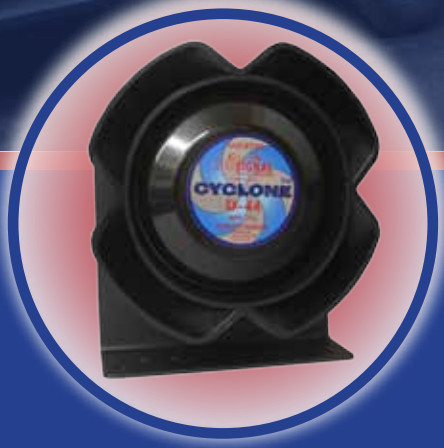
Emergency Vehicle Warning Systems

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.

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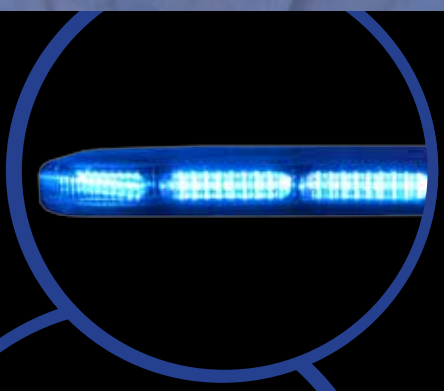

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LED Lightbar

- 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

PHAZER™

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

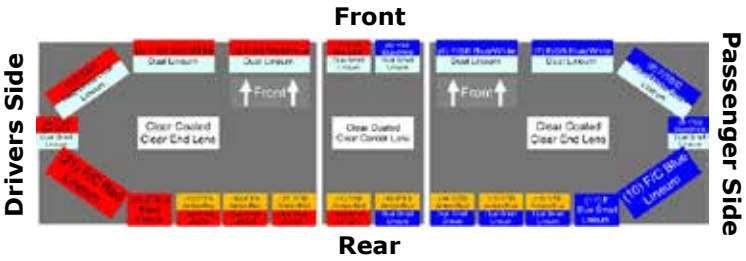
LED Colors

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

Module Colors

Front Lens and End Cap Colors (Standard Clear)

Internal View

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

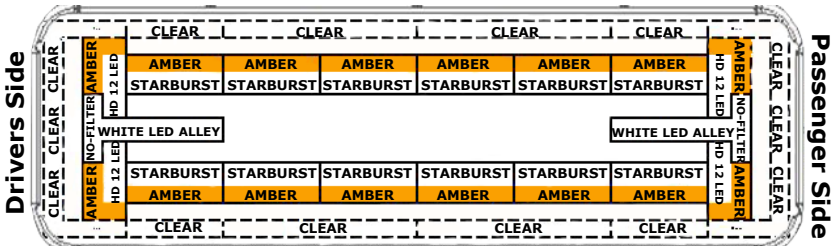
Wide angle light distribution on front and rear modules

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)

Front



Rear

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

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

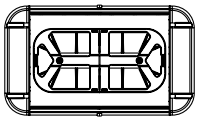
7232LED 7461LED 7464LED 7565LED-TOW
7460LED 7462LED 7564LED-TOW

72 - 22”, **74** - 46”, **75** - 52”, **TOW** - Tow package

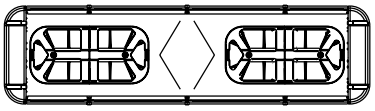
7232LED	22”, (1) M-Tech Plus® head
7460LED	46”, (2) M-Tech Plus® heads with scene lighting, (2) V-mirrors
7461LED	46”, Police package, (2) M-Tech Plus® heads with scene lighting, (2) LED alleys, (2) front DLX6 takedown/pursuits
7462LED	46”, Police package, (2) M-Tech Plus® heads, (2) LED alleys, (2) 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

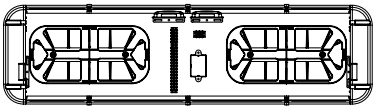
Front Lens and End Cap Colors (Standard Clear)



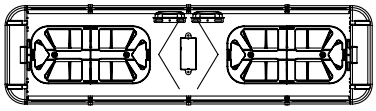
7232LED



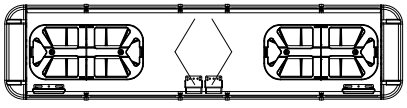
7460LED
7464LED



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 ¾" 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

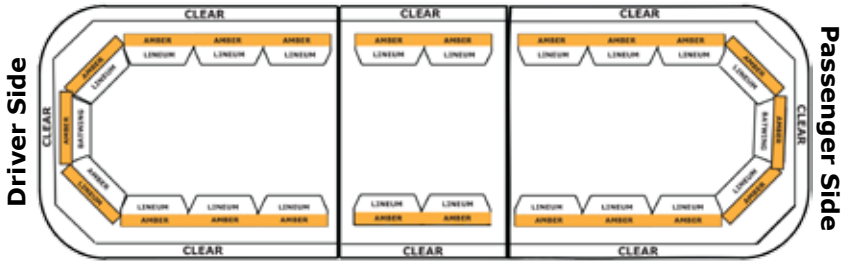
Wide angle light distribution good for front/rear

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

2440

Internal view

Front



Rear

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 ¾" 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

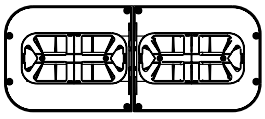
2360LED 2460LED 2461LED 2565LED-TOW

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

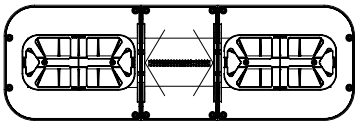
Features

- 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)

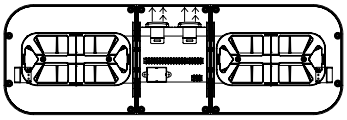
2360LED	36", M-Tech Plus® heads with scene lighting
2460LED	46", M-Tech Plus® heads with scene lighting, (2) V-mirrors
2461LED	46", M-Tech Plus® heads with scene lighting, (2) front DLX6 LED takedown/pursuits, (2) LED alleys
2565LED-TOW	46", M-Tech Plus® heads with scene lighting to the rear, (2) LED work lights, (2) Red Batwing stop/tail/turn lights



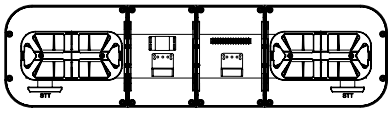
2360LED



2460LED



2461LED



2565LED-TOW

LED Colors

Dome Colors (Standard Clear)

2463LED

LED Colors

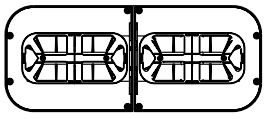
Dome Colors (Standard Clear)

Model Numbers

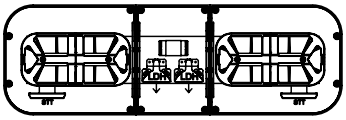
2364LED 2462LED 2464LED
2462LED 2463LED 2464LED-TOW

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

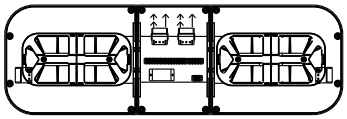
2364LED	36", M-Tech Plus® LED lightbar with (2) LED heads
2462LED	46", M-Tech Plus® LED lightbar with (2) LED heads, (2) LED takedown/pursuits, (2) LED alleys
2463LED	46", M-Tech Plus®, (2) V-mirrors, (2) LED takedown/pursuits
2464LED	46", M-Tech Plus® LED lightbar with (2) LED heads, (2) V-mirrors
2464LED-TOW	46", (64) Amber LEDs with M-Tech reflectors, (2) work lights, (2) Red batwing stop/tail/turn lights, Clear domes



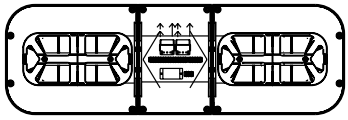
2364LED



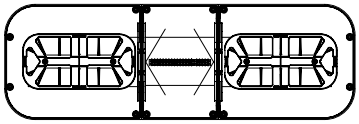
2464LED-TOW



2462LED



2463LED

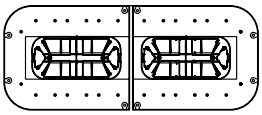


2464LED

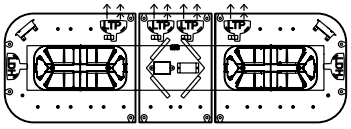
SABRE® M-TECH PLUS®

- 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

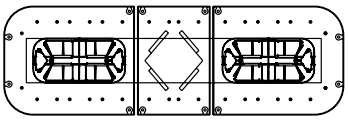
5464LED



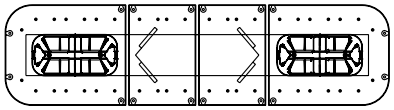
5364LED



5462LED



5464LED



5564LED

LED Colors

Domes Colors (Standard Clear)

Model Numbers

5364LED 5462LED 5464LED 5564LED

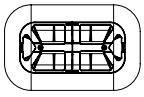
53 - 36", **54** - 46", **55** - 56"

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

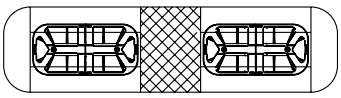
AEROSTAR M-TECH PLUS®

- 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

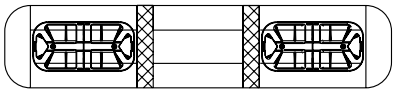
6464LED



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

LED Colors

Domes (Standard Clear)

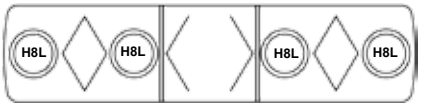
Model Numbers

9404H8L 9404HL

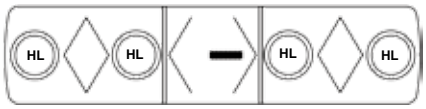
94 - 48", **H8L** - Ultra high intensity, 8 Halo LEDs, **HL** - High intensity, 4 Halo LEDs

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

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 ⅛"H x 12"W x 37"L	will vary	5
1500	10-16V	amps will vary	hook-on/perm. mount	2 ⅛"H x 12"W x 51"L	will vary	5
1550	10-16V	amps will vary	hook-on/perm. mount	2 ⅛"H x 12"W x 58"L	will vary	5
1600	10-16V	amps will vary	hook-on/perm. mount	2 ⅛"H x 12"W x 65"L	will vary	5
2340	10-16V	amps will vary	hook-on/perm. mount	2 ¾"H x 15"W x 36"L	will vary	5
2440	10-16V	amps will vary	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	will vary	5
2540	10-16V	amps will vary	hook-on/perm. mount	2 ¾"H x 15"W x 56"L	will vary	5
2640	10-16V	amps will vary	hook-on/perm. mount	2 ¾"H x 15"W x 66"L	will vary	5
7200	10-16V	amps will vary	perm./mag./vacuum mag. mount	2 ⅝"H x 12 ¼"W x 22"L	will vary	5
7340	10-16V	amps will vary	perm. mount	2 ⅝"H x 12 ¼"W x 34"L	will vary	5
7440	10-16V	amps will vary	hook-on/perm. mount	2 ⅝"H x 12 ¼"W x 46"L	will vary	5
7540	10-16V	amps will vary	hook-on/perm. mount	2 ⅝"H x 12 ¼"W x 52"L	will vary	5
7640	10-16V	amps will vary	hook-on/perm. mount	2 ⅝"H x 12 ¼"W x 58"L	will vary	5
1400LED	10-16V	9.2 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 44"L	will vary	5
1421LED-RB	10-16V	9.6 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 44"L	will vary	5
1421DLED-RBCA	10-16V	9.1 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 44"L	will vary	5
1423LED-RB	10-16V	9.4 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 44"L	will vary	5
1510LED-AA	10-16V	10.6 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 51"L	will vary	5
1521LED-RB	10-16V	10.7 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 51"L	will vary	5
1521DLED-RBCA	10-16V	10.2 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 51"L	will vary	5
1523LED-RB	10-16V	10.5 amps	hook-on/perm. mount	2 ⅛"H x 12"W x 51"L	will vary	5
2360LED	10-16V	7.2 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	20	5
2364LED	10-16V	7.2 amps	perm. mount	2 ¾"H x 15"W x 36"L	25	5
2460LED	10-16V	7.2 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	25	5
2461LED	10-16V	9.6 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	25	5
2462LED	10-16V	9.6 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	28	5
2463LED	10-16V	9.6 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	28	5
2464LED	10-16V	7.2 amps	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	31	5
2464LED-TOW	10-16V	13 amps max	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	35	5
2565LED-TOW	10-16V	9.6 amps max	hook-on/perm. mount	2 ¾"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

LED Lightbars

SPECIFICATIONS

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 ½"W x 20"L	12	5
6032LEDM	10-16V	3.6 amps max	mag. mount	5"H x 12 ½"W x 20"L	16	5
6464LED	10-16V	7.2 amps max	hook-on/perm. mount	5"H x 12 ½"W x 48"L	25	5
6564LED	10-16V	7.2 amps max	hook-on/perm. mount	5"H x 12 ½"W x 56"L	28	5
7232LED	10-16V	3.6 amps max	perm. mount	2 5/8"H x 12 ¼"W x 22"L	25	5
7460LED	10-16V	7.2 amps max	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 46"L	39	5
7461LED	10-16V	9.6 amps max	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 46"L	39	5
7462LED	10-16V	9.6 amps max	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 46"L	39	5
7464LED	10-16V	7.2 amps max	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 46"L	37	5
7564LED-TOW	10-16V	9.6 amps max	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 52"L	42	5
7565LED-TOW	10-16V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 ¼"W x 52"L	45	5
9404H8L, 9404HL	10-16V	2.8 amps max	hook-on/perm. mount	5"H x 12 ¼"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 ½"	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 ½"	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 ½"	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

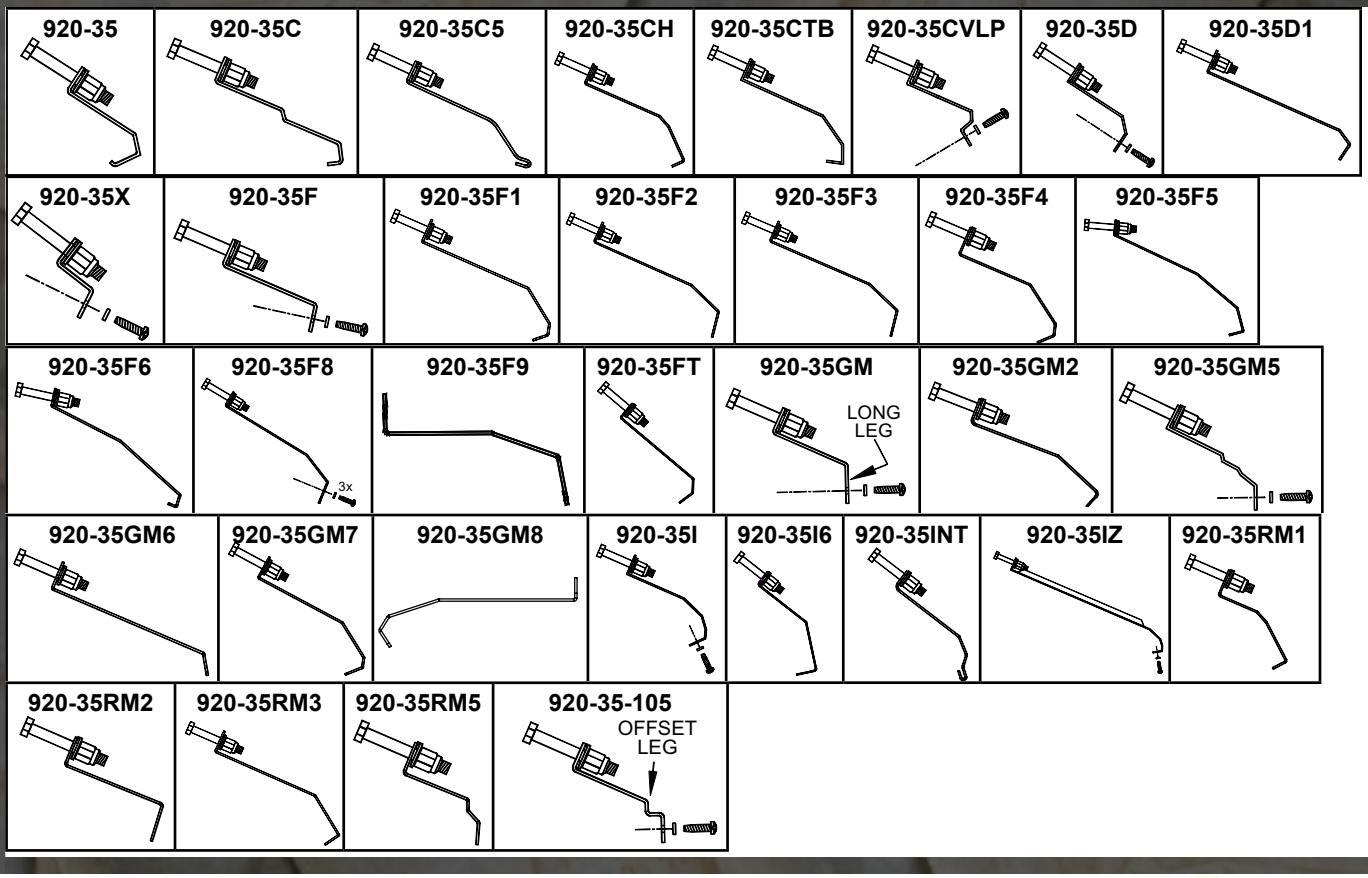
Isuzu Models	Style	Beginning Year	Through Year	Roof Width	Model Number
Delivery Truck Chassis		2000	2004		920-35IZ

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



9018LED

- 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

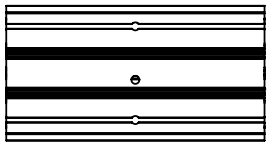
LED Colors

Dual Color Dome

Replacement Parts (* = color)

Dome	910-316-*
Dome gasket	30047-64

Base
16"L



9018LED

Configuration Options

Phase 1	Phase 2
Phase 1	Phase 2

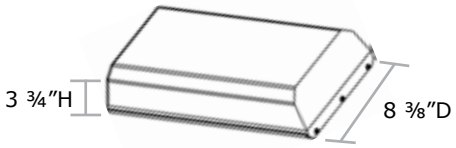
9018LED
Left/Right
Colors are not independently enabled

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



Model Numbers

9018LED **9018DLED** **9018TBLED**

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

Star Lineum™	Star Generation IV LEDs per head: Front and Back Modules	Star Generation IV LEDs per head: Side Modules	Total Star Generation IV LEDs per bar
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)

9100LED Star Contour®

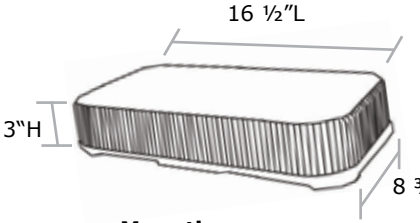
- Star Contour® is extremely low profile, made to "contour fit" to the roof of your vehicle
- Super bright M-Tech Plus® LED technology
- Provides a superior warning light image
- Injection molded polycarbonate base is combined with two rubber coated vacuum magnets to "custom mount to your vehicle" (vacuum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

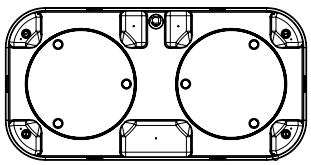
Replacement Parts (* = color)

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



Mounting

Base



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

9016LED

- 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-C

9016LEDV-RR

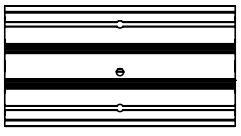
Replacement Parts (* = color)

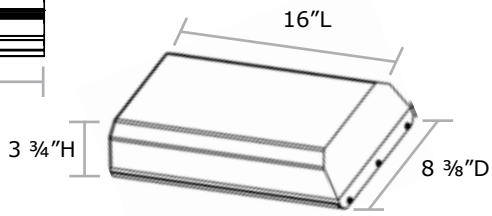
Dome	910-316-*
Cig. plug	920-PAT18HI
Magnet mount kit	910-177K
Mounting gasket	920-17-16
Vacuum magnet mount kit	920-16V-BK
Dome gasket	30047-64

Dome Colors

LED Colors

Base





Model Numbers

9016LED **9016LEDM** **9016LEDV** **9016SLED**

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

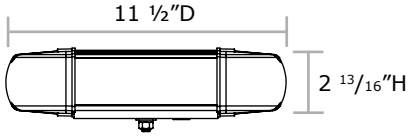
Voltage: permanent - 10-30V DC, magnet - 10-16V DC
Amp Draw: (Amber or Red) 2 amps (max), (Blue, White, Green, Blue, Blue/White) 3.6 amps (max), (Amber/White, Amber/Green, Red/Blue) 2.8 amps (max)

7100LED

- 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

Side View



Replacement Parts (* = color)

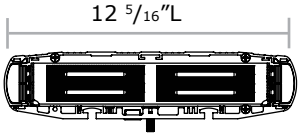
End dome	720-23-*
Short side dome	720-21S-*
End dome gasket	30047-101
Extrusion gasket	30047-104
End cap screws	30054-8

Dome Colors

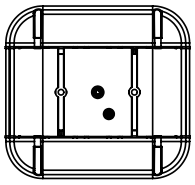
LED Colors

Dual Color Dome

End View



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

Model Numbers

7100LED **7100DLED** **7100LED-TB**

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

Voltage: 10-16V DC
Amp Draw: 8 amps (average), 16 amps (max)

STARSIGNAL VEHICLE PRODUCTS Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

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

9200HL

Dome Colors

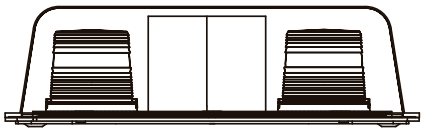
Inner Lens Colors

Replacement Parts (* = color)

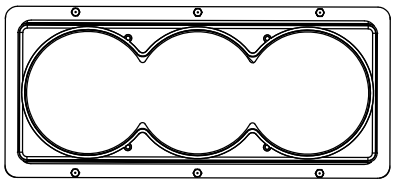
Outer dome	920-3-*
Inner Fresnel lens	333-*
V-mirrors	820-29
Cig. plug	920-PAT20LO
Magnet (one)	920-16
Magnet kit (four)	920-16-4K
Vacuum magnet	920-14V

9200HL

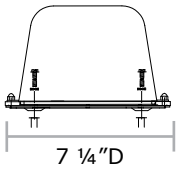
9200HLV



Base



Mounting



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

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

9200S

Dome Colors

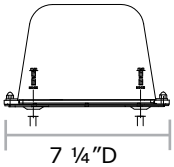
Inner Lens Colors

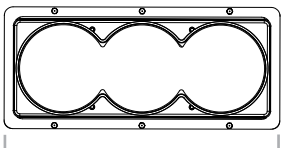
Replacement Parts (* = color)

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

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

9200H

9200HV

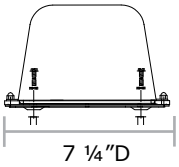
Replacement Parts (* = color)

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



Model Numbers

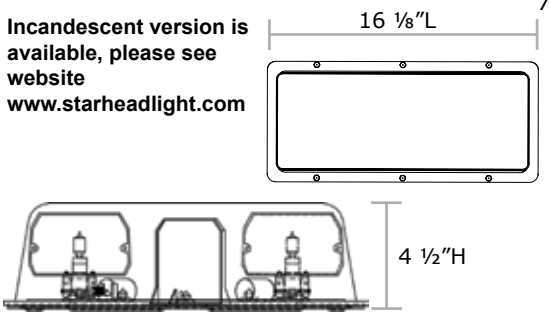
9200H **9200HM** **9200HV**

M - Magnet mount, **V** - Vacuum magnet mount

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

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

Base



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)*

- 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

■

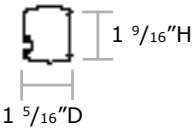
Add On

Multi-feature controller	TDC-3

TDLIN-36

TD77-2
1 ½"H
6"W
4 ½"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

TD93

LED Color

■

Replacement Parts

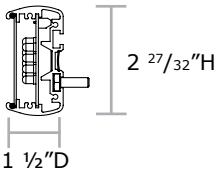
TD93 LED stick only	TD93-1
Control unit	TD77-2
TD93 L-bracket mount kit	274-LLBK

Add On

Multi-feature controller	TDC-3

TD77-2
1 ½"H
6"W
4 ½"D

End



TD93-47

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

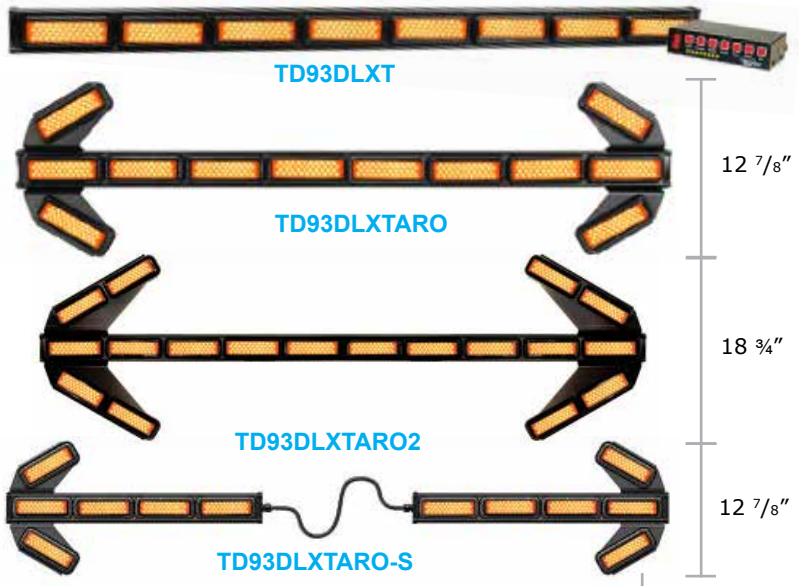
Cable Lengths: 15', 30', 45', 60'

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

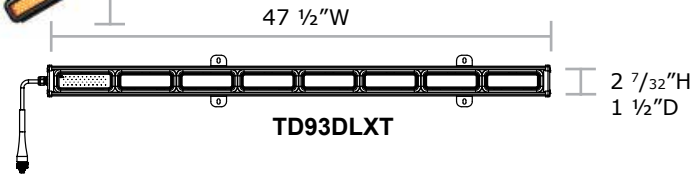
Replacement Parts (* = color)

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



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), TD92DLXTARO, TD93DLXTARO-S - 4.1 amps (max), TD93DLXTARO2 - 5.4 amps (max)

TDDL15

TDDL15-47

Lens Color

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

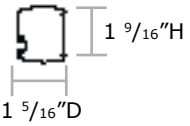
Replacement Parts

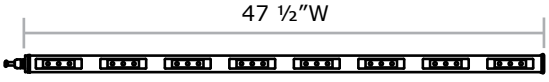
Control unit	TD77-2
TDDL15-42TA bracket mount kit	TD92-7KTA
TDDL15-47 bracket mount kit	274-LLBK
TDDL15-47CV bracket mount kit	DL15-BKTCV

Add On

Multi-feature controller	TDC-3

End





TDDL15-47

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

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

TD77-2

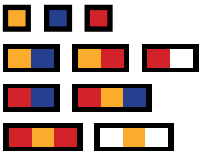
STARSIGNAL Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

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

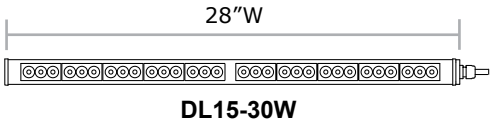


Replacement Parts

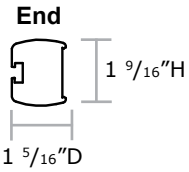
Deck mount kit	DL15-SMTK
Optional Traffic Director control panel	SP1515-TDC
Control box (with LED feedback)	TD77-DL15-30
Medium legs	P30150-82
Short legs	P30150-92
Tall legs	P30150-93

Add On

Multi-feature controller	TDC-3



DL15-30W



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)

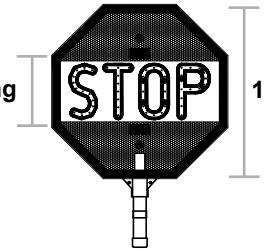
Does not apply to all flash patterns

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)



TCS-2 | Reverse side | TCS-1

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

ULB42, ULB44

- 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

ULB42-TD

ULB44-TD

ULB42-TD-2

1 ½"H
6"W
4 ½"D

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

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

Replacement Parts

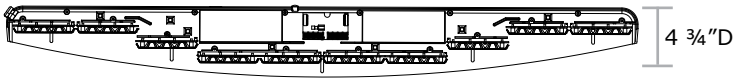
Control unit	ULB42-TD-2
Mounting bracket kit	274-ULB42-BKT

Add On

Multi-feature controller	TDC-3

LED Colors for outboard LED flasher sections

ULB44-TD, ULB42-TD



ULB44-TD

Star Phantom® Lineum X™ LED Traffic Director

ULB48-TD

- 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

ULB48-TD

Model Numbers

ULB48-TD

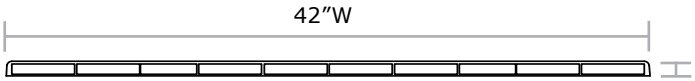
TD - Traffic Director

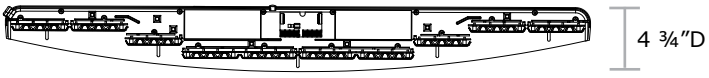
Voltage: 10-16V DC
Amp Draw: ULB48 - 6.5 amps (average), 13 amps (max)

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





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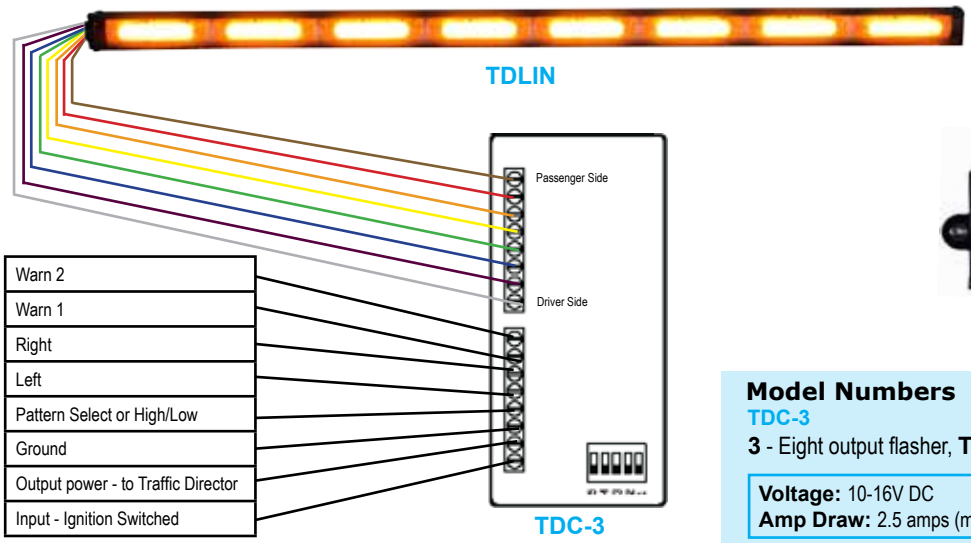
Traffic Director Multi-Feature Controller

- 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



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

Specifications

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

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

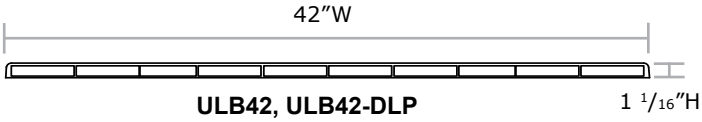
Amp draw varies depending on color of LED and the flash pattern selected

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)

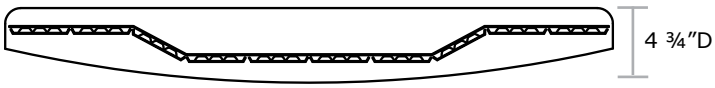
Replacement Parts for ULB42

Cig. plug for ULB42	920-10
Mounting bracket kit for front/rear	274-ULB42BKT
Baffle	S30147-89

LED Colors



ULB42, ULB42-DLP



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)

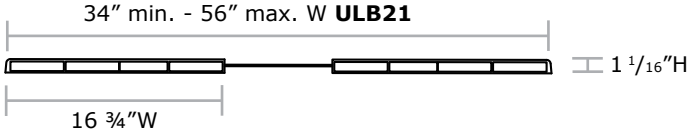
Replacement Parts for ULB21

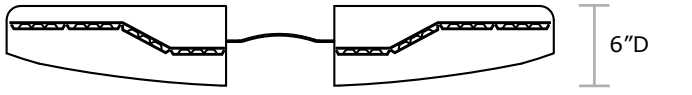
Cig. plug	920-10
Mounting bracket kit for front/rear	274-ULB42BKT
Baffle (requires one of each per unit)	S30147-151L S30147-151R

LED Colors

Replacement Parts for ULB10

Cig. plug	176-SW
Baffle (requires one per unit)	30147-151P





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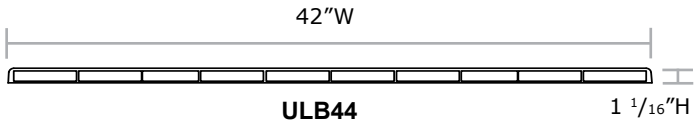
- Interior mount LED lightbar is perfect for undercover or unmarked vehicles
- Extremely thin profile
- 35 customer selectable flash patterns via a push button switch and a 30 second Superburst™ all LED steady burn mode
- Easily mounts under the center visor clips above the rear view mirror in 15-20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

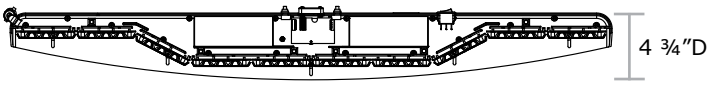
ULB44-BB

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

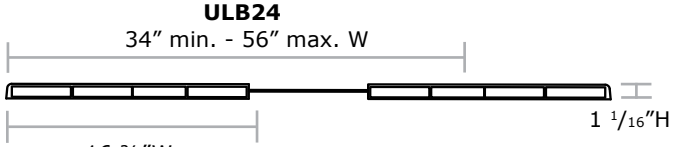
LED Colors

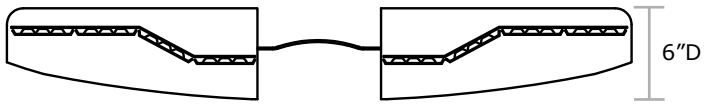
Replacement Parts for ULB24

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

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

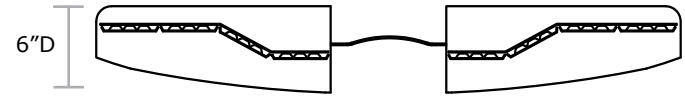
Voltage: 10-16V DC
Amp Draw: ULB18 - 2.5 amps (average) 5.0 amps (max)
ULB28 - 5.25 amps (average) 10.5 amps (max)

Replacement Parts for ULB18

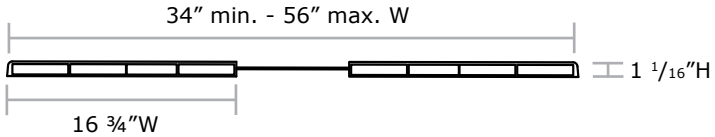
Bent end baffle (requires one per unit)	S30147-151-2R
Gasket	P30047-169-18

Replacement Part for ULB28

Bent end baffle left	S30147-151-2L
Bent end baffle right	S30147-151-2R



ULB28



ULB18

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

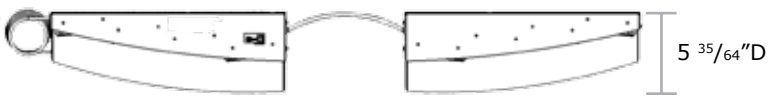
Voltage: 10-16V DC
Amp Draw: ULB28 - 5.25 amps (average) 10.5 amps (max)

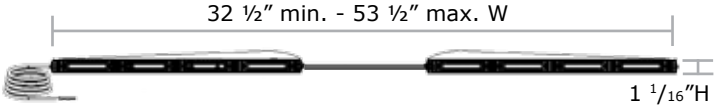
Replacement Parts for ULB28-CH

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





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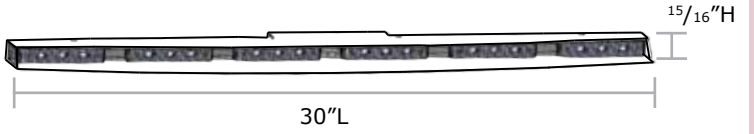
- Perfect for undercover or unmarked vehicle applications
- Interior applications only
- Housing designed to fit to the curve of the vehicle
- See below for Specifications and Approvals

LED Colors



5 ½"D - FISUV
4 13/32"D - TA

Model Numbers

ULB34-1-FISUV **ULB34-1-TA**

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

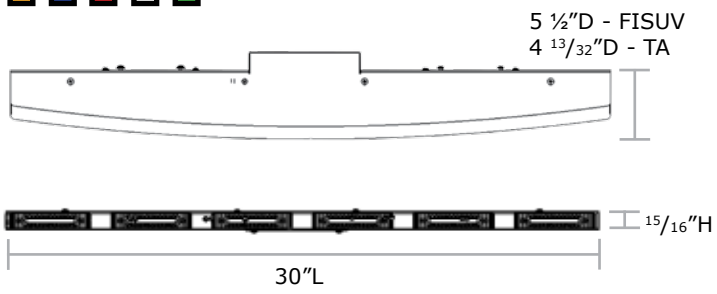
Features

- 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*

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

- 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

ULB9E

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 - Hardware

Features

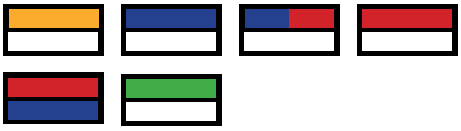
- Eight mid power LEDs
- ULB9E - equipped with on/off switch and pattern select on cig. plug
- ULB9E-1 - equipped with 12' cable, synchronizable

Windshield mount
ULB9-HOOD-1
Included

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

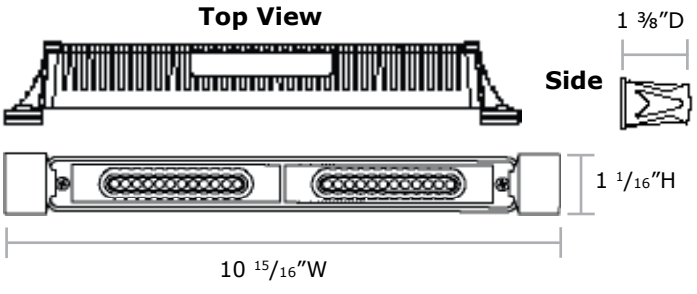
ULB9LDC

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 - Hardware

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)

Mini Phantom LED Lights

ULB9S

- 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

LED Colors

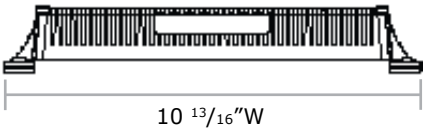
Split color combinations available, please call to confirm availability.

Windshield mount ULB9-HOOD-1 Included

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

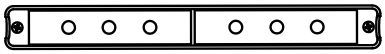


10 13/16"W

Side

1 3/8"D

Without adjustable ratchets



1 1/16"H

9 3/16"W

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)

Mounting kit - sold separately 274-ULB9BKT

Deck mount

274-ULB9MMC Mirror mount

(2) DL15-CUP Suction cup mount

MicroStar™

DLIT

- 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™

LED Colors

25/64"D

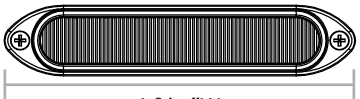
Split LED Colors

DLITS

1"H

4 3/16"W

DLITE



1"H

4 3/16"W

Model Numbers

DLITE DLITS

E - Wide spread, **S** - Spot - narrow beam

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

Optional Brackets

274-DLIT-U

274-DLIT-RL

- 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

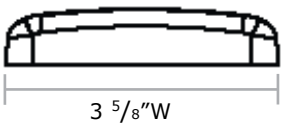
Replacement Parts

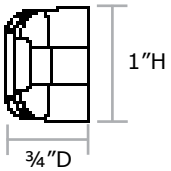
Black bezel	30019-150B
Chrome bezel	30019-150P
White bezel	30019-150W
Hardware kit for DLX3, DLX4, DLX6F	S30017-38
Hardware kit for DLX6	S30017-39
Snap in medium spread optic	136-4
Snap in wide spread optic	136-6

DLX3

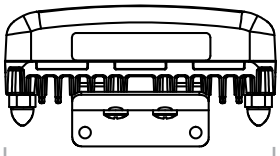
DLX4

DLX6 and DLX6F

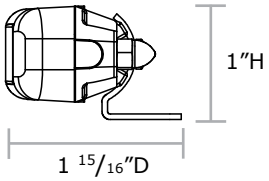




Dimensions are the same for DLX3, DLX4, and DLX6F



DLX6



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

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

- 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

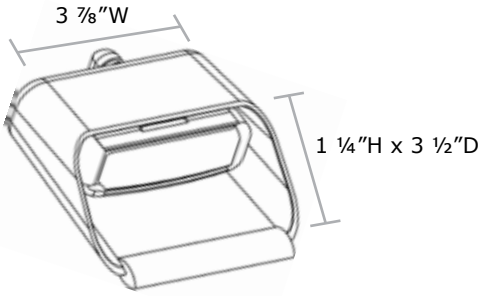
DLX6-HK2-BB

Replacement Parts

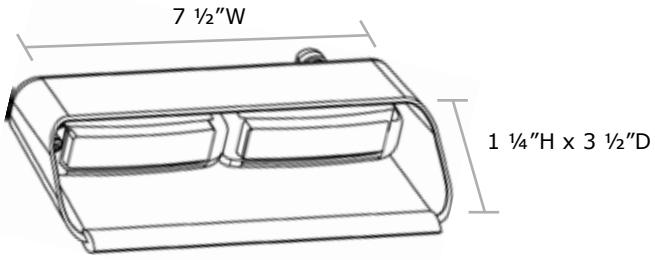
Black bezel	30019-150B
Chrome bezel	30019-150P
Cig. plug	920-PAT20LO
Single hood	P30019-234
Double hood	P30019-235
Mounting kit for double hood	274-ULB9BKT
Single hood mounting kit	274-DLX4-6-HK

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

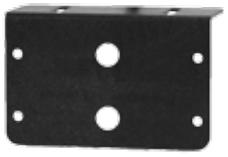
274-DLX4-6-45
45° angle mounting

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

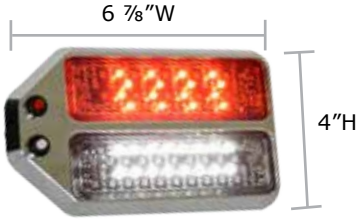
- Only ½" thick
- High intensity LED lights are built with fully encapsulated circuitry
- S-Link System™ synchronizing capabilities with other Star LED units (DLXT only)
- For interior or exterior applications
- Black, Chrome, or White bezels available
- Optional brackets are available for single bezels
- Reverse polarity protected and current limiting protection over the entire operating voltage
- See page 39 for Specifications and Approvals

DLXT-121

DLXT-121C

DLXT-124

DLNT-121S



DLNT-122SCRW

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

Oval Bezel

Only ½" thick!

DLXT, DLHT LED Colors

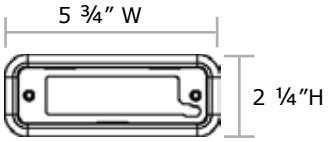
DLTT, DLNT LED Colors

DLNT-S Single Bezel LED Colors

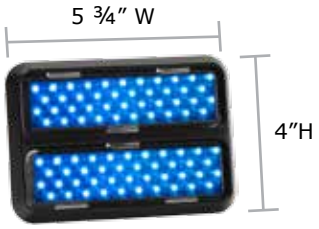
DLNT-S Double Bezel LED Colors

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

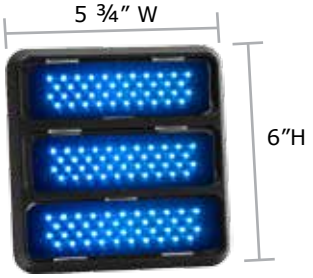
DLXT	Auxiliary warning LED light, 10 plus customer selectable flash patterns, including steady-on
DLHT	Auxiliary hazard turn light, flasher in warning pattern overridden by turn signal output, flashes with turn signal input, 10 customer selectable flash patterns
DLTT	Auxiliary stop/tail/turn light
DLNT	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



Double Bezel
DLXT-2CUST



Triple Bezel
DLXT-3CUST

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

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 C C

C - Clear lens

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

Recessed Chrome Ring

Thinline ONLY 0.84"

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

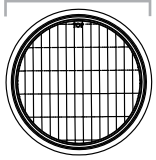
Oval Black bezel	S30019-257
Oval Chrome bezel	S30019-257P
Oval White bezel	P30019-257W
Oval Grommet	P30199-5
Oval Window bezel	S30019-259

DLXTHR-4

DLXTHU-1

DLXTHR

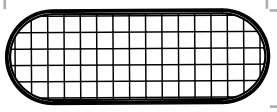
4"Dia.



Side

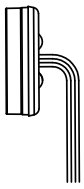
DLXTHU

7 ¼"L

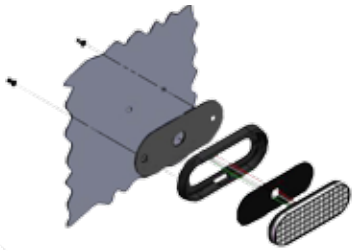


3"H

Side



Grommet Mount



Standard Bezel Mount

Optional Brackets

BKT3904

BKT3920

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

LDH-361

LDH-362

LDH-363

LDH-364

Replacement Parts

Mounting hardware (LDH-363)	S30017-33
Tractor housing	P30146-16
Swivel mounting bracket	274-LDH-362
Rubber grommet	P30199-7

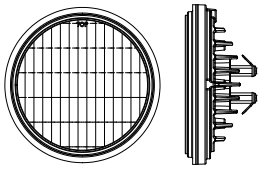
Steady Burn Colors

Flashing Colors

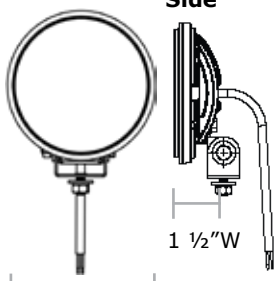
C - Clear lens

Lens Colors

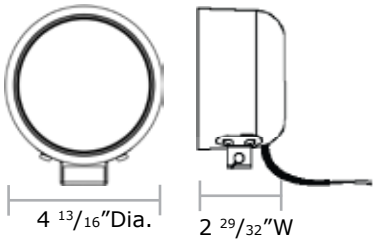
LDH-361 Side



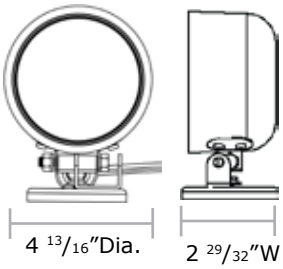
LDH-362 Side



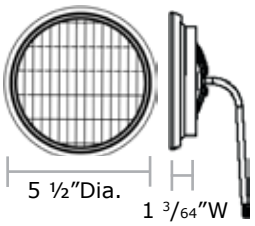
LDH-363 Side



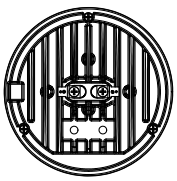
LDH-363M Side



LDH-364 Side



Back



LDH-361

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)

- 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-BW

DL15-6GMB-B

DL15-6MMB-B

DL15-6W-1K

DL15-12-B

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

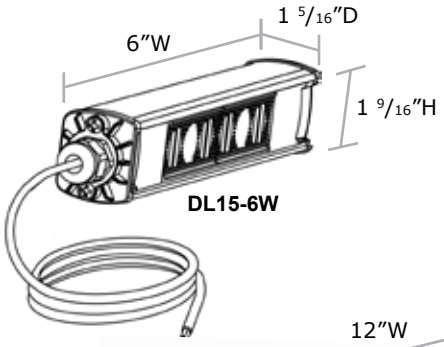
DL15-6MMB Interior mount only, mirror mount bracket, six LED array unit, cig. plug with lighted on/off switch, pattern select switch, 29 customer selectable flash patterns

DL15-6W Interior/exterior mount, six LED array unit, weatherproof 12' three conductor cable, 29 customer selectable flash patterns

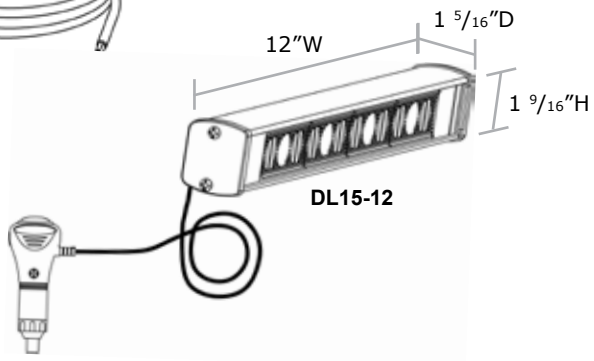
DL15-6W-1K Interior/exterior mount synchronized kit, one pair of six LED array units (two DL15-6W-1 units can be synchronized for simultaneous or alternating flashing), weatherproof 12' three conductor cable, 3 customer selectable flash patterns

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



DL15-6W



DL15-12

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

Star Mini-Comet™

- 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

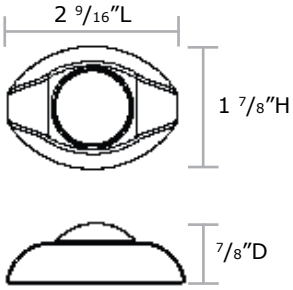
DLS306-BB

DLS306

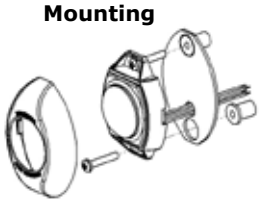
Replacement Parts

Black bezel	P30019-144B
Chrome bezel	P30019-144P
White bezel	P30019-144W

LED Colors



Mounting



Model Numbers

DLS306 DLS306C

C - Chrome bezel

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

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

LED Visor Light

StarVisor II™ VL22

- High intensity LED lights give you plenty of possibilities to customize to your individual needs
- 30 customer selectable flash patterns
- Auto-Tilit™ 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

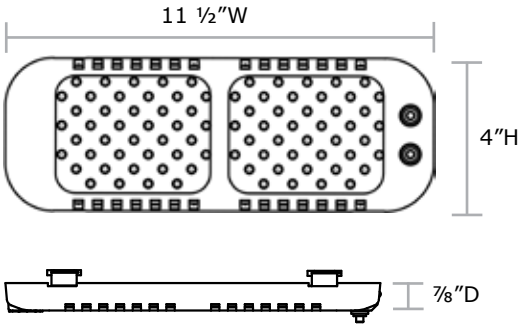
Model Number

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

Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

SUV Rear Spoiler Kit

- 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

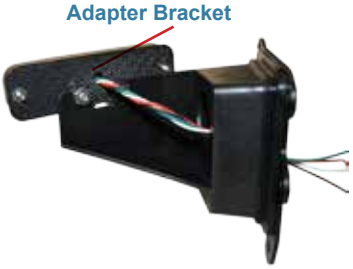
Ford SUV Headlight Bracket

- 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

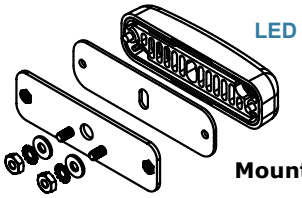
Ford Police package head assembly

DLX3, DLX4, DLX6F

Adapter Bracket



BB274-FISUV-VER



LED light purchased separately

Mounting

Model Numbers

BB274-FISUV-VER

FISUV - Ford SUV

BKDLX3

BKDLX4

BKDLX6F

- 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
- ¾" 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

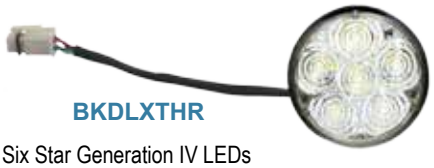
MINI BARS (ONLY) BKSWH-357

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 C 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:

Star Constellation™

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

LDH-363

ULB9S-1

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

PAR 36
LDH36
LDHF36

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

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

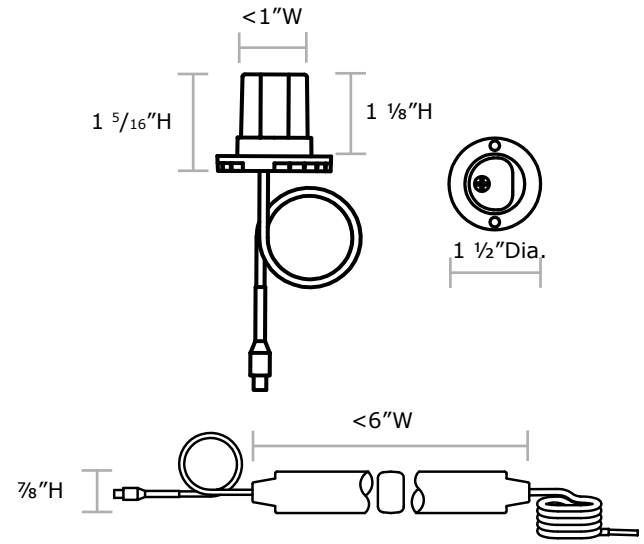
LDHF301 Series
Directional Head

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

Model Numbers

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

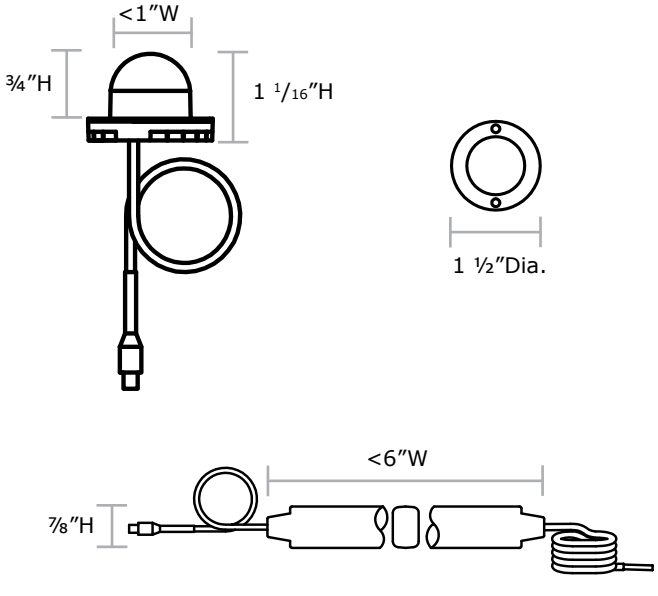
10 - 10' cable, **30** - 30' cable, **301** - Directional head, **311** - Spherical head

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)



LDHF311

- 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*

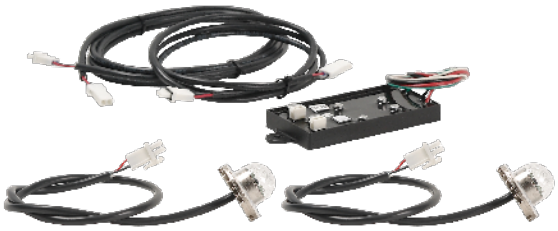
LDK302
Directional Head

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

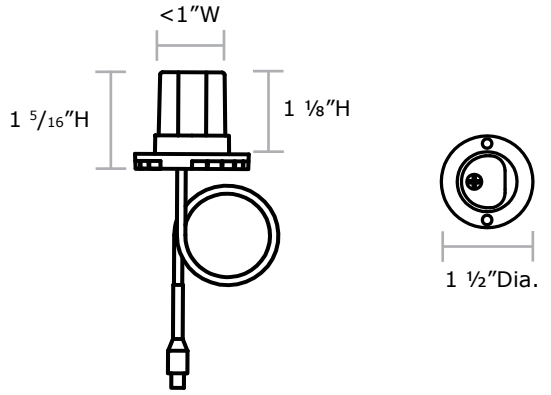
LDK304 Four head kit includes: 2 - flasher modules, 2 - 4' cables with attached connectors, 2 - 8' cables with attached connectors, 4 - LED head assemblies with 2' leads and attached connectors

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

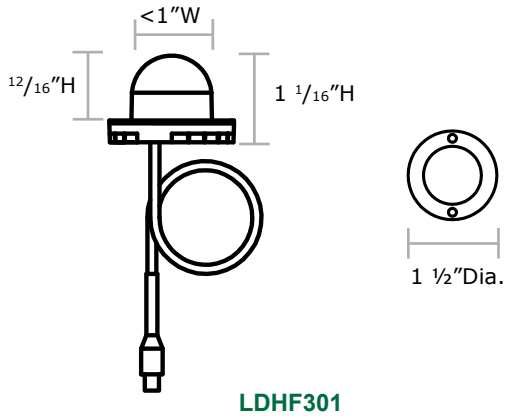
LDK314 Four head kit includes: 2 - flasher modules, 2 - 4' cables with attached connectors, 2 - 8' cables with attached connectors, 4 - LED spherical head assemblies with 2' leads and attached connectors



LDK312
Spherical Head



LDHF301



LDHF301

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

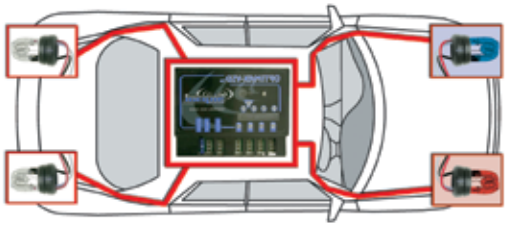
ST413PA
Amber

ST413PB
Blue

ST413PR
Red

ST415PC
Clear

- 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



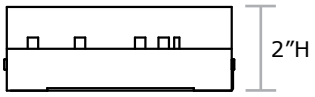
- Visual Systems Diagnostics (VSD™) helps diagnose the problem for RP242, RP244, RP966, and RP996
- By observing miniature lamps through windows located on the power supply you can evaluate four important operations of the strobe system
  1. The trigger lines (power going back to strobe tubes)
  2. The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

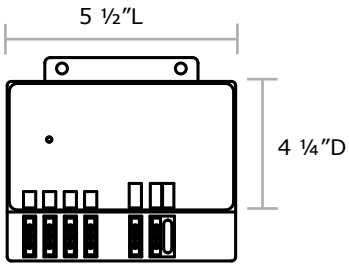
RSK244P

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





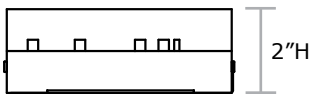
Kit Includes	Qty	
RP244	1	75 watt remote power supply
ST415PC	4	Clear strobe tube assemblies
4415	2	15' cable with attached connectors
4420	2	20' cable with attached connectors
LT1511	1	Lighted toggle switch

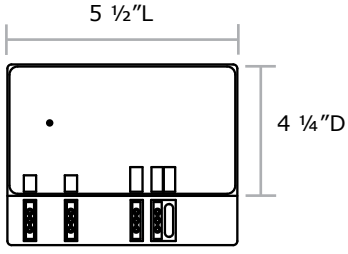
RSK242P

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

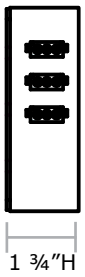


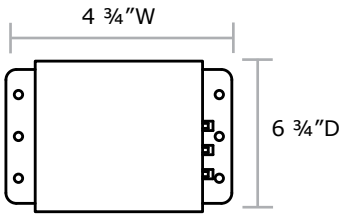


Kit Includes	Qty	
RP242	1	40 watt remote power supply
ST415PC	2	Clear strobe tube assemblies
4415	2	15' cable with attached connectors
LT1511	1	Lighted toggle switch

RSK310P

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

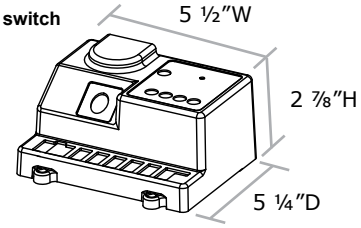
- Strobe tube kit is an economical choice where only two Phantom™ strobe tubes are needed
- Uses the SP3860-2H switch panel
- Fully encapsulated circuit board resists elements

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

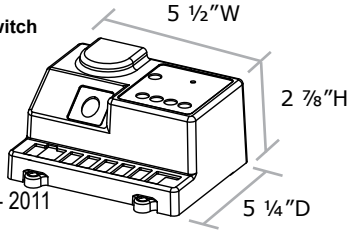
- Incorporates six outlets with 24 customer selectable flash patterns all in a 60 watt system
- Multiple strobe head combinations can be enabled and a customer selectable day/night mode is included
- Auto-power reduction to operating heads in case of head failure
- RFI protection and Visual Diagnostics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



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

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

Remote Kits and Heads

Specifications

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 1st	Joules 2nd	Joules 3rd	Joules 4th	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

Cable

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

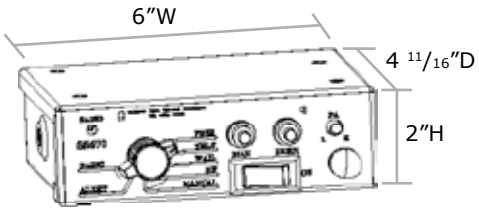
Cable Lengths: 120", 140", 180", 240", 300"

- 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

SS670-013

Back

SS670-013



Model Number

SS670-013

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

Features

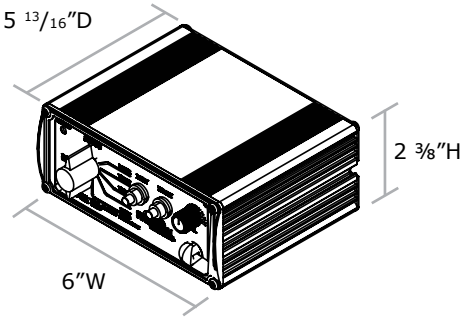
- New connector requires no special terminals
- Integrated public address microphone, volume adjustable from front of siren
- On/off rocker switch
- Positive switching for Auxiliary
- Operates one 100 watt speaker

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

SS700-016

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

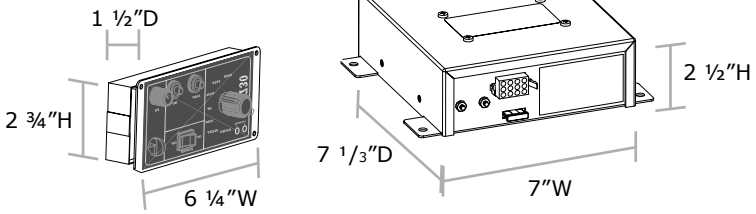
SS730

SS730

Model Number
SS730
SS - Siren

Features
- Integrated public address microphone

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



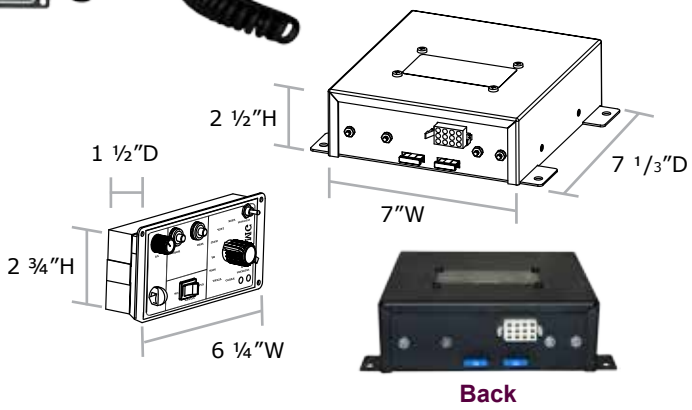
SS741MG-11

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 cycler 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

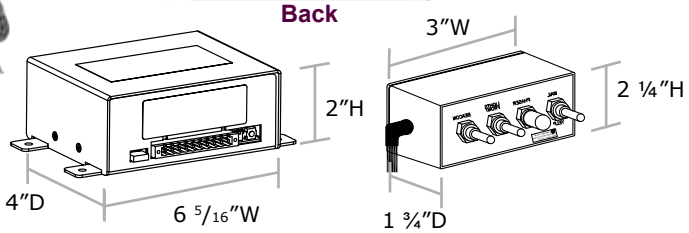
SS651MT-013

SS651MT-013

Back

Model Number
SS651MT-013
013 - Revision year, **MT** - Motorcycle mount, **SS** - Siren

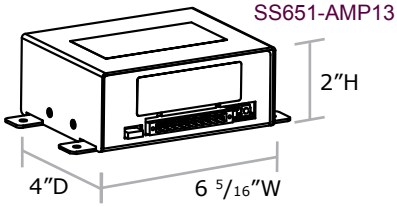
Voltage: 10-16V DC
Amp Draw: 8 amps

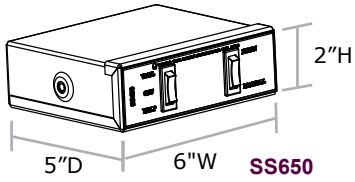


STARSIGNAL Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

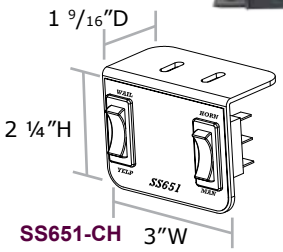
- Wail, Yelp, Air Horn, Phaser, and Manual
- Self-resetting circuit protection against speaker shorts
- Positive or negative switching for Auxiliary and Park Kill inputs
- Combines small size with big power
- Updated rugged amplifier design
- 21 programmable siren tones (Simulated mechanical wail and 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

SS650, SS651





SS650



SS651-CH

SS651 - Back

SS650-013

Model Numbers

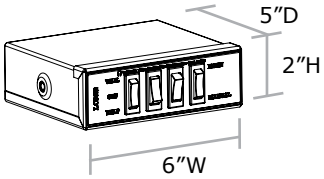
SS650-013 **SS651-013**

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

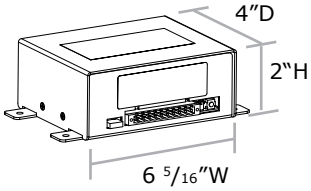
Voltage: 10-16V DC
Amp Draw: 8 amps

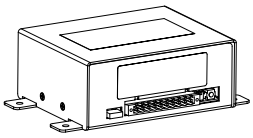
LCS652, LCS653

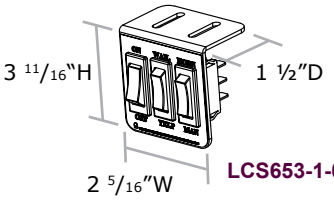
LCS652-013



LCS653-013







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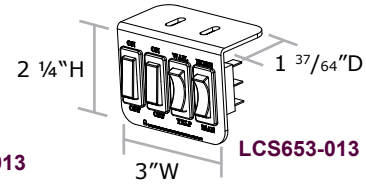


LCS653-013

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

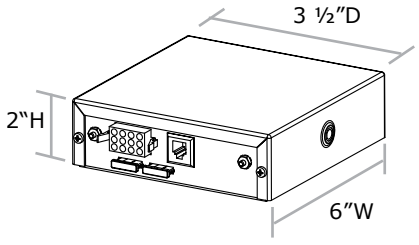
Features

- 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)

- 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

LCS600



Back

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

LCS600

Model Numbers

LCS600

LCS - Light control siren

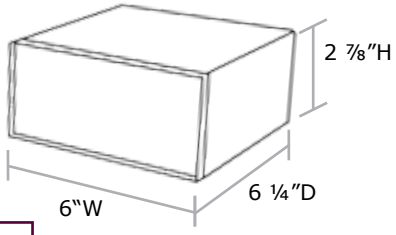
Full Feature Sirens

- 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

LCS770

Back



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

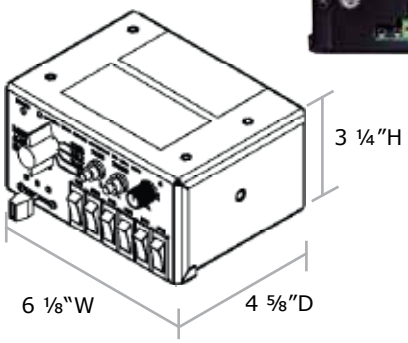
Voltage: 10-16V DC
Amp Draw: 8 amps (per speaker)

LCS771

LCS771

LCS771-LM

Back



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

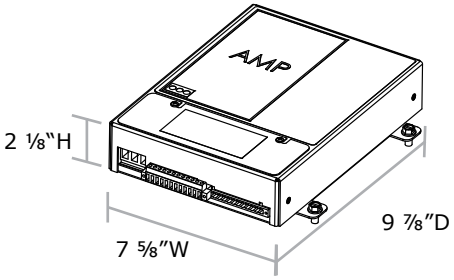
Lighting

- 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

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



LCS850MG12

without flange

with flange

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 ⅛" 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 wore 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

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

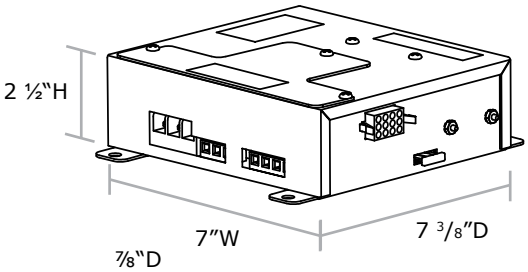
Voltage: 10-16V DC
Amp Draw: 8 amps (per speaker)

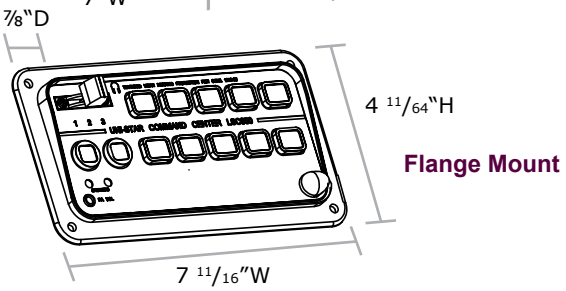
Full Feature Remote Sirens

- 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

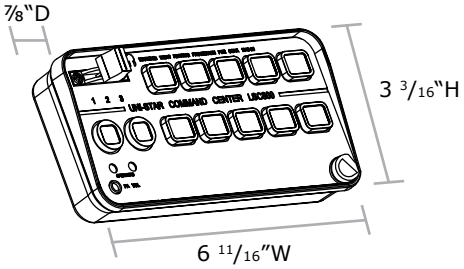
LCS800, LCS850

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

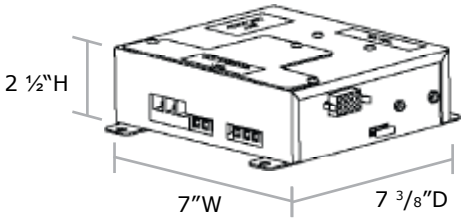
Features

- 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

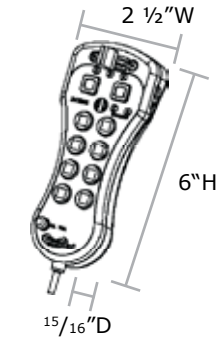
LCS880-008 **LCS881-008**

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

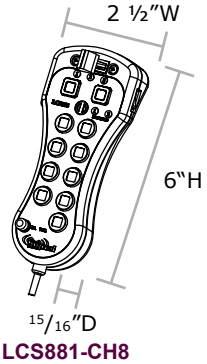
Features

- 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)



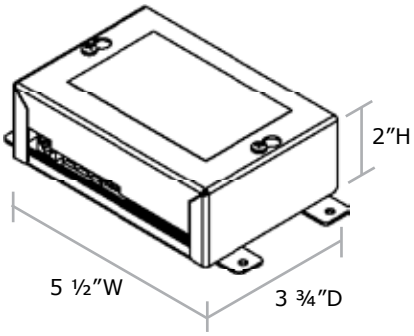
LCS880-CH8

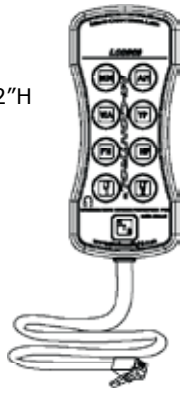


LCS881-CH8

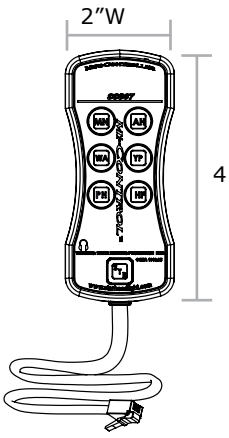
STARSIGNAL Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

- 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





LCS869



SS867

LCS869

SS867

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

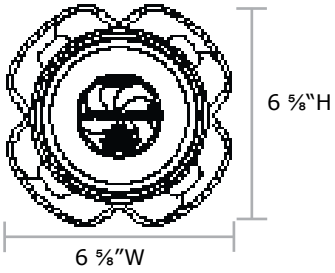
Sirens

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-44-22R	'08 - '09 Ford F-Series Super Duty, passenger side	**D-44-35**	'15 - 16' single bracket for Chevy Tahoe and Suburban, D-44
		D-44-23	'08 - '15 E-350/450	**D-44-36**	'15 - 16' dual bracket for Chevy Tahoe and Suburban, D-44
D-44-17	Center mount bracket '03 - '11 Ford Crown Victoria	**D-44-24**	'07 - '15 Ford Expedition	**D-44-FIS**	'10 - '16 Ford Interceptor Sedan, Direct Plug-n-Play
		D-44-27	'11 - '16 Dodge Charger		
D-44-18	'07 - '15 Chevrolet Suburban '07 - '15 Chevrolet Tahoe	**D-44-28**	'10 - '16 Ford Taurus	**D-44-FISUV**	'10 - '16 Ford Interceptor SUV, Direct Plug-n-Play
		D-44-29	'11 - '15 Ford F350		
D-44-19	'06 - '13 Chevrolet Impala	**D-44-30**	'11 - '15 Dodge 4500		
D-44-20	'06 - '10 Dodge Charger	**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

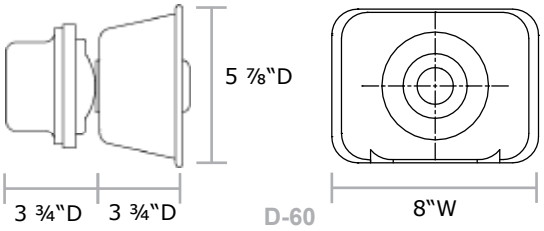
Model Numbers

D-44-DLX4-35-RB **D-44-DLX4-35-CUST**

RB - Red/Blue, **CUST** - Custom color combination

STARSIGNAL VEHICLE PRODUCTS Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

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



D-60

D-60C

D-60LP

D-60-RBS

D-30

D-2000

D-10

D-60-RBB

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)

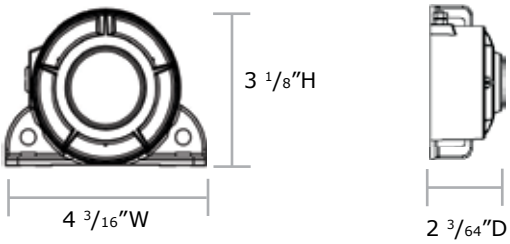
Model #	Input Voltage	Power	Impedance	Weight (lbs.)	Warranty (years) Refer to page 61	Approvals * = SAE J1849 and Title 13 when used with Star siren
BBK-FDCH	10-16V DC	10 amps (per output)	N/A	1	1	N/A
D-10	32V RMS	100 watts	11 ohm	12	1	Meets or Exceeds Acoustical requirements*
D-2000	32V RMS	100 watts	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 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

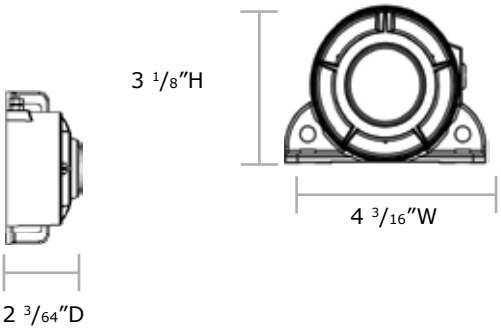
Model #	Voltage	Decibels
66-087SSNS	12 - 36V DC	87 db
66-097SSNS	12 - 36V DC	97 db

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	Description
Spectrum "SS"	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	Description
Night Silent "NS"	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

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

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

Part Number	Dimensions	Weight
SB4020, SB4020-15, SB4040, SB4040-15	2"H x 6"W x 4 ¾"D	5 lbs.
SB4020T	2 ¼"H x 6 ⅛"W x 5 ¼"D	5 lbs.
SB4425T	2 ½"H x 6 ¼"W x 7 ¼"D	5 lbs.

SB3860 Switch Panels SB/SP1515, SB/SP3015

SB3015

SP1515

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

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

Part Number	Dimensions	Weight
SB1515, SB3015	2"H x 4 ½"W x 4"D	2 lbs.
SP1515, SP3015	2"H x 4 ½"W x 4"D	4 lbs.

SP3860-1

SP3860-2
SP3860-2H

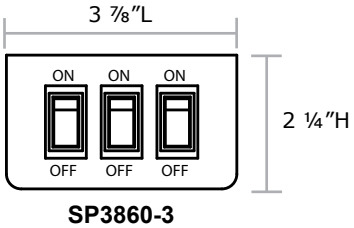
Model Number

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



SP3860-3

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

Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

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

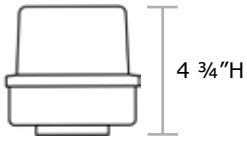
1188HM, Teardrop 1188HM, Hot Shot II

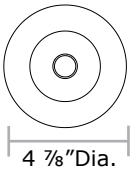
1188HM

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

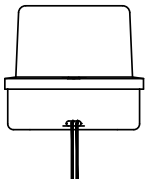




Replacement Parts (* = color)

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

Mounting



Voltage: 12V DC
Amp Draw: 2.1 amps

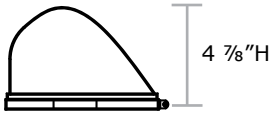
1166HM, Teardrop 1188HM, Hot Shot II

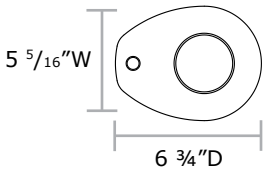
1166HM

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

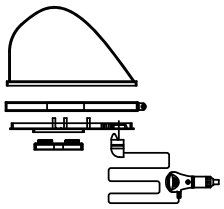




Replacement Parts (* = color)

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



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

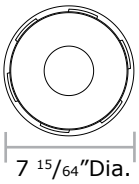
1169HM, Pancake

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

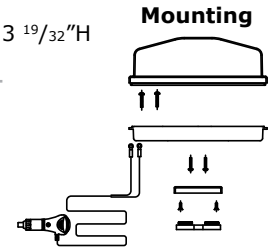
Lens Colors



Replacement Parts (* = color)

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

Mounting



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

Brackets

274-874 Suction Cup Bracket
Dimensions: 4"W x 11"D (adjustable plate)
Weight: 4 lbs.

274-878 Hotshot II Dash Bracket
Dimensions: 4 ¾"H x 10 ⅜"W x 5"D
Weight: 4 lbs.

274-875 Universal Dash Bracket
Dimensions: 4 ½"H x 11 ¾"W x 5 ¾"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

STARSIGNAL VEHICLE PRODUCTS Toll Free Fax Line: 1-888-478-2797 www.starheadlight.com

SR7 Vertical mount two unit organizer, 12 ½"H x 4 5/16"D
2 lbs.

SR9 Vertical mount three unit organizer, 13 ½"H x 4 5/16"D
2 lbs.

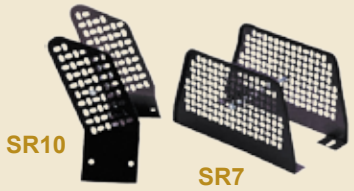
SR10 Horizontal mount three unit organizer, 7"H x 12"D
2.5 lbs.

SR12 Horizontal mount four unit organizer, 7"H x 14"D
2.5 lbs.

274-SL Self-leveling bracket, 11"H x 4 ¼"D
9 lbs.
Two holes on 6 ¼" centers

274-SL1 Self-leveling bracket for Star Mini-Bars®, 11"H x 4 ¼"D
5 lbs.
Three holes on 5 ¾" 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 ¾"H x 9"W x 3 ½"D, 6 lbs.

122BX Holds (2) 6" oval heads, 3 ¾"H x 17"W x 3 ½"D, 9 lbs.

123BX Holds (3) 6" oval heads, 3 ¾"H x 25 ¼"W x 3 ½"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 ¼"D, 2 lbs.

132BX Holds (2) 6" oval heads, 4"H x 16 5/8"W x 3 ¼"D, 5 lbs.

133BX Holds (3) 6" oval heads, 4"H x 25"W x 3 ¼"D, 8 lbs.

141BX Holds (1) 4" round head, 6"H x 6 ¼"W x 3 ½"D, 2 lbs.

142BX Holds (2) 4" round heads, 6"H x 12 ½"W x 3 ½"D, 5 lbs.

143BX Holds (3) 4" round heads, 6"H x 16 ¾"W x 3 ½"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

63-643

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 ⅛"H x 4 ¾"W x 6 ¾"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

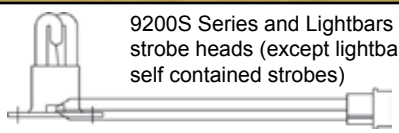
511-1M Clear sealed beam with magnet mount and cig. plug, 3 lbs. 3000cp, Lens colors: ■ ■ ■ □

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

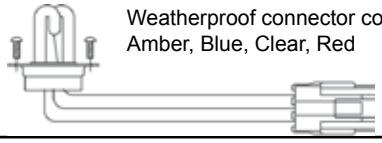
ST3901 SH3904, SH3920, SH3922, Four Corner Strobe Kits Colors: Amber, Blue, Clear, Red

ST3901-7 9200S Series and Lightbars with 360° strobe heads (except lightbars with self contained strobes)

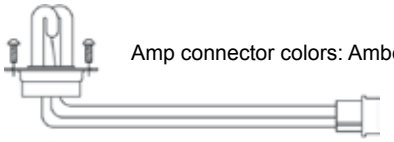


ST3901-12

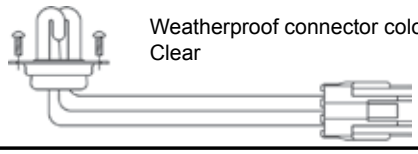
ST413P-W Weatherproof connector colors: Amber, Blue, Clear, Red



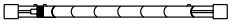
ST413P Amp connector colors: Amber, Blue, Red



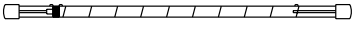
ST415P-W Weatherproof connector color: Clear



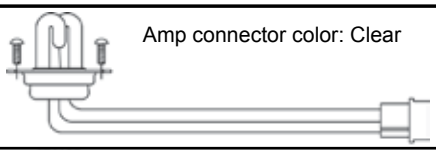
SH3964

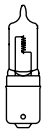
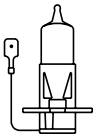
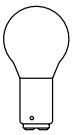
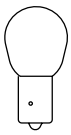
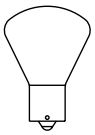
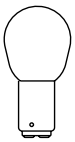
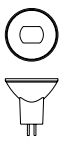
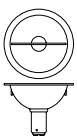


SH3967



ST415PC Amp connector color: Clear



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
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Our main production facility located in the Finger Lakes Region of Upstate New York continues to expand. This "state of the art" facility accommodates all of our in-house electronic and finished product assembly along with plastic injection molding, metal fabrication, product engineering, warehousing, shipping, customer service, sales, and technical support. Having all of these functions under one roof gives us the capability to engineer, build, expedite, and ship your product more efficiently. In the last three years we have added SMT circuit production technology to our list of manufacturing expertise. This new production department will allow us to more efficiently maintain our leadership role in LED warning light technology.

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