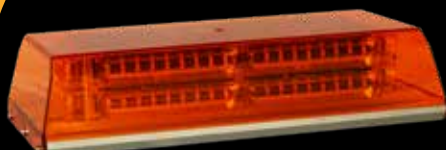
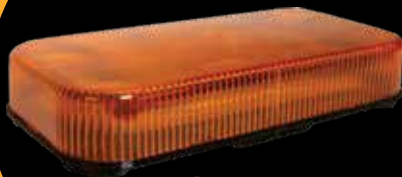


# TABLE OF CONTENTS



Star Nebula Beacons	2
Star Halo® LED Beacons	2 - 7
LED Beacons	7
Compact LED Beacons	8 - 9
LED Beacon Specification Chart	9 - 10
Strobe Beacons	10 - 17
Strobe Beacon Specification Chart	17 - 18
Revolving Beacons	19
Revolving Beacon Specification Chart	20
Halogen Dash Lights and Accessories	20
Halogen Dash Light Specification Chart	20
Flashing Beacons	21 - 22
Flashing Beacons Specification Chart	22
LED Lights	22 - 31
Star Constellation®	32 - 33
LED Light Specification Chart	34
Remote Kits and Heads (LED and Strobe)	35-38
Remote Kits and Head Specification Chart	39
LED Traffic Directors	40 - 43
Traffic Director Specification Chart	44
Star Phantom®	45 - 47
Star Phantom® Specification Chart	47
Vehicle Specific Phantom Brackets	48
LED Mini-Bars	49 - 51
Strobe Mini-Bars	52
Halogen Mini-Bars	52
Star Mini-Bar® Specification Chart	53
LED Lightbars	54 - 60
LED Lightbars Specification Charts	60 - 61
Strobe Lightbars	61 - 64
Strobe Lightbars Specification Charts	64 - 65
Halogen Lightbars	65 - 68
Halogen Lightbar Specification Charts	69
Vehicle Specific Hook Mount Kits	70 - 71
Star Alarm® Back-Up Alarms	72 - 76
Switch Panels and Switch Boxes	77
Starflash™ Flasher Modules	78
Worklights and Accessories	78 - 79
Beacon Buddy	80
Strobe Tube and Bulb Guide	80 - 81
Terms and Warranty Information	81

# STAR NEBULA™ BEACONS

- 12 different selectable flash patterns in either of two phases, plus steady-on
- Extremely low current draw
- Durable polycarbonate twist on/off lens
- S-Link System™ synchronizing capabilities with other Star LED units

- Fully encapsulated circuitry for weather and shock resistance
- Lightweight polycarbonate base, flange three-hole permanent mount, flange two-hole permanent mount, 1" pipe mount, magnet mount, vacuum magnet mount with cig. plug (on/off and pattern select switch)
- See pages 9 - 10 for Specifications and Approvals

266TCL



266TCLV



266TSL

## Model Numbers

266TCFL 266TCLM 266TSFL 266TSLM  
266TCL 266TCLV 266TSL 266TSLV

**C** - Tall lens, **F** - Flange mount, **M** - Magnet mount, **S** - Short lens, **V** - Vacuum magnet mount

**Voltage:** permanent - 10-30V DC, magnet - 10-16V DC  
**Amp Draw:** 0.74 amps @ 12V DC, 0.48 amps @ 24V DC

## Branch Guards (Optional)

Black powder coated steel



274-55TC

**C** - Tall branch guard, **S** - Short branch guard



274-55TS

## Mounting



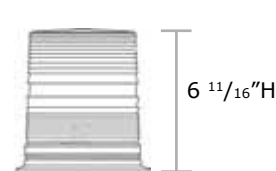
## Replacement Parts (\* = color)

Lens (266TCL)	295TC-*
Lens (266TSL)	297TS-*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-16V
Cig. plug	920-PAT20LO

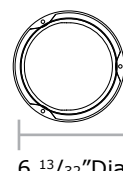
## LED Colors



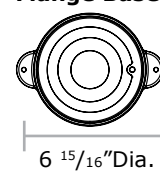
## Lens Colors



## Base



## Flange Base



# STAR HALO® LED BEACONS

- Star Halo® Technology is patented (#8, 662, 702)
- 12 different selectable flash patterns in either of two phases, plus steady-on
- S-Link System™ synchronizing capabilities with other Star LED units

- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw
- See pages 9 - 10 for Specifications and Approvals

255HTL



255HTCLV



255H8TSL

## Model Numbers

255H8TAL 255H8TCLV 255HTAL 255HTCLV  
255H8TALV 255H8TSFL 255HTALV 255HTSFL  
255H8TCFL 255H8TSL 255HTCFL 255HTSL  
255H8TCL 255H8TSLM 255HTCL 255HTSLM  
255H8TCLM 255H8TSLV 255HTCLM 255HTSLV

**A** - Dust cover, **C** - Tall lens, **F** - Two-hole flange mount, **H8L** - Ultra high intensity 8 LEDs, **HL** - High intensity 4 LEDs, **M** - Magnet mount, **S** - Short lens, **V** - Vacuum magnet mount

## Features

- Durable polycarbonate, twist on/off lens
- Lightweight polycarbonate base, flange three-hole permanent mount, flange two-hole permanent mount, 1" pipe mount, magnet mount, vacuum magnet mount with cig. plug (on/off and pattern select switch)

**Voltage:** permanent - 10-30V DC, magnet - 10-16V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC

## Branch Guards (Optional)

Black powder coated steel



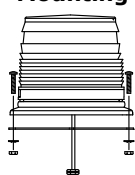
274-55TC

**C** - Tall branch guard, **S** - Short branch guard



274-55TS

## Mounting



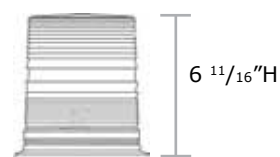
## Colors for 4-LED version



## Colors for 8-LED version



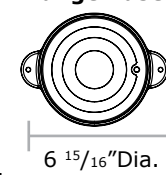
**C** - Clear lens, colored LEDs



## Base



## Flange Base



## Replacement Parts (\* = color)

Lens (255HTCL)	295TC-*
Lens (255HTSL)	297TS-*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-16V
Cig. plug	920-PAT20LO
Tall dome with dust cover	295TA-*

## Colors for 4-LED version



## Colors for 8-LED version



C - Clear lens, colored LEDs

## Branch Guards (Optional)

Black powder coated steel



274-55TC

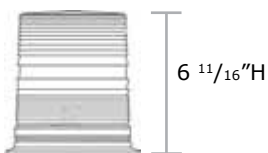


274-55TS

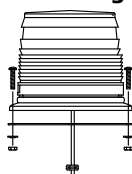
C - Tall branch guard, S - Short branch guard

## Replacement Parts (\* = color)

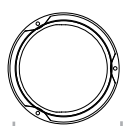
Lens (257HTCL)	295TC-*
Lens (257HTSL)	297TS-*
Vacuum magnet mount	920-16V
O-ring gasket	30047-41
Cig. plug	920-PAT20LO
Tall dome with dust cover	295TA-*



## Mounting



## Base



6 13/32" Dia.



257HTCL

## Model Numbers

257H8TAL 257H8TCLV 257HTCL 257HTSL  
257H8TALV 257H8TSL 257HTCLV 257HTSLV  
257H8TCL 257H8TSLV

A - Dust cover, C - Tall lens, H8L - Ultra high intensity, 8 LEDs, HL - High intensity, 4 LEDs, S - Short lens, V - Vacuum magnet

## Features

- Durable polycarbonate, twist on/off lens
- Die-cast metal, flange three-hole permanent mount, 1" pipe mount, optional vacuum magnet mount with cig. plug (on/off and pattern select switch)

**Voltage:** permanent - 10-30V DC, magnet 10-16V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC

## Colors for 4-LED version



## Colors for 8-LED version



C - Clear lens, colored LEDs

## Branch Guards (Optional)

Black powder coated steel

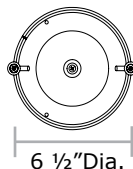
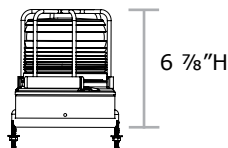


274-55TC

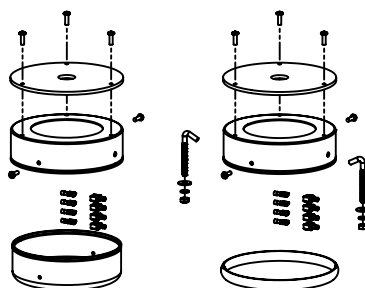


274-55TS

C - Tall branch guard, S - Short branch guard



6 1/2" Dia.

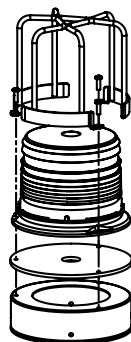


BB274-251DK

BB274-251K

## Replacement Parts (\* = color)

Lens (251HTCL)	295TC-*
Lens (251HTSL)	297TS-*
O-ring gasket	30047-41
Dust cover	396-C
Tall dome with dust cover	295TA-*



## Mounting



251HTAL-BG-A



251HTSL-BG-A

## Model Numbers

251H8TAL 251H8TSL 251HTCL  
251H8TAL-BG 251H8TSL-BG 251HTCL-BG  
251H8TCL 251HTAL 251HTSL  
251H8TCL-BG 251HTAL-BG 251HTSL-BG

A - Dust cover, BG - Branch guard, C - Tall lens, H8L - Ultra high intensity 8 LEDs, HL - High intensity 4 LEDs, S - Short lens

## Features

- Two rotating flash patterns, high/low intensity feature
- LED direct replacement for lights that install on a 6 1/2" style base
- Durable polycarbonate, twist on/off lens
- Lightweight, polycarbonate, universal flange base attached to an open aluminum spun base
- J-hook mount kit included

**Voltage:** 10-30V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC



# STAR HALO® LED BEACONS

- Star Halo® Technology is patented (#8, 662, 702)
- 12 different selectable flash patterns in either of two phases, plus steady-on
- S-Link System™ synchronizing capabilities with other Star LED units

- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw
- See pages 9 - 10 for Specifications and Approvals

200AHL



200AH8L

## Model Numbers

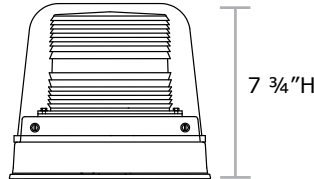
200AH8L 200AHL

**A** - Tall lens with dust cover, plastic insert base, **H8L** - Ultra high intensity, 8 LEDs, **HL** - High intensity, 4 LEDs

## Features

- Durable polycarbonate inner lens and outer dome
- Clear, smooth, outer dome for easy cleaning and provides inner lens protection
- Heavy duty spun aluminum base with plastic base insert
- Universal mounting: permanent mount, 1" pipe mount with plate
- Designed for a wide range of light and heavy duty vehicles

**Voltage:** 10-30V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC



7 3/4"H

## Replacement Parts (\* = color)

Outer dome with holes	134-LD-*
Lens	300-*
Plastic base insert	101-AP
Mounting kit	S278-6
Gasket	301

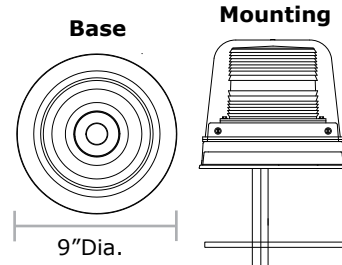
## Colors for 4-LED version



## Colors for 8-LED version



C - Clear lens, colored LEDs



Base

Mounting

9"Dia.

200BHL



200BH8L

## Model Numbers

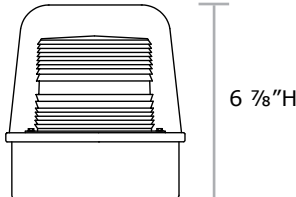
200BH8L 200BHL

**B** - Tall lens with dust cover, closed bottom base, **H8L** - Ultra high intensity, 8 LEDs, **HL** - High intensity, 4 LEDs

## Features

- Durable polycarbonate inner lens and outer dome
- Clear, smooth, outer dome for easy cleaning and provides inner lens protection
- Heavy duty spun closed aluminum base
- Universal mounting: permanent mount, 3/4" pipe mount with plate

**Voltage:** 10-30V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC



6 7/8"H

## Replacement Parts (\* = color)

Outer dome	134-L-*
Lens	300-*
Clamp ring	4022
Male enlarger (1/2" to 3/4")	316
Mounting kit	S278-6
Gasket	301

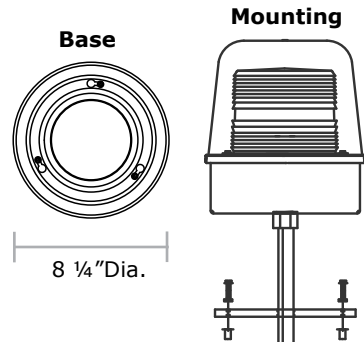
## Colors for 4-LED version



## Colors for 8-LED version



C - Clear lens, colored LEDs



Base

Mounting

8 1/4"Dia.

200CHL



200CHL

## Model Numbers

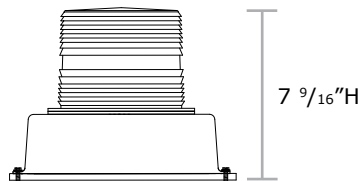
200CFH8L 200CFHL 200CH8L 200CHL

**F** - Three-hole flange mount, **H8L** - Ultra high intensity, 8 LEDs, **HL** - High intensity, 4 LEDs

## Features

- Durable polycarbonate lens
- Heavy duty spun open aluminum base
- Universal mounting: permanent, three-hole flange mount
- Ideal for medium to heavy strobe needs

**Voltage:** 10-30V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC



7 9/16"H

## Replacement Parts (\* = color)

Lens	300-*
Mount kit	200AMK
Channel gasket	111C
Gasket	301

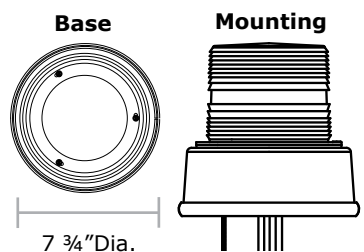
## Colors for 4-LED version



## Colors for 8-LED version



C - Clear lens, colored LEDs



Base

Mounting

7 3/4"Dia.



## Colors for 4-LED version

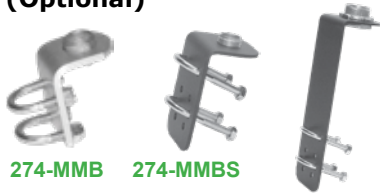


## Colors for 8-LED version



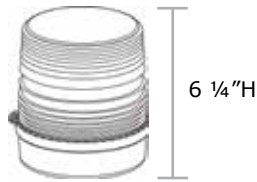
C - Clear lens, colored LEDs

## Mirror mount brackets (Optional)

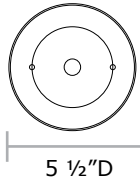


## Replacement Parts (\* = color)

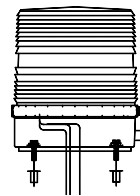
Lens	300-S-*
Base	4100LF
Clamp ring	365
Cig. plug	920-PAT20LO
Magnet	177



Base



Mounting



## Model Numbers

**200SH8L** **200SH8LM** **200SHL** **200SHLM**  
**H8L** - Ultra high intensity, 8 LEDs, **HL** - High intensity, 4 LEDs,  
**M** - Magnet

## Features

- Durable polycarbonate lens
- Rugged die-cast aluminum base with powder coat finish
- Universal permanent mount, standard 1/2" pipe mount, optional magnet mount with cig. plug (on/off switch and pattern select)

**Voltage:** permanent - 10-30V DC, magnet 10-16V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC

## Colors for 4-LED version

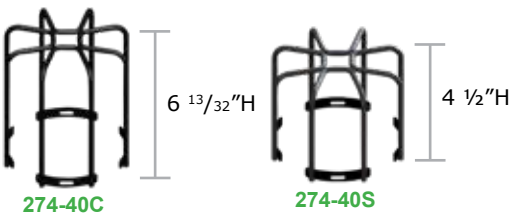


## Colors for 8-LED version



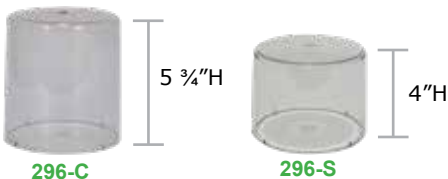
C - Clear lens, colored LEDs

## Branch Guards (Optional) Black powder coated steel

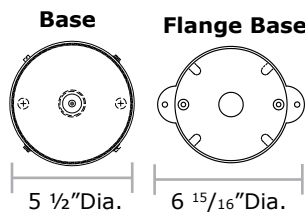


C - Tall branch guard, S - Short branch guard

## Dust Cover (Optional)



C - Tall dome, S - Short dome



## Model Numbers

**240H8AFL** **240H8CL** **240H8SLM** **240HSFL**  
**240H8AL** **240H8CLM** **240HCFL** **240HSGL**  
**240H8ALM** **240H8SGL** **240HCL** **240HSL**  
**240H8CFL** **240H8SFL** **240HCLM** **240HSLM**  
**240H8CFL-G**

**A** - Dust cover, **C** - Tall lens, **F** - Flange base 1" pipe mount,  
**-G** - Branch guard, **G** - G plate, **H8L** - Ultra high intensity, 8 LEDs, **HL** - High intensity, 4 LEDs, **M** - Magnet mount,  
**S** - Short lens

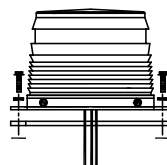
## Features

- Durable polycarbonate lens
- Rugged die-cast aluminum base with powder coat finish
- Universal permanent mount, flange mount, 1" pipe mount, optional magnet mount with cig. plug (on/off switch and pattern select)

**Voltage:** permanent - 10-30V DC, magnet 10-16V DC  
**Amp Draw:** 0.6 amps @ 12V DC, 0.3 amps @ 24V DC



Mounting



## Replacement Parts (\* = color)

Lens (240C)	295-*
Lens (240S)	297-*
Magnet	177
Cig. plug	920-PAT20LO

# STAR HALO® LED BEACONS

- Star Halo® Technology is patented (#8, 662, 702)
- Generation IV LEDs (four of each color), **Dual-Color**
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Independent pattern selector for each color

- Fully encapsulated circuitry for weather and shock resistance
- S-Link System™ synchronizing capabilities with other Star LED units
- Extremely low current draw
- See pages 9 - 10 for Specifications and Approvals



## Model Number

**200AHDL**

**A** - Dust cover, **D** - Dual-Color

## Features

- Durable polycarbonate inner lens and outer dome
- Clear, smooth outer dome for easy cleaning and provides inner lens protection
- Heavy duty spun aluminum base with plastic base insert
- Universal mounting: permanent mount, 1" pipe mount with plate

**Voltage:** 10-30V DC  
**Amp Draw:** 0.6 amps @ 10-30V DC,  
 0.3 amps @ 24V DC



## Replacement Parts (\* = color)

Outer dome	134-LD-*
Lens	300-*
Plastic base insert	101-AP
Mounting kit	S278-6
Gasket	301

## Star Halo DC™ DUAL COLOR

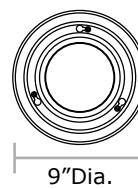
### Split LED Colors



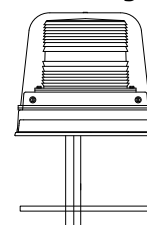
### Outer Dome and Inner Lens Color



#### Base



#### Mounting



**200SHDL**



**200SHDLM**



## Model Numbers

**200SHDL 200SHDLM**

**D** - Dual-Color, **M** - Magnet mount

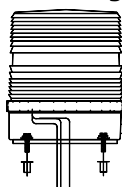
## Features

- Halo rotating, two color LEDs
- Rugged die-cast aluminum base
- Permanent mount, standard pipe 1/2" mount, optional magnet mount with cig. plug (on/off switch and pattern select)

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



#### Mounting



## Replacement Parts (\* = color)

Lens	300-S-*
Base	4100LF
Clamp ring	365
Cig. plug	920-PAT20LO
Magnet	177

## Star Halo DC™ DUAL COLOR

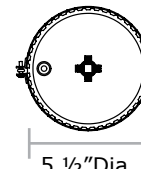
### Split LED Colors



### Lens Color



#### Base



### Mirror mount brackets (Optional)



**258HTDCL**



**258HTDSL**



## Model Numbers

**258HTDAL 258HTDCL 258HTDSL**  
**258HTDALV 258HTDCLV 258HTDSL**

**A** - Dust cover, **C** - Tall lens, **D** - Dual-Color, **S** - Short lens,  
**V** - Vacuum magnet mount

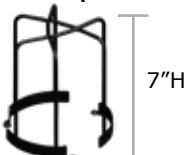
## Features

- Features the first "full image" **Dual-Color** warning lights
- Allows you to change between colors with the flip of a switch
- Lightweight polycarbonate, flange three-hole permanent mount, 1" pipe mount (optional vacuum magnet mount with cig. plug)
- Cig. plug has two independent power switches, one for each color

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

## Branch Guards (Optional)

### Black powder coated steel



**274-55TC**



**274-55TS**

**C** - Tall branch guard, **S** - Short branch guard

## Replacement Parts (\* = color)

Lens (255HTCL)	295TC-*
Lens (255HTSL)	297TS-*
Tall dome with dust cover	295TA-*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-16V
Cig. plug	920-PAT20LO

## Star Halo DC™ DUAL COLOR

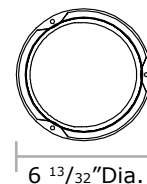
### Split LED Colors



### Lens Color



#### Base



**4 3/4"H**



**6 11/16"H**

# STAR HALO® LED BEACONS

- Four LED Star Halo® tower or rotating version available (200ZHRL)
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Durable polycarbonate, twist on/off lens

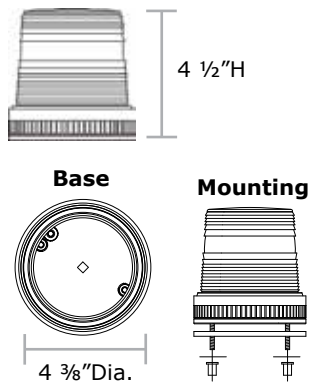
- Heavy duty die-cast base
- Permanent mount, magnet mount (cig. plug with pattern select), and ½" NPT pipe mount
- See pages 9 - 10 for Specifications and Approvals

## Mirror mount brackets (Optional)



## Replacement Parts (\* = color)

Dome	P4250-1*
Magnet	30026-2
Cig. plug	920-PAT20LO



## Lens Colors



## Model Numbers

200ZHL 200ZHLM 200ZHRL 200ZHRLM  
M - Magnet mount, R - Rotating pattern

**Voltage:** rotating - 10-30V DC, non-rotating and magnet - 10-16V DC

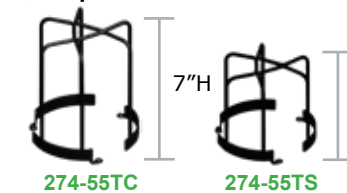
**Amp Draw:** 0.5 amps @ 12V DC

# LED BEACONS

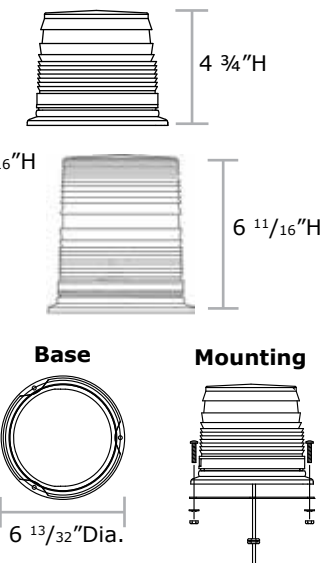
- 26 customer selectable flash patterns, plus steady-on
- Star Generation IV LEDs
- Fully encapsulated circuitry for weather and shock resistance

- Shipped in quad flash mode
- Extremely low current draw
- See pages 9 - 10 for Specifications and Approvals

## Branch Guards (Optional) Black powder coated steel



C - Tall branch guard, S - Short branch guard



## Lens Colors



256TSL-C

256TCL-A

## Model Numbers

256TCFL 256TCLM 256TSFL 256TSLM  
256TCL 256TCLV 256TSL 256TSLV

C - Tall lens, F - Flange, M - Magnet mount, S - Short lens, V - Vacuum magnet mount

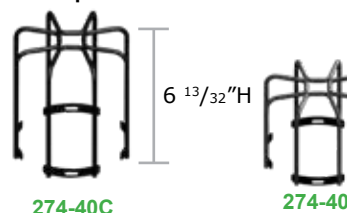
## Features

- Lightweight polycarbonate base, flange three-hole permanent mount, flange two-hole permanent mount, 1" pipe mount, magnet mount, vacuum magnet mount with cig. plug (on/off and pattern select switch)

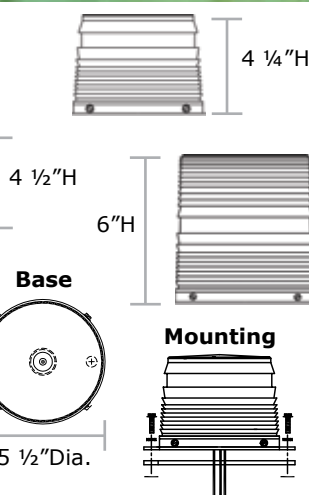
**Voltage:** permanent - 10-30V DC, magnet 10-16V DC

**Amp Draw:** 0.4 amps @ 12V DC, 0.8 amps

## Branch Guards (Optional) Black powder coated steel



C - Tall branch guard, S - Short branch guard



## Lens Colors



240SFL-C

240CFL-A

## Model Numbers

240CFL 240SFL  
C - Tall lens, F - Flange mount, S - Short lens

## Features

- Durable polycarbonate screw on lens, rugged die-cast aluminum base with powder coat finish and universal mounting: permanent mount, 1" pipe mount

**Voltage:** 10-30V DC

**Amp Draw:** 0.4 amps @ 12V DC, 0.8 amps

## Replacement Parts (\* = color)

Lens (240C)	295-*
Lens (240S)	297-*

200ZHL

C2 - 256T

C2 - 240



# COMPACT LED BEACON

- Two Star Generation IV LEDs
- Long life LEDs, rated for over 100,000 hours
- 28 customer selectable flash patterns, plus two steady-on, cycle all

- Compact and powerful LED light output
- External pattern select wire (permanent mount only)
- Fully encapsulated circuitry for weather and shock resistance
- See pages 9 - 10 for Specifications and Approvals

200ZL



**Voltage:** 10-16V DC or 10-110V DC  
**Amp Draw:** 0.35 amps @ 12V,  
 0.13 amps @ 110V DC

## Mirror mount brackets (Optional)



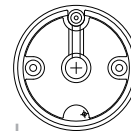
## Replacement Parts (\* = color)

Lens	330-*
Cig. plug with lighted on/off switch	920-PAT20LO
Gasket	381
Clamp ring	365-Z
Magnet	177
Eye shield	386

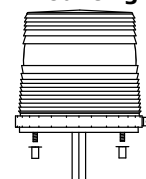
## Lens Colors



## Base



## Mounting



## Model Numbers

**200ZL 200ZL-110 200ZLM**

**110** - 10-110 Volt, **M** - Magnet mount

## Features

- Durable polycarbonate lens, clamped to a rugged die-cast aluminum base with a fully gasketed aluminum retaining ring to enhance water resistance
- Permanent mount with 1/2" pipe mount
- Optional magnet mount

201ZL



**Voltage:** 10-16V DC or 10-110V DC  
**Amp Draw:** 0.35 amps @ 12V,  
 0.13 amps @ 110V DC

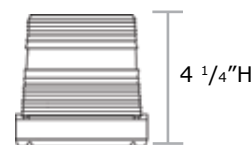
## Mirror mount brackets (Optional)



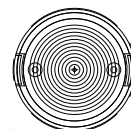
## Replacement Parts (\* = color)

Lens	330-*1
O-ring gasket	P30047-8
Magnet	177
Cig. plug with lighted on/off switch	920-PAT20LO
Eye shield	386

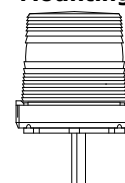
## Lens Colors



## Base



## Mounting



## Model Numbers

**201ZL 201ZL-110 201ZLM**

**110** - 10-110 Volt, **M** - Magnet mount

## Features

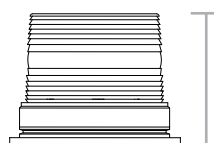
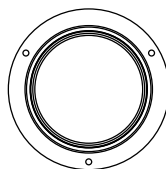
- Snap-on polycarbonate lens
- Durable ABS plastic base
- Permanent mount with 1/2" pipe mount
- Optional magnet mount

203MVL



**Voltage:** 10-16V DC or 10-110V DC  
**Amp Draw:** 0.35 amps @ 12V DC, 0.13 amps @ 110V DC

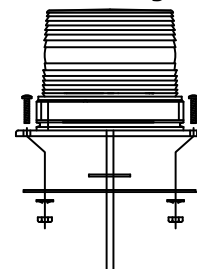
## Base



## Lens Colors



## Mounting



## Model Numbers

**203MVL 203MVL-110 203MVLM**

**110** - 10-110 Volt, **MVL** - Permanent, **MVLM** - Magnet mount

## Features

- Twist on/off lens for quick field maintenance
- Durable ABS plastic base
- Durable polycarbonate lens
- Permanent mount flange with 1/2" pipe mount
- Optional magnet mount

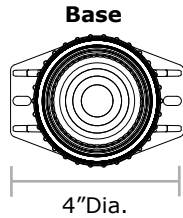
## Replacement Parts (\* = color)

Lens	320-*
Cig. plug	920-PAT20LO
Magnet	30026-3

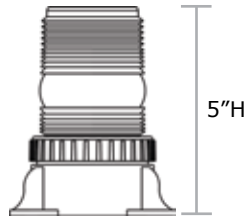
## Lens Color



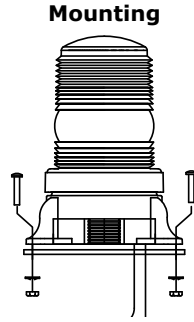
**Voltage:** 10-16V DC or 10-110V DC  
**Amp Draw:** 0.35 @ 12V DC, 0.13 @ 110V DC



4" Dia.



5"H



## Mounting

## Replacement Parts (\* = color)

Lens 234-\*

## Model Numbers

**204MVL 204MVL-110**

**110** - 10-110 Volt, **MVL** - Permanent, flange mount

## Features

- Space saving solution
- Twist on/off lens for quick field maintenance
- Durable ABS plastic base
- Permanent flange mount with ½" pipe mount

Model #	Voltage	Amp Draw	Weight (lbs.) S - short dome C - tall dome bg - branch guard	Warranty (years) Refer to page 81	Approvals (* = does not apply to all flash patterns) (A - Amber, B - Blue, R - Red, C - Clear) CA - California Title 13, ** - SAE J845
200AH8L, 200AHL, 200BH8L, 200BHL	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	4	5	(H8L) Class I (A, B, C, R)*, CA (A, R)*, (HL) Class I (A, AC, C)*, Class II (B, BC, R, RC)
200AHD	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	4	5	Class II (A/B)*
200CFH8L, 200CFHL, 200CH8L, 200CHL	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	4	5	(H8L) Class I (A, B, C, R)*, (HL) Class I (A, AC, C), Class II B, BC, R, RC)*
200SH8L, 200SH8LM, 200SHL, 200SHLM	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 3 magnet - 4	5	(H8L) Class I (A, B, C, R)*, (HL) Class I (A, AC, C)*, Class II (B, BC, R, RC)*
200SHDL, 200SHDLM	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 3 magnet - 4	5	** Class II
200ZHL, 200ZHLM	10-16V DC	0.5 amps @ 12V DC	perm. - 2 magnet - 3	5	** Class I (A, BC, C, R)*
200ZHL, 200ZHLM	10-30V DC 10-16V magnet	0.5 amps @ 12V DC	perm. - 2 magnet - 3	5	** Class I (A, AC, C)*
200ZL, 200ZLM, 200ZL-110	10-16V DC 10-110V DC	0.35 amps @ 12V DC 0.13 amps @ 110V DC	perm. - 2 magnet - 2.5	5	Class III (A)*
201ZL, 201ZLM, 201ZL-110	10-16V DC 10-110V DC	0.35 amps @ 12V DC 0.13 amps @ 110V DC	perm. - 1.5 magnet - 2	5	Class III (A)*
203MVL, 203MVLM, 203MVL-110	10-16V DC 10-110V DC	0.35 amps @ 12V DC 0.13 amps @ 110V DC	perm. - 1 magnet - 2	5	Class III (A)*
204MVL	10-16V DC	0.35 amps @ 12V DC	1	5	Class III (A)*
204MVL-110	10-110V DC	0.13 amps @ 110V DC	1	5	Class III (A)*
240H8AFL, 240H8AL, 240H8ALM	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 2 magnet - 4	5	Class I (A, C)*, CA* (A, R)
240H8CFL, 240H8CL, 240H8CLM, 240HCFL, 240HCL, 240HCLM	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 3 magnet - 5	5	(H8CL) Class I (A, C, R)*, CA (A, R), (HCL) Class I (A, AC, BC, C), Class II (B, BC, C, R, RC)
240H8CFL-G, 240H8SGL, 240HSGL	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 3, w/bg - 4	5	(H8SL) Class I (A, R), Class II (B, C)*, (HSL) Class I (A), Class II (B, C, R)*
240H8SFL, 240H8SL, 240H8SLM, 240HSFL, 240HSL, 240HSLM	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - 2 magnet - 5	5	(H8SL) Class I (A, R), Class II (B, C)*, (HSL) Class I (A), Class II (B, C, R)*
240CFL, 240SFL	10-30V DC	0.4 amps @ 12V DC	S - 2, with bg - 3 C - 3, with bg - 4	5	Class II (A or C only)*
251H8TAL, 251H8TAL-BG, 251H8TCL, 251H8TCL-BG, 251H8TSL, 251H8TSL-BG, 251HTAL, 251HTAL-BG, 251HTCL, 251HTCL-BG, 251HTSL, 251HTSL-BG	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	S - 2, with bg - 3 C - 3, with bg - 4	5	Class I (A)*
255H8TAL, 255HTAL	10-30V DC	0.6 amps @ 12V DC 0.3 amps @ 24V DC	S - 2 C - 3	5	Class I (A, C)

## LED BEACONS

Model Number	Voltage	Amp Draw	Weight (lbs.) (S - short dome, C - tall dome)	Warranty (years) Refer to page 81	Approvals (* = does not apply to all flash patterns) (A - Amber, B - Blue, R - Red, C - Clear) CA - California Title 13, ** - SAE J845
255H8TCL, 255H8TCLM, 255H8TCLV, 255H8TSL, 255H8TSLM, 255H8TSLV, 255HTCL, 255HTCLM, 255HTCLV, 255HTSL, 255HTSLM, 255HTSLV	10-30V DC magnet 10-16V	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. - S - 2, C - 3 magnet - S - 4, C - 5 vac. - S - 6, C - 7	5	(H8CL) Class I (A, R, B, C)*, (HCL) Class I (A, AC, BC, C), Class II (B, R, RC), (H8SL) Class I (A, R), Class II (B, C)*, (HSL) Class I (A, AC), Class II (B, BC, C, R, RC)
256TCL, 256TCLM, 256TCLV, 256TSL, 256TSLM, 256TSLV	10-30V DC 10-16V magnet	0.4 amps @ 12V DC	perm. S - 2, C - 3, mag. S - 5, C - 6, vac. S - 7, C - 8	5	Class II (A or C only)*
257H8TAL, 257H8TALV, 257H8TCL, 257H8TCLV, 257HTCL	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. C - 3, vac. C - 7	5	(H8AL) Class I (A, C), CA (A, R), (H8CL) Class I (A, AC, BC, C), Class II (B, R, RC)*
257H8TSL, 257H8TSLV, 257HTSL	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. S - 2, vac. S - 6,	5	(H8SL) Class I (A, R)*, Class II (B,C)*, (HSL) Class I (A), Class II (B,C,R)*
258HTDAL, 258HTDCL, 258HTDSL, 258HTDALV, 258HTDCLV, 258HTDSL	10-30V DC 10-16V magnet	0.6 amps @ 12V DC 0.3 amps @ 24V DC	perm. C - 3, S - 2 vac. C - 7, S - 6	5	(HTCL) Class I (AB, AW)*, Class II (AR, RW), (HTSL) Class II (AB, AR, AW, RW, RB)
266TCFL, 266TCL, 266TCLM, 266TCLV, 266TSFL, 266TSL, 266TSLM, 266TSLV	10-30V DC	0.7 amps @ 12V DC	perm. S - 2, C - 3, mag. S - 5, C - 6, vac. S - 7, C - 8	5	Class I (A)

## STROBE BEACONS

- Smooth outer dome for easy cleaning which also protects the inner Fresnel lens
- Built with heavy duty spun aluminum bases
- See pages 17 - 18 for Specifications and Approvals



200A

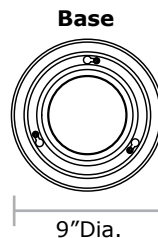
## Model Numbers

200A 200ADH 200AQH

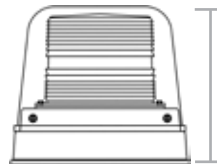
**A** - Dust cover, plastic bottom base, **D** - Double flash, high power, **H** - High power, **Q** - Quad flash, high power

## Features

- Open bottom base with plastic base insert

**Voltage:** 12-24V DC**Amp Draw:** 2 amps, high power - 3.2 amps

9" Dia.



7 3/4" H

## Replacement Parts (\* = color)

Outer dome	134-L-*
Lens	300-*
Strobe tube	129
High power strobe tube	129-DH
Circuit (high power, double flash)	181-DH-12
Circuit (high power, quad flash)	181-QH-12
Channel gasket	111A
Plastic base insert	101-AP

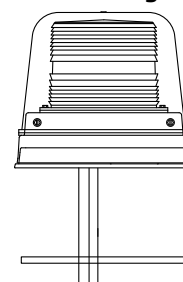
## Inner Lens Colors



## Outer Dome



## Mounting



200B

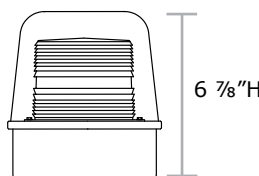
## Model Numbers

200B 200BDH 200BQH

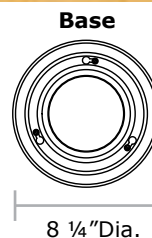
**B** - Dust cover, closed bottom base, **DH** - Double flash, high power, **BQH** - Quad flash, high power

## Features

- Enclosed base

**Voltage:** 12-24V DC**Amp Draw:** 2 amps, high power - 3.2 amps

6 7/8" H



8 1/4" Dia.

## Replacement Parts (\* = color)

Outer Dome	134-L-*
Lens	300-*
Strobe tube	129
High power strobe tube	129-DH
Circuit (standard power)	181-SDQ-12
Circuit (high power, double flash)	181-DH-12
Circuit (high power, quad flash)	181-QH-12
Clamp ring	4022

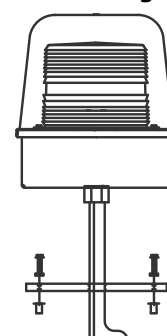
## Inner Lens Colors



## Outer Dome



## Mounting



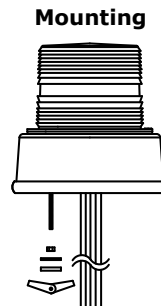
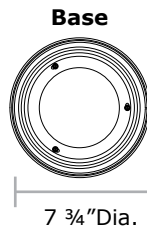
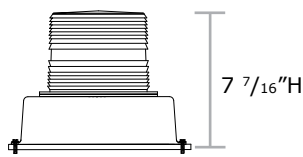


# STROBE BEACONS

- Durable polycarbonate lens
- Built with anodized spun aluminum bases for increased durability and weather resistance

- Permanent mount
- Ideal for medium to heavy duty applications
- See pages 17 - 18 for Specifications and Approvals

## Lens Colors



200C



## Model Numbers

200C 200CF

F - Flange base

## Features

- Selectable flash patterns single, double, and quad flash

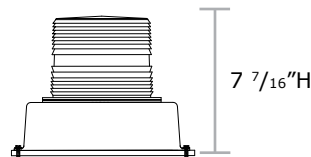
**Voltage:** 12-24V DC

**Amp Draw:** 2 amps

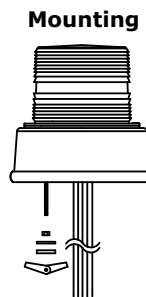
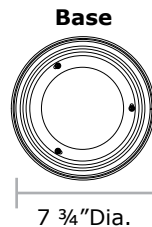
## Replacement Parts (\* = color)

Lens	300-*
Strobe tube	129
Circuit	181-110
Channel gasket	111C

## Lens Colors



**Voltage:** 110-120V DC  
**Amp Draw:** 2 amps, high power - 3.2 amps



200E



## Model Numbers

200E

E - 110V

## Features

- Selectable high/low intensity is a standard feature in double and quad flash
- An optional photocell is available for high power models that automatically switches to lower intensity in low light conditions
- Permanent mount

## Replacement Parts (\* = color)

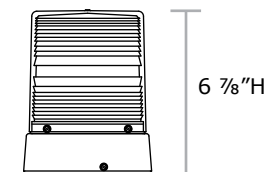
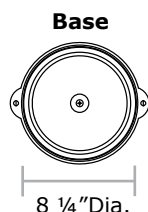
Lens	300-*
Strobe tube	129
Circuit (standard power)	181-SDQ-12
Channel gasket	111C

# STROBE BEACONS

- High visibility
- Fully gasketed lens and base protects against elements
- Anodized spun aluminum case and rugged die-cast base plate

- For heavy duty applications
- See pages 17 - 18 for Specifications and Approvals

## Lens Colors



250C



250S

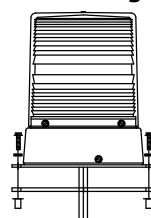


250ADH

## Replacement Parts (\* = color)

Outer dust cover (250A)	296-*
Lens (250A and 250C)	295-*
Lens (250S)	297-*
Strobe tube	129-DH
Strobe tube (single flash mode)	129
Timing head (single flash)	180
Power supply (high power single flash)	(2) 181-12
Circuit (high power, double flash)	181-DH-12
Circuit (high power, quad flash)	181-QH-12
Base plate	331

## Mounting



## Model Numbers

250A	250AQH	250CH	250SDH
250ADH	250C	250CQH	250SH
250AH	250CDH	250S	250SQH

**A** - Dust cover, **C** - Tall lens, **D** - Double flash, **H** - High power, **Q** - Quad flash, **S** - Short lens

**Voltage:** single flash - 12V DC, double/quad flash - 12-24V DC

**Amp Draw:** single flash - 3.6 amps, double/quad flash - 3.2 amps

200C

200E

250

# STROBE BEACONS

- Field selectable flash patterns via internal jumper for single, double, or quad flash (ships in quad flash)
- Fully encapsulated circuitry for weather and shock resistance

- RFI protection
- Durable polycarbonate lens
- See pages 17 - 18 for Specifications and Approvals

255HTC



255HTC



255HTCM

## Model Numbers

255HTC 255HTCM 255HTCV 257HTC 257HTS

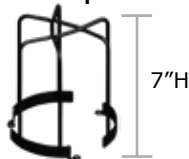
7 - Die-cast metal base, C - Tall lens, M - Magnet mount, S - Short lens, V - Vacuum magnet mount

## Features

- High profile
- Patented LED diagnostic indicator is standard
- Photocell for automatic "night" mode switching
- Lens easily twists on/off the durable plastic, universal mount, flange base
- 255 - Lightweight polycarbonate, flange three-hole permanent mount, 1" pipe mount, optional vacuum magnet mount with cig. plug (lighted on/off switch)
- 257 - Die-cast metal base, flange three-hole permanent mount, 1" pipe mount

**Voltage:** permanent - 12-24V DC, magnet - 12V DC  
**Amp Draw:** 2 amps @ 12V DC, 1 amp @ 24V DC

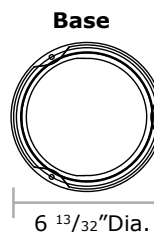
## Branch Guard (Optional) Black powder coated steel



274-55TC  
C - Tall branch guard

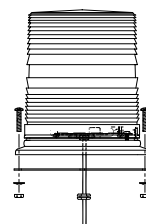


6 11/16"H



Base  
6 13/32"Dia.

## Mounting



## Replacement Parts (\* = color)

Lens	295TC-*
Strobe tube	129
Circuit	181-HT-DQ
Cig. plug with lighted on/off switch	176-SW
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet	920-16V

255T



255TC



255TS

## Model Numbers

255TC 255TCV 255TSM 257TC

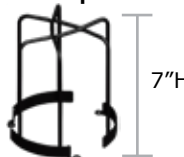
255TCM 255TS 255TSV 257TS

7 - Die-cast metal base, C - Tall lens, M - Magnet mount, S - Short lens, V - Vacuum magnet mount

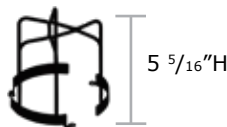
## Features

- Protected with a low voltage shutdown feature
- Lens easily twists on/off the durable polycarbonate, universal mount, flange base
- 255 - Lightweight polycarbonate, flange three-hole permanent mount, 1" pipe mount, optional vacuum magnet mount with cig. plug (lighted on/off switch)
- 257 - Die-cast metal base, flange three-hole permanent mount, 1" pipe mount

## Branch Guards (Optional) Black powder coated steel



274-55TC

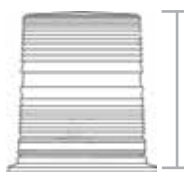


274-55TS

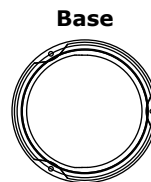
C - Tall branch guard, S - Short branch guard



4 3/4"H



6 11/16"H



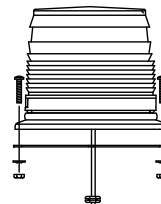
Base

6 13/32"Dia.

## Lens Colors



## Mounting



## Replacement Parts (\* = color)

Lens (255TC Series)	295TC-*
Lens (255TC Series)	297TS-*
Strobe tube	129
Circuit	462-1
Cig. plug with lighted on/off switch	176-SW
Magnet mount	177-3
Vacuum magnet mount	920-16V
O-ring gasket	30047-41

**Voltage:** permanent - 12-48V DC, magnet - 12V DC  
**Amp Draw:** 1.2 amps @ 12V DC, 0.6 amps @ 24V DC, 0.3 amps @ 36V DC, 0.18 amps @ 48V DC

## Lens Colors

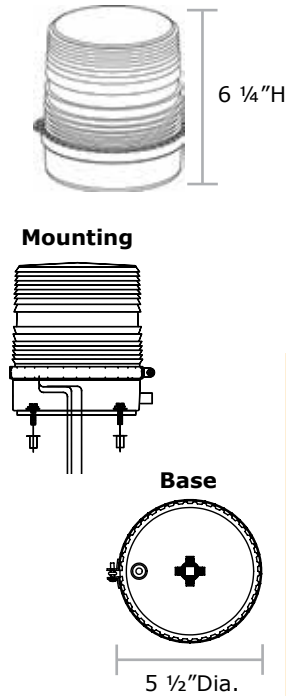


## Mirror mount brackets (Optional)



## Replacement Parts (\* = color)

Lens	300-S-*
Strobe tube	129
Circuit	181-SDQ4-12
Cig. plug with lighted on/off switch	176-SW
Lens gasket	369
Base	4100LF
Clamp ring	365
Circuit plate	364
Magnet	177



## Model Numbers

200S 200SM

M - Magnet mount

## Features

- Most popular medium profile strobe light
- Selectable high/low intensity is a standard feature
- Rugged die-cast base is fully gasketed
- Permanent mount with 1/2" pipe mount, magnet mount

**Voltage:** permanent - 12-24V DC, magnet - 12V DC

**Amp Draw:** 2 amps @ 12V DC

## Lens Colors

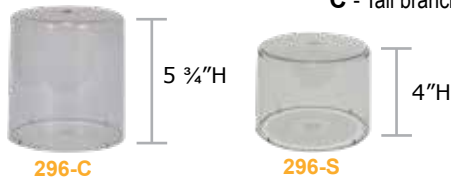


## Branch Guards (Optional)

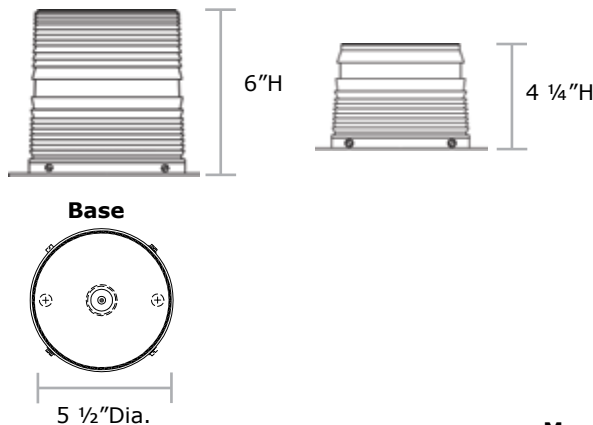
Black powder coated steel



## Dust Cover (Optional)

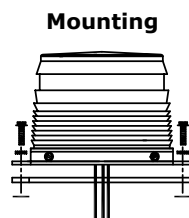


C - Tall dome, S - Short dome



## Replacement Parts (\* = color)

Lens (240C)	295-*
Lens (240S)	297-*
Strobe tube	129
Circuit	181-SDQ4-12
Magnet	177
Cig. plug with lighted on/off switch	176-SW



## Model Numbers

240C 240CF 240CM 240S 240SF 240SM

C - Tall lens, F - Flange mount, M - Magnet mount, S - Short lens

## Features

- Standard high/low intensity is a standard feature on double and quad flash models
- Rugged die-cast aluminum base is protected with a powder coat finish
- Permanent mount with 1" pipe mount, flange mount, magnet mount

**Voltage:** permanent - 12-24V DC, magnet - 12V DC

**Amp Draw:** 2.0 amps @ 12V DC



# STROBE BEACONS

- Patented LED diagnostic indicator are standard
- Field selectable flash patterns via an internal jumper for double or quad flash (default quad flash)
- Photocell for automatic "night" mode switching
- Durable polycarbonate lens

- RFI protection
- Rugged die-cast base is protected with a powder coat finish
- Standard 1" pipe mount
- Reverse polarity protected
- See pages 17 - 18 for Specifications and Approvals



242CFL



242SFL

## Model Numbers

242CL 242CLM 242SFL

242CFL 242SL 242SLM

**C** - Tall lens, **F** - Flange mount, **M** - Magnet mount,  
**S** - Short lens

## Lens Colors



## Dust Cover (Optional)



296-C



296-S

**C** - Tall dome, **S** - Short dome

## Branch Guards (Optional)

**Black powder coated steel**



274-55TC



274-55TS

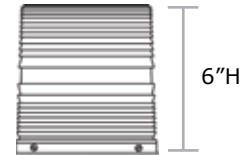
**C** - Tall branch guard, **S** - Short branch guard

## Replacement Parts (\* = color)

Lens (242C)	295-*
Lens (242S)	297-*
Strobe tube	129
Circuit	181-HT-DQ
Magnet	177
Cig. plug with lighted on/off switch	176-SW

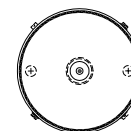


4 1/4"H



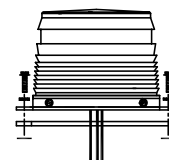
6"H

## Base



5 1/2"Dia.

## Mounting



**Voltage:** permanent - 12-24V DC, magnet - 12V DC

**Amp Draw:** 2 amps @ 12V, 1 amp @ 24V DC

# LOW PROFILE STROBE BEACONS

- Only 3" tall, will fit where other strobes will not
- Field selectable flash patterns via an internal jumper for single, double, or quad flash (default quad flash)
- RFI protection

- Selectable high/low intensity is a standard feature
- Permanent mount with 1" pipe mount, flange mount, magnet mount
- See pages 17 - 18 for Specifications and Approvals



241SF

## Model Numbers

241S 241SF 241SM

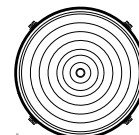
**S** - Short lens, **F** - Flange mount, **M** - Magnet mount

## Lens Colors



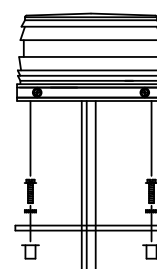
3 1/4"H

## Base



5 1/2"Dia.

## Mounting



## Replacement Parts (\* = color)

Lens	298-*
Strobe tube	129-R
Circuit	181-SDQ4-12
Magnet	177
Cig. plug with lighted on/off switch	176-SW

**Voltage:** permanent - 12-24V DC, magnet - 12V DC

**Amp Draw:** 1.2 amps @ 12V DC, 0.6 amps @ 24V DC

# LOW PROFILE STROBE BEACONS

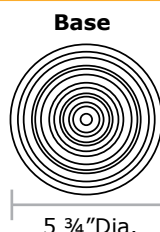
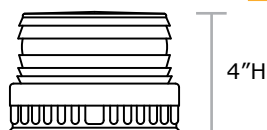
• Single or quad flash

• See pages 17 - 18 for Specifications and Approvals

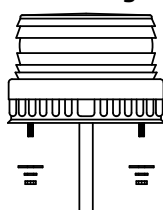
## Lens Colors



**Voltage:** single - 12V DC only (available in 24V DC),  
quad - 12V DC only  
**Amp Draw:** 0.5 amps @ 12V DC, 0.3 amps @ 24V DC



## Mounting



## Replacement Parts (\* = color)

Lens	298-*
Strobe tube	129-Z
Circuit (single flash)	181-Z11-12
Circuit (quad flash)	181-ZQ11-12
Cig. plug with lighted on/off switch	176-SW
Magnet	177



211RM



211R

## Model Numbers

211R 211RM 211RMQ 211RQ

**M** - Magnet mount, **Q** - Quad flash

## Features

- NeoForce™ magnet technology
- Molded rubber base to absorb shock and vibration and to prevent corrosion
- Magnet is concealed inside the molded rubber base and will not scratch the roof of your vehicle
- Permanent mount on two studs on 4 1/8" centers, magnet mount

## Lens Colors



**Voltage:** 12V DC (24V only available in single flash),  
110V AC  
**Amp Draw:** 0.5 amps @ 12V DC, 0.3 amps @ 24V DC

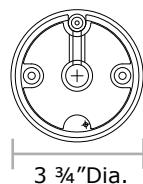
## Mirror mount brackets (Optional)



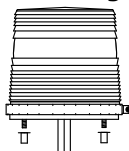
274-MMB 274-MMBS 274-MMB1T



## Base



## Mounting



## Replacement Parts (\* = color)

Lens	330-*
Strobe tube	129-Z
Circuit (single flash)	181-Z-12
Circuit (quad flash)	181-ZQ-12
Cig. plug with lighted on/off switch	176-SW
Gasket	381
Clamp ring	365-Z
Magnet	177
Eye shield	386



200ZM



200Z

## Model Numbers

200Z 200ZM 200ZMQ 200ZQ

**M** - Magnet mount, **Q** - Quad flash

## Features

- Compact and powerful
- Ideal for construction, forklift, or many other applications
- Polycarbonate lens is clamped to the rugged die-cast aluminum base with a fully gasketed aluminum retaining ring to enhance water resistance
- Permanent mount with 1/2" pipe mount, magnet mount
- Magnet mount includes metal disk with hook and loop fasteners for easy dash mounting
- Available in 110V AC

## Lens Colors

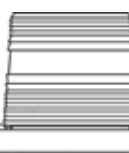
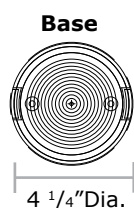


**Voltage:** 12V DC (24V only available in single flash),  
110V AC  
**Amp Draw:** 0.5 amps @ 12V DC, 0.3 amps @ 24V DC

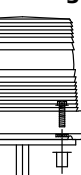
## Mirror mount brackets (Optional)



274-MMB 274-MMBS 274-MMB1T



## Mounting



## Replacement Parts (\* = color)

Lens	330-*
Strobe tube	129-Z
Circuit (single flash)	181-Z-12
Circuit (quad flash)	181-ZQ-12
O-ring gasket	381-1
Magnet	177
Cig. plug with lighted on/off switch	176-SW
Eye shield	386



2012M



2012

## Model Numbers

2012 2012M 2012MQ 2012Q

**M** - Magnet mount, **Q** - Quad flash

## Features

- Small, dynamic, low profile strobe
- Quick-snap lens, high impact resistant base assembly for field repairs
- Permanent mount with 1/2" pipe mount, magnet mount
- Magnet mount includes metal disk with hook and loop fasteners for easy dash mounting
- Available in 110V AC

211R

200Z

2012

# LOW PROFILE STROBE BEACONS

- Durable polycarbonate, twist on/off lens and base with flange

- See pages 17 - 18 for Specifications and Approvals

203MV



203MV



203MVM

## Model Numbers

203MV 203MVM

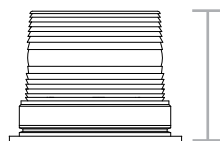
M - Magnet mount

## Features

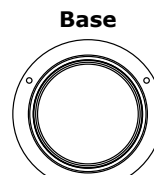
- Compact, low profile strobe ideal for many applications

**Voltage:** 10-72V DC  
**Amp Draw:** 0.5 amps

## Lens Colors

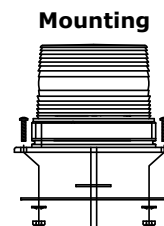


3 1/2"H



Base

5 1/16"Dia.



Mounting

## Replacement Parts (\* = color)

Lens	320-*
Strobe tube	129-Z
Circuit (10-72V DC)	181-TMV

204MV



## Model Number

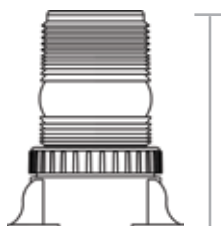
204MV

## Features

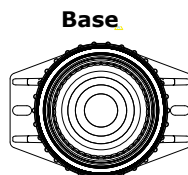
- Space saving solution, fits almost anywhere

**Voltage:** 10-110V DC,  
120V AC available  
**Amp Draw:** 0.5 amps

## Lens Colors

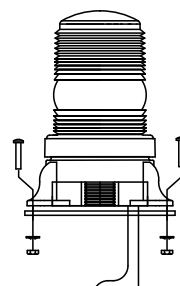


5"H



Base

4"Dia.



Mounting

## Replacement Parts (\* = color)

Lens	234-*
Strobe tube	129-L

# STROBE BEACONS

- Single or quad flash (200J)
- Designed for special application needs
- 200U is designed for indoor use with an AC current

- Permanent mount with 1/2" pipe mount, flange mount
- See pages 17 - 18 for Specifications and Approvals

200J, 200U



200J



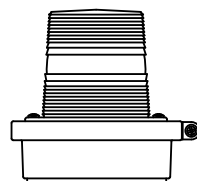
200U

## Model Numbers

200J 200J-1 200JQ 200JQ-1 200U 200U-1

1 - Outer dome, J - 12V model, Q - Quad flash, U - 110V model

**Voltage:** 200J - 12V, 24V, 36V, 48V (single flash),  
200JQ - 12V, 200U - 110V-120V AC  
**Amp Draw:** 0.5 amps

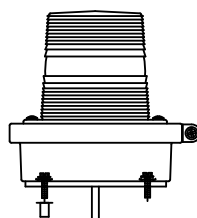


6 1/16"H

## Lens Colors



Mounting



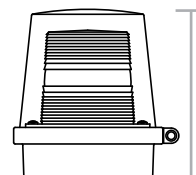
Base

6 1/16"Dia.

200J

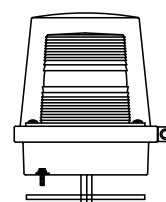
## Replacement Parts (\* = color)

Outer dome	325-L-*
Lens	333-*
Strobe tube (200J)	129-Z
Strobe tube (200U)	129-U
Circuit (single flash 200J)	181-Z-12
Circuit (quad flash 200J)	181-ZQ-12
Circuit (single flash 200U)	181-U-110



6 7/8"H

Mounting



Base

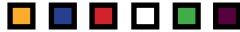
6 1/16"Dia.

200U

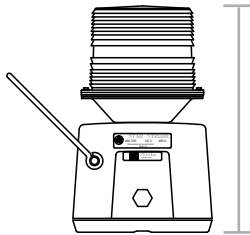


• See page 18 for Specifications and Approvals

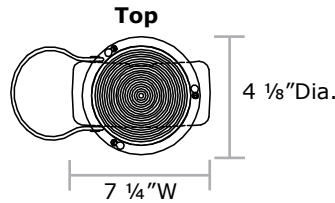
## Lens Colors



**Voltage:** two 6V spring terminal batteries (not included)  
**Amp Draw:** 0.5 amps



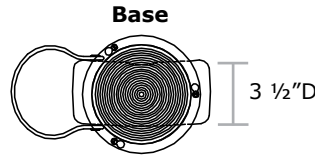
11 3/4"H



Top

4 1/8"Dia.

7 1/4"W



Base

3 1/2"D

## Replacement Parts (\* = color)

Lens	300-*
Strobe tube	129-Z
Circuit	181-Z-12
Battery	8100
Handle	202-104-1

735PS



## Model Numbers

735PS 735PSM

PS - Portable strobe, M - Magnet mount

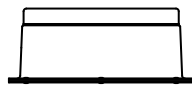
## Features

- Convenient portable strobe
- Single flash
- 360° lens allows for visibility uni-directional
- Constructed with a high impact, Safety Orange, plastic base
- Economic battery operation (approx. 40 hours)
- These lights are not Coast Guard approved

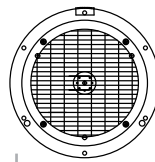
## Lens Colors



**Voltage:** single flash - 12V, 24V, 36V, 48V, 72V DC,  
quad flash - 12-24V DC  
**Amp Draw:** 0.5 amps @12V DC, 0.3 amps @ 24V DC

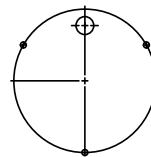


3 5/16"H



8 1/4"Dia.

Base



## Replacement Parts (\* = color)

Lens	8888-*
Strobe tube	129-R
Circuit (single flash)	181-S-12
Circuit (quad flash)	181-SDQ4-12

## Model Numbers

845S 845SQ

Q - Quad flash

## Features

- Self-contained, uni-directional strobes
- RFI protection is available for quad flash
- Fully encapsulated circuitry for weather and shock resistance
- Fully gasketed, rugged anodized aluminum case

845S



Model #	Voltage (S/D/Q = single/double/quad flash)	Amp Draw (S/D/Q = single/double/ quad flash)	Joules (fpm - flashes per minute) (S/D/Q = single/double/quad flash)	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals (A - Amber, B - Blue, R - Red, C - Clear) (S/D/Q = single/double/ quad flash)
200A, 200ADH, 200AQH	12-24V DC	2 amps @ 12V DC high power - 3.2 amps @ 12V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm, high power D/Q - 23	4	1	SAE J1318, Class I - D/Q (A, B, C), Class II - D/Q (R)
200B, 200BDH, 200BQH	12-24V DC	2 amps @ 12V DC high power - 3.2 amps @ 12V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm, high power D/Q - 23	4	1	SAE J1318, Class I - D/Q (A, B, C), Class II - D/Q (R)
200C, 200CF	12-24V DC	2 amps @ 12V DC high power - 3.2 amps @ 12V DC	D/Q - 23 @ 65 dfpm or qfpm	4	1	SAE J1318, Class I - D/Q (A, B, C), Class II - D/Q (R)
200E	110-120V AC	2 amps @ 12V DC high power - 3.2 amps @ 12V DC	8	4	1	N/A
200J, 200J-1, 200JQ, 200JQ-1	S - 12V DC (24V, 36V, 48V DC), Q - 12V DC	0.5 amps @ 12V DC	3	2	1	N/A
200S, 200SM	12-24V DC magnet - 12V	2 amps @ 12V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm	perm. - 3 magnet - 4	1	SAE Class II (A, B, R, C)
200U, 200U-1	110-120V AC	0.1 amps @ 110V AC	14	2	1	Class II (A, B, C)
200Z, 200ZM, 200ZMQ, 200ZQ	S - 12V, 24V, 36V, 48V, 110V, Q only - 12V DC only	0.5 amps @ 12V DC 0.3 amps @ 24V DC	S - 3, Q - 3.8	perm. - 2 magnet - 3	1	N/A
201Z, 201ZM, 201ZMQ, 201ZQ	S - 12V DC only (available in 24V, 36V, 48V DC or 110-120V, 220V AC), Q - 12V DC only	0.5 amps @ 12V DC 0.3 amps @ 24V DC	S - 3, Q - 3.85	perm. - 1.5 magnet - 2	1	N/A

## STROBE BEACONS

Model #	Voltage (S/D/Q single/double/quad flash)	Amp Draw (S/D/Q = single/double/quad flash)	Joules (fpm - flashes per minute) (S/D/Q = single/double/quad flash)	Weight (lbs.) (v - vacuum magnet) (S - Short lens, C - Tall lens)	Warranty (years) Refer to page 81	Approvals (A - Amber, B - Blue, R - Red, C - Clear) (S/D/Q = single/double/quad flash)
203MV, 203MVM	10-72V DC	0.5 amps @ 12V DC	1.75	perm. - 1 magnet - 2	1	N/A
204MV	10-110V DC	0.5 amps @ 12V DC	1.75	1	1	N/A
211R, 211RM, 211RMQ, 211RQ	S - 12V DC only (available in 24V DC), Q - 12V DC only	0.5 amps @ 12V DC 0.3 amps @ 24V DC	S - 3, Q - 3.8	perm. - 3 magnet - 4	1	N/A
240C, 240CF, 240CM	12-24V DC magnet - 12V DC	2 amps @ 12V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm	perm. - 3 magnet - 4	1	Class II (A, B, C, R) S, Class I (A, B, C) D/Q, Class II (R) D/Q
240S, 240SF, 240SM	12-24V DC magnet - 12V DC	2 amps @ 12V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm	perm. - 2 magnet - 3	1	Class II (A, B, C, R) S/D, Class I (B) Q, Class II (A, C, R) Q
241S, 241SF, 241SM	12-24V DC magnet - 12V DC	1.2 amps @ 12V DC 0.6 amps @ 24V DC	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm	perm. - 2 magnet - 3	1	N/A
242CL, 242CFL, 242CLM	12-24V DC magnet - 12V DC	2 amps @ 12V DC 1 amp @ 24V DC	Q - 19.5	perm. - 3 magnet - 4	1	N/A
242SL, 242SFL, 242SLM	12-24V DC magnet - 12V DC	2 amps @ 12V DC 1 amp @ 24V DC	Q - 19.5	2	1	N/A
250A, 250ADH, 250AH, 250AQH	S - 12V DC, D/Q - 12-24V DC	S - 3.6 amps @ 12V DC D/Q - 3.2 amps @ 12V DC	S - 20, D/Q - 23	5	1	Class I (A)
250C, 250CDH, 250CH, 250CQH	S - 12V DC, D/Q - 12-24V DC	S - 3.6 amps @ 12V DC D/Q - 3.2 amps @ 12V DC	S - 20, D/Q - 23	5	1	Class I (A)
250S, 250SDH, 250SH, 250SQH	S - 12V, D/Q - 12-24V DC	S - 3.6 amps @ 12V DC D/Q - 3.2 amps @ 12V DC	S - 20, D/Q - 23	5	1	N/A
255HTC, 255HTCM, 255HTCV	permanent - 12-24V DC magnet - 12V DC	2 amps @ 12V DC 1 amp @ 24V DC	Q - 19.5	perm. - 4, magnet - 7, v - 9	1	Class I (A, B, C), Class II (R),
255TC, 255TCM, 255TCV, 255TS, 255TSM, 255TSV	permanent - 12-48V DC magnet - 12V DC	1.2 amps @ 12V, 0.6 amps @ 24V, 0.3 amps @ 36V, 0.175 amps @ 48V DC	S - 3.5, D - 7, Q - 10	perm. S - 3, C - 4, magnet - S - 6, C - 7, v - S - 8, C - 9	1	Class II (A, B, C, R)
257HTC, 257HTS	12-24V DC	2 amps @ 12V DC 1 amp @ 24V DC	S - 3.5, D - 7, Q - 10	S - 3, C - 4	1	Class I, Class II (R), Q (A, B, C)
257TC, 257TS	12-48V DC	1.2 amps @ 12V, 0.6 amps @ 24V, 0.3 amps @ 36V, 0.175 amps @ 48V DC	S - 3.5, D - 7, Q - 10	S - 3, C - 4		(TC) Class I (A, B, C), Class II (R) (TS) Class I (B), Class II (A, C, R)
735PS	two 6V spring terminal batteries (not included)	0.5 amps @ 12V DC	3	3	1	N/A
845S	S - 12V DC (available 24V, 36V, 48V, 72V DC), Q - 12 - 24V DC	0.5 amps @ 12V DC 0.3 amps @ 24V DC	S - 8.3, Q - 17.3	3	1	CFR 49 (Code of Federal Regulations), Part 221 (R)

# REVOLVING BEACONS

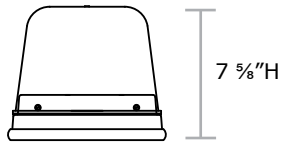
- Patented shock mounted rotators with two sealed roller bearings provide quiet, smooth, maintenance free operation
- Lock-and-stay bulbs are field replaceable
- Durable polycarbonate plastic outer domes keep our lights corrosion, weather, and impact resistant

- Built with a heavy duty spun aluminum base with 1" pipe mount plastic insert base
- Halogen or incandescent bulb available
- See page 20 for Specifications and Approvals

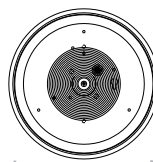
**Voltage:** 12V DC

**Amp Draw:** halogen - 4.0 amps (50 watts),  
incandescent - 2.7 amps (35 watts)

## Lens Colors

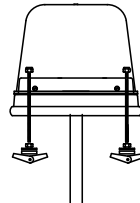


## Base



8 1/4" Dia.

## Mounting



450A



450B

## Model Numbers

450A      450B

450AH      450BH

**A** - Closed base with insert, **H** - Halogen, **B** - Enclosed base

## Replacement Parts (\* = color)

Lens	134-L-*
Bulb (12V halogen)	2073-795X
Bulb (incandescent)	2073-1195
Rotator assembly	920-0

## Lens Colors

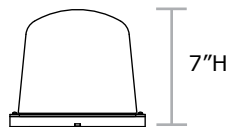


## Filter Colors



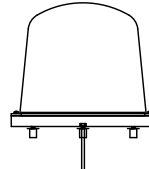
**Voltage:** 12V DC

**Amp Draw:** halogen - 4.0 amps (50 watts),  
incandescent - 2.7 amps (35 watts),

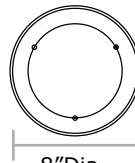


7" H

## Mounting



## Base



8" Dia.

455BH



## Model Numbers

455BH      455BHF      455BHV

**F** - Fast rotator, **H** - Halogen, **V** - Vacuum magnet mount

## Features

- Built with a durable polycarbonate base
- Halogen or incandescent bulb available

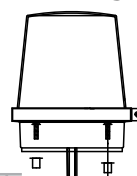
## Replacement Parts (\* = color)

Lens	134-3-*
Bulb (12V halogen)	2073-795X
Bulb (incandescent)	2073-1195
Cig. plug with lighted on/off switch	176-SW
Rotator filter	920-100-*
Rotator assembly	920-0
Fast rotator assembly	920-0F
Magnet	177

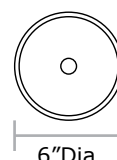
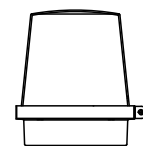
## Lens Colors



## Mounting



7" H



6" Dia.

20RH



## Model Numbers

20RH      20RHF      20RHM      20RI      20RIF      20RIM

**F** - Fast rotator, **H** - Halogen, **I** - Incandescent, **M** - Magnet mount

## Features

- Rugged die-cast aluminum base

**Voltage:** 12V, 24V, 36V DC, 120V AC

**Amp Draw:** halogen - 4.0 amps (50 watts), incandescent - 2.7  
amps (35 watts)

## Replacement Parts (\* = color)

Lens	325-L-*
Bulb (12V halogen)	2073-795X
Bulb (12V incandescent)	2073-1195
Bulb (24V incandescent)	2073-1638
Bulb (36V incandescent)	2073-1062
Bulb (120V incandescent)	2073-40T8DC
Cig. plug with lighted on/off switch	176-SW
Clamp ring	4123
Base	4100
Rotator	920-0
Fast rotator	920-0F

450

455BH

20RH, 20RI



# REVOLVING BEACONS

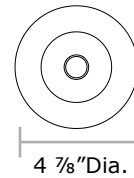
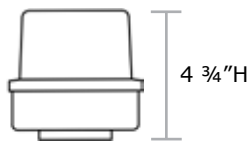
Model #	Voltage	Amp Draw (H - Halogen, I - Incandescent)	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals (A - Amber, B - Blue, R - Red, C - Clear)
20RH, 20RHF, 20RHM	12V DC	H - 4.0 amps @ 12V DC (50 watts)	2	1	SAE J845 Class I (A, B, C, R)
20RI, 20RIF, 20RIM	12V DC	I - 2.7 amps @ 12V DC (35 watts)	2	1	N/A
450B, 450BH	12V DC (24V, 36V, 120V DC)	H - 4.0 amps @ 12V DC (50 watts) I - 2.7 amps @ 12V DC (35 watts)	3	1	N/A
455BH, 455BHF, 455BHV	12V DC (24V, 36V, 120V DC)	H - 4.0 amps @ 12V DC (50 watts) I - 2.7 amps @ 12V DC (35 watts)	3	1	N/A

# HALOGEN DASH LIGHTS



**1188HM**

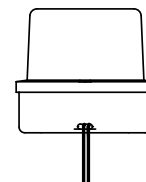
**Voltage:** 12V DC  
**Amp Draw:** 4.0 amps



## Lens Colors



## Mounting



## Model Numbers

**1188H 1188HM**

**M** - Magnet mount

## Features

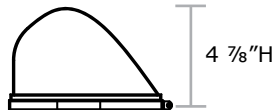
- Most compact portable emergency dash light
- 27 watt halogen bulb combined with a highly polished reflector gives this light a high intensity flash

## Replacement Parts (\* = color)

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

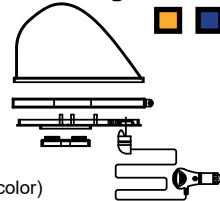


**1166HM**



**Voltage:** 12V DC  
**Amp Draw:** halogen - 4.0 amps,  
incandescent - 2.7 amps

## Mounting



## Lens Colors



## Model Numbers

**1166HM 1166IM**

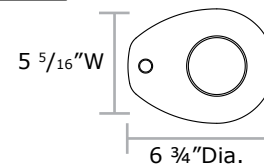
**I** - Incandescent, **M** - Magnet mount

## Features

- Aerodynamic light is ideal for unmarked cars or volunteers
- 27 watt halogen bulb or incandescent bulb available

## Replacement Parts (\* = color)

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



**274-874 Suction Cup Bracket**

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



**274-878 Hotshot II Dash Bracket  
Quad Mirror Reflector**

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

Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81
1166IM	12V DC	2.7 amps @ 12V DC	2.5	1
1166HM	12V DC	4.0 amps @ 12V DC	2.5	1
1188H	12V DC	2.1 amps @ 12V DC	2	1
1188HM	12V DC	2.1 amps @ 12V DC	2	1
274-874	N/A	N/A	4	N/A
274-875	N/A	N/A	4	N/A

# FLASHING BEACONS - VERY LOW PROFILE

• Available in steady burn

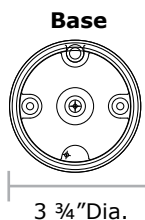
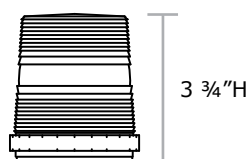
• See page 22 for Specifications

## Lens Colors

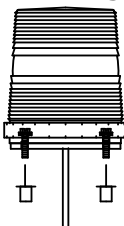


**Voltage:** 12V DC or 110V AC

**Amp Draw:** 1 amp @ 12V, 0.2 amps @ 110V AC



## Mounting



## Replacement Parts (\* = color)

Lens (20ZI)	330-*
Bulb (12V DC)	2073-94
Bulb (110-120V AC)	2073-15T7DC
Circuit	181-FI-12
Cig. plug with lighted on/off switch	176-SW
Clamp ring	365-Z
Magnet	177



20ZIM



20ZI

## Model Numbers

20ZI 20ZIM

I - Incandescent, M - Magnet mount

## Features

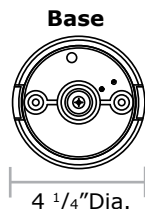
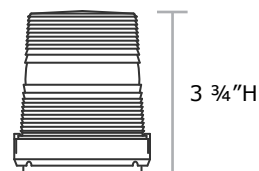
- Very low profile, most popular flashing incandescent lights
- Polycarbonate lens is clamped to the rugged die-cast aluminum base
- Fully gasketed aluminum retaining ring to enhance water resistance

## Lens Colors

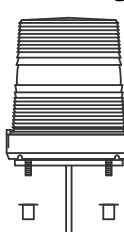


**Voltage:** 12V DC or 110V AC

**Amp Draw:** 1 amp @ 12V, 0.2 amps @ 110-120V AC



## Mounting



## Replacement Parts (\* = color)

Lens (21ZI)	330-*
Bulb (12V DC)	2073-94
Bulb (110-120V AC)	2073-15T7DC
Circuit	181-FI-12
Cig. plug with lighted on/off switch	176-SW
Magnet	177



21ZIM



21ZI

## Model Numbers

21ZI 21ZIM

I - Incandescent, M - Magnet mount

## Features

- Quick snap lens and a high impact resistant polycarbonate base assembly for quick field repair
- Polycarbonate lens is sealed to the base with a water resistant enhanced O-ring

# FLASHING BEACONS - MEDIUM PROFILE

- Flashing incandescent light
- Polycarbonate lens is clamped to the rugged die-cast aluminum base
- Also available in steady burn

- Fully gasketed aluminum retaining ring to enhance water resistance
- See page 22 for Specifications

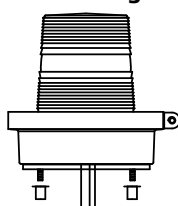
## Lens Colors



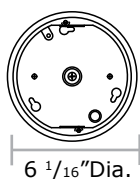
**Voltage:** 12V DC (available 24V, 36V, 48V, DC or 110-120V AC)

**Amp Draw:** 1 amp @ 12V, 24V, 36V, 48V DC, 0.2 amps @ 110-120V AC

## Mounting

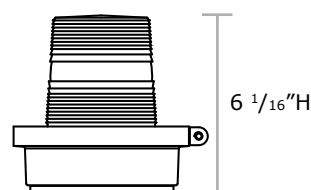


## Base



## Replacement Parts (\* = color)

Outer dome	325-L-*
Lens	333-*
Bulb (12V DC)	2073-94
Bulb (24V DC)	2073-1638
Bulb (36V DC)	2073-1062
Circuit	181-FI-12
Clamp ring	4123
Base	4100



20FI-1

## Model Numbers

20FI 20FI-1

1 - Clear outer dome

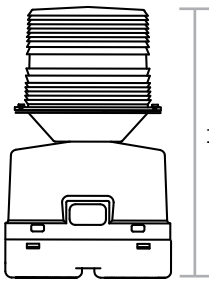
20ZI

21ZI

20FI

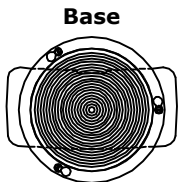
# FLASHING BEACONS - PORTABLE

- Convenient portable strobe model, economically operating off two 6V batteries
- Photocell
- Three way switch (steady burn, flashing, on/off)
- Single tube provides 360° visibility from computer designed optics
- Finest lens in the industry (the largest we offer)
- Case material is ABS Safety Orange
- See below for Specifications



11 3/4"H

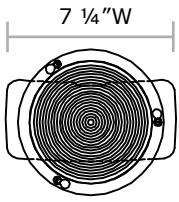
**Voltage:** flashing - 6V steady burn, flashing  
**Amp Draw:** 0.07 amps @ 6V steady burn, 0.09 amps @ 6V flashing



Base

4 1/8"Dia.

**Lens Colors**



7 1/4"W

3 1/2"D

**Model Number**

735-FI-SB-PC

**FI** - Flashing Incandescent, **PC** - Photocell, **SB** - Steady burn

Note: This is not Coast Guard approved

**Replacement Parts** (\* = color)

Lens	300-*
Flashing assembly	7130-2FSBFC
Switch	8222
Handle	202-104-1
Battery	8100

Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81
20FI	12V DC (available 110V AC)	1 amp @ 12V, 24V, 36V, 48V DC 0.2 amps @ 100-120V AC	3	1
20FI-1	12V DC (available in 24V, 36V, 48V DC or 110-120V, 220V AC)	1 amp @ 12V, 24V, 36V, 48V DC 0.2 amps @ 100-120V AC	3	1
20ZI, 20ZIM	12V DC (available 110V AC)	1 amp @ 12V 0.2 amps @ 110V AC	perm. - 2 mag. - 2.5	1
21ZI, 21ZIM	12V DC (available 110V AC)	1 amp @ 12V, 24V, 36V, 48V DC 0.2 amps @ 100-120V AC	perm. - 2 mag. - 2.5	1
735-FI-SB-PC	6V steady burn, flashing	0.07 amps @ 6V steady burn 0.09 amps @ 6V flashing	3	1

# LED LIGHTS

- Flat front design hugs window for minimal flashback; great for side and rear vertical windows
- Adhesive mount hood included for front windshield mounting
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Perfect for undercover or unmarked vehicles
- Ratchet clip mounts allow for angle adjustability
- Extremely lightweight!
- For interior applications only
- Extremely thin profile
- See page 34 for Specifications and Approvals



ULB9E-AW

**Model Numbers**

ULB9E    ULB9E-1    RLKULB9E-1

1 - Hardwire, **RLK** - Two head kit with 12' cable

**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



**Voltage:** 10-16V DC  
**Amp Draw:** 0.4 amps

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



Deck mount

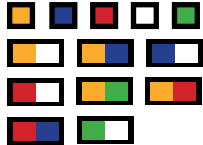


274-ULB9MMC  
Mirror mount



(2) DL15-CUP  
Suction cup mount

**LED Colors**



Side  
1 3/8"D



Top View



1 1/16"H

10 15/16"W

**Replacement Parts**

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

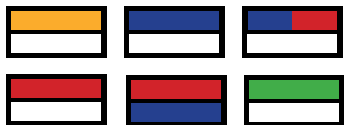


# MINI PHANTOM LED LIGHTS

- Flat front design hugs window for minimal flashback; great for side and rear vertical windows
- Adhesive mount hood included for front windshield mounting
- Perfect for undercover or unmarked vehicles
- Ratchet clip mounts allow for angle adjustability

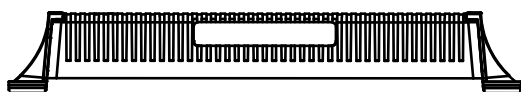
- Extremely lightweight!
- For interior applications only
- Extremely thin profile
- See page 34 for Specifications and Approvals

## LED Colors



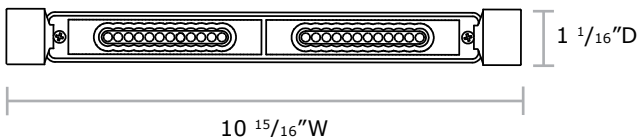
**Voltage:** 10-16V DC  
**Amp Draw:** 0.4 amps

## Top View



## Side

1 3/8" D



## Mounting kit - sold separately 274-ULB9BKT



Deck mount



274-ULB9MMC  
Mirror mount



(2) DL15-CUP  
Suction cup mount

## Replacement Parts

Cig. plug (dual power switch)

Optional hood for deck, mirror, or suction mounts

Hood kit with adhesive window mount

920-2PWR20-17

ULB9-HOOD

ULB9-HOOD-1



## Model Numbers

ULB9LDC ULB9LDC-1

1 - Hardwire

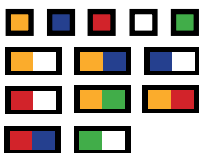
## Features

- Lineum X™ technology offers an all Dual-Function mini interior light
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Also available in split colors
- 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



## LED Colors



**Voltage:** 10-16V DC  
**Amp Draw:** 1.4 amps

## Top View

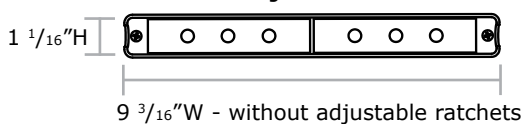


## Side

1 3/8" D



## Without adjustable ratchets



## Mounting kit - sold separately 274-ULB9BKT



Deck mount



274-ULB9MMC  
Mirror mount



(2) DL15-CUP  
Suction cup mount

## Replacement Parts

Suction cup (one)

Complete universal mount kit

Cig. plug with lighted on/off switch with pattern select

Hood

Hood kit with adhesive window mount

Adhesive mount kit with extra wire hole (for FLK)

DL15-CUP

274-ULB9BKT

920-PAT20LO

ULB9-HOOD

ULB9-HOOD-1

ULB9-HOOD-2



## Model Numbers

ULB9S ULB9S-1 FLKULB9S RLKULB9S-1

1 - Hardwire, FLK - Two head front kit, RLK - Two head rear kit

## Features

- Six Star Generation IV Starburst™ LEDs
- 35 customer selectable flash patterns for ULB9S
- 12 different selectable flash patterns in either of two phases, plus steady-on for ULB9S-1
- 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 12 different selectable flash patterns in either of two phases, plus steady-on

Windshield  
mount  
ULB9-HOOD-1  
Included



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

ULB9LDC

ULB9S

# MICROSTAR™

- Ultra low profile
- Six super bright Star Generation V LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- S-Link System™ synchronizing capabilities with other Star LED units

- Current limit protection over entire operating voltage
- Robust design
- Rugged die-cast base
- Standard four wire hook up (power, ground, pattern, sync.)
- Endless mounting possibilities
- See page 34 for Specifications and Approvals



DLITE



DLITS



DLITE-9

## Model Numbers

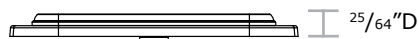
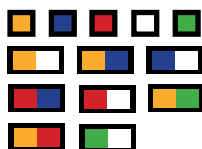
DLITE DLITE-9 DLITS

9 - Ambulance version, E - Wide spread, S - Spot - narrow beam

Voltage: 10-30V DC

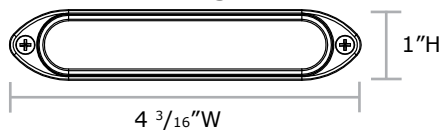
Amp Draw: 0.75 amps

## LED Colors



$\frac{25}{64}$ "D

DLITS



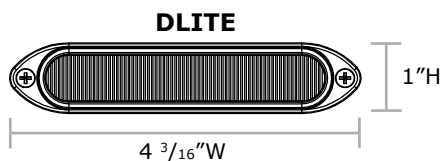
1"H

$4 \frac{3}{16}$ "W

## Optional Brackets



274-DLIT-U



1"H

$4 \frac{3}{16}$ "W



274-DLIT-LPB4



274-DLIT-RL

## Replacement Parts

Chrome bezel

P30019-289P

White bezel

P30019-289W

# STAR MINI-COMET™

- Maximum light output in a minimum package
- Six Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- S-Link System™ synchronizing capabilities with other Star LED units
- Fully encapsulated circuitry 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 34 for Specifications and Approvals



DLS306-AA



DLS306

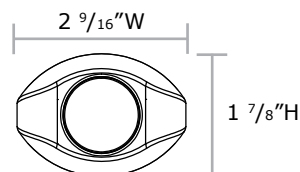
## Model Numbers

DLS306 DLS306C

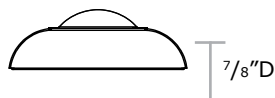
C - Chrome bezel

Voltage: 10-30V DC

Amp Draw: 1.2 amps



$1 \frac{7}{8}$ "H



$\frac{7}{8}$ "D

## LED Colors



## Mounting



## Replacement Parts

Black bezel

P30019-144B

Chrome bezel

P30019-144P

White bezel

P30019-144W

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

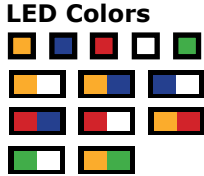
- High intensity Star Generation IV LEDs
- S-Link System™ synchronizing capabilities with other Star LED units
- Versatile LED warning lights that are built with fully encapsulated circuitry
- For use in both interior or exterior applications

- Reverse polarity protected and current limit protection over the entire operating voltage
- See page 34 for Specifications and Approvals

## DLX3 LED Colors



## DLX4, DLX6, and DLX6F LED Colors

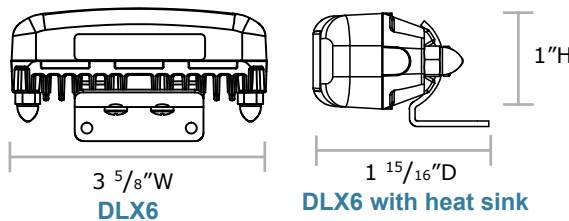


**Voltage:** DLX3, DLX3H 10-16V DC, DLX4, DLX6, DLX6F - 10-30V DC  
**Amp Draw:** DLX3 0.29 amps, DLX4 0.7 amps @ 12V DC, 0.3 @ 24V DC, DLX6, DLX6F 0.9 amps @ 12V DC, 0.5 amps @ 24V DC

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



DLX3, DLX4, and DLX6F



DLX6

DLX6 with heat sink

## 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

## Mounting



## 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

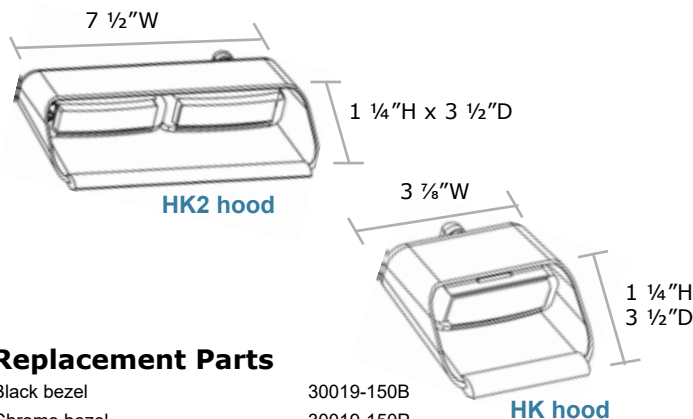
- 12 different selectable flash patterns in either of two phases, plus steady-on
- DLX3, DLX4, DLX6F - designed for flush mount or bracket mount
- DLX6 - incorporates a heavy duty heat sink, includes hood mount kit, bracket mounting only
- Size is the same between options, allowing for easy relocation or reconfiguration
- Includes a snap on Black (standard), Chrome, or White bezel
- Optional mounting brackets are also available

## LED Colors



**Voltage:** DLX4-HK\*-1, DLX4-HK2, DLX4-HK2-1, DLX6-HK\*-1, DLX6-HK2, DLX6-HK2-1 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

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



HK2 hood

HK hood

## 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



## Model Numbers

DLX4-HK	DLX4-HK2	DLX6-HK	DLX6-HK2
DLX4-HK-1	DLX4-HK2-1	DLX6-HK-1	DLX6-HK2-1

**1** - Hardwire, **2** - Dual, **4** - four LEDs, **6** - six LEDs, **HK** - Hood kit

## Features

- 10 different selectable flash patterns in either of two phases, plus steady-on
- Shipped with a flashback hood that includes a cig. plug or 12' wire harness



# LED - BRACKETS



**BB274-DLX-VC**  
Visor clip mounting



**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-DLX46LPM**  
Adjustable license plate mounting



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



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



**274-DLX4-6-RL**  
License plate mounting



**BB274-DLX4-6-SLP**  
Pickup rear window mounting



**BB274-DLX6-BAIL**  
Bail bracket mounting



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



**274-DLIT-LPB4**  
License Plate bracket holds four lights



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



**BB274-RWL**  
Rear window light bracket



**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 (standard), Chrome, or White bezels available
- Optional brackets are available for single bezels (page 26)
- Reverse polarity protected current limiting protection over the entire operating voltage
- See page 34 for Specifications and Approvals



Only ½" thick!

## DLXT, DLHT LED Colors



## DLTT, DLNT LED Colors



## DLNT-S Single Bezel LED Colors

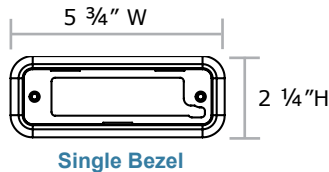


## DLNT-S Double Bezel LED Colors



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

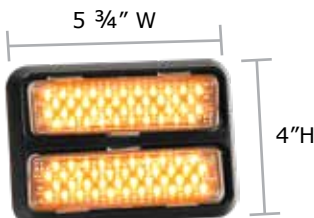
- DLXT** Auxiliary warning LED light, 10 different selectable flash patterns in either of two phases, plus steady-on
- DLHT** Auxiliary hazard turn LED light, flasher in warning pattern overridden by turn signal output, flashes with turn signal input, 10 different selectable flash patterns in either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



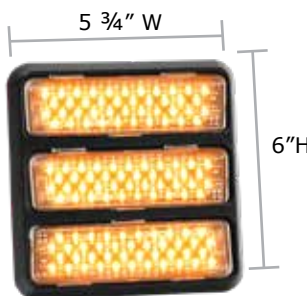
Single Bezel



Mounting



Double Bezel  
DLXT-2CUST



Triple Bezel  
DLXT-3CUST

## Model Numbers

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

## Bezel Part Numbers

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



DLXT-121

DLXT-121C



DLXT-124



DLNT-121S



DLNT-122SCRW

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



Oval Bezel

## 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

# LED LIGHTS

- Only .84" thick
- Six high intensity Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- 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 34 for Specifications and Approvals



DLXTHR-4



DLXTHU-1



DLXTHUS-1

**Model Numbers**

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

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, **DLXTHUS** - 6" oval split color, **K** - Kit, **N** - Steady burn, **X** - Flashing

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

**Voltage:** 10-30V DC  
**Amp Draw:** 0.54 amps

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

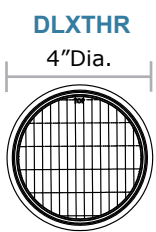
**DLXTH\* Series Colors**

--	--	--	--	--	--	--

**C** - Clear lens

**DLXTHUS Series Colors**

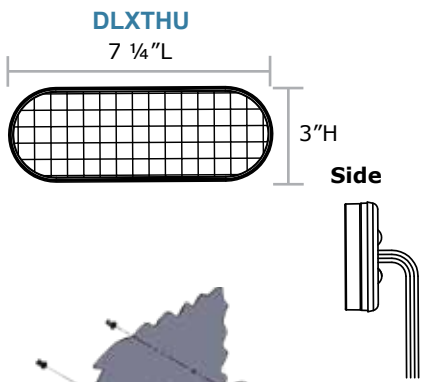
--	--	--



**Grommet Mount  
Optional Brackets**



BKT3904



**Standard Bezel Mount**



BKT3920

**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	P30019-99
Round Window bezel	S30019-260

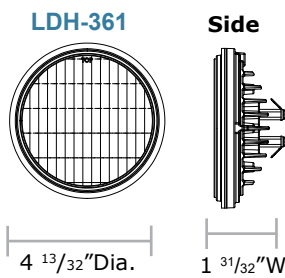
**Replacement Parts for DLXTHU**

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

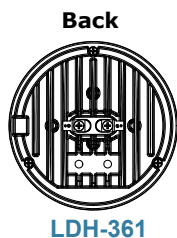
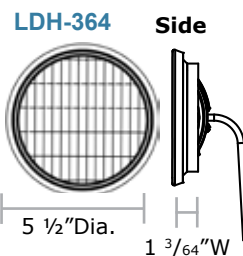
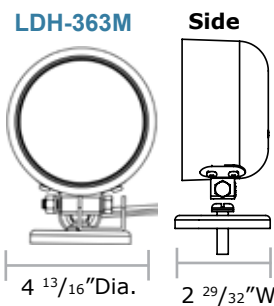
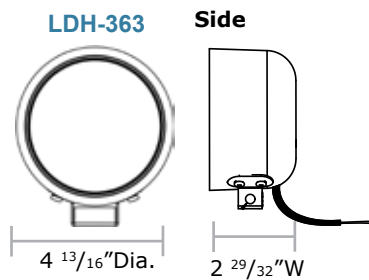
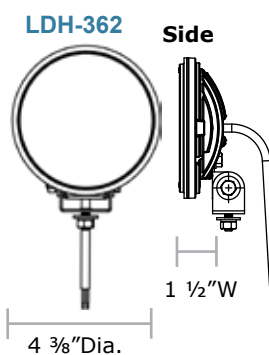
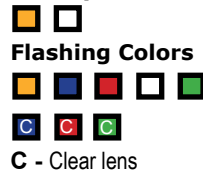


- High intensity Star Generation IV LEDs are self contained
- Steady burn or flashing LED heads with built-in flashers
- S-Link System™ synchronizing capabilities with other Star LED units (LDHF models only)
- 20 customer selectable flash patterns in two phases plus steady-on (LDHF models only)

- The high efficiency optics are available in three options: Spot, Trapezoidal, and Wide Spread
- Quick installation in any situation
- Patent #D696,035
- See page 34 for Specifications and Approvals



## Steady Burn Colors



## 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

## Replacement Parts

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

**Voltage:** permanent 10-30V DC, magnet 10-16V DC  
**Amp Draw:** 1.1 amps

# LED LIGHTS

- 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 34 for Specifications and Approvals



DL15-6-BW



DL15-6GMB-B



DL15-6MMB-B



DL15-6W-1K



DL15-12-B

## Model Numbers

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

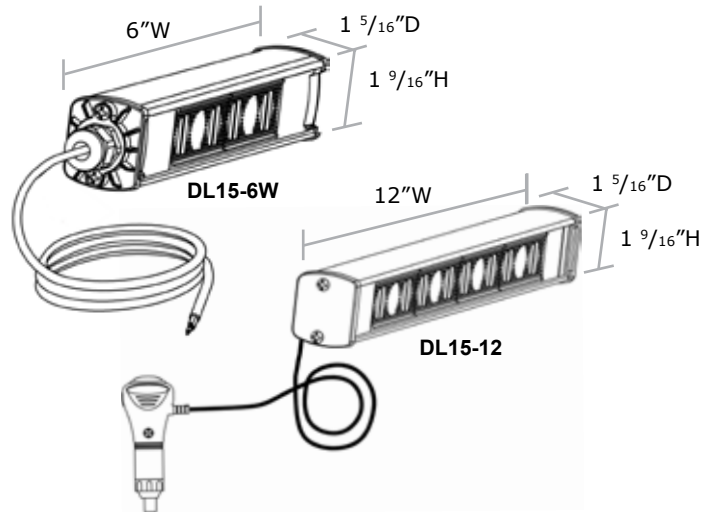
6 - 6", 12 - 12", GMB - Grille mount bracket, K - Kit, MMB - Mirror mount bracket, W - Weatherproof (interior/exterior)

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

## LED Colors



- 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



## 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

- 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 34 for Specifications and Approvals



**BBK6VER-1-TA-CUST**



**Top View Harness**

## Model Numbers

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

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

**Voltage:** 10-30V DC

**Amp Draw:** Varies with head selection

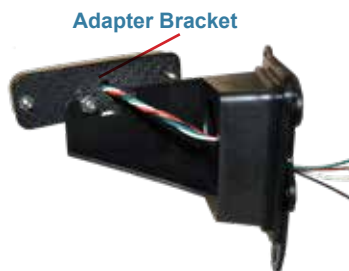
- Integrates directly into the Ford SUV police headlight
- Bracket comes with mounting hardware to mount to Ford housing assembly

- No drilling required
- Compatible with Star Constellation® series (sold separately)
- See page 34 for Specifications and Approvals



**Ford Police package head assembly**

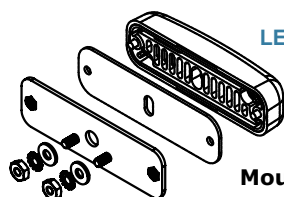
**DLX3, DLX4, or DLX6F**



**Adapter Bracket**



**BB274-FISUV-VER**



**LED light purchased separately**

**Mounting**

## Model Numbers

**BBK274-FISUV-VER**

**FISUV** - Ford SUV

**BBK6VER-1-TA-CUST**



# STAR CONSTELLATION®



- High intensity Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Fully encapsulated circuitry 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
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Customer changeable colored lenses included in White kit only
- Advanced thermal heat management
- Nickel aluminum housing
- Includes 18" head side cable and 10' cable with connector
- S-Link System™ synchronizing capabilities with other Star LED units
- Colors available:



**BKLD418-2**

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

**BK200ZHRL,  
BK200ZHRLP-A**



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



**BKDLITE**

**BKDLITS**

- Six super bright Star Generation V LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Includes 6" cable and connector
- S-Link System™ synchronizing capabilities with other Star LED units
- 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

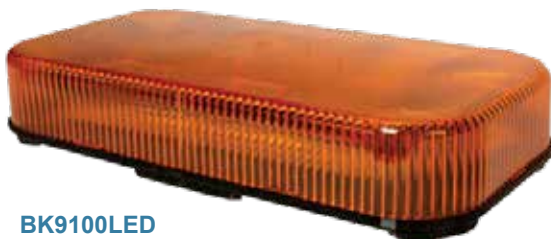







- Six Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Fully encapsulated circuitry within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Interior/exterior mount
- Includes 6" cable and connector
- Trapezoidal optics only for BKDLXTHR
- Colors available:     C - Clear lens







- 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:   










- 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:   










- Eight Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Fully encapsulated circuitry within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Lightweight polycarbonate, flange three-hole permanent mount with 1" pipe mount
- Includes 18" cable and connector
- Colors available:    



- High intensity, PLCC4 LEDs
- Fully encapsulated circuitry within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with other Star LED units
- Interior or exterior mount
- 10 different selectable flash patterns in either of two phases, plus steady-on
- Includes 6" cable and connector
- Colors available:       



- Omni-directional, mounts in any direction
- Six Star Generation IV LEDs
- 12 different selectable flash patterns in either of two phases, plus steady-on
- 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:       

Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals (* = approvals only apply when properly configured) (A - Amber, B - Blue, R - Red, C - Clear, W - White)
DL15-12, DL15-12W	10-16V DC	DL15-12 - 1.6 amps @ 12V DC DL15-6 - 0.8 amps @ 12V DC	< 2	5	SAE J595 Class I (R, B), California Title 13 (R, B)*
DL15-6GMB, DL15-6MMB	10-16V DC	0.8 amps @ 12V DC	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 @ 12V DC	> 2	5	SAE J595 Class I (R, B), California Title 13 (R, B)*
DLHT-121, DLHT-121C, DLHT-124, DLHT-241, DLHT-244	10-30V DC	0.54 amps @ 12V DC	> 1	5	N/A
DLHTHR-1, DLHTHR-4, DLHTHR-8, DLXTHU-1, DLXTHU-4	10-30V DC	0.54 amps @ 12V DC	< 1	5	SAE J595 Class I (A only), California Title 13 (A only) *
DLITE, DLITE-9, DLITS	10-30V DC	0.75 amps @ 12V DC	< 1	5	(DLITE, DLITS) Class I (BB, BW, RB, RR, RW, WW, YB, YW, YY), (DLITE) California Title 13 (BB, RB, RR, YB, YR, YY), (DLITS) California Title 13 (BB, BW, RB, RR, YB, YR, YY)
DLNT-121, DLNT-121C, DLNT-121S, DLNT-121SC, DLNT-122S, DLNT-122SC	10-16V DC	0.3 amps @ 12V DC 0.2 amps @ 24V DC	< 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	0.54 amps @ 12V DC	< 1	5	(DLXT) SAE J595 Class I (A, W, BC, RC), (DLXTHR) Class I (A, BC, RC, W), Class II (R), California Title 13 (A, BC, RC)*
DLNTHU-1, DLNTHU-4, DLXTHU-1, DLXTHU-2, DLXTHU-4, DLXTHU-7, DLXTHU-8, DLXTHU-9	10-30V DC	0.54 amps @ 12V DC	< 1	5	(DLXT) SAE J595 Class I (A, W, BC, RC) (DLXTHU) Class I (A, BC, RC), Class II (R, W), California Title 13 (BC, RC)
DLTT-121, DLTT-124, DLTT-241, DLTT-244	10-16V DC	0.3 amps @ 12V DC 0.2 amps @ 24V DC			N/A
DLS306, DLS306C	10-30V DC	1.2 amps @ 12V DC	< 1	5	N/A
DLX3, DLX3H	10-16V DC	0.29 amps @ 12V DC	< 1	5	(DLX3) SAE Class I (B, R)*, SAE Class II (A, W), California Title 13 (B), (DLX3H) SAE J595 Class I (A), 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*-1, DLX4-HK2, DLX4-HK2-1	10-30V DC	0.7 amps @ 12V DC 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, R, RB, RW, W), California Title 13 (A, AB, AR, B, RB, R)*
DLX6-HK	10-16V DC	0.9 amps @ 12V DC 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-HK*-1, DLX6-HK2, DLX6-HK2-1	10-30V DC	0.9 amps @ 12V DC 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, DLXT-2CUST, DLXT-3CUST	10-16V DC or 24V DC	0.3 amps @ 12V DC 0.2 amps @ 24V	DLXT < 1 2CUST < 2 3CUST < 3	5	SAE J595 Class II (A, R, B)*
FLKULB9S, RLKULB9S-1	10-16V DC	1.4 amps @ 12V DC	FLK - 1 RLK - 2	5	SAE J595 Class I (R, B, W), California Title 13* (R, B)
LDH-361, LDH362, LDH-363, LDH-363M, LDH-364, LDHF362, LDHF363, LDHF364, LDHT362, LDHT363, LDHT-364	10-30V DC magnet 10-16V DC	1.1 amps @ 12V DC	perm. - 1 magnet - 3	5	steady burn - SAE J595 Class I, California Title 13*, flashing - SAE J595 Class I (A, R, B, W), California Title 13 (A, R, B)
ULB9S, ULB9S-1	10-16V DC	1.4 amps @ 12V DC	< 1	5	Class I (R, B, W), CA Title 13 (R, B)
ULB9E, ULB9E-1	10-16V DC	0.4 amps @ 12V DC	< 1	5	SAE Class I (A, B, R, W) California Title 13* (A, R, B)
ULB9LDC, ULB9LDC-1	10-16V DC	1.3 amps @ 12V DC	< 1	5	SAE Class I (A, B, R, W) Class II (RB)*, California Title 13 (A, R, B)

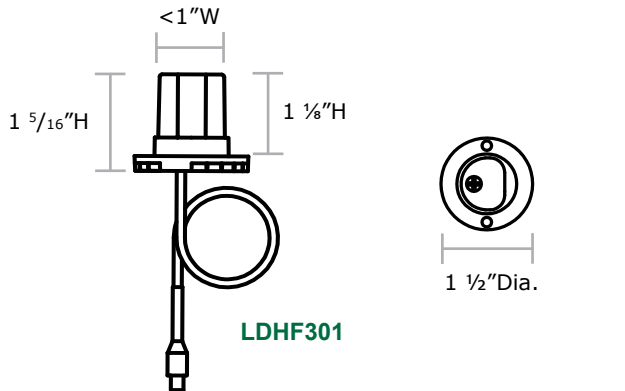


# REMOTE FLASHING LED KITS

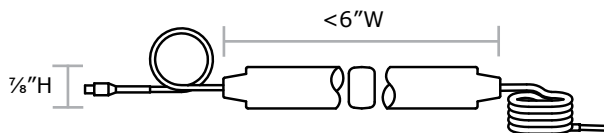
- Self-contained, LED flashing circuitry
- 12 different selectable flash patterns in either of two phases, plus steady-on
- S-Link System™ synchronizing capabilities with other Star LED units
- Spherical LED heads are designed with diffusing optics for extremely wide angle light
- Optics boost and concentrate 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 39 for Specifications

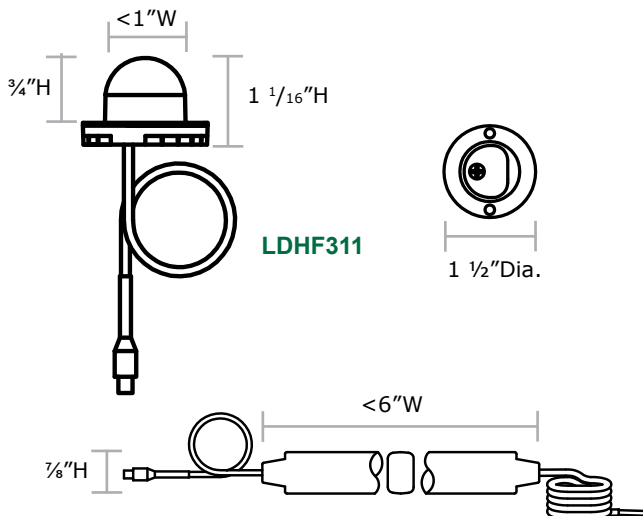
## Lens Colors



**LDHF301 Series**  
Directional Head



**LDHF311 Series**  
Spherical Head



## Model Numbers

LDHF301-\* -10 LDHF311-\* -10

LDHF301-\* -30 LDHF311-\* -30

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

**Mounting:** 1" hole

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

# REMOTE FLASHING LED KITS

- Self-contained, LED flashing circuitry
- 11 different alternating patterns, 4 different simultaneous patterns in each of the two phases
- S-Link System™ synchronizing capabilities with other Star LED units
- Optics, boost and concentrate light for maximum LED output
- Easily replace standard hide-a-way remote strobe tubes with 1" mount holes

- Spherical LED heads are designed with diffusing optics for extremely wide angle light
- 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 39 for Specifications



**LDK302**  
Directional Head

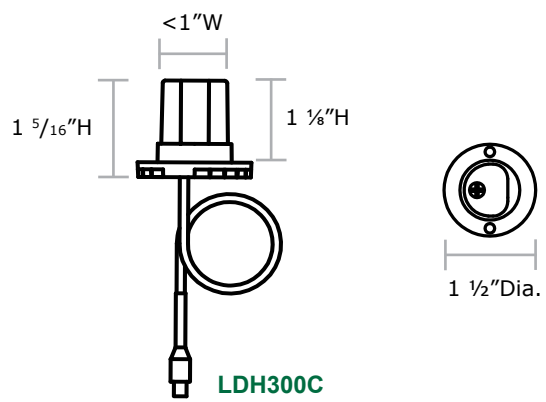


**LDK312**  
Spherical Head

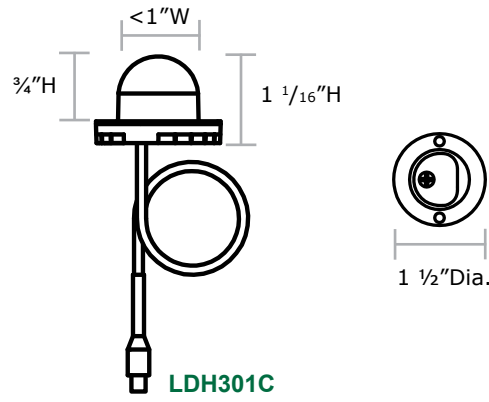
## Lens Colors



- 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



**LDH300C**



**LDH310C**

## 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

**Voltage:** 12-24V DC  
**Amp Draw:** 0.5 amps per head

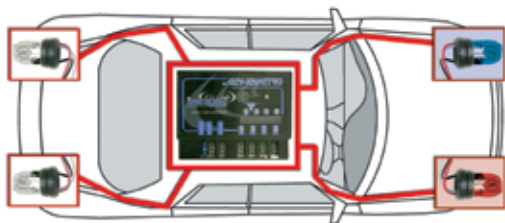
**Cable Lengths:** 4', 8', 15', 20', 25', 30', 35'

## 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* |

- 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 39 for Specifications



- 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 important operations of the strobe system
  1. The trigger lines (power going back to strobe tubes)
  2. The strobe heads enable



**ST413PA**  
Amber



**ST413PB**  
Blue



**ST413PR**  
Red

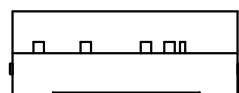


**ST415PC**  
Clear

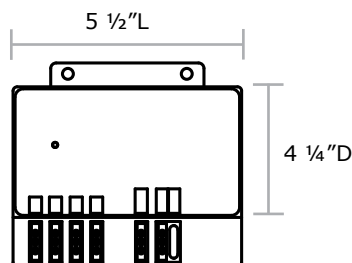
- Phantom strobe tubes are designed to mount into headlight, tail light, or marker light housings
- Allows your vehicle to blend in with traffic until you are ready to be noticed

## Flash Patterns

Single Quad  
Double Quint  
Triple Random



2"H



**RSK244P**



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

## Model Number

**RSK244P**

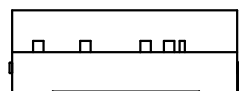
244 - 75 watts, K - Kit

## Features

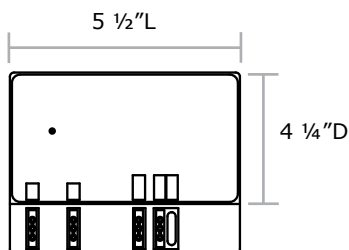
- Optimax-VSD™
- Complete, powerful and economical choice for a four corner remote strobe system
- 6 selectable flash patterns along with head selection and day/night mode
- Power reduction to operating heads in case of head failure
- Ships complete with power and control leads, instructions

## Flash Patterns

Single Quad  
Double Quint  
Triple Random



2"H



**RSK242P**



Kit Includes	Qty	Description
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

## Model Number

**RSK242P**

242 - 40 watts, K - Kit

## Features

- Optimax-VSD™
- 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



# STAR-PAK® REMOTE KITS



RSK310P

## Model Number

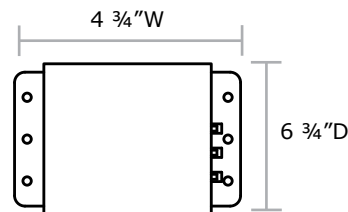
RSK310P

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 circuitry resists elements

Kit Includes	Qty	Description
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)



RSK966P

## Model Numbers

RSK966P RSK966P-4

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

## Features

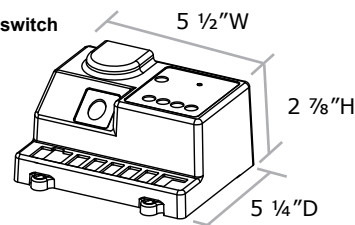
- Incorporates six outlets with 24 customer selectable flash patterns all in a 60 watt system
- Multiple strobe head combinations can be enabled and a customer selectable day/night mode is included
- Auto-power reduction to operating heads in case of head failure
- RFI protection and Visual Diagnostics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

## RSK966P

Kit Includes	Qty	Description
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	Description
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



RSK996P

## Model Numbers

RSK996P RSK996P-4

4 - Four strobe tube assemblies 996 - 90 watts, K - Kit

## Features

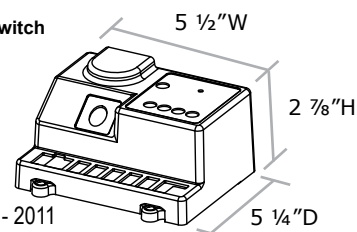
- Incorporates six outlets with 24 customer selectable flash patterns all in a 90 watt system
- Multiple strobe head combinations can be enabled and a customer selectable day/night mode is included
- Auto-power reduction to operating heads in case of head failure
- RFI protection, cooling fan, Visual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

## RSK996P

Kit Includes	Qty	Description
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	Description
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)

# REMOTE KITS AND HEADS

## SPECIFICATIONS

One joule assimilates 100,000 peak candle power.

All remote power supplies are reverse polarity protected.

Model # (* = color)	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81
LDHF301-*-10, LDHF311-*-10	12-24V DC	0.5 amps per head	1.5	5
LDHF301-*-30, LDHF311-*-30	12-24V DC	0.5 amps per head	2.3	5
LDK302, LDK312	12-24V DC	0.5 amps per head	1	5
LDK304, LDK314	12-24V DC	0.5 amps per head	3.6	5
RP242	12-24V DC	4.2 amps @ 12V DC, 2.1 amps @ 24V DC	1.25	1
RP244	12-24V DC	7.8 amps @ 12V DC, 3.9 amps @ 24V DC	1.25	1
RP310	12-24V DC	2.5 amps @ 12V DC, 1.3 amps @ 24V DC	1	1
RP966	12-24V DC	7.8 amps @ 12V DC, 3.1 amps @ 24V DC	1.25	1
RP996	12-24V DC	9.4 amps @ 12V DC, 4.7 amps @ 24V DC	1.25	1
RSK242P	12-24V DC	4.2 amps @ 12V DC, 2.1 amps @ 24V DC	5	1
RSK244P	12-24V DC	7.8 amps @ 12V DC 3.9 amps @ 24V DC	6.5 - four head kits 8 - six head	1
RSK310P	12-24V DC	2.5 amps @ 12V DC, 1.3 amps @ 24V DC	5	1
RSK966P, RSK966P-4	12-24V DC	7.8 amps @ 12V DC, 3.1 amps @ 24V DC	6.5 - four head kits	1
RSK996P, RSK996P-4	12-24V DC	9.4 amps @ 12V DC, 4.7 amps @ 24V DC	6.5 - four head kits	1
ST415P, ST413PA, ST413PB, ST413PR	N/A	N/A	1	1

\*\*RP242 & RP244 defaulted for 5 flash patterns. The RP966 and RP996 are defaulted to the quad flash pattern. Other patterns are customer selectable.

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

Model #	Power (watts)	Joules Primary	Joules 1 <sup>st</sup>	Joules 2 <sup>nd</sup>	Joules 3 <sup>rd</sup>	Joules 4 <sup>th</sup>	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 Lengths: 120", 140", 180", 240", 300"**

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

# LED TRAFFIC DIRECTORS

- Lineum X™ optics
- Ninety-six mid power LEDs (eight modules)
- Meets Class I on its 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 44 for Specifications and Approvals

TDLIN



## Model Numbers

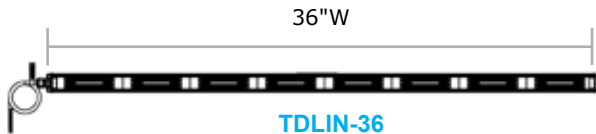
TDLIN-36-15    TDLIN-47-30    TDLIN24-47-30  
TDLIN-36-30    TDLIN-47-45  
TDLIN-47-15    TDLIN-47-60

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:** 1.1 amps @ 12V DC,  
0.5 amps @ 24V DC

## Lens Color



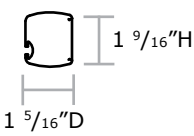
TDLIN-36



TD77-2

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

## End



## Add On

Multi-feature controller

TDC-3

TD93



TD93

## Model Numbers

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

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

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

**Voltage:** 10-16V DC  
**Amp Draw:** 1.1 amps @ 12V DC

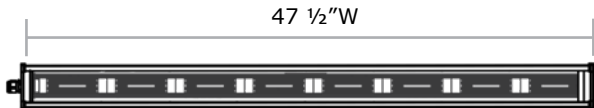
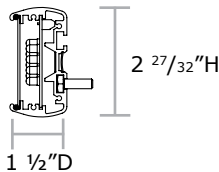
## Lens Color



TD77-2

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

## End



TD93-47

## 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



# LED Traffic Directors

- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Micro-processor control unit offers four modes with distinctive flash options

• See page 44 for Specifications and Approvals

## LED Colors



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

**TD93DLXT** - 48" only

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

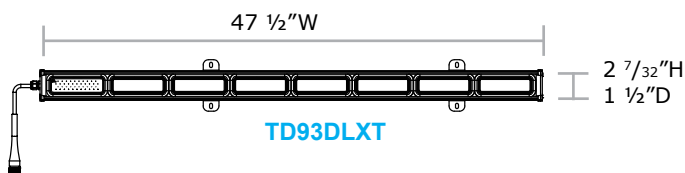
**Voltage:** 10-16V DC (available 24V DC, TD93DLXT only)

**Amp Draw:** TD93DLXT - 2.7 amps, TD93DLXT24 - 2.4 amps, TD93DLXTARO 3.6 amps, TD93DLXTARO-S - 4.1 amps, TD93DLXTARO2 - 5.4 amps



**TD77-2**

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



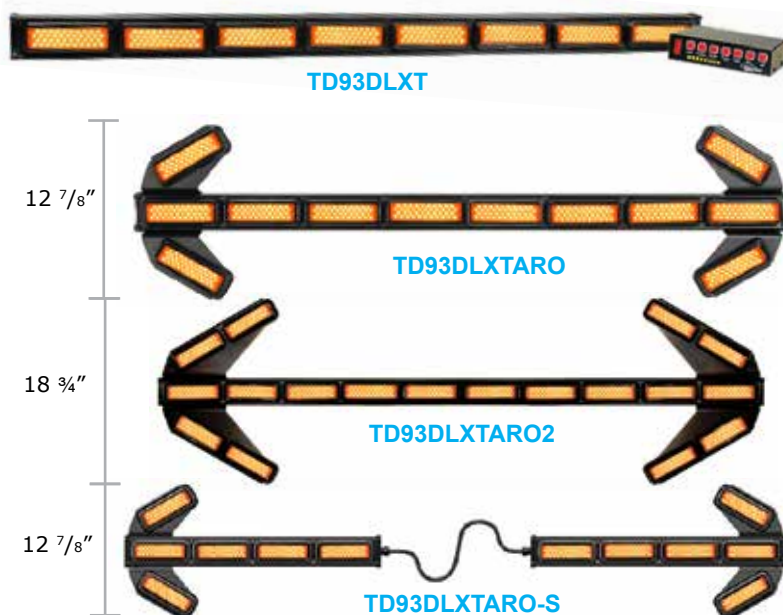
**TD93DLXT**

## Replacement Parts

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
--------------------------	-------



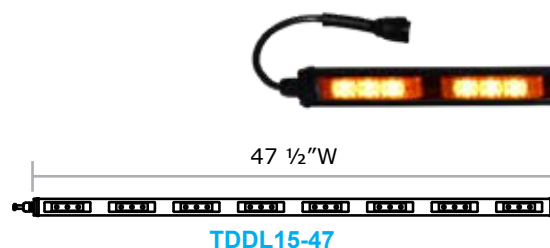
## Model Numbers

<b>TD93DLXT</b>	<b>TD93DLXTARO</b>	<b>TD93DLXTARO2-S</b>
<b>TD93DLXT24</b>	<b>TD93DLXTARO2</b>	<b>TD93DLXTARO-S</b>

**24** - 24V, **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
- Modes: left arrow, right arrow, center out, and warn (alternating)
- TD93DLXT - Traffic Director with eight LED heads
- Ships complete with back lit control unit, attached quick-disconnect wire harness (15' standard), L-brackets, hardware, and instructions



**TDDL15-47**

**Voltage:** 10-16V DC  
**Amp Draw:** 3.0 amps

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



**TD77-2**

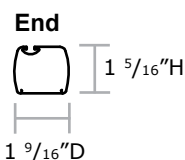
1 1/2"H  
6"W  
4 1/2"D

## 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
--------------------------	-------



**TDDL15-47**

## Model Numbers

<b>TDDL15-36</b>	<b>TDDL15-42TA</b>	<b>TDDL15-47CV</b>
<b>TDDL15-42</b>	<b>TDDL15-47</b>	

**36** - 36", **42** - 42", **47** - 47", **CV** - Crown Victoria, **TA** - Tahoe Traffic Director, **TD77-2** - Control unit

## Features

- Twenty-four high intensity Star Generation IV LEDs (8 arrays, 3 LEDs per array)
- Polycarbonate face shield allow 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

TD93DLXT

TDDL15

# LED TRAFFIC DIRECTORS

- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Warning LED light and LED Traffic Director all-in-one
- 28" 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
- See page 44 for Specifications and Approvals

DL15-30W



DL15-30W-ARB

## LED Colors



## Model Numbers

DL15-30W DL15-30W-ARB

ARB - Amber, Red, Blue, W - Weatherproof

Customer selectable Traffic Director modes:

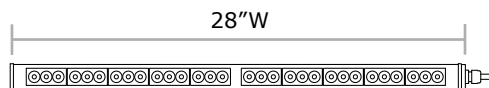
3 modes: left arrow, right arrow, center out  
6 patterns for each arrow

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)

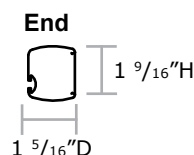
Does not apply to all flash patterns

**Voltage:** 10-16V DC  
**Amp Draw:** 3.0 amps

**Cable Length:** 15'



DL15-30W-ARB



## 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
--------------------------	-------

# STOP/SLOW

- 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)

TCS



TCS-2

Reverse side

TCS-1

## Model Numbers

TCS-1 TCS-2 TCS-6

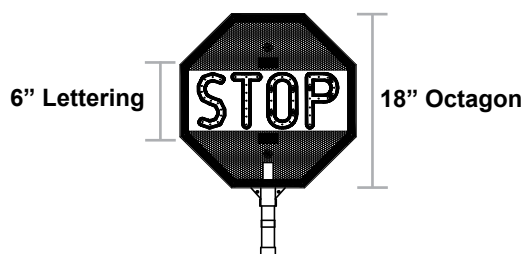
TCS-1REF TCS-2REF

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)

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)



# LED Traffic Directors

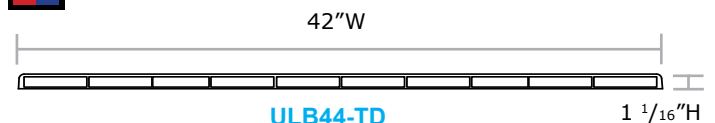
- Interior mount LED Traffic Directors are perfect for undercover or unmarked vehicle applications
- Durable polycarbonate, will not warp or bend
- Extremely thin profile, they easily mount in the rear window
- ULB44-TD offers thirty high intensity Star Generation IV LEDs
- Micro processor control unit 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 44 for Specifications and Approvals

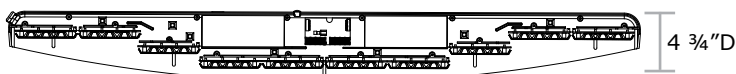
## LED Colors for outboard LED flasher sections



ULB44-TD



ULB44-TD



ULB44-TD



ULB42-TD-2

## Replacement Parts

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

## Add On

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

## Model Numbers

ULB44-TD ULB44-TD-1

1 - Traffic Director stick only, 44-TD - Traffic Director (Star Generation IV LEDs) with control box

**Voltage:** 10-16V DC  
**Amp Draw:** 3.1 amps

# STAR PHANTOM® LINEUM X™ TRAFFIC DIRECTOR

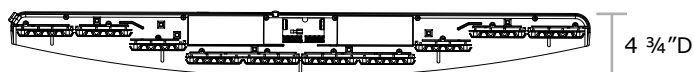
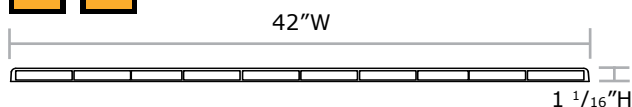
- Lineum X™ technology offers a Dual-Color interior undercover bar
- One hundred-twenty high intensity Star Generation IV LEDs
- Options to flash outer LEDs with 6 or 8 heads of Traffic Director
- 9 Traffic Director patterns
- Designed to mount in rear window (but could be used in front window)
- 12', 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 44 for Specifications and Approvals

## LED Colors



ULB48-TD



## 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

## Model Numbers

ULB48-TD

TD - Traffic Director

**Voltage:** 10-16V DC  
**Amp Draw:** 6.5 amps

ULB44-TD

ULB48-TD

# TRAFFIC DIRECTOR MULTI-FEATURE CONTROLLER

- Allows the user to save space in the console by operating the Traffic Director either with a light control siren or with switches
- Compatible with most popular light control sirens in the industry
- 30 selectable warning flash patterns, 5 phases, 13 enable head settings



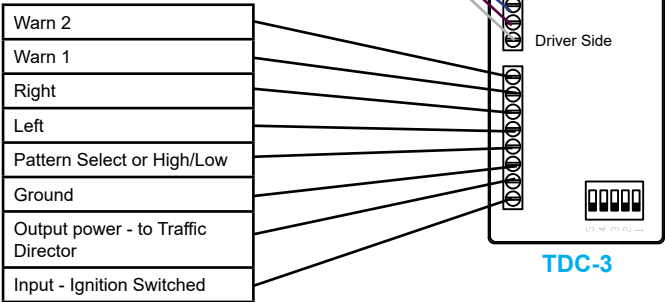
TDC-3

### Model Numbers

TDC-3

3 - Multi feature controller, TDC - Traffic Director control

**Voltage:** 10-16V DC  
**Amp Draw:** 2.5 amps per output



Model #	Voltage	Amp Draw	Built In Flasher	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals * = does not apply to all flash patterns
DL15-30W, DL15-30W-ARB	10-16V DC	3.0 amps @ 12V DC	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 @ 12V DC	no	10	5	no
TD93-47	10-16V DC	2.1 amps @ 12V DC	no	10	5	no
TD93DLXT	10-16V DC	2.7 amps @ 12V DC	no	10	5	no
TD93DLXT24	20-30V DC	2.7 amps @ 12V DC	no	10	5	no
TD93DLXTARO	10-16V DC	4.1 amps @ 12V DC	no	15	5	no
TD93DLXTARO2	10-16V DC	7.8 amps @ 12V DC	no	19	5	no
TD93DLXTARO2-S	10-16V DC	7.8 amps @ 12V DC	no	19	5	no
TD93DLXTARO-S	10-16V DC	4.1 amps @ 12V DC	no	17	5	no
TDDL15-36-15	10-16V DC	3.0 amps @ 12V DC	no	6	5	SAE J595 Class I, California Title 13* (A)
TDDL15-42, TDDL15-42TA	10-16V DC	3.0 amps @ 12V DC	no	8	5	SAE J595 Class I, California Title 13* (A)
TDDL15-47, TDDL15-47CV	10-16V DC	3.0 amps @ 12V DC	no	6	5	SAE J595 Class I, California Title 13* (A)
TDLIN-36-15	10-16V DC	1.1 amps @ 12V DC	no	6	5	SAE J595, Class I (A)
TDLIN-36-30	10-16V DC	1.1 amps @ 12V DC	no	8	5	SAE J595, Class I (A)
TDLIN-47-15	10-16V DC	1.1 amps @ 12V DC	no	8	5	SAE J595, Class I (A)
TDLIN-47-30	10-16V DC	1.1 amps @ 12V DC	no	10	5	SAE J595, Class I (A)
TDLIN-47-45	10-16V DC	1.1 amps @ 12V DC	no	12	5	SAE J595, Class I (A)
TDLIN-47-60	10-16V DC	1.1 amps @ 12V DC	no	14	5	SAE J595, Class I (A)
TDLIN24-47-30	20 - 30V DC	0.5 amps @ 12V DC 1.0 amps @ 24V DC	no	10	5	no
ULB44-TD, ULB44-TD-1	10-16V DC	3.1 amps @ 12V DC	no	4	5	SAE J595 Class I (RB)
ULB48-TD	10-16V DC	6.5 amps @ 12V DC	yes	4	5	no



# STAR PHANTOM® LED LIGHTBARS

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

- An adjustable baffle is also included to eliminate "flash back" from the window
- See page 47 for Specifications and Approvals
- See page 48 for Vehicle Specific brackets



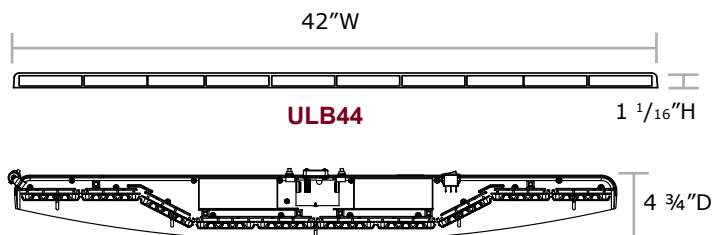
## LED Colors



## Lens Color/Cool White LEDs



**ULB44**



## Model Numbers

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

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

## Features

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

## 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

**Voltage:** 10-16V DC  
**Amp Draw:** 3.1 amps @ 12V DC

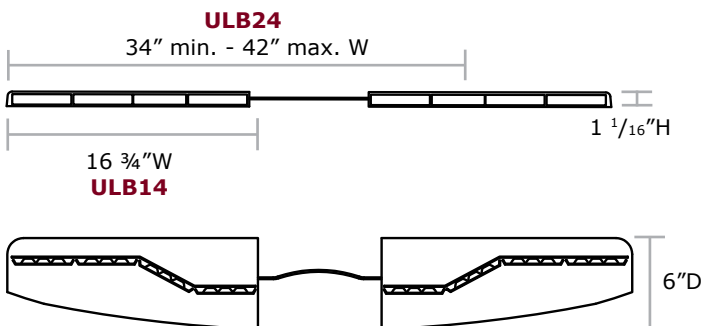
Amp draw varies depending on color of LED and the flash pattern selected



**ULB24-RB**

**ULB14-BW**

## LED Colors



## Replacement Parts for ULB24

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

## Replacement Parts for ULB14

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

## Model Numbers

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

**Voltage:** 10-16V DC  
**Amp Draw:** ULB24 - 2.5 amps @ 12V DC,  
 ULB14 - 1.3 amps @ 12V DC

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

ULB44

ULB14, ULB24

# STAR PHANTOM® LINEUM X™

- 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 47 for Specifications and Approvals
- See page 48 for Vehicle Specific brackets



ULB28

## LED Colors for ULB18



## LED Colors for ULB28



ULB18-AW

White

## Model Numbers

ULB18 ULB28

18 - Half Phantom™, 28 - Split Phantom™

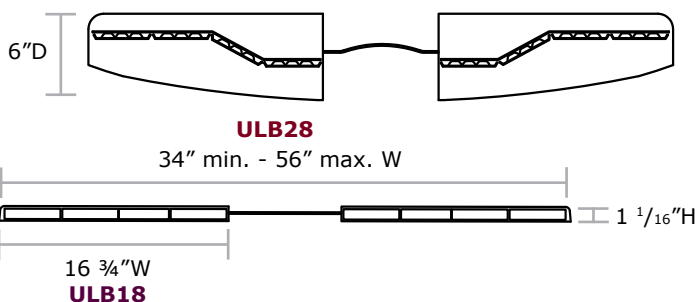
## Features

- 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 @ 12V DC

ULB28 - 5.25 amps @ 12V DC



## Replacement Parts for ULB18

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

Gasket P30047-169-18

## Replacement Part for ULB28

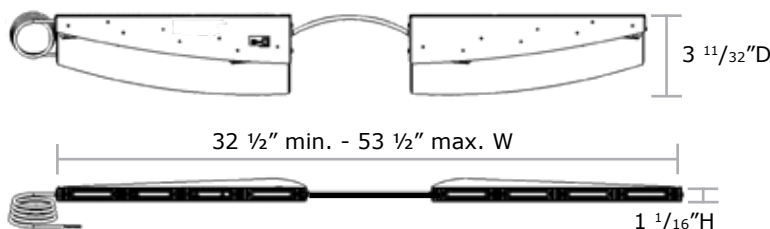
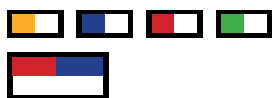
Bent end baffle left S30147-151-2L

Bent end baffle right S30147-151-2R



ULB28-FIS

## LED Colors



## Model Numbers

ULB28-CH ULB28-FIS ULB28-FISUV

28 - Split Phantom™, CH - 2015 - 2017 Dodge Charger, FIS - 2012 - 2017 Ford Interceptor Sedan, FISUV - 2012 - 2017 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:** 5.25 amps @ 12V DC

## Replacement Parts for ULB28-CH

Gasket P30047-173-16

Driver side Dodge Charger bracket P30150-431DP

Passenger side Dodge Charger bracket P30150-431PP

## Replacement Parts for ULB28-FIS, FISUV

Gasket P30047-173-16

Driver side Ford int sedan bracket P30150-420DP

Passenger side Ford int sedan bracket P30150-420PP

Driver side Ford int SUV bracket P30150-424DP

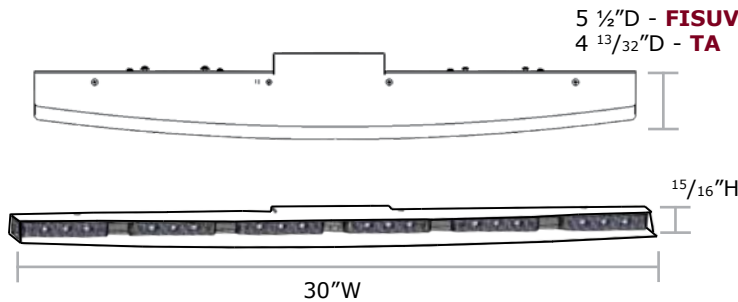
Passenger side Ford int SUV bracket P30150-424PP

# REAR WINDOW LIGHTS

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

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

## LED Colors



## Model Numbers

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

## Features

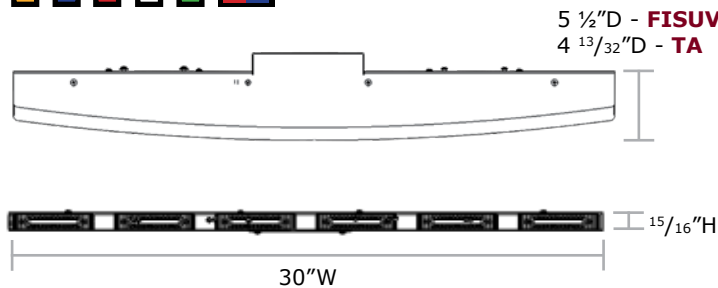
- Six-head, eighteen high intensity, Star Generation IV LEDs
- 35 customer selectable flash patterns
- Hardwire, 15' length

**Voltage:** 10-16V DC  
**Amp Draw:** 1.86 amps @ 12V DC

## Traffic Director Color 1



## LED Color 2



**Voltage:** 10-16V DC  
**Amp Draw:** 3.9 amps @ 12V DC

## 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 81	Approvals * = does not apply to all flash patterns
ULB14	10-16V DC	1.3 amps @ 12V DC	1.5	5	SAE J595*, California Title 13* (A, R, B <sub>i</sub> )
ULB18	10-16V DC	2.5 amps @ 12V DC	1.5	5	SAE J595*, California Title 13*
ULB24, ULB24-CA, ULB24-DLP	10-16V DC	2.5 amps @ 12V DC	2.8	5	SAE J595*, California Title 13* (A, R, B <sub>i</sub> )
ULB28, ULB28-CH	10-16V DC	5.2 amps @ 12V DC	2.8	5	SAE J595*, California Title 13* (A, R, B <sub>i</sub> )
ULB28-FIS, ULB28-FISUV	10-16V DC	5.25 amps @ 12V DC	1.5	5	SAE J595*, California Title 13*
ULB34-1-FISUV, ULB34-1-TA	10-16V DC	1.86 amps @ 12V DC	3	5	SAE J595*, California Title 13*
ULB38-1-FISUV, ULB34-1-TA	10-16V DC	3.9 amps @ 12V DC	4	5	SAE J595*, California Title 13*
ULB44, ULB44-1, ULB44-2, ULB44-3, ULB44-CA, ULB44-DLP	10-16V DC	3.1 amps @ 12V DC	3	5	SAE J595*, California Title 13* (A, R, B <sub>i</sub> )

ULB34-1

ULB38-1

SPECIFICATIONS

# VEHICLE SPECIFIC PHANTOM BRACKETS

## CHEVROLET

Model	Beginning Year	Through Year	Half Phantom Bracket Model Number	Models Used	Full Split Phantom Bracket Model Number	Models Used	Full Phantom Bracket Model Number Front	Models Used	Full Phantom Bracket Model Number Rear	Models Used
Caprice	2011	2017	274-ULB10-CP	ULB14, ULB18	274-ULB21-CP	ULB24, ULB28				
Impala	2006	2013	274-ULB10-IM	ULB14, ULB18	274-ULB21-IM	ULB24, ULB28	274-ULB42-2	ULB44	274-ULB42-3	ULB44
Tahoe	2007	2017	274-ULB10-TA	ULB14, ULB18	274-ULB21-TA	ULB24, ULB28				
Suburban	2007	2017	274-ULB10-TA	ULB14, ULB18	274-ULB21-TA	ULB24, ULB28				
Silverado	2008	2011				ULB24, ULB28	274-ULB42-4	ULB44		
Silverado	2012	2017			274-ULB21-U1	ULB24, ULB28		ULB44		
Universal			274-ULB10-U	ULB14, ULB18	274-ULB21-U	ULB24, ULB28				

## DODGE

Model	Beginning Year	Through Year	Half Phantom Bracket Model Number	Models Used	Full Split Phantom Bracket Model Number	Models Used	Model Number Misc. Bracket Mounts	Models Used	Model Number Misc. Bracket Mounts
Charger	2006	2010	274-ULB10-CH	ULB14, ULB18	274-ULB21-CH	ULB24, ULB28			
Charger	2011	2017	274-ULB10-CH11	ULB14, ULB18	274-ULB21-CH11	ULB24, ULB28	Headliner 274-ULB9CH	ULB9*	
Durango	2010	2017	274-ULB10-DU	ULB14, ULB18	274-ULB21-DU	ULB24, ULB28			
Magnum	2005	2008	274-ULB10-CH	ULB14, ULB18	274-ULB21-CH	ULB24, ULB28			
Ram	2009	2017	274-ULB10-RM	ULB14, ULB18	274-ULB21-RM	ULB24, ULB28	Rear Hanger BB274-DLX4-6-RHK		Rear Window BB274-DLX4-6-SLP
Universal			274-ULB10-U	ULB14, ULB18	274-ULB21-U	ULB24, ULB28			

## FORD

Model	Beginning Year	Through Year	Half Phantom Bracket Model Number	Models Used	Full Split Phantom Bracket Model Number	Models Used	Model Number Misc. Bracket Mounts	Models Used
Crown Victoria	2006	2011	274-ULB10-CV	ULB14, ULB18	274-ULB21-CV	ULB24, ULB28	Rear Deck 274-RDCV	TDDL15
Explorer	2006	2017	274-ULB10-EX	ULB14, ULB18	274-ULB21-EX	ULB24, ULB28		
Expedition	2007	2013	274-ULB10-EX	ULB14, ULB18	274-ULB21-EX	ULB24, ULB28		
F-150	2004	2014	274-ULB10-EX	ULB14, ULB18	274-ULB21-EX	ULB24, ULB28		
F-150	2015	2017	274-ULB10-F1	ULB14, ULB18	274-ULB21-F1	ULB24, ULB28		
Interceptor Sedan	2012	2017	274-ULB10-INT	ULB14, ULB18	274-ULB21-INT	ULB24, ULB28		
Interceptor SUV	2012	2017	274-ULB10-EX	ULB14, ULB18	274-ULB21-EX	ULB24, ULB28	License Plate S30150-371	DLXT
Universal			274-ULB10-U	ULB14, ULB18	274-ULB21-U1	ULB24, ULB28		

## GMC

Model	Beginning Year	Through Year	Half Phantom Bracket Model Number	Models Used	Full Split Phantom Bracket Model Number	Models Used
Yukon	2007	2017	274-ULB10-TA	ULB14, ULB18	274-ULB21-TA	ULB24, ULB28
Universal				ULB14, ULB18		ULB24, ULB28



# LED MINI-BARS

- 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 base to protect against moisture
- Rugged one piece, extruded, anodized aluminum base
- See page 53 or Specifications and Approvals

## Dome Colors



## LED Colors



## Dual Color Dome



## Configuration Options

Phase 1	Phase 2
Phase 1	Phase 2

### 9018LED Left/Right

Colors are not independently enabled

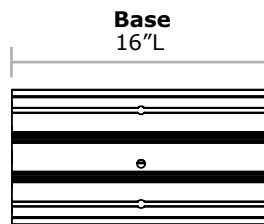
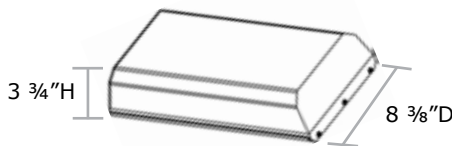
Phase 1	Phase 1
Phase 2	Phase 2

### 9018TBLED Top/Bottom

Colors are not independently enabled

Blue	Red	Blue	Red
Blue	Red	Blue	Red

### 9018DLED Dual-Color



## Replacement Parts (\* = color)

Dome	910-316-*
Dome gasket	30047-64



9018LED

## Model Numbers

9018LED 9018DLED 9018TBLED

D - Dual-Color, TB - Top/Bottom

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

**Voltage:** 10-16V DC  
**Amp Draw:** 8 amps @ 12V DC

# LED MINI-BARS

- 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 53 for Specifications and Approvals

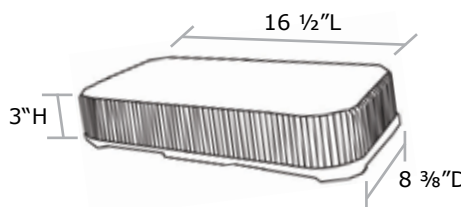
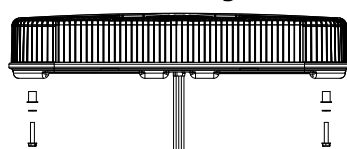
## Dome Colors



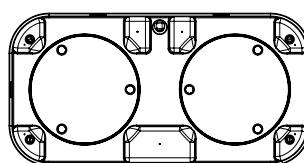
## LED Colors



## Mounting



## Base



## Replacement Parts (\* = color)

Dome	910-3-*
Cig. plug	920-PAT18HI
Magnet mount kit	910-177K
Vacuum magnet mount	920-14V
Dome gasket	30047-145

9100LED-A



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 @ 12V DC

9018LED

9100LED

# LED MINI-BARS

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

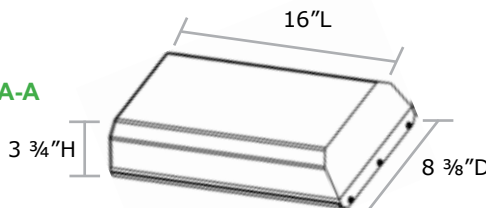
- Durable polycarbonate domes are fully gasketed between the rugged one piece, extruded, anodized base to protect against moisture
- Magnet mounts include vinyl pads to avoid scratching surfaces
- See page 53 for Specifications and Approvals



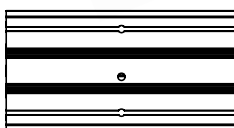
9016LED-AA-A



9016LEDV-AA-C



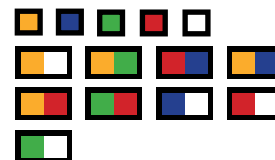
Base



## Dome Colors



## LED Colors



## 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:** 9016LED - 2 amps (Amber or Red), 3.6 amps (Blue, White, Green, Blue/White), 2.8 amps (Amber/White, Amber/Green, Red/Blue), 9016SLED - 2 amps (A, R), 3.6 amps (B, W, G)

## 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

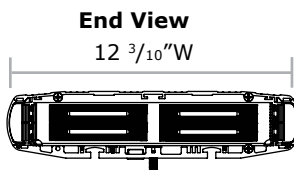
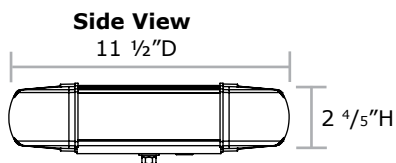
# LED MINI-BARS

- 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 53 for Specifications and Approvals



7100LED



End View

12 3/10"W

## Dome Colors



## LED Colors



## Dual Color Dome



## 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

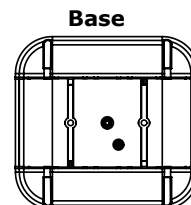
**D** - Dual-Color, **TB** - Top/Bottom

**Voltage:** 10-16V DC

**Amp Draw:** 8 amps @ 12V DC

## 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



Base

# LED MINI-BARS

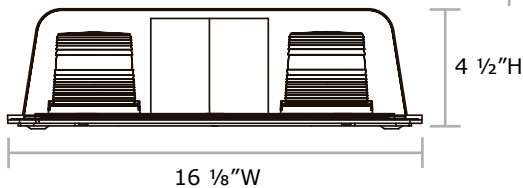
- New LED technology
- Star Generation IV LEDs
- 17 different selectable flash patterns in either of two phases, plus steady-on
- Industrial grade virgin polycarbonate lens

- Fully gasketed for protection against environmental contaminants
- Magnet mount version includes cig. plug with on/off and pattern select switch
- Shipped in quad flash pattern
- See page 53 for Specifications and Approvals

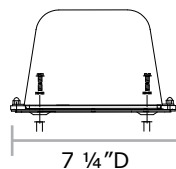
## Dome Colors



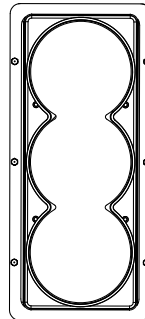
## Inner Lens Colors



## Mounting



## Base



## 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

## Model Numbers

9202L 9202LM 9202LV

M - Magnet mount, V - Vacuum magnet mount

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

# LED MINI-BARS

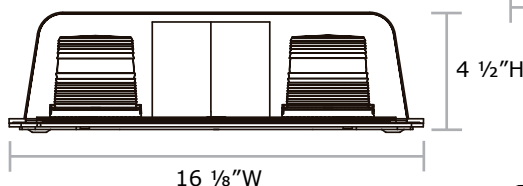
- Star Halo® LED technology is patented (#5,662,702)
- 13 customer selectable flash patterns, including steady-on and a rotating pattern
- S-Link System™ synchronizing capabilities with other Star LED units (permanent mount only)
- Fully encapsulated circuitry for increased weather and shock resistance
- 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 53 for Specifications and Approvals

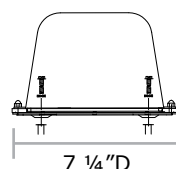
## Dome Colors



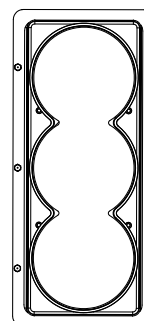
## Inner Lens Colors



## Mounting



## Base



## 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

## Model Numbers

9200H8L 9200H8LV 9200HLM

9200H8LM 9200HL 9200HLV

H - 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

9202L

9200HL



# STROBE MINI-BAR

- Double flash/quad selectable heads, via internal jumper
- Flash rate - double - 128 sequences per minute at 24 watts, quad - 84 sequences per minute at 24 watts
- 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 53 for Specifications and Approvals

9200S



9200SV



## Model Numbers

9200S 9200SM 9200SV

M - Magnet mount, V - Vacuum magnet mount

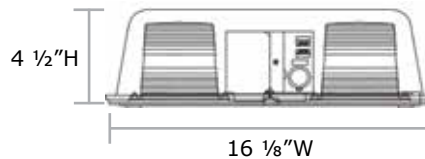
Voltage: 12-24V DC

Amp Draw: 2 amps @ 12V DC

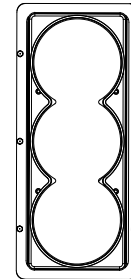
## Dome Colors



## Inner Lens Colors

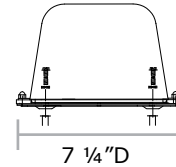


## Base



## Replacement Parts (\* = color)

Outer dome	920-3-*
Inner Fresnel lens	333-*
Strobe tube assembly	ST3901-7
V-mirror	820-29
Cig. plug with 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



# HALOGEN MINI-BARS

- Durable polycarbonate lens
- Gasket between lens and base, ABS plastic base
- Patented shock mounted rotators with two sealed roller bearings provides quiet, smooth operation and ensures 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 page 53 for Specifications and Approvals



9200H



9200HV

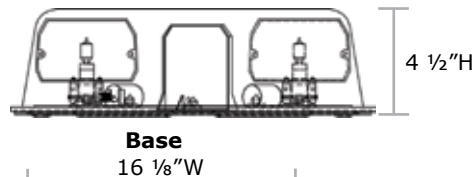
## Model Numbers

9200H 9200HM 9200HV

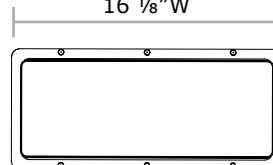
M - Magnet mount, V - Vacuum magnet mount

Voltage: 12V DC (24V DC available)

Amp Draw: 8 amps @ 12V DC



Base



## Dome Colors



## Filter Colors

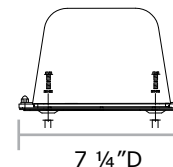


Incandescent version is available, please see website [www.starheadlight.com](http://www.starheadlight.com)

## Replacement Parts (\* = color)

Outer dome	920-3-*
Color filter for rotator	920-100-*
Halogen bulb	2073-795X
Standard rotator assembly with motor	920-0
High speed rotator assembly with 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

## Mounting





Model #	Voltage	Amp Draw (A - Amber, B - Blue, R - Red, W - White)	Weight (lbs.) (v - vacuum magnet)	Warranty (years) Refer to page 81	Approvals (* = does not apply to all flash patterns) (A - Amber, B - Blue, R - Red, C - Clear, W - White)
7100LED, 7100DLED, 7100TBLED	10-16V DC	8 amps @ 12V DC	7	5	SAE J845 Class I (A, W)
9016LED, 9016LEDM, 9016LEDV	10-30V magnet - 10-16V DC	2 amps @ 12V DC (A, R) 3.6 amps @ 12V DC (B, W, G, B/W) 2.8 amps @ 12V DC (A/W, A/G, R/B)	perm. - 7, 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 @ 12V DC (A, R), 3.6 amps @ 12V DC (B, W, G)	7	5	SAE J845 Class I (A, B, R, W)*
9018LED, 9018TBLED, 9018DLED	10-16V DC	8 amps @ 12V DC	8	5	N/A
9100LED, 9100LEDM, 9100LEDV	10-30V DC magnet - 10-16V DC	2.3 amps @ 12V DC	perm. - 4 magnet - 5, v - 6	5	SAE J845 Class I (A, W, B)*, California Title 13 available upon request*
9200H, 9200HM, 9200HV	12V DC (available in 24V DC)	8 amps @ 12V DC	perm. - 4 magnet - 5, v - 6	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	(H8L) Class I (A, B, C), California Title 13 (A, R) (HL) SAE J845 Class I (A), Class II (B, C, R)
9200H8LM, 9200HLM, 9200H8LV, 9200HLV	10-16V DC	1.2 amps @ 12V DC 0.6 amps @ 24V DC	magnet - 6, v - 7	5	(H8L) Class I (A, B, C), California Title 13 (A, R) (HL) SAE J845 Class I (A), Class II (B, C, R)
9200S, 9200SM, 9200SV	12-24V DC	2 amps @ 12V DC	perm. 4, magnet - 5, v - 6	1	SAE J845 Class II (A)*
9202L, 9202LM, 9202LV	10-30V DC magnet - 10-16V DC	0.6 amps @ 12V DC	perm. 4, magnet - 5, v - 6	5	SAE J845 Class II (A, B, C, R, G)

# LED LIGHTBAR

- Available with single color or Dual-Color heads
- Utilizes 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 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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications

PHAZER™



1550 - 58"

## LED Colors



## Dome 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

## Base Model Numbers

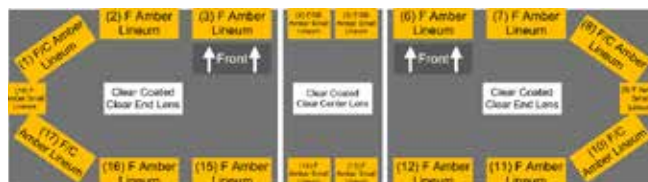
1300 1400LED 1510LED 1600

1400 1500 1550

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

**1400LED-AA** 44", Amber single color, long single (6) LED heads, short single (3) LED heads, Clear domes

**1510LED-AA** 51", Amber Tow lightbar, starburst work lights, starburst stop/tail/turn lights, long single (6) LED heads, short single (3) LED heads, Clear domes



1400LED-AA



1510LED-AA

To configure your Star Phazer™ (choose which heads, etc.), please contact Star Headlight and Lantern Co., Inc., at 585-226-9787 or [www.starheadlight.com](http://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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Mounting options



7440



## High Density™ LED Head

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



## New Lineum™ LED Head

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



## Starburst™ LED Head

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

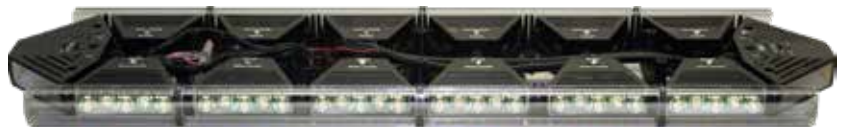
## Module Colors



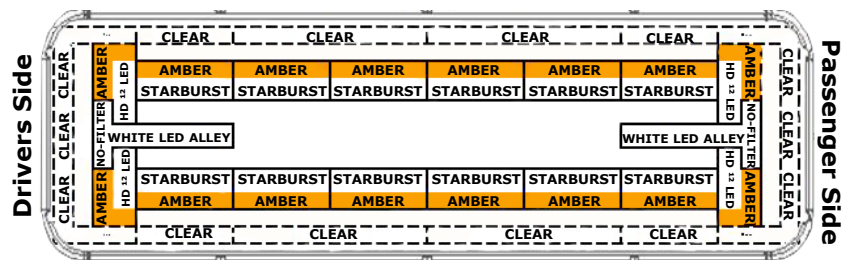
## Front Lens and End Cap Colors (Standard Clear)



## Internal View



## Front



## Rear

## Base Model Numbers

7200 7340 7440 7540 7640

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

To configure your custom Star Laser® Lightbar (choose which heads, etc.), please contact Star Headlight and Lantern Co., Inc., at 585-226-9787 or [www.starheadlight.com](http://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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications



7464LED - 46"

## Model Numbers

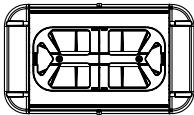
7232LED 7461LED 7464LED 7565LED-TOW  
 7460LED 7462LED 7564LED-TOW  
 72 - 22", 74 - 46", 75 - 52", TOW - Tow package

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

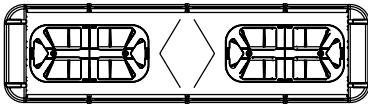
## LED Colors



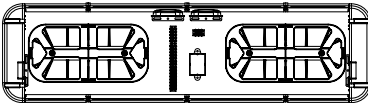
## Front Lens and End Cap Colors (Standard Clear)



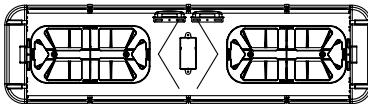
7232LED



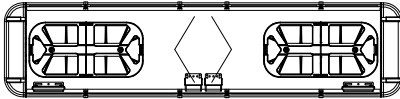
7460LED  
7464LED



7461LED



7462LED



7564LED-TOW  
7565LED-TOW



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

- Over 30 customer selectable flash patterns
- High/low power select
- Conformal coated circuitry protects against shock and vibration
- Independent 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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications

## LED Colors



## Domes (Standard Clear)



## Dual Color Available



2440

## Internal view



## 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



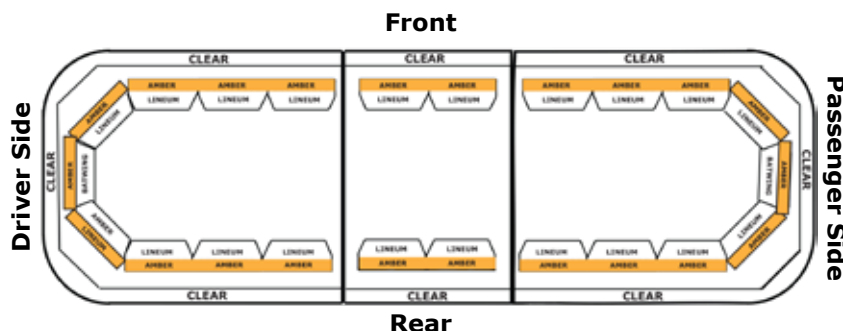
## Batwing Head

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



## Quad Starburst

Takedown/Flood light

## Base Model Numbers

2340 2440 2540 2640

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

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

# LED LIGHTBARS

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

- Fluted lens over LEDs, patent # D68,255
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Rugged one piece extruded, anodized aluminum base
- To view all Star Razor® lightbars or request a custom lightbar design kit, please contact us at [www.starheadlight.com](http://www.starheadlight.com)
- See pages 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications



2460LED

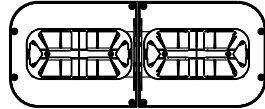
## Model Numbers

2360LED 2460LED 2461LED 2565LED-TOW  
 23 - 36", 24 - 46", 25 - 56", TOW - Tow package

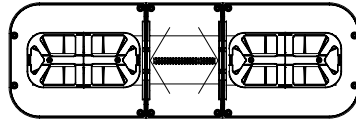
## Features

- 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)

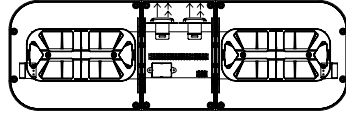
- 2360LED** 36", (2) M-Tech Plus® heads with scene lighting
- 2460LED** 46", (2) M-Tech Plus® heads with scene lighting, (2) V-mirrors
- 2461LED** 46", (2) M-Tech Plus® heads with scene lighting, (2) front DLX6 LED takedown/pursuits, (2) LED alleys
- 2565LED-TOW** 56", (2) M-Tech Plus® heads with scene lighting to the rear, (2) LED work lights, (2) Red Batwing stop/tail/turn lights



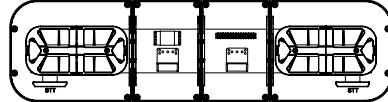
2360LED



2460LED



2461LED



2565LED-TOW

## LED Colors



## Dome Colors (Standard Clear)

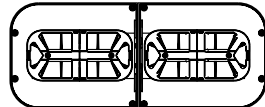


2464LED-TOW

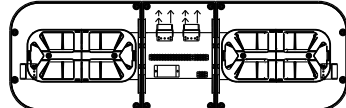
## Model Numbers

2364LED 2463LED 2464LED-TOW  
 2462LED 2464LED  
 23 - 36", 24 - 46", TOW - Tow Package

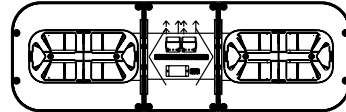
- 2364LED** 36", (2) M-Tech Plus® heads
- 2462LED** 46", (2) M-Tech Plus® LED, (2) LED takedown/pursuits, (2) LED alleys
- 2463LED** 46", (2) M-Tech Plus®, (2) V-mirrors, (2) LED takedown/pursuits
- 2464LED** 46", (2) M-Tech Plus® heads, (2) V-mirrors
- 2464LED-TOW** 46", (2) M-Tech Plus® heads, (2)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



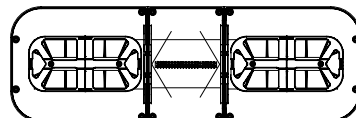
2364LED



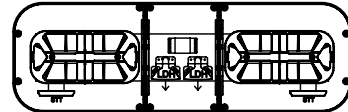
2462LED



2463LED



2464LED



2464LED-TOW

## LED Colors



## Dome Colors (Standard Clear)



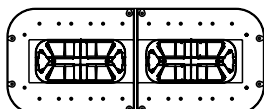
# LED LIGHTBARS

- 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 front/rear enable
- 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

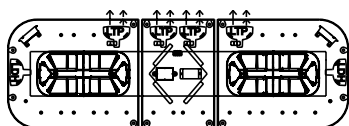
- Fluted lens over LEDs patent #D68,255
- Rugged one piece extruded, anodized aluminum base
- High/low power select
- Low input voltage detection under 10V DC
- See pages 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications



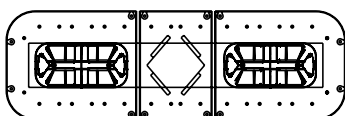
5464LED



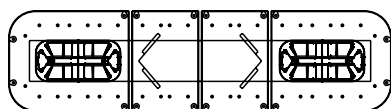
5364LED



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, (2) V-mirrors  
(4) takedown/pursuits, (2) LED alleys, (2) LED intersection clearing lights

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

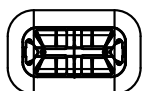
5564LED 56", (2) M-Tech Plus® heads, (2) V-mirrors

- Aerodynamic design
- Super bright, M-Tech-Plus® LED technology provides superior warning light image
- 35 customer selectable flash patterns via external wire
- Independent front/rear enable
- 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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific 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
- Ultra high intensity LED has a rotating pattern
- 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 60 - 61 for Specifications
- See pages 70 - 71 for Vehicle Specific Specifications

STARBAR®



## LED Colors



## Dome Colors



9404H8L

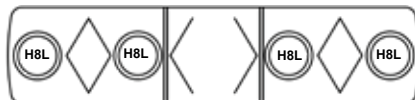
### Model Numbers

9404H8L 9404HL

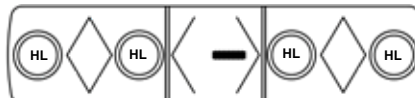
**94** - 48", **H8L** - Ultra high intensity, 8 Halo LEDs, **HL** - High intensity, 4 Halo LEDs

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

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



9404H8L



9404HL

SPECIFICATIONS

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
1300	10-16V	amps will vary	hook-on/perm. mount	2 1/8"H x 12"W x 37"L	will vary	5
1400	10-16V	amps will vary	hook-on/perm. mount	2 1/8"H x 12"W x 44"L	will vary	5
1500	10-16V	amps will vary	hook-on/perm. mount	2 1/8"H x 12"W x 51"L	will vary	5
1550	10-16V	amps will vary	hook-on/perm. mount	2 1/8"H x 12"W x 58"L	will vary	5
1600	10-16V	amps will vary	hook-on/perm. mount	2 1/8"H x 12"W x 65"L	will vary	5
2340	10-16V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 36"L	will vary	5
2440	10-16V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	will vary	5
2540	10-16V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 56"L	will vary	5
2640	10-16V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 66"L	will vary	5
7200	10-16V	amps will vary	perm./mag./vacuum mag. mount	2 5/8"H x 12 1/4"W x 22"L	will vary	5
7340	10-16V	amps will vary	perm. mount	2 5/8"H x 12 1/4"W x 34"L	will vary	5
7440	10-16V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	will vary	5
7540	10-16V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 52"L	will vary	5
7640	10-16V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 58"L	will vary	5
1400LED	10-16V	9.2 amps	hook-on/perm. mount	2 1/8"H x 12"W x 44"L	will vary	5
1510LED-AA	10-16V	10.6 amps	hook-on/perm. mount	2 1/8"H x 12"W x 51"L	will vary	5
2360LED	10-16V	7.2 amps	hook-on/perm. mount	2 3/4"H x 15"W x 36"L	20	5
2364LED	10-16V	7.2 amps	perm. mount	2 3/4"H x 15"W x 36"L	25	5
2460LED	10-16V	7.2 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	25	5
2461LED	10-16V	9.6 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	25	5
2462LED	10-16V	9.6 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	28	5
2463LED	10-16V	9.6 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	28	5
2464LED	10-16V	7.2 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	31	5
2464LED-TOW	10-16V	13 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	35	5
2565LED-TOW	10-16V	9.6 amps	hook-on/perm. mount	2 3/4"H x 15"W x 56"L	38	5
5364LED	10-16V	7.2 amps	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	perm. mount	4"H x 15"W x 46"L	31	5
5564LED	10-16V	7.2 amps	hook-on/perm. mount	4"H x 15"W x 56"L	35	5
6032LED	10-16V	3.6 amps	hook-on/perm. mount	5"H x 12 1/2"W x 20"L	12	5
6032LEDM	10-16V	3.6 amps	mag. mount	5"H x 12 1/2"W x 20"L	16	5
6464LED	10-16V	7.2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	25	5
6564LED	10-16V	7.2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	28	5
7232LED	10-16V	3.6 amps	perm. mount	2 5/8"H x 12 1/4"W x 22"L	25	5



# LED LIGHTBARS

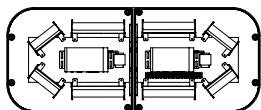
SPECIFICATIONS

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
7460LED	10-16V	7.2 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7461LED	10-16V	9.6 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7462LED	10-16V	9.6 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7464LED	10-16V	7.2 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	37	5
7564LED-TOW	10-16V	9.6 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 52"L	42	5
7565LED-TOW	10-16V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 52"L	45	5
9404H8L, 9404HL	10-16V	2.8 amps	hook-on/perm. mount	5" x 12 1/4" x 48"L	30	5

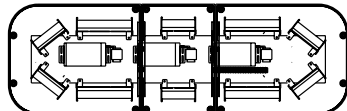
## STROBE LIGHTBARS

- Ultra low profile - only 2 3/4" high
- Wider design for better light distribution
- Standard intensity linear heads

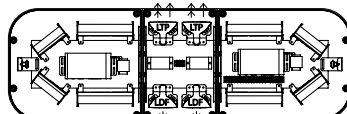
- Available with 4.5" or 7" linear strobe heads
- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



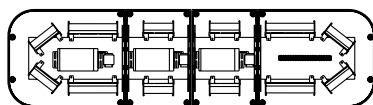
2300SL



2400SL



2420SL



2500SL

### Dome Colors



2300SL

### Model Numbers

2300SL 2400SL 2420SL 2500SL

23 - 36", 24 - 46", 25 - 56", L - Linear strobe

2300SL 36", (4) 7" linear strobes, (4) 4.5" linear strobes

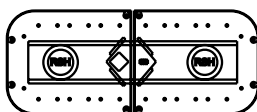
2400SL 46", (4) 7" linear strobes, (6) 4.5" linear strobes

2420SL 46", (4) 7" linear strobes, (4) 4.5" linear strobes, (2) alleys, (2) front takedown/pursuits, (2) rear flashers

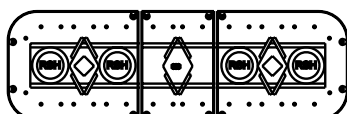
2500SL 56", (4) 7" linear strobes, (8) 4.5" linear strobes

- Super low profile, dual level lightbar only 4" tall
- Wider design for better light distribution
- Adjustable lower level light allows optimal positioning of light output

- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



5300S



5400S

### Dome Colors



### Inner Dome Colors



5400S

### Model Numbers

5300S 5400S

53 - 36", 54 - 46"

5300S 36", (2) 360° remote strobe heads, (1) two head strobe pack, (2) large V-mirrors

5400S 46", (4) 360° remote strobe heads, (2) two head strobe pack, (3) double medium V-mirrors

RAZOR®

SABRE®

# STROBE LIGHTBARS

- Super low profile, dual level lightbar only 4" tall
- Wider design for better light distribution
- Adjustable lower level light allows optimal positioning of light output
- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



5300SL

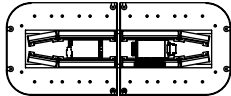
**Dome Colors**

**Inner Dome Colors**

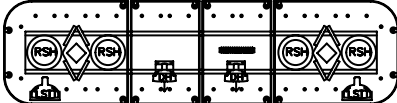
## Model Numbers

**5300SL**   **5510S**   **5510SL**   **5610S**   **5610SL**  
**53** - 36", **55** - 56", **56** - 66", **L** - Linear Strobe

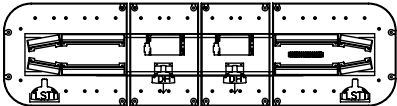
- 5300SL** 36", (4) 4.5" linear strobe heads, (4) 7" linear strobe heads, (2) four head strobe packs
- 5510S** 56", (4) 360° remote strobe heads, (2) double V-mirrors, (2) rear directional halogen flood lights, (2) two head strobe packs, (2) lower stop/tail/turn lights
- 5510SL** 56", (4) 4.5" linear strobe heads, (4) 7" linear strobe heads, (2) four head strobe packs, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights
- 5610S** 66", (4) 360° remote strobe heads, (1) halogen rotator, (2) double V-mirrors, (2) small V-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights
- 5610SL** 66", (4) 4.5" linear strobe heads, (4) 7" linear strobe heads, (2) four head strobe packs, (1) halogen rotator, (2) small V-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights



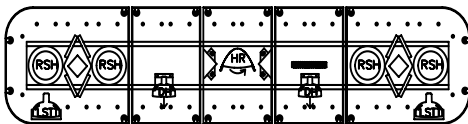
5300SL



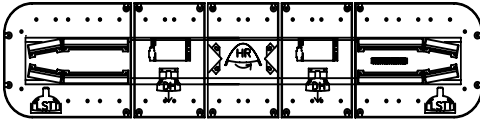
5510S



5510SL



5610S



5610SL

# STROBE LIGHTBARS

- 5" high
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Sloped end domes for better vehicle contour image
- Adjustable lower level light allow optimal positioning of light output
- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



8400S

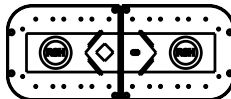
**Dome Colors**

**Inner Dome Colors**

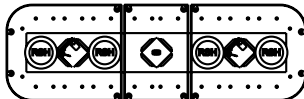
## Model Numbers

**8300S**   **8400S**   **8401S**  
**83** - 36", **84** - 46"

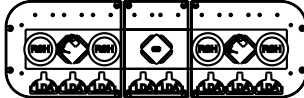
- 8300S** 36", (2) 360° remote strobe heads, (1) two head strobe packs, (2) medium V-mirrors
- 8400S** 46", (4) 360° remote strobe heads, (2) two head strobe packs, (3) double V-mirrors
- 8401S** 46", (4) 360° remote strobe heads, (2) two head strobe packs, (3) double V-mirrors, lower directional arrow assembly with colored lenses



8300S



8400S



8401S

# STROBE LIGHTBARS

- 5" high
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Sloped end domes for better vehicle contour image

- Adjustable lower level light allow optimal positioning of light output
- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications

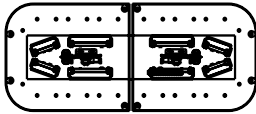
## Dome Colors



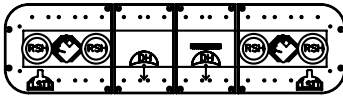
## Inner Dome Colors



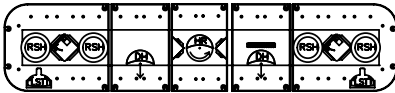
8300SL



8300SL



8510S



8610S



8610SL

## Model Numbers

**8300SL**    **8510S**    **8610S**    **8610SL**

**83** - 36", **85** - 56", **86** - 66", **L** - Linear Strobe

**8300SL**    36", (4) 7" linear strobes, (4) 4.5" linear strobes, (2) four head strobe packs

**8510S**    56", (4) 360° remote strobe heads, (2) double V-mirrors, (2) rear directional halogen flood lights, (2) two head strobe packs, (2) lower stop/tail/turn lights

**8610S**    66", (4) 360° remote strobe heads, (1) halogen rotator, (2) double V-mirrors, (2) medium V-mirrors, (2) directional halogen flood lights, (2) two heads strobe packs, (2) lower stop/tail/turn lights

**8610SL**    66", (4) 7" linear strobes, (4) 4.5" linear strobes, (1) halogen rotator, (2) medium V-mirrors, (2) rear directional halogen flood lights, (2) four head strobe packs, (2) lower stop/tail/turn lights

# STROBE 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

- Custom lightbar configurations are available
- See pages 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications

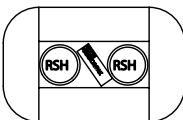
## Dome Colors



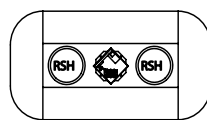
## Inner Dome Colors



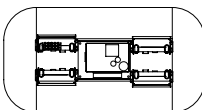
6224SL



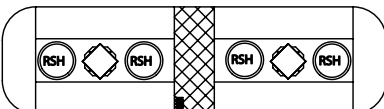
6020S



6222S



6224SL



6444S

## Model Numbers

**6020S**    **6222S**    **6224SL**    **6444S**

**60** - 20", **62** - 24", **64** - 44", **L** - Linear strobe

**6020S**    20", (2) 360° remote strobe heads, (1) wall mirror/strobe pack, (1) 12" dome section

**6222S**    24", (2) 360° remote strobe heads, (1) two head strobe pack, (1) double medium V-mirror, (1) 16" dome section

**6224SL**    24", (4) 4.5 linear strobe heads, (1) four head power pack, (1) 16" dome section

**6444S**    44", (4) 360° remote strobe heads, (2) double medium V-mirrors, (2) two head strobe packs, (2) 16" dome sections



# STROBE LIGHTBARS

- Heavy duty aluminum extruded base will not warp, bend, or sag
- Impact resistant polycarbonate lens, providing 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 64 - 65 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



9404S

## Model Numbers

9300S 9400S 9404S 9411S 9500S 9512S

93 - 36", 94 - 48", 95 - 58"

**9300S** 36", (2) 360° remote strobe heads, (2) V-mirrors, (2) wall mirrors, (1) two head strobe pack

**9400S** 48", (2) 360° remote strobe heads, (2) V-mirrors, (2) wall mirrors, (1) two head strobe pack

**9404S** 48", (4) 360° remote strobe heads, (3) double V-mirrors, (2) two head strobe packs

**9411S** 48", (2) 360° strobe beacons, (2) V-mirrors, (2) wall mirrors, (3) ID marker lights, (2) rear directional halogen flood lights, (1) two head strobe pack, (2) stop/tail/turn lights

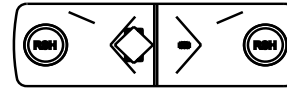
**9500S** 58", (6) 360° strobes, (2) double V-mirrors, (2) V-mirrors

**9512S** 58", (4) 360° remote strobe heads, (2) double V-mirrors, (3) ID marker lights, (2) rear directional halogen flood lights, (2) two head strobe pack, (2) stop/tail/turn lights

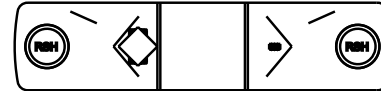
## Dome Colors



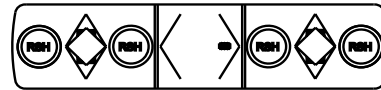
## Inner Dome Colors



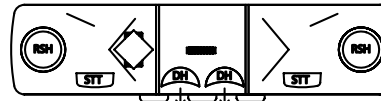
9300S



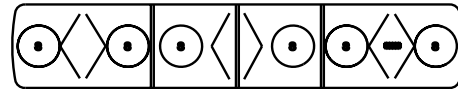
9400S



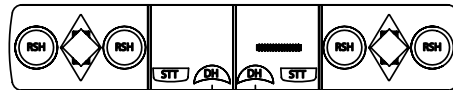
9404S



9411S



9500S



9512S

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
2300SL	12V	14 amps	perm. mount	2 3/4"H x 15"W x 36"L	30	1
2400SL	12V	21 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	39	1
2420SL	12V	18 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	39	1
2500SL	12V	21 amps	hook-on/perm. mount	2 3/4"H x 15"W x 56"L	45	1
5300S	12V	2 amps	perm. mount	4"H x 15"W x 36"L	27	1
5300SL	12V	14 amps	perm. mount	4"H x 15"W x 36"L	30	1
5400S	12V	4 amps	hook-on/perm. mount	4"H x 15"W x 46"L	35	1
5510S	12V	12 amps	hook-on/perm. mount	4"H x 15"W x 56"L	40	1
5510SL	12V	22 amps	hook-on/perm. mount	4"H x 15"W x 56"L	41	1
5610S	12V	16 amps	hook-on/perm. mount	4"H x 15"W x 66"L	50	1
5610SL	12V	27 amps	hook-on/perm. mount	4"H x 15"W x 66"L	51	1
6020S	12V	2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 20"L	12	1
6222S	12V	2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 24"L	15	1
6224SL	12V	9 amps	hook-on/perm. mount	5"H x 12 1/2"W x 24"L	17	1
6444S	12V	4 amps	hook-on/perm. mount	5"H x 12 1/2"W x 44"L	27	1
8300S	12V	2 amps	perm. mount	5"H x 15"W x 36"L	27	1
8300SL	12V	14 amps	perm. mount	5"H x 15"W x 36"L	32	1
8400S	12V	4 amps	hook-on/perm. mount	5"H x 15"W x 46"L	35	1
8400S	12V	4 amps	hook-on/perm. mount	5"H x 15"W x 46"L	35	1
8401S	12V	12 amps	hook-on/perm. mount	5"H x 15"W x 36"L	37	1
8510S	12V	16 amps	hook-on/perm. mount	5"H x 15"W x 56"L	45	1
8610S	12V	20 amps	hook-on/perm. mount	5"H x 15"W x 66"L	53	1
8610SL	12V	34 amps	hook-on/perm. mount	5"H x 15"W x 66"L	54	1
9300S	12V	2 amps	perm. mount	5"H x 11"W x 36"L	20	1
9400S	12V	2.3 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1

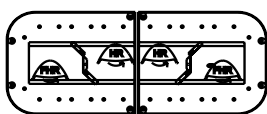


Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
9404S	12V	4 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1
9411S	12V	17 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1
9500S	12V	12 amps	hook-on/perm. mount	5"H x 11"W x 58"L	42	1
9512S	12V	19 amps	hook-on/perm. mount	5"H x 11"W x 58"L	42	1

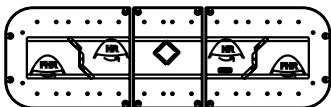
## HALOGEN LIGHTBARS

- Low profile, dual level lightbar only 4" tall
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Adjustable lower level light allows optimal positioning of light output
- Dual ball bearing rotator spindle for smooth, quiet, rotator operation

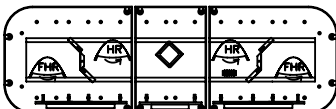
- Shock mounted rotator system for long lasting, quiet, rotator operation
- See page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



5300H



5400H



5401H

## Dome Colors



5300H

## Model Numbers

5300H      5400H      5401H

53 - 36", 54 - 46"

**5300H** 36", (2) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors

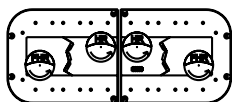
**5400H** 46", (2) halogen rotators, (2) fast halogen rotators, (2) medium V-mirrors, (2) Z-mirrors

**5401H** 46", (2) halogen rotators, (2) fast halogen rotators, (2) medium V-mirrors, (2) Z-mirrors, lower LED directional arrow assembly

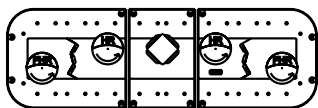
## HALOGEN LIGHTBARS

- 5" high
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Sloped end domes for better vehicle contour image
- Adjustable lower level light allow optimal positioning of light output

- Shock mounted rotator system for long lasting, quiet, rotator operation
- Dual ball bearing rotator spindle for smooth, quiet, rotator operation
- See page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



8300H



8400H

## Dome Colors



## Model Numbers

8300H      8400H

83 - 36", 84 - 46"

**8300H** 36", (2) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors

**8400H** 46", (2) halogen rotators, (2) fast halogen rotators, (1) double V-mirror, (2) Z-mirrors

# HALOGEN LIGHTBARS

- 5" high
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Sloped end domes for better vehicle contour image
- Adjustable lower level light allow optimal positioning of light output

- Shock mounted rotator system for long lasting, quiet, rotator operation
- Dual ball bearing rotator spindle for smooth, quiet, rotator operation
- See page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



8401H

## Dome Colors



### Model Numbers

**8401H**   **8402HSL**   **8510H**   **8521H**   **8610H**

**84** - 46", **85** - 56", **86** - 66", **HSL** - Halogen and Linear Strobe

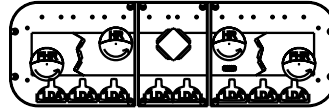
**8401H**   46", (2) halogen rotators, (2) fast halogen rotators, (1) double V-mirror, (2) Z-mirrors, lower directional arrow assembly with colored lenses

**8402HSL**   46", (1) halogen rotator, (2) fast halogen rotators, (2) large V-mirrors, (2) medium V-mirrors, (4) 4.5" linear strobe heads, (1) four head strobe pack

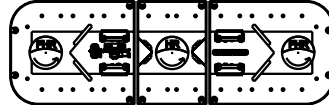
**8510H**   56", (2) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights

**8521H**   56", (4) fast halogen rotators, (2) halogen rotators, (2) Z-mirrors, (2) wall mirrors, (2) rear directional flood lights, (2) lower stop/tail/turn lights, lower directional arrow assembly with colored lenses

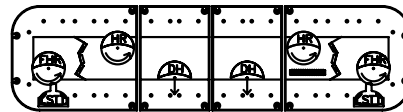
**8610H**   66", (3) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors, (2) medium V-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights



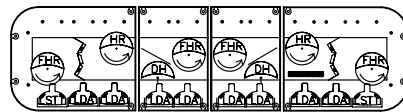
8401H



8402HSL



8510H



8521H



8610H

# HALOGEN 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

- Inserts are only available on 16" dome sections (up to two inserts front and two inserts to the rear)
- See page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



6222H

### Model Numbers

**6020H**   **6020HM**   **6222H**   **6304H**   **6414H**

**60** - 20", **62** - 24", **63** - 40", **64** - 44", **M** - Magnet mount

**6020H**   20", (2) halogen rotators, (1) wall mirror, (1) 12" dome section

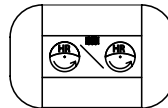
**6020HM**   20", (2) halogen rotators, (1) wall mirror, (1) 12" dome section, magnet mount, cig. plug with lighted on/off switch

**6222H**   24", (2) halogen rotators, (1) double V-mirror, (1) 16" dome section

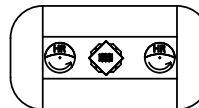
**6304H**   40", (4) halogen rotators, (2) wall mirrors, (2) 12" dome sections

**6414H**   44", (4) halogen rotators, (2) wall mirrors, directional halogen flashers, (2) 16" dome sections

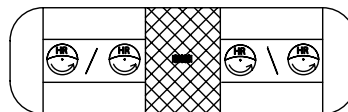
## Dome Colors



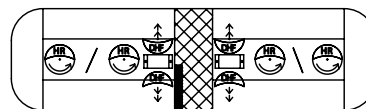
6020H, 6020HM



6222H



6304H



6414H

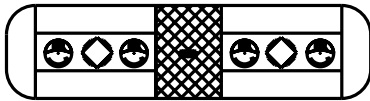
# HALOGEN LIGHTBARS

- 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

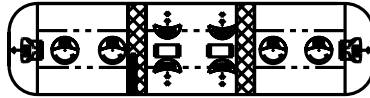
- Inserts are only available on 16" dome sections (up to two inserts front and two inserts to the rear)
- See page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications



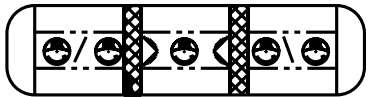
6556H



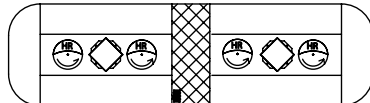
6420H



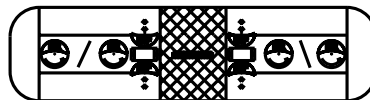
6423H



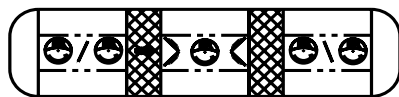
6430H



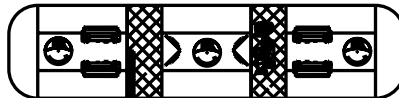
6444H



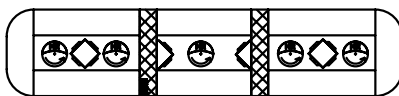
6448H



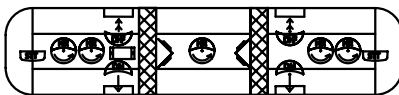
6500H



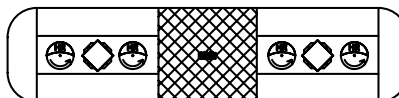
6500HSL



6530H



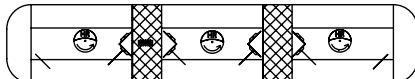
6531H



6550H



6556H



6603H



6606H

## Dome Colors



## Model Numbers

6420H	6444H	6500HSL	6550H	6606H
6423H	6448H	6530H	6556H	
6430H	6500H	6531H	6603H	

64 - 44", 65 - 52" or 56", 66 - 64", HSL - Halogen and linear strobe

6420H	48", (4) halogen rotators, (2) medium double V-mirrors, (2) 16" dome sections
6423H	48", (4) halogen rotators, (2) front flashers, (2) rear flashers, (2) alley lights, (3) 12" dome sections
6430H	48", (5) halogen rotators, (2) V-mirrors, (2) wall mirrors, (3) 12" dome sections
6444H	44", (4) halogen rotators, (2) double V-mirrors, (2) 16" dome sections
6448H	48", (4) halogen rotators, (2) wall mirrors, (2) front flashers, (2) rear flashers, (2) 16" dome sections
6500H	52", (5) halogen rotators, (2) V-mirrors, (2) wall mirrors, (3) 12" dome sections
6500HSL	52", (3) halogen rotators, (4) 4.5" linear strobe heads, (1) four head strobe pack, (2) V-mirrors, (3) 12" dome sections
6530H	56", (5) halogen rotators, (2) V-mirrors, (2) double V-mirrors, (2) 16" dome sections, (1) 12" dome section
6531H	56", (5) halogen rotators, (2) front flashers, (2) rear work lights, (2) V-mirrors, (2) stop/tail/turn lights, (2) 16" end dome sections, (1) 12" center dome section
6550H	52", (4) halogen rotators, (2) double V-mirrors, (2) 16" dome sections
6556H	56", (4) halogen rotators, (1) wall mirror, (2) front flashers, (2) stop/tail/turn lights, (2) 12" dome sections, (1) 16" dome section
6603H	64", (3) halogen rotators, (4) V-mirrors, (6) wall mirror array, (3) 16" dome sections
6606H	64", (6) halogen rotators, (3) double V-mirrors, (3) 16" dome sections

# HALOGEN 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 page 69 for Specifications
- See pages 70 - 71 for Vehicle Mounting Specifications

STARBAR®



9300H

## Model Numbers

**9300H**   **9400H**   **9404H**   **9500H**

93 - 36", 94 - 48", 95 - 58"

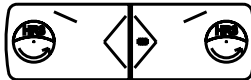
**9300H**   36", (2) Starbeam halogen rotators, (2) V-mirrors, (2) wall mirrors

**9400H**   48", (2) Starbeam halogen rotators, (2) V-mirrors, (2) large wall mirrors

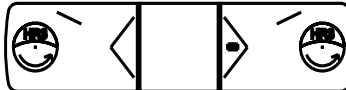
**9404H**   48", (4) Starbeam halogen rotators, (2) V-mirrors, (2) large wall mirrors

**9500H**   58", (6) Starbeam halogen rotators, (2) large wall mirrors, (2) V-mirrors

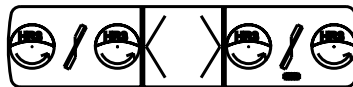
## Dome Colors



9300H



9400H



9404H



9500H

STARBAR®



9411H

## Model Numbers

**9411H**   **9511H**   **9512H**   **9512HS**

94 - 48", 95 - 58", HS - Halogen and strobe

**9411H**   48", (2) Starbeam halogen rotators, (2) V-mirrors, (2) wall mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights

**9511H**   58", (2) Starbeam halogen rotators, (2) V-mirrors, (2) wall mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights

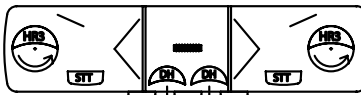
**9512H**   58", (4) halogen rotators, (2) large wall mirrors, (3) ID marker lights, (2) rear directional halogen flood lights, (2) stop/tail/turn lights

**9512HS**   58", (2) halogen rotators, (2) 360° remote strobe heads, (2) double V-mirrors, (2) stop/tail/turns lights, (3) ID marker lights, (2) rear directional halogen flood lights, (1) two head strobe pack

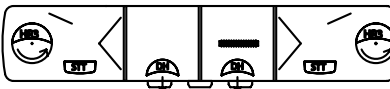
## Dome Colors



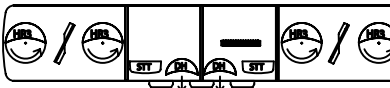
Rear View



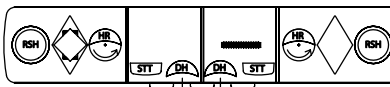
9411H



9511H



9512H



9512HS



# HALOGEN LIGHTBARS

## SPECIFICATIONS

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
5300H	12V	16 amps	perm. mount	4"H x 15"W x 36"L	25	1
5400H	12V	16 amps	hook-on/perm. mount	4"H x 15"W x 46"L	30	1
5401H	12V	18 amps	hook-on/perm. mount	4"H x 15"W x 46"L	32	1
6020H	12V	8 amps	perm. mount	5"H x 12 ½"W x 20"L	12	1
6020HM	12V	8 amps	magnet	5"H x 12 ½"W x 20"L	20	1
6222H	12V	8 amps	perm. mount	5"H x 12 ½"W x 24"L	15	1
6304H	12V	16 amps	hook-on/perm. mount	5"H x 12 ½"W x 40"L	24	1
6414H	12V	28 amps	hook-on/perm. mount	5"H x 12 ½"W x 44"L	26	1
6420H	12V	16 amps	hook-on/perm. mount	5"H x 12 ½"W x 48"L	25	1
6423H	12V	28 amps	hook-on/perm. mount	5"H x 12 ½"W x 48"L	29	1
6430H	12V	20 amps	hook-on/perm. mount	5"H x 12 ½"W x 48"L	33	1
6444H	12V	16 amps	hook-on/perm. mount	5"H x 12 ½"W x 44"L	25	1
6448H	12V	24 amps	hook-on/perm. mount	5"H x 12 ½"W x 48"L	25	1
6500H	12V	20 amps	hook-on/perm. mount	5"H x 12 ½"W x 52"L	18	1
6500HSL	12V	30 amps	hook-on/perm. mount	5"H x 12 ½"W x 52"L	32	1
6530H	12V	20 amps	hook-on/perm. mount	5"H x 12 ½"W x 56"L	29	1
6531H	12V	24 amps	hook-on/perm. mount	5"H x 12 ½"W x 56"L	30	1
6550H	12V	16 amps	hook-on/perm. mount	5"H x 12 ½"W x 52"L	20	1
6556H	12V	24 amps	hook-on/perm. mount	5"H x 12 ½"W x 56"L	30	1
6603H	12V	12 amps	hook-on/perm. mount	5"H x 12 ½"W x 64"L	35	1
6606H	12V	24 amps	hook-on/perm. mount	5"H x 12 ½"W x 64"L	31	1
8300H	12V	16 amps	perm. mount	5"H x 15"W x 36"L	25	1
8400H	12V	16 amps	hook-on/perm. mount	5"H x 15"W x 46"L	30	1
8401H	12V	20 amps	hook-on/perm. mount	5"H x 15"W x 46"L	32	1
8402HSL	12V	21 amps	hook-on/perm. mount	5"H x 15"W x 46"L	40	1
8510H	12V	28 amps	hook-on/perm. mount	5"H x 15"W x 56"L	42	1
8521H	12V	42 amps	hook-on/perm. mount	5"H x 15"W x 56"L	47	1
8610H	12V	32 amps	hook-on/perm. mount	5"H x 15"W x 66"L	50	1
9300H	12V	8 amps	hook-on/perm. mount	5"H x 11"W x 36"L	20	1
9400H	12V	8 amps	hook-on/perm. mount	5"H x 11"W x 36"L	30	1
9404H	12V	16 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1
9411H	12V	22 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1
9500H	12V	24 amps	hook-on/perm. mount	5"H x 11"W x 58"L	42	1
9511H	12V	22 amps	hook-on/perm. mount	5"H x 11"W x 58"L	42	1
9512HS	12V	25 amps	hook-on/perm. mount	5"H x 11"W x 58"L	42	1

# VEHICLE SPECIFIC LIGHTBAR MOUNT KITS

Chevrolet Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Avalanche	Wrap-around doors	2002	2013	51"	920-35-S105	920-FX1
C/K Pickup 1500	Wrap-around doors	1999	2010	52"	920-35-S105	920-FX1
C/K Pickup 2500, 3500	Wrap-around doors	2001	2010	52"	920-35-S105	920-FX1
Caprice	Standard roof	2011	2017	51"	920-35GM7	920-FX2
Colorado	Wrap-around doors	2004	2012	45"	920-35GM6	920-FX2
Impala	Wrap-around doors	2006	2013	46 ½"	920-35I6	920-FX2
Silverado/Sierra	Wrap-around doors	2001	2013	52"	920-35-S105	920-FX1
Silverdao	Wrap-around doors	2014	2017	52"	920-35GM8	920-FX2
Suburban	Wrap-around doors	2007	2014	55"	920-35GM5	920-FX1
Suburban	Wrap-around doors	2015	2017	55"	920-35GM8	920-FX2
Tahoe	Wrap-around doors	2007	2014	55"	920-35GM5	920-FX1
Tahoe	Wrap-around doors	2015	2017	55"	920-35GM8	920-FX2
Trailblazer	Wrap-around doors	2007	2009	51"	920-35-S105	920-FX1

Dodge Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Avenger	Wrap-around doors	2008	2014		920-35D	920-FX1
Charger	Wrap-around doors	2005	2007	51"	920-35M1	920-FX1
Charger	Wrap-around doors	2008	2017	51"	920-35CH	920-FX2
Dakota (Reg, Ext., Crew)	Wrap-around doors	1997	2011	48"	920-35GM	920-FX1
Dakota	Wrap-around doors	2006	2011	48"	920-35F	920-FX1
Dart	Wrap-around doors	2013	2015		920-35D	920-FX1
Durango	Wrap-around doors	2004	2017	48"	920-35-S105	920-FX1
Ram Pickup (Crew)	Wrap-around doors	2003	2007	48"	920-35RM5	920-FX1
Ram Pickup (Reg.)	Wrap-around doors	2003	2007	48"	920-35RM2	920-FX1
Ram Pickup (1500, 2500, 3500)	Wrap-around doors	2008	2017	57 ½"	920-35RM3	920-FX2

Ford Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Crown Victoria	Wrap-around doors	1992	2011	46"	920-35CVLP	920-FX1
Edge	Wrap-around doors	2011	2013		920-35F3	920-FX3
Escape	Wrap-around doors	2010	2013		920-35F3	920-FX3
E-450	Wrap-around doors	2003	2009	60 ½"	920-35F6	920-FX3
E-Series (Van)	Standard roof	1987	2007	66"	920-35	920-FX1
Expedition	Wrap-around doors	2003	2015	52"	920-35FT	920-FX1
Explorer	Wrap-around doors	2003	2015	51"	920-35D1	920-FX2
F-Series (150)	Wrap-around doors	2007	2017	57"	920-35F1	920-FX3
F-Series (250, 350,450, 550)	Wrap-around doors	2007	2017	58 ½"	920-35F2	920-FX3
F-Series (250, 350, 450)	Wrap-around doors	2003	2017	58 ½"	920-35F9	920-FX1
Interceptor (Explorer)	Wrap-around doors	2012	2017	54"	920-35F5	920-FX3
LTD-Crown Victoria		1992	2011	46"	920-35CVLP	920-FX1
Taurus Interceptor (Sedan)	Wrap-around doors	2010	2017	48 ½"	920-35F3	920-FX3

GMC Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Canyon	Wrap-around doors	2007	2011	45"	920-35GM6	920-FX2
Envoy	Wrap-around doors	2002	2005	48"	920-35CTB	920-FX2
Trucks		1995	2000		920-35-S105	920-FX1

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

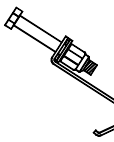
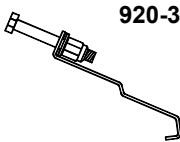
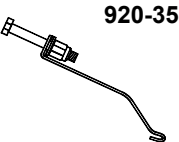
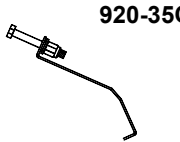
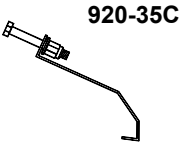
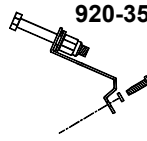
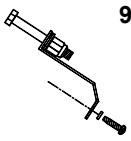
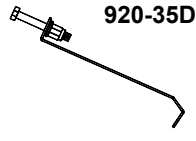
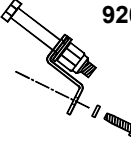
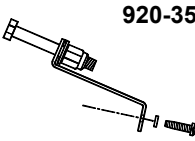
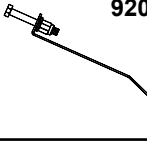
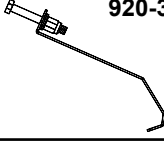
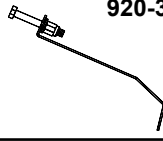
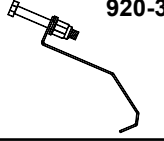
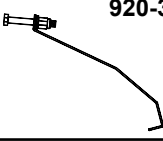
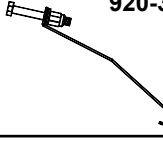
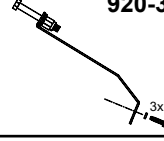
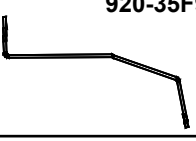
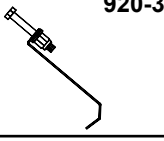
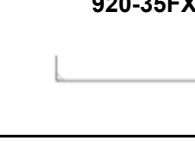
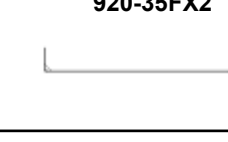
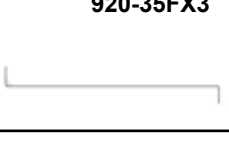
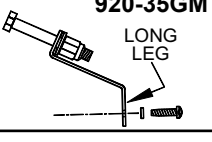
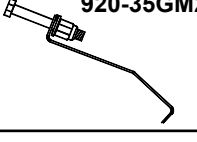
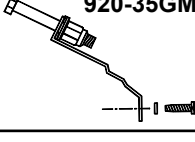
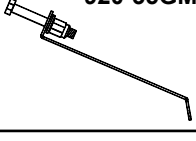
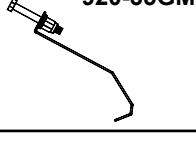
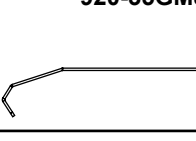
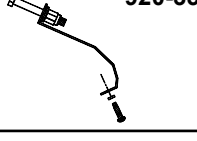
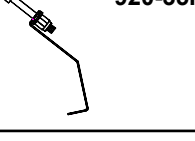
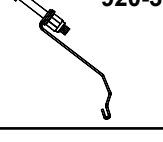
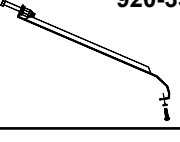
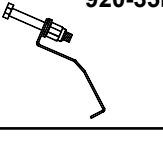
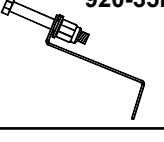
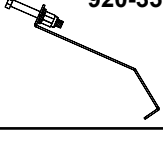


# VEHICLE SPECIFIC LIGHTBAR MOUNT KITS

Jeep Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Cherokee	Standard roof	1990	1994	53 ½"	920-35	920-FX1
Cherokee	Standard roof	1995	2001	51 ½"	920-35	920-FX1
Grand Cherokee	Wrap-around door	1999	2004	48"	920-35GM	920-FX1
Liberty	Wrap-around Door	2002	2004	46"	920-35GM	920-FX1

Pontiac Model	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Grand Prix		1994			920-35GM	920-FX1

Chrysler Model	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
PT Cruiser	Wrap-around doors	2001	2005	44"	920-35GM	920-FX1

Toyota Models	Style	Beginning Year	Through Year	Roof Width	Model Number	Flex Models
Tundra		2004	2013		920-35F	920-FX1
Hilux	Wrap-around doors	2010	2016		920-35F	920-FX1
Tacoma	Wrap-around doors	2010	2016		920-35F	920-FX1

 <b>920-35</b>	 <b>920-35C</b>	 <b>920-35C5</b>	 <b>920-35CH</b>	 <b>920-35CTB</b>
 <b>920-35CVLP</b>	 <b>920-35D</b>	 <b>920-35D1</b>	 <b>920-35EX</b>	 <b>920-35F</b>
 <b>920-35F1</b>	 <b>920-35F2</b>	 <b>920-35F3</b>	 <b>920-35F4</b>	 <b>920-35F5</b>
 <b>920-35F6</b>	 <b>920-35F8</b>	 <b>920-35F9</b>	 <b>920-35FT</b>	 <b>920-35FX1</b>
 <b>920-35FX2</b>	 <b>920-35FX3</b>	 <b>920-35GM</b>	 <b>920-35GM2</b>	 <b>920-35GM5</b>
 <b>920-35GM6</b>	 <b>920-35GM7</b>	 <b>920-35GM8</b>	 <b>920-35I</b>	 <b>920-35I6</b>
 <b>920-35INT</b>	 <b>920-35IZ</b>	 <b>920-35RM1</b>	 <b>920-35RM2</b>	 <b>920-35RM3</b>
 <b>920-35RM5</b>	 <b>920-35-105</b>			

# STAR ALARM® BACK-UP ALARMS

- CRS Technology™ incorporates a compact rear-facing speaker with a 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
- 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)
- See pages 75 - 76 for Specifications and Approvals



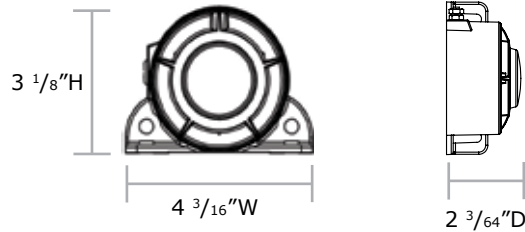
## Model Numbers

66-087	66-102	66-807A	66L-102DT
66-087NS	66-102DT	66-907S	66L-107
66-097	66-102NS	66L-087	66L-707A
66-097-12	66-107	66L-097	66L-802A
66-097DF	66-707A	66L-097-12	66L-807A
66-097DT	66-802A	66L-097DT	
66-097NS	66-802S	66L-102	

**87** - 87 decibels, **97** - 97 decibels, **12** - 12V DC only,  
**66** - Two wires, **102** - 102 decibels, **107** - 107 decibels,  
**707** - 77-97 decibels, **802A** - 82-102 decibels, **802S** - 87 or  
 102 decibels, **807** - 87-107 decibels, **907** - 97 or 107 decibels,  
**A** - Auto adjust, **DF** - Dual function, **DT** - Dual tone, **L** - Lugs  
 only, **NS** - Night silent, **S** - Selectable

**Voltage:** 10-32V DC

**Amp Draw:** 0.3 amps @ 12V DC



## Audio Tone

Standard Beep

Dual Tone "DT"

## Functionality

Dual Function "DF"

Selectable decibel "S"

Auto Adjust "A"

Night Silent "NS"

## Description

Standard single tone, familiar and widely recognized "reverse" tone

Constant emission of sound by switching between two sounds

## Description

Alarm can beep in standard single tone, then by applying voltage to a third wire have the tone change to a two tone

Select between two loudness levels by applying voltage to a third wire

Automatically selects its volume based on the environment within its listed operating range

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

# STAR ALARM® BACK-UP ALARMS

- 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
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA
- See pages 75 - 76 for Specifications and Approvals



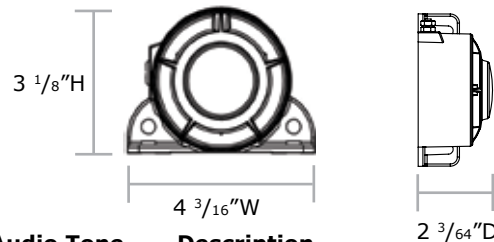
## Model Numbers

66-087SS	66L-097SS
66-092SS	66-087SSNS
66-097SS	66-097SSNS

**87** - 87 decibels, **92** - 92 decibels, **97** - 97 decibels,  
**66** - Two wires, **102** - 102 decibels, **L** - lugs only, **SS** - Star  
 Spectrum, **SSNS** - Night silent Spectrum tone

**Voltage:** 10-32V DC

**Amp Draw:** 0.3 amps @ 12V DC



## Audio Tone

Spectrum "SS"

## Functionality

Night Silent "NS"

## Description

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

## Description

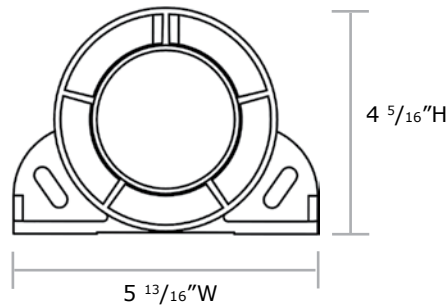
Ability to disable the alarm by applying voltage to a third wire (required in some jurisdictions)



# STAR ALARM® BACK-UP ALARMS

- CRS Technology™
- Long term reliability
- Compact rear-facing speaker with heavy duty glass nylon filled housing
- Almost completely protects the speaker from the damage often caused by high-pressure spray, dirt, and fine dust!

- Industry standard mounting holes
- Amp draw: 0.4 amps
- Three wiring options (two wire, lug, and two wire 12" cable)
- See pages 75 - 76 for Specifications and Approvals



68 Series

## Model Numbers

**68-112**    **68L-112**    **68C-112**

**68** - Reverse Back-Up alarm, **112** - 112 decibels, **C** - Two wire cable, **L** - Lugs only

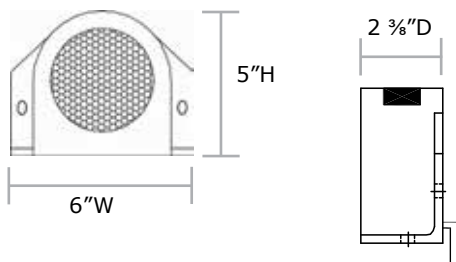
**Voltage:** 10-32V DC

**Amp Draw:** 0.4 amps @ 12V DC

# STAR ALARM® BACK-UP ALARMS

- Built for long term reliability
- Beep rate of approximately 60 per minute
- Convenient compact size
- Perfect for a wide range of vehicle applications
- Rugged cast aluminum housing

- Two hole (5 3/8" centers) mounting
- Decibel level: sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA
- See pages 75 - 76 for Specifications and Approvals



61 Series

## Model Numbers

**61-107-12**    **61-112**

**61** - Standard single tone, **107** - 107 decibels, **112** - 112 decibels

## Audio Tone    Description

Standard Beep    Standard single tone, familiar and widely recognized "reverse" tone

**Voltage:** 10-32V DC

**Amp Draw:** 0.4 amps @ 12V DC

# STAR ALARM® BACK-UP ALARMS

- Heavy duty polycarbonate alarms
- Beep rate of approximately 60 per minute
- Convenient compact size
- Round hole grommet mount
- Available in a range of decibel options perfect for a wide range of vehicle applications
- Offers an economical design with 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
- See pages 75 - 76 for Specifications and Approvals

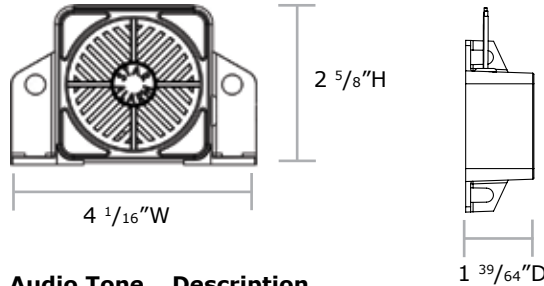


**64 Series**

## Model Numbers

**64-087**      **64-097-12**      **64-107**      **64G-107**  
**64-097**      **64-102**

**87** - 87 decibels, **97** - 97 decibels, **102** - 102 decibels,  
**107** - 107 decibels, **G** - Lugs and self-grounding strap



## Audio Tone Description

Standard Beep      Standard single tone, familiar and widely recognized "reverse" tone

**Voltage:** 10-32V DC  
**Amp Draw:** 0.3 amps @ 12V DC



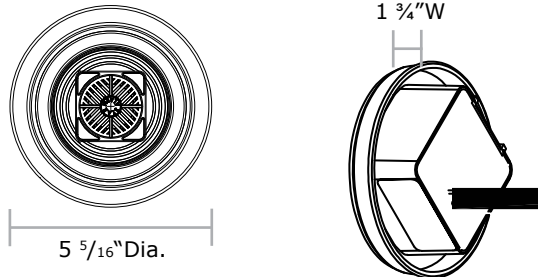
**63 Series**

## Model Numbers

**63-087**      **63-097-12**      **63-107-12**      **63-097DT**  
**63-097**      **63-102**      **63-107-24**      **63-102DT**

**87** - 87 decibels, **97** - 97 decibels, **63** - Standard single tone,  
**102** - 102 decibels, **107** - 107 decibels, **DT** - Dual tone

**Voltage:** 10-32V DC  
**Amp Draw:** 0.3 amps @ 12V DC



## 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

# STAR ALARM® BACK-UP ALARMS

- 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
- Rugged cast aluminum housing
- 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
- See pages 75 - 76 for Specifications and Approvals



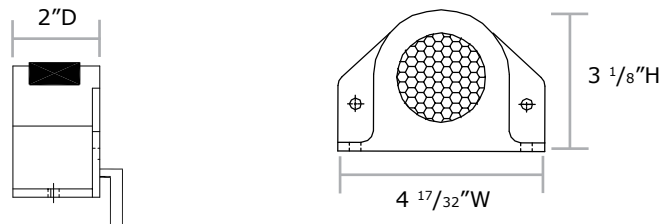
**60 Series**

## Model Numbers

**60-087**      **60-107**      **60-102DT**      **60-802A**  
**60-097**      **60-097DT**      **60-707A**      **60-807A**  
**60-102**

**087** - 87 decibels, **097** - 97 decibels, **60** - Standard single tone,  
**102** - 102 decibels, **107** - 107 decibels, **707** - 77-97 decibels,  
**802** - 82-102 decibels, **807** - 87-107 decibels,  
**A** - Auto adjust, **DT** - Dual tone

**Voltage:** 10-32V DC  
**Amp Draw:** 0.3 amps @ 12V DC



## 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

Auto Adjust "A"      Automatically selects its volume based on the environment within its listed operating range

# STAR ALARM® BACK-UP ALARMS

- Standard stud terminal connections including self-grounding strap
- Industry standard mounting foot print
- Polarity protected
- Polycarbonate housing

- 10 pack includes individual packed white boxes with instructions
- 30 pack box is bulk packed with dividers and one set of instructions
- See pages 75 - 76 for Specifications and Approvals



**BB6-097**



**BB6-097-10**



**BB6-097-30**

## Model Numbers

**BB6-097-10**      **BB6-097-30**

**97** - BB6-097 with 97 decibels, **10** - 10 pack, **30** - 30 pack

**Voltage:** 12V DC (10-16V DC)

**Amp Draw:** 0.26 amps @ 12V DC

# STAR ALARM® BACK-UP ALARMS

- Black metal dispenser sleeves
- Ships with five alarms
- Mounting hardware for slot walls included (can also be mounted to peg boards or walls, hardware not included)

- Warehouse inventory and displays are all in one location
- Labels are custom made and attached to each display kit
- Sell display packs and refill as necessary
- No need to reorder display sleeve



**DKC64**  
Counter display kit



**DK64**  
Wall mount kit

# STAR ALARM® BACK-UP ALARMS

Model #	Voltage	Decibels	Amp draw	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals
BB6-097	12V DC	97	0.26	2	1	N/A
60-087	10-32V DC	87	0.3	2	1	N/A
60-097	10-32V DC	97	0.3	2	1	N/A
60-102	12-36V DC	102	0.3	2	1	N/A
60-107-12	12V DC only	107	0.3	2	1	N/A
60-107-24	24V DC only	107	0.3	2	1	N/A
60-097DT	10-32V DC	97	0.3	2	1	N/A
60-102DT	10-32V DC	102	0.3	2	1	N/A
60-707A	10-32V DC	77-97	0.3	2	1	N/A
60-802A	10-32V DC	82-102	0.3	2	1	N/A
60-807A	10-32V DC	87-107	0.3	2	1	N/A
61-107-12	12V only	107	0.4	4	1	N/A
61-112	10-32V DC	112	0.4	4	1	N/A
63-087	10-32V DC	87	0.3	1	1	N/A

BB6-097

DK SERIES

SPECIFICATIONS

# STAR ALARM® BACK-UP ALARMS

Model #	Voltage	Decibels	Amp draw	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals
63-097	10-32V DC	97	0.3	1	1	N/A
63-097-12	12V DC only	97	0.3	1	1	N/A
63-102	10-32V DC	102	0.3	1	1	N/A
63-107	10-32V DC	107	0.3	1	1	N/A
63-097DT	10-32V DC	97	0.3	1	1	N/A
63-102DT	12V DC	102	0.3	1	1	N/A
64-097-12	12V DC only	97	0.3	2	1	N/A
64-102	10-32V DC	102	0.3	2	1	N/A
64-107	10-32V DC	107	0.3	2	1	N/A
64G-087	10-32V DC	87	0.3	2	1	N/A
64G-097	10-32V DC	97	0.3	2	1	N/A
66-087	10-32V DC	87	0.3	2	1	SAE J994
66-087NS, 66-087SS, 66-087SSNS	10-32V DC	87	0.3	2	1	N/A
66-092SS	10-32V DC	92	0.3	2	1	N/A
66-097	10-32V DC	97	0.3	2	1	SAE J994
66-097-12	12V DC ONLY	97	0.3	2	1	SAE J994
66-097DF	10-32V DC	97	0.3	2	1	N/A
66-097DT	10-32V DC	97	0.3	2	1	N/A
66-097NS, 66-097SS, 66-097SSNS	10-32V DC	97	0.3	2	1	N/A
66-102, 66-102NS	10-32V DC	102	0.3	2	1	N/A
66-102DT	10-32V DC	102	0.3	2	1	N/A
66-107	10-32V DC	107	0.3	2	1	SAE J994
66-707A	10-32V DC	77 - 97	0.3	2	1	N/A
66-802A	10-32V DC	82 - 102	0.3	2	1	N/A
66-802S	10-32V DC	87 or 102	0.3	2	1	N/A
66-807A	10-32V DC	87 - 107	0.3	2	1	N/A
66-907S	12V only	97 or 107	0.3	2	1	N/A
66L-087	10-32V DC	87	0.3	2	1	SAE J994
66L-097	10-32V DC	97	0.3	2	1	SAE J994
66L-097-12	12V DC only	97	0.3	2	1	SAE J994
66L-097-DT	10-32V DC	97	0.3	2	1	N/A
66L-097SS	10-32V DC	97	0.3	2	1	N/A
66L-102	10-32V DC	102	0.3	2	1	N/A
66L-102DT	12V DC only	102	0.3	2	1	N/A
66L-107	10-32V DC	107	0.3	2	1	SAE J994
66L-707A	10-32V DC	77 - 97	0.3	2	1	N/A
66L-802A	10-32V DC	82 - 102	0.3	2	1	N/A
66L-807A	10-32V DC	87 - 807	0.3	2	1	N/A
68 Series	10-32V DC	112	0.4	3	1	SAE J994



# SWITCH PANELS AND SWITCH BOXES

- Switch boxes to control your Star lightbar or any other device 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** (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, progressive slide switch, 2' wire harness, customer adjustable jumper (1 and 2 work independently)
- SB4040-15** (4) 20 amp switch, (1) three mode 40 amps, progressive slide switch, 15' wire harness
- SB4425T** (1) on/off master power switch (switches 2-5), (4) 40 amp switches, (5) 20 amp switches, twelve position terminal block

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



**SB4020**



**SB4020T**



**SB4040**



**SB4425T**

## Model Number

**SB4020**      **SB4020T**      **SB4040-15**  
**SB4020-15**      **SB4040**      **SB4425T**

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

- SB1515** Enclosed switch box with (4) 15 amp switches
- SP1515** Switch panel with (4) 15 amp switches
- SB3015** Enclosed switch box with (1) 30 amp switch, (3) 15 amp switches
- SP3015** Switch panel with (1) 30 amp switch, (3) 15 amp switches

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



**SP1515**



**SB3015**

## Model Number

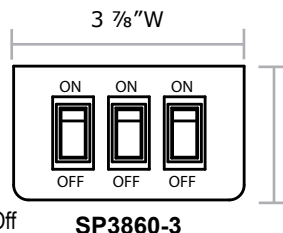
**SB1515**      **SB3015**      **SP1515**      **SP3015**

**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

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



**SP3860-3**



**SP3860-1**



**SP3860-2**  
**SP3860-2H**

Part Number	Dimensions	Weight
<b>SP3860-1 series</b>	2 1/4"H x 2"W x 1 9/16"D	1 lb.
<b>SP3860-2 series</b>	2 1/4"H x 2 15/16"W x 1 9/16"D	1 lb.
<b>SP3860-3 series</b>	2 1/4"H x 3 7/8"W x 1 9/16"D	2 lbs.
<b>SP3860-4 series</b>	2 1/4"H x 4 13/16"W x 1 9/16"D	3 lbs.
<b>SP3860-5 series</b>	2 1/4"H x 5 3/4"W x 1 9/16"D	3 lbs.

## Model Number

**SP3860-1**      **SP3860-2H**      **SP3860-3H**      **SP3860-4H**  
**SP3860-2**      **SP3860-3**      **SP3860-4**      **SP3860-5**

**1** - One switch, **2** - Two switches, **3** - Three switches, **4** - Four switches, **5** - Five switches, **H** - High/low, **SP** - Switch panel

## Features

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

SB4020, SB4040

SB/SP1515, SB/SP3015 SP3860

# STARFLASH™ FLASHER MODULES



FM3666



FM3669C



FM6904



FM6907

- FM6907** Chevy Caprice Police Package, 2011 and newer, 12V DC solid state flasher, 55 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 products), hardwired 12V DC solid state flasher, 55 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:** 55 watts per output, 3.0 flashes per second

- 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 130 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 165 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 165 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 165 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 55 watts per output, Plug-n-Play  
**Flash Rate:** 3.0 flashes per second, per lamp

## WORK LIGHTS









SEALED BEAM



510-1M



510-TK

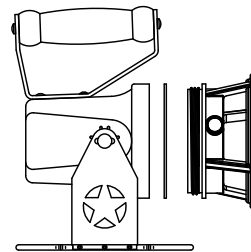
- 510** Clear, sealed beam, 2 lbs., 3000cp
- 510-1** Clear, sealed beam with on/off switch, 2 lbs., 3000cp
- 510-1M** Clear, sealed beam with magnet mount and cig. plug and on/off switch, 3 lbs., 3000cp
- 510-4509** Clear, high intensity sealed beam, 2 lbs., 3000cp
- 510-M** Clear, sealed beam with magnet mount and cig. plug, 3 lbs., 3000cp
- 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)
- 511** Sealed beam with lens shield, 2 lbs., 3000cp,  
 Lens colors:    
- 511-1M** Clear sealed beam with magnet mount and cig. plug, 3 lbs. 3000cp,  
 Lens colors:    

# ACCESSORIES

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



- 63-642** Uni-directional switch for Back-Up Alarms, activates alarm in one direction only
- 63-643** Uni-directional switch for Back-Up Alarms
- 500-J** Car Inspector Lantern with LED 2012 head, 7 1/8"H x 4 3/4"W x 6 3/4"D, 4 lbs. with battery (not including)



# MOUNT BOXES



**121BX**



**122BX**



**123BX**

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

## Features

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



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



## Features

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



# BEACON BUDDY

- Great for aluminum body trucks like the Ford F150 and Chevy Silverado
- Heavy duty aluminum post
- Eliminates need to drill any holes
- Adaptable mounting plates allow capability with numerous different style warning lights



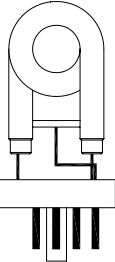
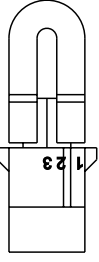



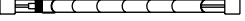
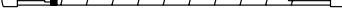
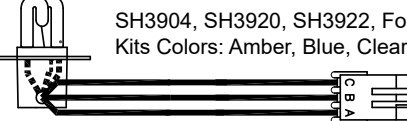
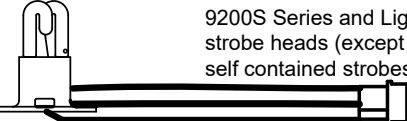
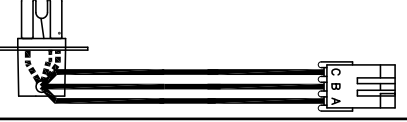




**Lights not Included**



## Model Numbers


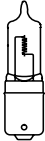




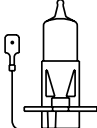
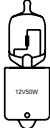

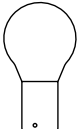
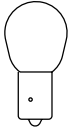
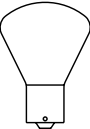
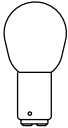

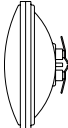
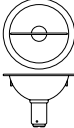
BB-DSB-CHV	BB-DTB-CHV	BB-PTB-CHV
BB-DSB-F150	BB-DTB-F150	BB-PTB-F150
BB-DS-CHV	BB-DT-CHV	BB-PT-CHV
BB-DS-F150	BB-DT-F150	BB-PT-F150
BB-DSM-CHV	BB-DTM-CHV	BB-PTM-CHV
BB-DSM-F150	BB-DTM-F150	BB-PTM-F150

**B** - Beacon plate, **D** - Driver side, **CHV** - Chevy Pick-Up truck,  
**F150** - Ford 150, **M** - Minibar plate, **P** - Passenger side,  
**S** - Short, **T** - Tall

 <p><b>129</b></p> <p>200A, 200B, 200C, 200E, 200S, 200U, 240 Series, 250A, 250AH, 250C, 250CH, 250S, 250AQ, 250CQ, 250SQ, 250AD, 250CD, 250SD</p>	 <p><b>129-Z</b></p> <p>200Z, 201Z, 211R, 211RQ, 200ZQ, 201ZQ</p>	 <p><b>129-DH</b></p> <p>200ADH, 200AQH, 200BDH, 200BQH, 150ADH, 250AQH, 250CDH, 250CQH, 250SDH, 250SQH, 3940</p>	 <p><b>129-L</b></p> <p>203MV</p>
 <p><b>129-R</b></p> <p>241 Series, 845 Series</p>	 <p><b>LST129-4</b></p> <p>SH3964</p>	 <p><b>LST129-7</b></p> <p>SH3967</p>	
 <p><b>ST3901</b></p> <p>SH3904, SH3920, SH3922, Four Corner Strobe Kits Colors: Amber, Blue, Clear, Red</p>	 <p><b>ST3901-7</b></p> <p>9200S Series and Lightbars with 360° strobe heads (except lightbars with self contained strobes)</p>		
 <p><b>ST3901-12</b></p>	 <p><b>ST413P-W</b></p> <p>Weatherproof connector colors: Amber, Blue, Clear, Red</p>		
 <p><b>ST413P</b></p> <p>Amp connector colors: Amber, Blue, Red</p>	 <p><b>ST415P-W</b></p> <p>Weatherproof connector color: Clear</p>		
 <p><b>ST415P</b></p> <p>Amp connector color: Clear</p>			



# STROBE TUBE GUIDE

 <p><b>2073-795X</b></p> <p>1166H, 20RH, 450AH, 9200H, 920-99, 920-51</p>	 <p><b>2073-795X58</b></p> <p>451AHF, 9216H, 9224H</p>	 <p><b>2073-797</b></p> <p>1169HM, 1188H, 1169H, 1169HM, 1188HM</p>	 <p><b>2073-H20-W24</b></p>
 <p><b>2073-H27</b></p> <p>1188H, 1188H, Lower level bulb for Interceptor®</p>	 <p><b>2073-H27-24V</b></p> <p>Lower level bulb, 24V for lightbars</p>	 <p><b>2073-H3-1 (12V)</b> <b>2073-H3-2 (24V)</b></p>	 <p><b>2073-H50S</b></p> <p>Sabre bulb for the 520-99 rotator</p>
 <p><b>2073-H50-W24</b></p> <p>24V Halogen bulb 1166H, 20RH, 450AH, 9200H, 920-99, 920-51</p>	 <p><b>2073-1142</b></p> <p>Traffic Director</p>	 <p><b>2073-1157</b></p> <p>920-32 (STT)</p>	 <p><b>2073-1195</b></p> <p>1166, 20RI, 450A, 450B, 9200I</p>
 <p><b>2073-94</b></p> <p>12V bulb 20RI, 20ZI, 20ZIM, 20FI, 20FI-I</p>	 <p><b>2073-FTEFG</b></p> <p>Razor alley light</p>	 <p><b>2073-4411,</b> <b>2073-4505,</b> <b>2073-4509,</b> <b>2073-7400</b></p> <p>12V - 400A, 400B, 24V - 400A, 400B</p>	 <p><b>2073-59013</b></p> <p>Starbar® lightbar replacement alley light bulb</p>

# 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

510, 511, 510-1, 510-1M, 510-4509	78	240S, 240SF, 240SM	13	274-DLXT-T, 274-DLXT-U, 274-DLXT-W	26
510-M, 510-TK, 511-1M	78	240SFL	7	274-LMB, 274-SL, 274-SL1	79
1300, 1400, 1500, 1550, 1600	54	241S, 241SF, 241SM	14	450A, 450AH	19
2340, 2440, 2540, 2640	57	242CFL, 242CL, 242CLM	14	450B, 450BH, 455BH, 455BHF, 455BHV	19
7200, 7340, 7440, 7540, 7640	55	242SFL, 242SL, 242SLM	14	500-J	79
1166HM, 1166IM	20	2460LED, 2461LED, 2462LED, 2463LED	58	5300H, 5400H, 5401H	65
1188H, 1188HM	20	2464LED, 2464LED-TOW	58	5300S, 5400S	61
121BX, 122BX, 123BX	79	250A, 250ADH, 250AH, 250AQH	11	5300SL, 5510S, 5510SL, 5610S	62
131BX, 132BX, 133BX	79	250C, 250CDH, 250CH, 250CQH	11	5364LED, 5462LED, 5464LED, 5564LED	59
141BX, 142BX, 143BX	79	250S, 250SDH, 250SH, 250SQH	11	6020H, 6020HM	66
1510LED	54	251H8TAL, 251H8TAL-BG	3	6020S	63
200A, 200ADH, 200AQH	10	251H8TCL, 251H8TCL-BG	3	60-087, 60-097, 60-097DT	74
200AH8L, 200AHL	4	251H8TSL, 251H8TSL-BG	3	60-102, 60-102DT, 60-107	74
200AHD	6	251HTAL, 251HTAL-BG	3	60-707A, 60-802A, 60-807A	74
200B, 200BDH, 200BQH	10	251HTCL, 251HTCL-BG	3	61-107-12, 61-112	73
200BH8L, 200BHL	4	251HTSL, 251HTSL-BG	3	6222H, 6304H, 6414H	66
200C, 200CF	11	255H8TAL, 255H8TALV	2	6222S, 6224SL	63
200CFH8L, 200CFHL	4	255H8TCFL, 255H8TCL, 255H8TCLM	2	63-087, 63-097, 63-107-12, 63-107-24	74
200CH8L, 200CHL	4	255H8TCLV	2	63-642, 63-643	79
200E	11	255H8TSFL	2	64-087, 64-097, 64-097-12	74
200J, 200J-1, 200JQ, 200JQ-1	16	255H8TSL, 255H8TSLM, 255H8TSLV	2	64-102, 64-107, 64G-107	74
200S, 200SM	13	255HTAL, 255HTALV	2	6420H, 6423H, 6430H, 6444H, 6448H	67
200SH8L, 200SH8LM	5	255HTC, 255HTCM, 255HTCV	12	6444S	63
200SHDL, 200SHDLM	6	255HTCFL, 255HTCL, 255HTCLM	2	6448H, 6500H, 6500HSL, 6530H, 6531H	67
200SHL, 200SHLM	5	255HTCLV	2	6464LED, 6564LED	59
200U, 200U-1	16	255HTSFL, 255HTSL, 255HTSLM	2	6550H, 6556H, 6603H, 6606H	67
200Z, 200ZM, 200ZMQ, 200ZQ	15	255HTSLV	2	256TCFL, 256TCL, 256TCLM, 256TCLV	7
200ZHL, 200ZHLM	7	255TC, 255TCM, 255TCV	12	256TSFL, 256TSL, 256TSLM, 256TSLV	7
200ZHRL, 200ZHRLM	7	255TS, 255TSM, 255TSV	12	66-087, 66-087NS, 66-087SS	72
200ZL, 200ZL-110, 200ZLM	8	2565LED-TOW	58	66-087SSNS, 66-092SS	72
201Z, 201ZM, 201ZMQ, 201ZQ	15	256TCFL, 256TCL, 256TCLM, 256TCLV	7	66-097, 66-097-12, 66-097-DF, 66-097-DT	72
201ZL, 201ZL-110, 201ZLM	8	256TSFL, 256TSL, 256TSLM, 256TSLV	7	66-097NS, 66-097SS, 66-097SSNS	72
203MV, 203MVM	16	257H8TAL, 257H8TALV	3	66-102, 66-102DT, 66-102NS, 66-107	72
203MVL, 203MVL-110, 203MVL	8	257H8TCL, 257H8TCLV	3	66-707A, 66-802A, 66-802S, 66-807A	72
204MV	16	257H8TSL, 257H8TSLV	3	66-907S	72
204MVL, 204MVL-110	9	257HTC, 257HTS	12	66L-087, 66L-097, 66L-097-12	72
20FI, 20FI-1	21	257HTCL, 257HTCLV	3	66L-097DT, 66L-097SS	72
20RH, 20RHF, 20RHM	19	257HTSL, 257HTSLV	3	66L-102, 66L-102DT, 66L-107	72
20RI, 20RIF, 20RIM	19	257TC, 257TS	12	66L-707A, 66L-802A, 66L-807A	72
20ZI, 20ZIM	21	258HTDAL, 258HTDALV	6	68-112, 68C-112, 68L-112	73
211R, 211RM, 211RMQ, 211RQ	15	258HTDCL, 258HTDCLV	6	7100LED, 7100DLED, 7100LED-TB	50
21ZI, 21ZIM	21	258HTDSL, 258HTDSL	6	7232LED, 7460LED, 7461LED, 7462LED	56
2300SL, 2400SL, 2420SL, 2500SL	61	266TCFL, 266TCL, 266TCLM, 266TCLV	2	735-FI-SB-PC	22
2360LED, 2364LED	58	266TSFL, 266TSL, 266TSLM, 266TSLV	2	735PS, 735PSM	17
240C, 240CF, 240CM	13	274-874, 274-878	20	7464LED, 7564LED-TOW	56
240CFL	7	274-DLIT-LPB4	26	7565LED-TOW	56
240H8AFL, 240H8AL, 240H8ALM	5	274-DLX4-6-1X2, 274-DLX4-6-45	26	8300H, 8400H	65
240H8CFL, 240H8CFL-G	5	274-DLX4-6-H, 274-DLX4-6-RL	26	8300S, 8400S, 8401S	62
240H8CL, 240H8CLM	5	274-DLX4-6-T, 274-DLX4-6-U	26	8300SL, 8510S, 8610S, 8610SL	63
240H8SFL, 240H8SGL, 240H8SLM	5	274-DLX4-6-W	26	8401H, 8402HSL, 8510H, 8521H, 8610H	66
240HCFL, 240HCL, 240HCLM, 240HSFL	5	274-DLXT-1X2, 274-DLXT-2X1	26	845S, 845SQ	17
240HSG, 240HSL, 240HSLM	5	274-DLXT-45, 274-DLXT-RL	26	9016LED, 9016LEDM, 9016LEDV	50

INDEX

9016SLED	50	DLXT-121, DLXT-121C, DLXT-124	27	Strobe Beacon Specification Chart	17-18
9018DLED, 9018LED, 9018TBLED	49	DLXT-124C, DLXT-2CUST, DLXT-3CUST	27	Strobe Lightbar Specification Chart	64-65
9100LED, 9100LEDM, 9100LEDV	49	DLXTHR-1, DLXTHR-2, DLXTHR-3	28	Strobe Tube and Bulb Guide	80-81
9200H, 9200HM, 9200HV	52	DLXTHR-3K, DLXTHR-4, DLXTHR-5	28	TCS-1, TCS-1REF, TCS-2, TCS-2REF	42
9200H8L, 9200H8LM, 9200H8LV	51	DLXTHR-7, DLXTHR-8	28	TCS-6	42
9200HL, 9200HLM, 9200HLV	51	DLXTHU-1, DLXTHU-2, DLXTHU-4	28	TD93-36-15, TD93-36-30	40
9200S, 9200SM, 9200SV	52	DLXTHU-7, DLXTHU-8, DLXTHU-9	28	TD93-47-15, TD93-47-30, TD93-47-45	40
9202L, 9202LM, 9202LV	51	DLXTHUS-1, DLXTHUS-4	28	TD93-47-60	40
9300H, 9400H, 9404H, 9411H, 9500H	68	Flashing Beacons Specification Charts	22	TD93DLXT, TD93DLXT24,	41
9300S, 9400S, 9404S, 9411S, 9500S	64	FLKULB9S	23	TD93DLXTARO, TD93DLXTARO2	41
9404H8L, 9404HL	60	FM3662, FM3666, FM3667, FM3669C	78	TD93DLXTARO2-S, TD93DLXTARO-S	41
9511H, 9512H, 9512HS	68	FM6901, FM6902, FM6903, FM6904	78	TDC-3	44
9512S	64	FM6905, FM6906, FM6907, FM6908	78	TDDL15-36, TDDL15-42, TDDL15-42TA	41
Back-Up Alarm Specification Chart	75-76	FM6909	78	TDDL15-47, TDDL15-47CV	41
BB274-DLX46LPM	26	Halogen Lightbar Specification Chart	69	TDLIN24-47-30	40
BB274-DLX4-6-RHK	26	LDH-361-S, LDH-361-T	29	TDLIN-36-15, TDLIN-36-30	40
BB274-DLX4-6-SLP	26	LDH-362-E, LDH-362-S, LDH-362-T	29	TDLIN-47-15, TDLIN-47-30, TDLIN-47-45	40
BB274-DLX6-BAIL	26	LDH-363-E, LDH-363M-S, LDH-363M-T	29	TDLIN-47-60	40
BB274-DLXTHU-LPB	26	LDH-363-S, LDH-363-T	29	Terms and Warranty	81
BB274-DLXT-LPB	26	LDH-364-E, LDH-364-S, LDH-364-T	29	ULB14, ULB24, ULB24-CA, ULB24-DLP	45
BB274-DLX-VC	26	LDHF301-*-10, LDHF301-*-130	35	ULB18	46
BB274-FISUV-VER	31	LDHF311-*-10, LDHF311-*-130	35	ULB28, ULB28-CH, ULB28-FIS	46
BB274-RWL	26	LDHF362-E, LDHF362-T	29	ULB28-FISUV	46
BB6-097-10, BB6-097-30	75	LDHF363-E, LDHF363-T	29	ULB34-1-FISUV, ULB34-1-TA	47
BBK6VER-1-FISUV-CUST	31	LDHF364-E, LDHF364-T	29	ULB38-TD-FISUV, ULB38-TD-TA	47
BBK6VER-1-TA-CUST	31	LDHT362-T, LDHT363-T, LDHT364-T	29	ULB44, ULB44-1, ULB44-2, ULB44-3	45
Beacon Buddy	80	LDK302, LDK304, LDK312, LDK14	36	ULB44-CA, ULB44-DLP	45
Capabilities	82	LED Beacon Specification Chart	9-10	ULB44-TD, ULB44-TD-1	43
Constellation	32-33	LED Light Specification Chart	34	ULB48-TD	43
DK64, DKC64	75	LED Lightbar Specification Charts	60-61	ULB9E, ULB9E-1	22
DL15-12, DL15-12W	30	LED Traffic Director Specification Chart	43-44	ULB9LDC, ULB9LDC-1	23
DL15-30W, DL15-30W-ARB	42	Mini-Bar Specification Chart	53	ULB9S, ULB9S-1	23
DL15-6, DL15-6GMB, DL15-6MMB	30	Phantom Lightbar Specification Chart	47	Vehicle Specific Lightbar Mount Kits	70-71
DL15-6W, DL15-6W-1K	30	Remote Kits & Heads Specification Chart	39	Vehicle Specific Phantom Brackets	48
DLHT-121, DLHT-121C, DLHT-124	27	Revolving Beacon Specification Chart	20		
DLHT-241, DLHT-244	27	LED Lightbar Specification Charts	60-61		
DLHTHR-1, DLHTHR-4, DLHTHR-8	28	LED Traffic Director Specification Chart	43-44		
DLHTHU-1, DLHTHU-4	28	Mini-Bar Specification Chart	53		
DLITE, DLITE-9, DLITS	24	RLKULB9E-1	22		
DLNT-121, DLNT-121C, DLNT-121S	27	RLKULB9S-1	23		
DLNT-121SC, DLNT-122S	27	RSK242P, RSK244P, RSK310P	37		
DLNT-122SC	27	RSK966P, RSK966P-4	38		
DLNTHR-1, DLNTHR-4, DLNTHR-5	28	RSK996P, RSK996P-4	38		
DLNTHU-1, DLNTHU-4	28	SB1515, SB3015, SB4020, SB4020-15	77		
DLS306, DLS306C	24	SB4020T, SB4040, SB4040-15, SB4425T	77		
DLTT-121, DLTT-124, DLTT-241	27	SP1515, SP3015	77		
DLTT-244	27	SP3860-1, SP3860-2, SP3860-2H	77		
DLX3, DLX3H-A	25	SP3860-3, SP3860-3H	77		
DLX4, DLX4C, DLX4-HK, DLX4-HK-1	25	SP3860-4, SP3860-4H, SP3860-5	77		
DLX4-HK2, DLX4-HK2-1	25	SR10, SR12, SR7, SR9	79		
DLX6, DLX6C, DLX6F, DLX6-HK	25	ST413PA, ST413PB, ST413PR	37		
DLX6-HK-1, DLX6-HK2, DLX6-HK2-1	25	ST415PC	37		