
- Weight - 2 lbs.
- Amp draw - 0.3 amps
- Industry standard mounting
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA
- Patent (#8,669,852)

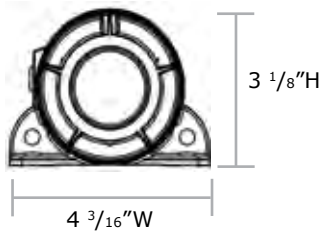
66 CRS



66 Series



66L Series



Model Numbers

66 66L

66 - Two-wire, 66L - With lugs

| Audio Tone | Description |
|------------------------|---|
| Standard Beep | Standard single tone, familiar and widely recognized "reverse" tone |
| Dual Tone "DT" | Constant emission of sound by switching between two sounds |
| Functionality | Description |
| Dual Function "DF" | Alarm can beep in standard single tone, then by applying voltage to a third wire have the tone change to a two tone |
| Selectable decibel "S" | Select between two loudness levels by applying voltage to a third wire |
| Auto Adjust "A" | Automatically selects its volume based on the environment within its listed operating range |

Standard Alarms

| Model # | Voltage | Decibels | Approvals |
|-----------|-------------|----------|-----------|
| 66-087 | 12 - 36V DC | 87 db | SAE J994 |
| 66-097 | 12 - 36V DC | 97 db | SAE J994 |
| 66-097-12 | 12V DC only | 97 db | SAE J994 |
| 66-102 | 12 - 36V DC | 102 db | |
| 66-107-12 | 12V DC only | 107 db | SAE J994 |
| 66-107-24 | 24V DC only | 107 db | SAE J994 |

Dual Tones

| Model # | Voltage | Decibels |
|-----------|-------------|----------|
| 66-097DT | 12 - 36V DC | 97 db |
| 66-102DT | 12V DC only | 102db |
| 66L-097DT | 12 - 36V DC | 97 db |
| 66L-102DT | 12V DC only | 102db |

Starmatic Auto Adjust

| Model # | Voltage | Decibels |
|------------|-------------|-------------|
| 66-707A | 12 - 24V DC | 77 - 97 db |
| 66-802A | 12 - 24V DC | 82 - 102 db |
| 66-807A | 12V DC only | 87 - 107 db |
| 66-807A-24 | 24V DC only | 87 - 107 db |
| 66L-707A | 12 - 24V DC | 77 - 97 db |
| 66L-802A | 12 - 24V DC | 82 - 102 db |
| 66L-807A | 12V DC only | 87 - 107 db |

Selectable

| Model # | Voltage | Decibels |
|---------|-------------|--------------|
| 66-802S | 12 - 36V DC | 87 or 102 db |
| 66-907S | 12V DC only | 97 or 107 db |

Dual Function

| Model # | Voltage | Decibels |
|----------|-------------|----------|
| 66-097DF | 12 - 36V DC | 97 db |

Alarms with attached lugs only

| Model # | Voltage | Decibels | Approvals |
|------------|-------------|----------|-----------|
| 66L-087 | 12 - 36V DC | 87 db | SAE J994 |
| 66L-097 | 12 - 36V DC | 97 db | SAE J994 |
| 66L-097-12 | 12V DC only | 97 db | SAE J994 |
| 66L-102 | 12 - 36V DC | 102 db | |
| 66L-107-12 | 12V DC only | 107 db | SAE J994 |
| 66L-107-24 | 24V DC only | 107 db | SAE J994 |

- Combines the familiar sound of a traditional warning alarm with a specially designed composite buzz tone to provide the ultimate audible warning power
- Superior performance and protection from damage to the speaker due to its reverse mounted speaker
- Spectrum uses a narrow array of frequencies resulting in a robust tone that is more easily tracked and universally recognized
- Industry standard mounting
- Patent (#D639,688S)

- Individually programmed through a proprietary fixture that incorporates the optimal base frequency into each alarm
- Night Silent feature will mute the sound at night, where nighttime sound level ordinances are a consideration
- Weight - 2 lbs.
- Amp draw - 0.3 amps
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA

Standard Alarms

Multi frequency tone

| Model # | Voltage | Decibels |
|----------|-------------|----------|
| 66-087SS | 12 - 36V DC | 87 db |
| 66-092SS | 12 - 36V DC | 92 db |
| 66-097SS | 12 - 36V DC | 97 db |

Alarms with lugs only

| Model # | Voltage | Decibels |
|-----------|-------------|----------|
| 66L-097SS | 12 - 36V DC | 97 db |

Night Silent: Spectrum tone, third wire disable

| Model # | Voltage | Decibels |
|------------|-------------|----------|
| 66-087SSNS | 12 - 36V DC | 87 db |
| 66-097SSNS | 12 - 36V DC | 97 db |

Night Silent: third wire disable when 12V DC applied

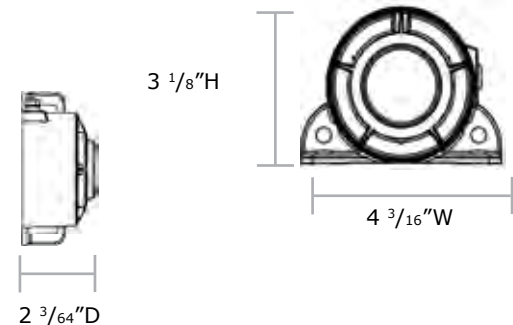
| Model # | Voltage | Decibels |
|----------|-------------|----------|
| 66-087NS | 12 - 36V DC | 87 db |
| 66-097NS | 12 - 36V DC | 97 db |
| 66-102NS | 12 - 36V DC | 102 db |



66 Series



66L Series



Model Numbers

66 66L

66 - Two-wire, 66L - With lugs

Audio Tone

Spectrum "SS"

Description

Offers a composite of multiple tones. It differentiates itself from the standard alarm tone while being perceived as more attention getting. It may also be required by some local regulations. Similar tones from other manufacturers are called "white noise" or "multi frequency" our alarm has tighter frequency range than some other alarms on the market, so that it has more universally recognizable warning tones.

Functionality

Night Silent "NS"

Description

Can disable the alarm by applying voltage to a third wire (required in some jurisdictions)

SWITCH PANELS AND SWITCH BOXES

- Switch boxes to control your Star lightbar or any other function of your choice
- All switches are illuminated

- Legends are back lit for easy night usage
- Ships complete with legends, mounting brackets, hardware, and instructions

SB4020, SB4040 KITS



SB4020



SB4020T



SB4040



SB4425T

Model Number

SB4020 SB4020T SB4040-15

SB4020-15 SB4040 SB4425T

15 - 15' wire harness, 20 - 20 amp fuses, 40 - 40 amp fuses, SB - Switch box, T - Terminal block

- SB4020** (1) 40 amp switch, (5) 20 amp switches, 2' wire harness
- SB4020-15** (1) 40 amp switch, (5) 20 amp switches, 15' wire harness
- SB4020T** (1) 40 amp switch, (5) 20 amp switches, nine position terminal block
- SB4040** (4) 20 amp switch, (1) three mode 40 amps (max), progressive slide switch for guide activation, 2' wire harness, customer adjustable jumper (1 and 2 work independently)
- SB4040-15** (4) 20 amp switch, (1) three mode 40 amps (max), progressive slide switch, 15' wire harness
- SB4425T** (1) on/off master power switch (switches 2-5), (4) 40 amp switches, (5) 20 amp switches, twelve position terminal block

| Part Number | Dimensions | Weight |
|--------------------------------------|-----------------------------|--------|
| SB4020, SB4020-15, SB4040, SB4040-15 | 2"H x 6"W x 4 3/4"D | 5 lbs. |
| SB4020T | 2 1/4"H x 6 1/8"W x 5 1/4"D | 5 lbs. |
| SB4425T | 2 1/2"H x 6 1/4"W x 7 1/4"D | 5 lbs. |

SP3860 Switch Panels SB/SP1515, SB/SP3015



SB3015



SP1515

Model Number

SB1515 SB3015 SP1515 SP3015

15 - 15' wire harness, 30 - 30 amp fuses, SB - Switch box, SP - Switch panel

Features

- Can be mounted under the dash or on the transmission tunnel of the vehicle
- SB1515 and SB3015 are enclosed switch boxes
- SP1515 and SP3015 are not enclosed
- Illuminating switches and are equipped with individual fused circuits

- SB1515** Enclosed switch box with (4) 20 amp switches
- SP1515** Switch panel with (4) 20 amp switches
- SB3015** Enclosed switch box with (1) 30 amp switch, (3) 20 amp switches
- SP3015** Switch panel with (1) 30 amp switch, (3) 20 amp switches

| Part Number | Dimensions | Weight |
|----------------|---------------------|--------|
| SB1515, SB3015 | 2"H x 4 1/2"W x 4"D | 2 lbs. |
| SP1515, SP3015 | 2"H x 4 1/2"W x 4"D | 4 lbs. |



SP3860-1



SP3860-2
SP3860-2H

Model Number

SP3860-1 SP3860-2MH SP3860-4

SP3860-2 SP3860-3 SP3860-4H

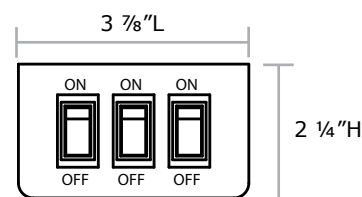
SP3860-2H SP3860-3H SP3860-5

1 - One switch, 2 - Two switches, 3 - Three switches, 4 - Four switches, 5 - Five switches, H - High/low, MH - Momentary switch for mini-bars only, SP - Switch panel

Features

- Easily mounted under the dash
- Illuminating switching and pre-wired with an in-line fuse for easy installation

- SP3860-1** On/Off
- SP3860-2** On/Off, On/Off
- SP3860-2H** On/Off, High/Low
- SP3860-2MH** On/Off, Momentary
- SP3860-3** On/Off, On/Off, On/Off
- SP3860-3H** On/Off, High/Low, On/Off
- SP3860-4** On/Off, On/Off, On/Off, On/Off
- SP3860-4H** On/Off, High/Low, On/Off, On/Off
- SP3860-5** On/Off, On/Off, On/Off, On/Off, On/Off



SP3860-3

- FM3662** 12V DC solid state flasher for up to 100 watts per side
Flash Rate: 2.4 flashes per second, per lamp
- FM3666** 12V DC mechanical flasher
Flash Rate: 1.2 flashes per second, per lamp
- FM3667** 12V DC solid state flasher for back-up/brake light, 60 watt per output
Flash Rate: 2.4 flashes per second, per lamp
- FM3669C** DRL compatible headlight flasher, 12V DC solid state flasher for up to 110 watts per side, night time cut off, disables factory installed DRL function
Flash Rate: 7 patterns to choose from ranging from 0.8 to 3.6 flashes per second
- FM6901** 12V DC solid state flasher, alternately flashes headlights, high beam override and night time cut off, handles up to 150 watts per output
Flash Rate: 1.9 flashes per second, per lamp
- FM6902** 12V DC solid state flasher, alternately flashes headlights, high beam override and night time cut off, handles up to 150 watts per output
Flash Rate: 2.9 flashes per second, per lamp
- FM6903** 12V DC solid state flasher, simultaneously flashes headlights, high beam override and night time cutoff, handles up to 150 watts per output
Flash Rate: 2.9 flashes per second, per lamp
- FM6904** Flashes left headlight three times, flashes right headlight three times, then flashes both headlights together three times, handles up to 150 watts per output
Flash Rate: 2.9 flashes per second, per lamp
- FM6905** Ford Crown Victoria Police Package, 2006 and newer, 12V DC solid state flasher, high beam override and night time cut off, handles up to 110 watts per output, Plug-n-Play
Flash Rate: 7 patterns to choose from, ranging from 0.8 to 3.6 flashes per second
- FM6906** Chevrolet Impala Police Package, 2006 and newer, 12V DC solid state flasher, alternately flashes headlights, high beam override, handles up to 110 watts per output, Plug-n-Play
Flash Rate: 3.0 flashes per second, per lamp
- FM6907** Chevy Caprice Police Package, 2011 and newer, 12V DC solid state flasher, 110 watts per output, Plug-n-Play
Flash Rate: 3.0 flashes per second, per lamp
- FM6908** Headlight flasher for vehicles with isolated high beams (Chrysler product), hardwired 12V DC solid state flasher, 110 watts per side
Flash Rate: 7 patterns to choose from ranging from 0.8 to 3.6 flashes per second
- FM6909** Chevy Tahoe Police, 2007 and newer, high beam override (disables flasher when high beams are activated), less than 10mA stand-by current, 12V DC input solid state flasher
Flash Rate: 110 watts per output, 3.0 flashes per second



FM3666



FM3669C



FM6904



FM6907

HALOGEN DASH LIGHTS



1188HM

Model Numbers

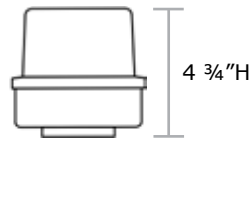
1188H 1188HM

M - Magnet mount

Features

- Most compact portable emergency dash light
- A 27 watt halogen bulb combined with a highly polished reflector gives this light a high intensity flash
- See below for Specifications

Lens Colors

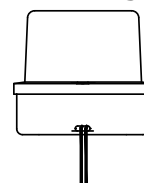


Voltage: 12V DC
Amp Draw: 2.1 amps

Replacement Parts (* = color)

Lens 396-
Bulb (halogen) 2073-H27
Cig. plug w/light on/off switch 176-SW
Vinyl shield 90075

Mounting



1166HM

Model Numbers

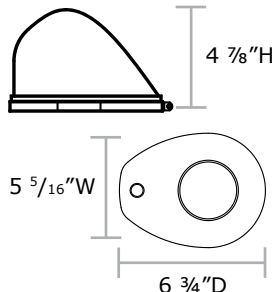
1166HM 1166IM

I - Incandescent, M - Magnet mount

Features

- Aerodynamic light is ideal for unmarked cars or volunteers
- 50 watt halogen bulb or 37.5 watt incandescent bulb available
- See below for Specifications

Lens Colors

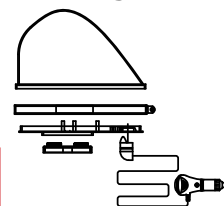


Voltage: 12V DC
Amp Draw: Incandescent - 3.0 amps, Halogen - 4.0 amps

Replacement Parts (* = color)

Lens 425-
Bulb (halogen) 2073-795X
Bulb (incandescent) 2073-1295
Cig. plug w/light on/off switch 176-SW
Vinyl shield 90059
Clamp ring 30165-2

Mounting



1169HM

Model Numbers

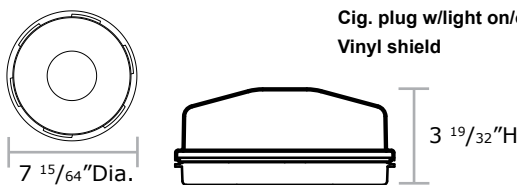
1169H 1169HM

M - Magnet mount

Features

- Low profile design, allowing it to fit under sloping windshields with minimum obstruction and visibility
- Wide angle reflector for longer flash duration and brighter pulse
- 60 lb. magnet pull
- See below for Specifications

Lens Colors

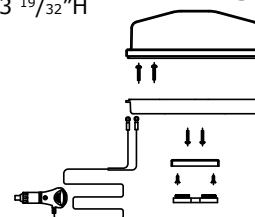


Voltage: 12V DC
Amp Draw: Halogen - 4.0 amps

Replacement Parts (* = color)

Lens 393-
Bulb (halogen) 2073-797
Cig. plug w/light on/off switch 176-SW
Vinyl shield 90068

Mounting



274-874 Suction Cup Bracket

Dimensions: 4"W x 11"D (adjustable plate)
Weight: 4 lbs.



274-878 Hotshot II Dash Bracket

Dimensions: 4 3/4"H x 10 3/8"W x 5"D
Weight: 4 lbs.



274-875 Universal Dash Bracket

Dimensions: 4 1/2"H x 11 3/4"W x 5 3/4"D
Weight: 4 lbs.

SPECIFICATIONS

| Model # | Voltage | Amp Draw | Weight (lbs.) | Warranty (years) Refer to page 61 |
|---------------|---------|----------|---------------|--------------------------------------|
| 1166IM | 12V DC | 3.0 amps | 2.5 | 1 |
| 1166HM | 12V DC | 4.0 amps | 2.5 | 1 |
| 1169H, 116HM | 12V DC | 4.0 amps | 2 | 1 |
| 1188H, 1188HM | 12V DC | 2.1 amps | 2 | 1 |

- SR7** Vertical mount two unit organizer, 12 1/2"H x 4 5/16"D
2 lbs.
- SR9** Vertical mount three unit organizer, 13 1/2"H x 4 5/16"D
2 lbs.
- SR10** Horizontal mount three unit organizer, 7"H x 12"D
2.5 lbs.
- SR12** Horizontal mount four unit organizer, 7"H x 14"D
2.5 lbs.
- 274-SL** Self-leveling bracket, 11"H x 4 1/4"D
9 lbs.
Two holes on 6 1/4" centers
- 274-SL1** Self-leveling bracket for Star Mini-Bars®, 11"H x 4 1/4"D
5 lbs.
Three holes on 5 3/4" centers
- 274-LMB** L-bracket for mirror blackout, 8"H x 8"W x 8"D
2 lbs.



MOUNT BOXES

- 121BX** Holds (1) 6" oval head, 3 3/4"H x 9"W x 3 1/2"D, 6 lbs.
- 122BX** Holds (2) 6" oval heads, 3 3/4"H x 17"W x 3 1/2"D, 9 lbs.
- 123BX** Holds (3) 6" oval heads, 3 3/4"H x 25 1/4"W x 3 1/2"D, 12 lbs.

Features

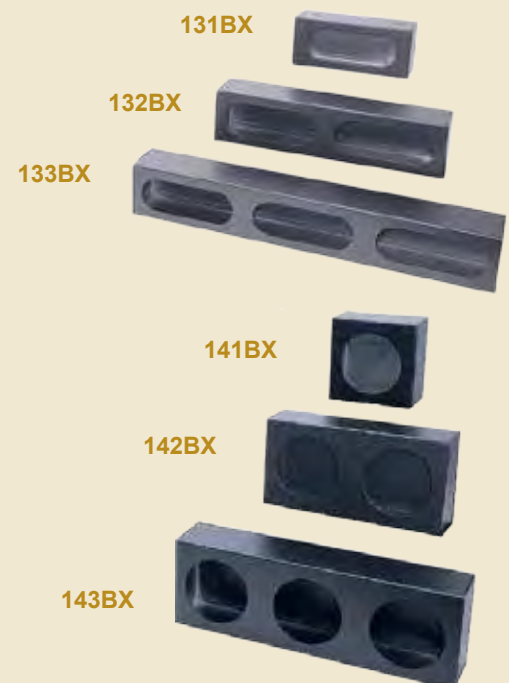
- Heavy steel mount boxes are shipped unpainted and ready to weld
- Optional self-leveling bracket assembly is available: 274-SBX



- 131BX** Holds (1) 6" oval head, 4"H x 9"W x 3 1/4"D, 2 lbs.
- 132BX** Holds (2) 6" oval heads, 4"H x 16 5/8"W x 3 1/4"D, 5 lbs.
- 133BX** Holds (3) 6" oval heads, 4"H x 25"W x 3 1/4"D, 8 lbs.
- 141BX** Holds (1) 4" round head, 6"H x 6 1/4"W x 3 1/2"D, 2 lbs.
- 142BX** Holds (2) 4" round heads, 6"H x 12 1/2"W x 3 1/2"D, 5 lbs.
- 143BX** Holds (3) 4" round heads, 6"H x 16 3/4"W x 3 1/2"D, 8 lbs.

Features

- Light gauge steel mount boxes are shipped with knockouts for mounting
- Optional self-leveling bracket assembly is available: 274-SBX
- Black powder coat



ACCESSORIES

63-642



500-J









- 63-642** Any direction switch for Back-Up Alarms, spring level activates alarm in any direction
- 63-643** Unidirectional switch for Back-Up Alarms, activates alarm in one direction only
- 500-J** Car Inspector Lantern with LED 2012 head, 7 1/8"H x 4 3/4"W x 6 3/4"D, 4 lbs. with battery



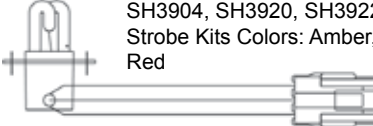
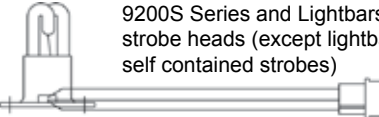

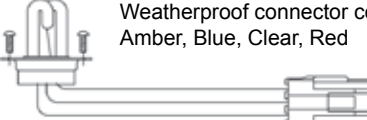
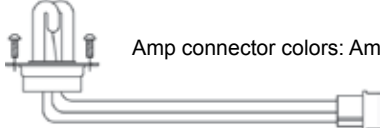
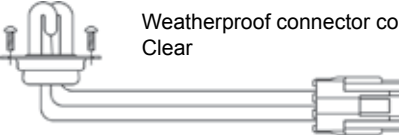

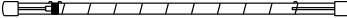
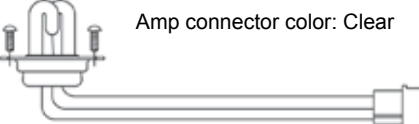
510-1M


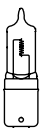


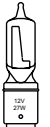






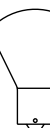
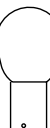




510-TK

- 510** Clear sealed beam, 2 lbs., 3000cp
- 511** Sealed beam with lens shield, 2 lbs., 3000cp, Lens colors:    
- 510-4509** Clear, high intensity sealed beam, 2 lbs., 3000cp
- 510-1** Clear sealed beam with on/off switch, 2 lbs., 3000cp
- 510-M** Clear sealed beam with magnet mount and cig. plug, 3 lbs., 3000cp
- 510-1M** Clear sealed beam with magnet mount and cig. plug and on/off switch, 3 lbs., 3000cp
- 511-1M** Clear sealed beam with magnet mount and cig. plug, 3 lbs. 3000cp, Lens colors:    
- 510-TK** A complete tow kit that includes two sealed beam lights with Red lenses, magnet mount, 30' cable, and connectors all shipped in an enclosed utility box, 8 lbs., 3000cp (x2)

STROBE TUBE AND BULB GUIDE

| | | | | | | | |
|---|--|---|-----------|--|--|--|----------|
|  | | SH3904, SH3920, SH3922, Four Corner Strobe Kits Colors: Amber, Blue, Clear, Red | ST3901 |  | | 9200S Series and Lightbars with 360° strobe heads (except lightbars with self contained strobes) | ST3901-7 |
|  | | | ST3901-12 |  | | Weatherproof connector colors: Amber, Blue, Clear, Red | ST413P-W |
|  | | Amp connector colors: Amber, Blue, Red | ST413P |  | | Weatherproof connector color: Clear | ST415P-W |
|  | | | SH3964 |  | | | SH3967 |
| | | | |  | | Amp connector color: Clear | ST415PC |

| | | | |
|--|---|---|---|
|  2073-795X 1166H, 20RH, 450AH, 9200H, 920-99, 920-51 |  2073-795X58 451AHF, 9216H, 9224H |  2073-797 1169H, 1169HM |  2073-H20-W24 |
|  2073-H27 1188H, 1188HM, Lower level bulb for Interceptor |  2073-H27-24V Lower level bulb, 24V for lightbars |  2073-H3-1 (12V) 2073-H3-2 (24V) 12V - 505HM, 24V - 505HM |  2073-H50S Lower level bulb for the 520-99 rotator |
|  2073-H50-W24 24V Halogen bulb 1166H, 20RH, 450AH, 9200H, 920-99, 920-51 |  2073-1142 TD77 Traffic Director |  2073-1157 920-32 (stop/tail/turn) |  2073-1195 1166, 20RI, 450A, 9200I |
|  2073-94 12V bulb 20RI, 20ZI, 20ZIM, 20FI, 20FI-I |  2073-FTEFG Razor alley light |  2073-59013 Starbar lightbar replacement alley light bulb | |

TERMS AND WARRANTY INFORMATION

Sales Policy

All Star Headlight & Lantern Co., Inc. products are sold through distributors. Possession of our catalog and/or price list does not constitute our offer to sell to or the right to purchase directly from Star Headlight & Lantern Co., Inc.

Returns

You must contact Star Headlight & Lantern Co., Inc. prior to return any merchandise. All returns require a Return Material Authorization (RMA) number. The RMA# must be clearly marked on the package and associated paperwork. All returned merchandise is subject to inspection. Any items returned for repair that are deemed to be out of warranty are subject to parts replacement cost. If a returned item is out of warranty, the sender will be notified prior to any work being performed with an estimated cost of repair. No repairs will be done until proper authorization is obtained from the sender. Any merchandise returned for restock/credit that is not in new and sale-able condition will be returned to the distributor issued and no credit will be issued. All items returned for restock are subject to a 15% restocking fee.

Installation

It is the sole responsibility of the owner to ensure their warning light is secure. Check the light every time you use the vehicle to ensure that it is mounted securely. Star Headlight & Lantern Co., Inc. assumes no responsibility for the secure mounting of this light on the roof of your vehicle with a magnet mount, take extreme care to ensure that the magnet is firmly seated on your roof, and that the pull of the magnet is sufficient to secure the light in place. As the composition of the metal in the roofs of different vehicles may vary, as well as the contour, texture and/or conditions, Star Headlight & Lantern Co., Inc. cannot guarantee the ability of any magnetically mounted light to remain in place upon a moving vehicle and it is done at the sole discretion of the owner.

Warranty

The manufacturer warranties each new product, under normal use, against factory defects in material and workmanship for one year and five years on LED components after the date purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, repair or replace at its option, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, bulbs, strobe tubes, domes, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in the manufacturer's judgment, the performance or reliability has been affected, or in any damage has resulted from abnormal use or service. This warranty does not apply to defect or damage occurring as a result of disaster, accident, abuse, misuse, lightning, power surges, or failure to follow enclosed manuals.

Any damage or defects occurring as a result of any unauthorized service or repairs by unauthorized persons shall be excluded from this warranty. There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including the cost of any labor, are not covered. The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured. This warranty gives you specific legal rights. You might also have additional rights which may vary from state to state. Some states do not allow limitations on how long and implied warranty lasts. Some states do not allow the exclusion or limitation of incidental damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

Notes

Bulbs and flash tubes are not covered under warranty. Speakers are not covered against water damage.

CAPABILITIES

Manufacturer of LED Warning Lights, Strobe Warning Lights, Halogen and Incandescent Warning Lights, Lightbars, Lanterns, Marker Lights, Switch Controllers, Sirens, Back-Up Alarms, Custom Wire Harnesses, and Mounting Brackets.



Production area



Plastic molding pellet silos provide ample raw material to meet any change in demand of molded product



**Metal stamping utilizing turret presses for flexibility and short run stamping
Punch press for larger runs**



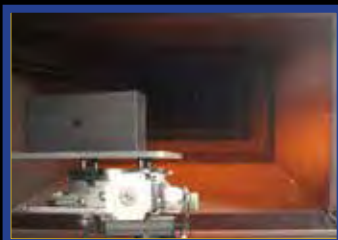
Bending machine



Surface mount placement equipment (SMT) meeting all the newest board and component designs



Thru-hole automation insertion equipment



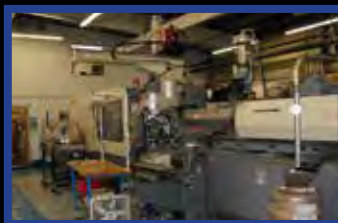
Light Tunnel: Photometric Validations to SAE standard for LED, Fluorescent, Strobe, Halogen and Incandescent Meets the requirements of Automotive, Emergency Equipment, Rail, Industrial Fire Alarms, Certified by AMECA



**EMI Chamber
Ability to test our own products to both European and American specifications, in house**



Anechoic Chamber certified by AMECA to test sound output for sirens, warning alarms and back-up alarms



**Molding in polycarbonate, ABS, Glass Filled Nylon and Over Molding in Polyurethane, Press capability from 80 - 700 tons
Color Blending capability at the presses, chromaticity validation for color**



Aluminum extrusion, Machining, Cutting, Drilling, and Tapping



**Pad printing machine:
Ability to print information directly on products**

| | | | | | |
|---------------------------------------|----|------------------------------------|----|--|--------|
| 1166HM, 1166IM | 58 | 7200, 7340, 7440, 7540, 7640 | 3 | DLX6-HK, DLX6-HK-1 | 28 |
| 1169H, 1169HM | 58 | 7232LED, 7460LED, 7461LED | 4 | DLX6-HK2, DLX6-HK2-1 | 28 |
| 1188H, 118HM | 58 | 7462LED, 7464LED | 4 | DLXT-121, DLXT-121C | 30 |
| 121BX, 122BX, 123BX | 59 | 7564LED-TOW, 7565LED-TOW | 4 | DLXT-124, DLXT-124C | 30 |
| 1300, 1400LED, 1421LED, 1421DLED | 2 | 9016LED, 9016LEDM, 9016LEDV | 12 | DLXT-2CUST, DLXT-3CUST | 30 |
| 1423LED, 1500, 1510LED, 1521LED | 2 | 9016SLED | 12 | DLXTHR-1, DLXTHR-2, DLXTHR-3 | 31 |
| 1521DLED, 1523LED, 1550, 1600 | 2 | 9018LED, 9018DLED, 9018TBLED | 11 | DLXTHR-3K, DLXTHR-4, DLXTHR-5 | 31 |
| 131BX, 132BX, 133BX | 59 | 9100LED, 9100LEDM, 9100LEDV | 11 | DLXTHR-7, DLXTHR-8 | 31 |
| 141BX, 142BX, 143BX | 59 | 9200H, 9200HM, 9200HV | 14 | DLXTHU-1, DLXTHU-2, DLXTHU-4 | 31 |
| 2073-1142, 2073-1157, 2073-1195 | 61 | 9200H8L, 9200H8LM, 9200H8LV | 13 | DLXTHU-7, DLXTHU-8, DLXTHU-9 | 31 |
| 2073-795X, 2073-795X58 | 61 | 9200HL, 9200HLM, 9200HLV | 13 | FLKULB9S-1, RLKULB9S-1 | 26 |
| 2073-797, 2073-H20-W24 | 61 | 9200S, 9200SM, 9200SV | 13 | FM3662, FM3666, FM3667, FM3669C | 57 |
| 2073-94, 2073-FTEFG, 2073-59013 | 61 | 9404H8L, 9404HL | 8 | FM6901, FM6902, FM6903 | 57 |
| 2073-H27, 2073-H27-24V | 61 | BB274-DLX46LPM, BB274-DLX4-6-SLP | 29 | FM6904, FM6905, FM6906 | 57 |
| 2073-H3-1, 2073-H3-2 | 61 | BB274-DLX6-BAIL, BB274-DLX4-6-RHK | 29 | FM6907, FM6908, FM6909 | 57 |
| 2073-H50S, 2073-H50-W24 | 61 | BB274-DLXT-LPB | 29 | Halogen Dash Light Specification Chart | 58 |
| 2340, 2440, 2540, 2640 | 5 | BB274-DLXTHU-LPB | 29 | LCS600 | 47 |
| 2360LED, 2460LED, 2461LED | 6 | BB274-DLX-VC | 29 | LCS652-013, LCS653-013 | 47 |
| 2346LED, 2462LED, 2463LED, 2464LED | 6 | BB274-FISUV-VER | 35 | LCS770 | 48 |
| 2464LED-TOW, 2565LED-TOW | 6 | BBK6VER-1-FISIV-CUST | 35 | LCS771 | 48 |
| 274-874, 274-875, 274-878 | 58 | BBK6VER-1-TA-CUST | 35 | LCS800-008, LCS800-8F | 50 |
| 274-DLIT-RL, 274-DLIT-U | 26 | BBK-FDCH | 53 | LCS850-8, LCS850-8F | 50 |
| 274-DLX4-6-1X2, 274-DLX4-6-2X1 | 29 | BKT3904, BKT3920 | 31 | LCS850MG12 | 49 |
| 274-DLX4-6-45, 274-DLX4-6-H | 29 | Capabilities | 62 | LCS880-008, LCS881-008 | 50 |
| 274-DLX4-6-RL, 274-DLX4-6-T | 29 | D-10, D-30, D-2000 | 53 | LCS869 | 51 |
| 274-DLX6-6-U, 274-DLX4-6-W | 29 | D-44, D-44-16, D-44-17, D-44-18 | 52 | LDH-361-S, LDH-361-T | 32 |
| 274-DLXT-1X2, 274-DLXT-2X1 | 29 | D-44-19, D-44-20, D-44-21 | 52 | LDH-362-E, LDH-362-S, LDH-362-T | 32 |
| 274-DLXT-45, 274-DLXT-RL | 29 | D-44-22L, D-44-22R, D-44-23 | 52 | LDH-363-E, LDH-363-S, LDH-363-T | 32 |
| 274-DLXT-T, 274-DLXT-U, 274-DLXT-W | 29 | D-44-24, D-44-27, D-44-28, D-44-29 | 52 | LDH-363M-S, LDH-363M-T | 32 |
| 274-LMB, 274-SL, 274-SL1 | 59 | D-44-2VER-35 | 52 | LDH-364-E, LDH-364-S, LDH-364-T | 32 |
| 500-J | 60 | D-44-30, D-44-31, D-44-32, D-44-33 | 52 | LDHF301-.*-10, LDHF301-.*-30 | 40 |
| 510, 511, 510-4509, 510-1 | 60 | D-44-34, D-44-35, D-44-36 | 52 | LDHF311-.*-10, LDHF311-.*-30 | 40 |
| 510-M, 510-1M, 511-1M, 510-TK | 60 | D-44-FIS, D-44-FISUV | 52 | LDHF362-E, LDHF362-T | 32 |
| 5364LED, 5462LED, 5464LED, 5564LED | 7 | D-60, D-60C, D-60LP | 53 | LDHF363-E, LDHF363-T | 32 |
| 6032LED, 6032LEDM | 7 | D-60-RBB, D-60-RBS | 53 | LDHF364-E, LDHF364-T | 32 |
| 63-642, 63-643 | 60 | DL15-12, DL15-12W | 33 | LDHT363-T, LDHT364-T | 32 |
| 6464LED, 6564LED | 7 | DL15-30W, DL15-30W-ARB | 17 | LDK302, LDK304, LDK312, LDK314 | 41 |
| 66-087, 66-097, 66-097-12 | 54 | DL15-6, DL15-6GMB, DL15-6MMB | 33 | LED Light Specification Chart | 39 |
| 66-087NS, 66-097NS, 66-102NS | 55 | DL15-6W, DL15-6W-1K | 33 | LED Lightbar Specification Chart | 8 - 9 |
| 66-087SS, 66-092SS, 66-097SS | 55 | DLS306, DLS306C | 34 | LED Traffic Director Specification Chart | 19 |
| 66-087SSNS, 66-097SSNS | 55 | DLHTHR-1, DLHTHR-4 | 31 | Lightbar Mounting Kit - Chevrolet | 9 |
| 66-097DF | 54 | DLHTHU-1, DLHTHU-4 | 31 | Lightbar Mounting Kit - Chrysler | 9 |
| 66-097DT, 66-102DT | 54 | DLITE, DLITS | 26 | Lightbar Mounting Kit - Dodge | 9 |
| 66-102, 66-107-12, 66-107-24 | 54 | DLNT-121S, DLNT-121SC | 30 | Lightbar Mounting Kit - Ford | 9 - 10 |
| 66-707A, 66-802A, 66-807A, 66-807A-24 | 54 | DLNT-122S, DLNT-122SC | 30 | Lightbar Mounting Kit - GMC | 10 |
| 66-802S, 66-907S | 54 | DLNTHR-1, DLNTHR-4, DLNTHR-5 | 31 | Lightbar Mounting Kit - Isuzu | 10 |
| 66L-087, 66L-097, 66L-097-12 | 54 | DLNTHU-1 | 31 | Lightbar Mounting Kit - Jeep | 10 |
| 66L-097DT, 66L-102DT | 54 | DLX3, DLX3H | 27 | Lightbar Mounting Kit - Pontiac | 10 |
| 66L-097SS | 55 | DLX4, DLX4C | 27 | Lightbar Mounting Kit - Toyota | 10 |
| 66L-102, 66L-107-12, 66L-107-24 | 54 | DLX4-HK, DLX4-HK-1 | 28 | Mini-Bar Specification Chart | 14 |
| 66L-707A, 66L-802A, 66L-807A | 54 | DLX4-HK2, DLX4-HK2-1 | 28 | Phantom Lightbar Specification Chart | 23 |
| 7100LED, 7100DLED, 7100LED-TB | 12 | DLX6, DLX6C, DLX6F | 27 | Phantom Brackets - Chevrolet | 24 |

INDEX

| | | | |
|---|---------|------------------------------|----|
| Phantom Brackets - Dodge | 24 | ULB28-CH | 22 |
| Phantom Brackets - Ford | 24 | ULB28-FIS, ULB28-FISUV | 22 |
| Phantom Brackets - GMC | 24 | ULB34-1-FISUV, ULB34-1-TA | 23 |
| Remote Kits & Heads Specification Chart | 44 | ULB38-1-FISUV, ULB38-1-TA | 23 |
| RSK242P, RSK244P | 42 | ULB42, ULB42-1, ULB42-DLP | 20 |
| RSK310P, RSK966P, RSK996P | 43 | ULB42-TD, ULB42-TD-1 | 18 |
| SB1515, SB3515 | 56 | ULB44, ULB44-1, ULB44-2 | 21 |
| SB4020, SB4020-15, SB4020T | 56 | ULB44-3, ULB44-CA, ULB44-DLP | 21 |
| SB4040, SB4040-15, SB4425T | 56 | ULB44-TD, ULB44-TD-1 | 18 |
| SH3964, SH3967 | 60 | ULB48-TD | 18 |
| Siren Specification Chart | 51 - 52 | ULB9E, ULB9E-1 | 25 |
| S-Link System™ | 38 | ULB9LDC, ULB9LDC-1 | 25 |
| SP1515, SP3015 | 56 | ULB9S, ULB9S-1 | 26 |
| SP3860-1, SP3860-2, SP3860-2H | 56 | VL22 | 34 |
| SP3860-3, SP3860-3H | 56 | | |
| SP3860-4, SP3860-4H, SP3860-5 | 56 | | |
| Speaker Specification Chart | 53 | | |
| SR7, SR9, SR10, SR12 | 59 | | |
| SS650, SS651 | 47 | | |
| SS651MT-013 | 46 | | |
| SS670-013 | 45 | | |
| SS700-013, SS700-016, SS700-016-28 | 45 | | |
| SS730 | 46 | | |
| SS741MG-11 | 46 | | |
| SS867 | 51 | | |
| ST3901, ST3901-7, ST3901-12 | 60 | | |
| ST413P, ST413P-W | 60 | | |
| ST413PA, ST413PB, ST413PR | 42 | | |
| ST415P, ST415P-W | 60 | | |
| ST415PC | 42 | | |
| Star Constellation™ | 36 - 37 | | |
| TCS-1, TCS-1REF, TCS-2, TCS-2REF | 17 | | |
| TCS-6 | 17 | | |
| TD93-36, TD93-47 | 15 | | |
| TD93DLXT, TD93DLXT24 | 16 | | |
| TD93DLXTARO, TD93DLXTARO-S | 16 | | |
| TD93DLXTARO2, TD93DLXTARO2-S | 16 | | |
| TDC-3 | 19 | | |
| TDDL15-36, TDDL15-42 | 16 | | |
| TDDL15-42TA, TDDL15-47 | 16 | | |
| TDDL15-47CV | 16 | | |
| TDLIN-36-15, TDLIN-36-30 | 15 | | |
| TDLIN-47-15, TDLIN-47-30, TDLIN-47-45 | 15 | | |
| TDLIN-47-60, TDLIN24-47-30 | 15 | | |
| Terms and Warranty Information | 61 | | |
| ULB10 | 20 | | |
| ULB14 | 21 | | |
| ULB18 | 22 | | |
| ULB18-FIS, ULB18-FISUV | 22 | | |
| ULB21 | 20 | | |
| ULB24, ULB24-CA, ULB24-DLP | 21 | | |
| ULB28 | 22 | | |



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