

STAR WARNING SYSTEMS®

Over 125 Years of Excellence!



D.O.T. • UTILITY • SECURITY • CONSTRUCTION

**Welcome to our newest Star Warning Systems® Catalog!
Take a look at the new design and layout.**

I am proud to be the fifth generation President of the company that continues to be the largest manufacturer of amber lights to the heavy duty truck market in the United States. With some of the new LED products you will see in this new catalog, we have only added to the innovative lighting design you are accustomed to seeing from Star.

In 2014 we celebrated our 125th year in business. It is a great accomplishment, and I am proud to be part of it. On the inside back cover, you will see a picture of our employees from our 125th anniversary, some of them have been with us for over twenty years. We have such a wonderful and hard working group of employees dedicated to making us #1.

Our production facility is certified ISO 9001-2008, and fully vertically integrated. We are still proud to be one of the largest all American Made amber lighting company today. Yes the U.S.!

Please don't forget to check out our website www.starheadlight.com, for the most up to date information on our products. "Like" us on Facebook, Follow us on Twitter.

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

Christopher D. Jacobs
President/CEO



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STAR HALO® LED BEACONS

- Star Halo® Technology is patented (#8, 662, 702)
- 24 customer selectable flash patterns, including steady-on
- Exceeds SAE Class I J845 standards (see pages 9 - 10 for Approvals)
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw

200AHL



200A8HL

Model Numbers

200A8HL 200AHL

A - Tall lens w/dust cover, plastic bottom base, **H** - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 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
- California Title 13 available

LED Colors

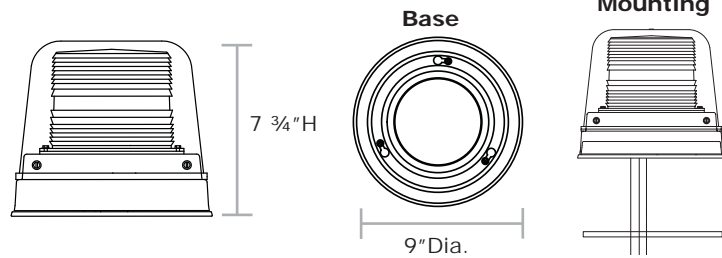


Inner Lens Colors



Replacement Parts (* = color)

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



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

200BHL



200B8HL

Model Numbers

200B8HL 200BHL

B - Tall lens w/dust cover, closed bottom base, **H** - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 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
- California Title 13 available

LED Colors

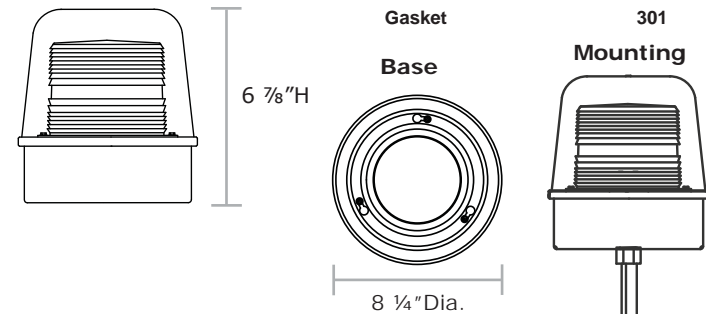


Inner Lens Colors



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



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

200CHL



200CHL

Model Numbers

200CFH8L 200CFHL 200CH8L 200CHL

F - Three-hole flange mount, **H** - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 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

LED Colors

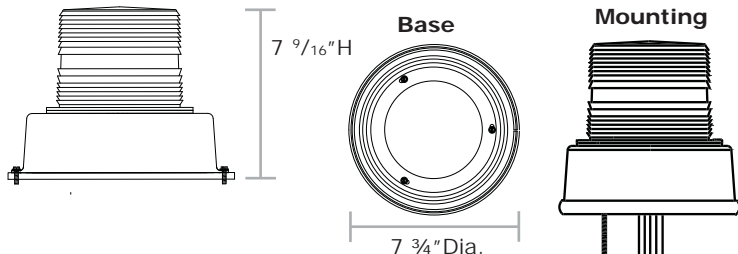


Lens Colors



Replacement Parts (* = color)

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



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

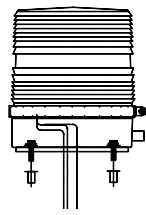
Replacement Parts (* = color)

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

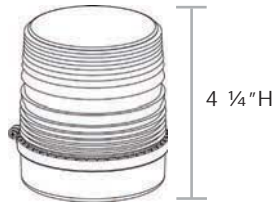
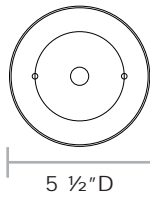
LED Colors



Mounting



Base



200SHLM

200SHL

Model Numbers

- 200SH8L 200SHL
- 200SH8LM 200SHLM

H - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 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

Mirror mount brackets (Optional)



274-MMB



274-MMBS



274-MMB1T

Replacement Parts (* = color)

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

LED Colors



Branch Guards for 240 Series (Optional)



274-40C

274-40S

Black powder coated steel

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

Dust Cover for 240 Series (Optional)



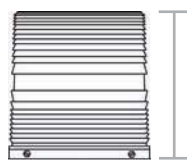
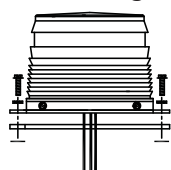
296



296S

296 - Tall dome, **296S** - Short dome

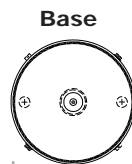
Mounting



6"H



4 1/4"H



5 1/2" Dia.



240HSL

240HSFL

240HCL

Model Numbers

- 240H8AFL 240H8CL 240H8SLM 240H8SGL
- 240H8AFL1 240H8CL1 240HCFL 240HSFL1
- 240H8AL 240H8CLM 240HCFL1 240HSL
- 240H8AL1 240H8SGL 240HCFL1-G 240HSL1
- 240H8ALM 240H8SFL 240HCL 240HSLM
- 240H8CFL 240H8SFL1 240HCL1
- 240H8CFL-G 240H8SL 240HCLM
- 240H8CFL1 240H8SL1 240HSFL

1 - 1" pipe mount, **A** - Tall lens w/dust cover, **C** - Tall lens,
F - Flange base 1/2" pipe mount, **-G** - Branch guard, **G** - G plate,
H - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 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, standard 1/2" pipe mount, 1" pipe mount, optional magnet mount with cig. plug (on/off switch and pattern select)
- California Title 13 Available

Voltage: permanent - 10-30V DC, magnet 10-16V 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)
- 24 customer selectable flash patterns, including steady-on
- Exceeds SAE Class I J845 standards (see pages 9 - 10 for Approvals), California Title 13 available

- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw

255HTL



255HTCLV



255H8TSL

Model Numbers

255H8TAL	255H8TCLV	255HTAL	255HTCLV
255H8TALV	255H8TSL	255HTALV	255HTSL
255H8TCL	255H8SLM	255HTCL	255HTSLM
255H8TCLM	255H8TSLV	255HTCLM	255HTSLV

A - Tall lens w/dust cover, **C** - Tall lens, **M** - Magnet mount, **H** - High intensity 4 LEDs, **H8** - Ultra high intensity 8 LEDs, **S** - Short lens, **V** - Vacuum magnet mount

Features

- Durable polycarbonate, twist on/off lens
- Lightweight polycarbonate, universal flange base: 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

LED Colors



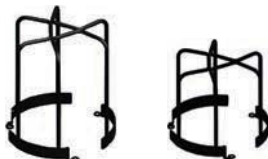
Lens Colors



Replacement Parts (* = color)

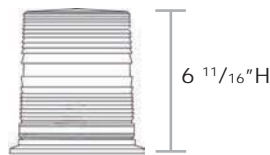
Lens (255HTCL)	295TC-*
Lens (255HTSL)	297TS-*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-14V
Cig. plug	920-PAT20LO
Tall dome w/dust cover	295TA-*

Branch Guards for 255 Series (Optional) Black powder coated steel

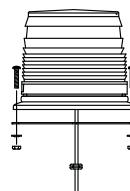


274-55TC 274-55TS

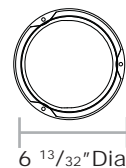
TC - Tall branch guard, **TS** - Short branch guard



Mounting



Base



257HTL



257HTCL

Model Numbers

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

A - Tall lens w/dust cover, **C** - Tall lens, **V** - Vacuum magnet, **H** - High intensity, 4 LEDs, **H8** - Ultra high intensity, 8 LEDs, **S** - Short lens

Features

- Durable polycarbonate, twist on/off lens
- Die-cast metal, universal flange base: 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

LED Colors



Lens Colors

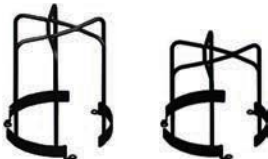


Replacement Parts (* = color)

Lens (257HTCL)	295TC-*
Lens (257HTSL)	297TS-*
Vacuum magnet mount	920-14V
O-ring gasket	30047-41
Cig. plug	920-PAT20LO
Tall dome w/dust cover	295TA-*

Branch Guards for 257 Series (Optional)

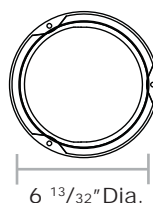
Black powder coated steel



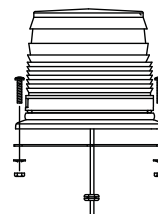
274-55TC 274-55TS

TC - Tall branch guard, **TS** - Short branch guard

Base



Mounting



Replacement Parts (* = color)

Lens (251HTCL)	295TC-*
Lens (251HTSL)	297TS-*
O-ring gasket	30047-41

LED Colors



Branch Guards for 251 Series (Optional)

Black powder coated steel



274-55TC

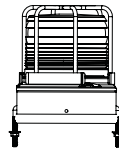


274-55TS

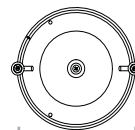
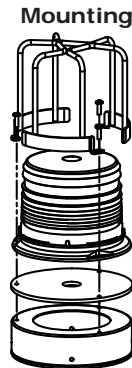
TC - Tall branch guard, TS - Short branch guard



8 21/32" H



6 7/8" H



6 1/2" Dia.

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



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 - Tall lens w/dust cover, **BG** - Branch guard, **C** - Tall lens, **S** - Short lens, **H** - High intensity 4 LEDs, **H8** - Ultra high intensity 8 LEDs

Features

- Two rotating flash patterns, high/low intensity feature
- This light is a 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

Replacement Parts (* = color)

Dome	P450-1
Magnet	30026-2
Cig. plug	920-PAT20LO

Lens Colors



Mirror mount brackets (Optional)



274-MMB



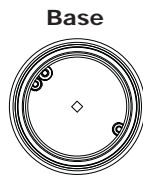
274-MMBS



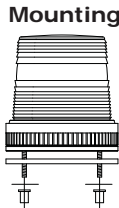
274-MMB1T



4 1/2" H



4 3/8" D



200ZHLM



200ZHL



Model Numbers

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

Features

- 4 LED Star Halo® tower
- 12 customer selectable flash patterns, including steady-on
- Four LED rotating version available (200ZHRL)
- Durable polycarbonate, twist on/off lens
- Heavy die-cast base
- Cig. plug with pattern select

Voltage: Non-rotating and magnet - 10-16V DC, Rotating - 10-30V DC, **Amp Draw:** 0.5 amps @ 12V DC

Replacement Parts (* = color)

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

Star Halo DC™

DUAL COLOR

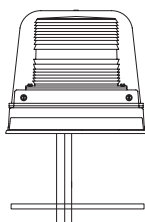
Split LED Colors



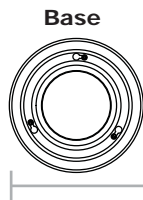
Outer Dome and Inner Lens Color



Mounting



7 3/4" H



9" Dia.

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



Model Number

200AHDL

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

Features

- Generation IV LEDs (four of each color), Dual-Color
- Durable polycarbonate inner lens and outer dome
- Clear, smooth outer dome for easy cleaning and provides inner lens protection
- 1" pipe mount with sealed plastic base



STAR HALO® LED BEACONS

- Star Halo® Technology is patented (#8, 662, 702)
- 24 customer selectable flash patterns, including steady-on
- Exceeds SAE Class I J845 standards (see pages 9 - 10 for Approvals)

- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw
- Dual Color Patent #8, 840, 268

200SHDL



200SHDL



200SHDLM



Model Numbers

200SHDL 200SHDLM

D - Dual-Color, M - Magnet mount

Features

- Generation IV LEDs (four of each color), Dual-Color
- Halo rotating, two color LEDs
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Rugged die-cast aluminum base
- Permanent mount, standard pipe 1/2" mount, optional magnet mount with cig. plug (on/off switch and pattern select)
- Durable polycarbonate base

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

Star Halo DC™ DUAL COLOR Split LED Colors



Outer Dome and Inner Lens Color

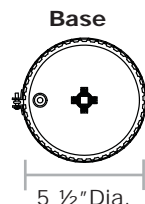


Replacement Parts (* = color)

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



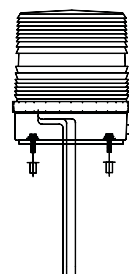
6 1/4" H



Base

5 1/2" Dia.

Mounting



Mirror mount brackets (Optional)



274-MMB



274-MMBS



274-MMB1T

258HTDL



258HTDCL



258HTDSL



Model Numbers

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

A - Tall lens w/dust cover, D - Dual-Color, V - Vacuum magnet mount, C - Tall lens, S - Short lens

Features

- Features the first "full image" Dual-Color warning lights
- S-Link System™ synchronizing capabilities with up to six other Star LED units (for hardwire models only)
- Allows you to change between colors with the flip of a switch
- Rugged die-cast base, universal flange base: 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

Star Halo DC™ DUAL COLOR Split LED Colors



Lens Color



Replacement Parts (* = color)

Lens (255HTCL)	295TC*
Lens (255HTSL)	297TS*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-14V
Cig. plug	920-PAT20LO
Tall dome w/dust cover	295TSA*

Branch Guards for 258 Series (Optional)

Black powder coated steel

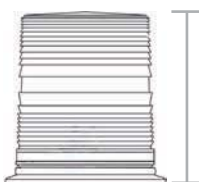


274-55TC



274-55TS

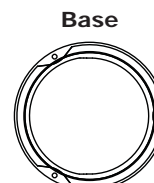
TC - Tall branch guard, TS - Short branch guard



6 11/16" H



4 3/4" H



Base

6 13/32" Dia.

LED BEACONS

- 28 customer selectable flash patterns including steady-on
- Exceeds SAE J845 standards
- Approval: Class II (see pages 9 - 10 for Approvals)

- Fully encapsulated circuitry for weather and shock resistance
- Extremely low current draw

Replacement Parts (* = color)

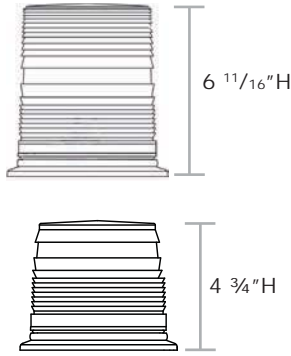
Lens (256TCL)	295TC-*
Lens (256TSL)	297TS-*
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet mount	920-14V
Cig. plug	920-PAT20LO

Branch Guards for 256 Series (Optional)

Black powder coated steel



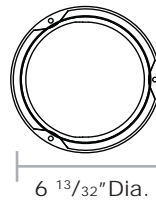
274-55TC **274-55TS**
 TC - Tall branch guard,
 TS - Short branch guard



Mounting



Base



Lens Colors



256TSL-C



256TCL-A



Model Numbers

256TCL **256TCLV** **256TSLM**
256TCLM **256TSL** **256TSLV**

CL - Tall lens, **M** - Magnet mount, **V** - Vacuum magnet mount,
S - Short lens

Features

- Star Generation IV LEDs
- Durable, lightweight polycarbonate, universal flange base: three-hole permanent mount, 1" pipe mount, optional vacuum magnet or magnet mount with cig. plug
- Shipped in quad flash mode

Voltage: permanent - 10-30V DC, magnet 10-16V DC
Amp Draw: 0.4 amps @ 12V DC, 0.8 amps max

Replacement Parts (* = color)

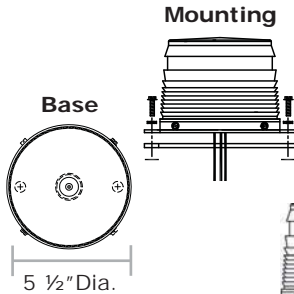
Lens (240C)	295-*
Lens (240S)	297-*

Branch Guards for 240 Series (Optional)

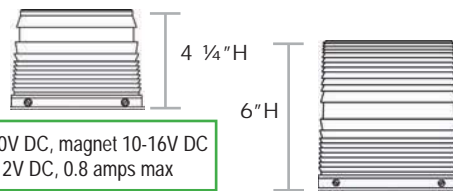
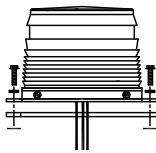
Black powder coated steel



274-40C **274-40S**
 TC - Tall branch guard,
 TS - Short branch guard



Mounting



Voltage: permanent - 10-30V DC, magnet 10-16V DC
Amp Draw: 0.4 amps @ 12V DC, 0.8 amps max

Lens Colors



240SFL-C



240CFL-A



Model Numbers

240CFL **240CFL1** **240SFL** **240SFL1**

1 = 1" pipe mount, **C** - Tall lens, **F** - Flange mount, **S** - Short lens

Features

- Star Generation IV LEDs
- Durable polycarbonate screw on lens, rugged die-cast aluminum base with powder coat finish and universal mounting: permanent mount, flange mount standard 1/2" pipe mount, 1" pipe mount
- Shipped in quad flash mode

REVOLVING LED BEACON

- Twelve Star Generation IV LEDs (see pages 9 - 10 for Approvals)
- Heavy-duty motors and shaft assemblies for dependable durability
- Sealed gear assembly eliminates the need for lubrication, reducing required maintenance

- Quick field repairs
- Polycarbonate outer domes keep our lights corrosion, weather and impact resistant
- Anodized spun aluminum housing

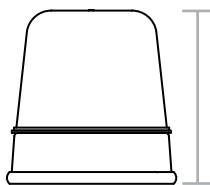
Replacement Parts (* = color)

Lens	134-1L-*
Par 36 head	SLDH-361-S-A
Lens gasket	P30047-144

Lens Colors

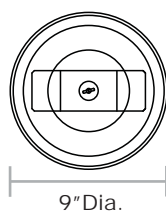


Mounting

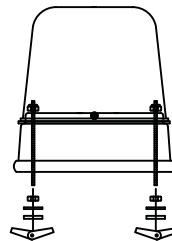


8 7/8" H

Base



9" Dia.



Model Number

400A-LED

Voltage: 12V DC
Amp Draw: 2.93 amps @ 12V DC



C2 - 256T

C2 - 240

400A-LED

COMPACT LED BEACON

- Star Generation IV LEDs
- Long life LEDs, rated for up to 100,000 hours
- Compact and powerful LED light output
- 28 customer selectable flash patterns, including steady-on

- External pattern select wire
- SAE Class III available (see Approvals on pages 9 - 10)
- Fully encapsulated circuitry for weather and shock resistance
- Optional magnet mount

200ZL



Model Numbers

200ZL 200ZL-110 200ZLM

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

Features

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

Voltage: 10-16V or 10-110V DC

Amp Draw: .35 amps @ 12V, .13 amps @ 110V

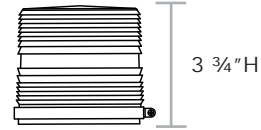
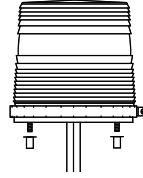
Lens Colors



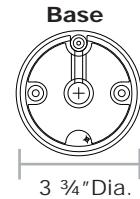
Replacement Parts (* = color)

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

Mounting



Mirror mount brackets (Optional)



201ZL



Model Numbers

201ZL 201ZL-110 201ZLM

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

Features

- Snap-on polycarbonate lens
- Durable ABS plastic base
- Standard permanent mount or 1/2" pipe mount

Voltage: 10-16V or 10-110V DC

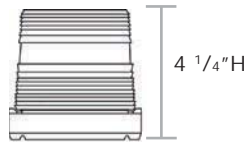
Amp Draw: .35 amps @ 12V, .13 amps @ 110V

Lens Colors

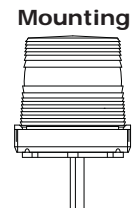
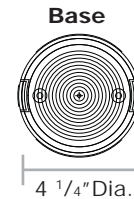


Replacement Parts (* = color)

Lens	330-*
O-ring gasket	391-1
Magnet	177
Cig. plug w/lighted on/off switch	920-PAT20LO
Eye shield	386



Mirror mount brackets (Optional)



203MVL



Model Numbers

203MVL 203MVL-110 203MVL-M

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

MVLM - Magnet mount

Features

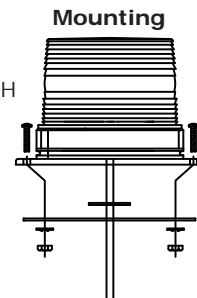
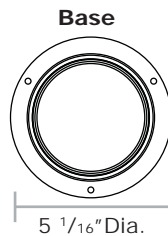
- Twist on/off lens for quick field maintenance
- Durable ABS plastic base
- Durable polycarbonate lens
- Permanent mount, flange mount, 1/2" pipe mount, magnet mount

Lens Colors



Replacement Parts (* = color)

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

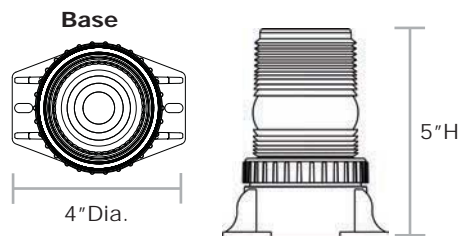


Voltage: 10-16V DC or 10-110V DC

Amp Draw: 0.35 amps @ 12V DC, 0.13 amps @ 110V DC

Replacement Parts (* = color)

Lens 234-*

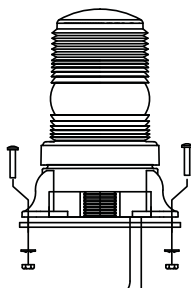


Voltage: 10-16V DC or 10-110V DC
Amp Draw: 0.35 @ 12V DC, 0.13 @ 110V

Lens Colors



Mounting



Model Numbers

204MVL 204MVL-110

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

Features

- Space saving solution
- Twist on/off lens for quick field maintenance
- Durable ABS plastic base
- Permanent mount, flange mount, 1/2" pipe mount

Model #	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
200AH8L, 200BH8L	10-30V DC	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	4	5	Class I (A, B, C, R)*, CA (A, R)*
200AHDL	10-30V DC	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	4	5	Class I (A/B)*
200AHL, 200BHL	10-30V DC	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	4	5	Class I (A, C)*, Class II (B, R)
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 II (B, R)*
200SH8L, 200SH8LM, 200SHL, 200SHLM	10-30V DC 12V 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, C), Class II (B, R)*
200ZHL, 200ZHLM	10-16V DC	0.5 amps @ 12V DC	perm. - 2 magnet - 3	5	** Class I (A, R, C, B LED w/Clear dome)*
200ZHRL, 200ZHRLM	10-30V DC 12V magnet	0.5 amps @ 12V DC	2	5	** Class I (A, R, C, B LED w/Clear dome)*
200ZL, 200ZLM	10-16V DC	0.35 amps max	perm. - 2 magnet - 2.5	5	Class III (A)*
200ZL-110	12-110V DC	0.13 amps max	2	5	Class III (A)*
201ZL, 201ZLM	10-16V DC	0.35 amps max	perm. - 1.5 magnet - 2	5	Class III (A)*
201ZL-110	12-110V DC	0.13 amps average	1.5	5	Class III (A)*
203MVL, 203MVLM	10-16V DC	0.35 amps max	perm. - 1 magnet - 2	5	Class III (A)*
203MVL-110	12-110V DC	0.13 amps average	1	5	Class III (A)*
204MVL	10-16V DC	0.35 amps max	1	5	Class III (A)*
204MVL-110	12-110V DC	0.13 amps average	1	5	Class III (A)*
240H8AFL, 240H8AFL1, 240H8AL, 240H8AL1, 240H8ALM	10-30V DC 12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. - 2 magnet - 4	5	Class I (A)*, CA*
240H8CFL, 240H8CFL1, 240H8CL, 240H8CL1, 240HCFL, 240H8CLM, 240HCFL1, 240HCL, 240HCL1, 240HCLM	10-30V DC 12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. - 3 magnet - 5	5	(H8CL) Class I (A, B, C)*, (HCL) Class I (A), Class II (B)
240H8CFL-G, 240HCFL1-G, 240H8SGL, 240HSGL	10-30V DC	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. - 3	5	(H8SL) Class I (A,R), Class II (B, C)*, (HSL) Class I (A), Class II (B, C, R)*
240H8SFL, 240H8SFL1, 240H8SL, 240H8SL1, 240HSFL, 240H8SLM, 240HSFL1, 240HSL, 240HSL1, 240HSLM	10-30V DC 12V 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, 240CFL1, 240SFL, 240SFL1	9-32V DC	0.4 amps average, 0.8 amps max	S - 2 C - 3	5	(H8SL) Class I (A,R), Class II (B, C)*, (HSL) Class I (A), Class II (B, C, R)*
251H8TAL, 251H8TCL, 251H8TSL, 251HTAL-BG, 251H8TCL-BG, 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 C - 3	5	Class I (A)*
255H8TAL, 255H8TCL, 255H8TSL, 255HTAL, 255HTCL, 255HTSL	10-30V DC	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	S - 2 C - 3	5	(H8AL, H8CL) Class I (A, R, B, C)*, CA (A, R)*, Class II (B),* (H8SL) Class I (A, R), Class II (B, C)*, (HSL) Class I (A), Class II (B, C, R)



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
255H8TCLM, 255H8TSLM, 255HTCLM, 255HTSLM	12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	S - 4 C - 5	5	(H8AL, H8CL) Class I (A, R, B, C)*, CA (A, R)*, Class II (B)*, (H8SL) Class I (A, R)*, Class II (B, C)*, (HSL) Class I (A)*, Class II (B, C, R)*
255H8TALV, 255H8TCLV, 255H8TSLV, 255HTALV, 255HTCLV, 255HTSLV	12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	S - 6 C - 7	5	(H8AL, H8CL) Class I (A, R, B, C)*, CA (A, R)*, Class II (B)*, (H8SL) Class I (A, R)*, Class II (B, C)*, (HSL) Class I (A)*, Class II (B, C, R)*
256TCL, 256TCLM, 256TCLV, 256TSL, 256TSLM, 256TSLV	10-30V DC 12V magnet	0.4 amps average, 0.8 amps max	perm. S - 2, C - 3, mag. S - 5, C - 6, vac. S - 7, C - 8	5	Class II (A or C only)*
257H8TAL, 257H8TALV, 257HTCL, 257HTAL, 257HTCL, 257H8TCLV	10-30V DC 12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. S - 2, vac. S - 6, perm. C - 3, vac. C - 7	5	(H8CL) Class I (A, B, C, R), (H8AL) Class I, CA (A, R), Class II (B)*
257H8TSL, 257H8TSLV, 257HTSL	10-30V DC 12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. S - 2, vac. S - 6, perm. C - 3, vac. C - 7	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 12V magnet	0.6 amps @ 12V DC, 0.3 amps @ 24V DC	perm. C - 3, S - 2 vac. C - 7, S - 6	5	Class I (A/B)*
400A-LED	12V DC	2.93 amps @ 12V DC	7	5	Class I*

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 Approvals



200A

Model Numbers

200A 200ADH 200AQH

A - Tall lens w/dust cover, plastic bottom base, DH - Double flash, high power, QH - Quad flash, high power

Features

- Open bottom base with plastic base insert

Voltage: 12-24V DC

Amp Draw: 2 amps max (high power - 3.2 amps)

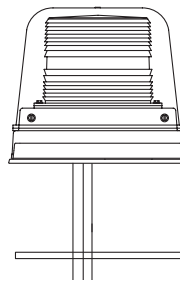
Inner Lens Colors



Outer Dome



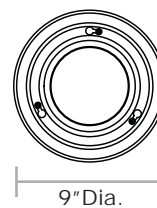
Mounting



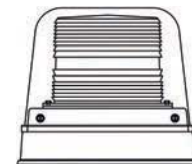
Replacement Parts (* = color)

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

Base



9" Dia.



7 3/4" H



200B

Model Numbers

200B 200BDH 200BQH

B - Tall lens w/dust cover, closed bottom base, DH - Double flash, high power, QH - Quad flash, high power

Features

- Enclosed base

Voltage: 12-24V DC

Amp Draw: 2 amps max (high power - 3.2 amps)

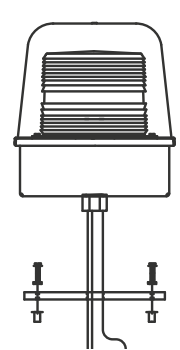
Inner Lens Colors



Outer Dome



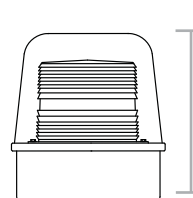
Mounting



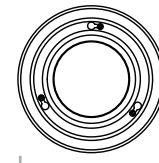
Replacement Parts (* = color)

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

Base



6 7/8" H



8 1/4" Dia.

STROBE BEACONS

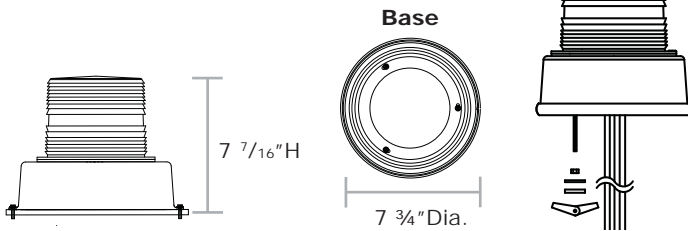
- Durable polycarbonate lens
- Built with anodized spun aluminum bases for increased durability and weather resistance

- Permanent mount
- Ideal for medium to heavy duty applications
- See Approvals on page 17 - 18

Replacement Parts (* = color)

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

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 max (high power - 3.2 amps)

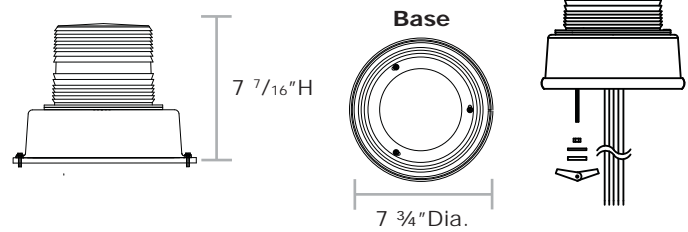


200C

Replacement Parts (* = color)

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

Lens Colors



200E

Model Numbers

200E

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 or 3/4" pipe mount

Voltage: 117V DC

Amp Draw: 2 amps max (high power - 3.2 amps)



200E

STROBE BEACONS

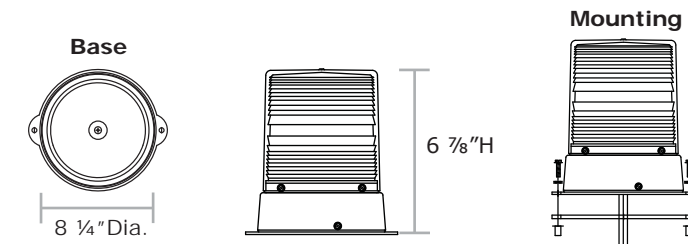
- High power and high visibility
- Fully gasketed lens and base protects against elements
- Anodized spun aluminum case and rugged die-cast base plate

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

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

Lens Colors



250C

250S

250ADH

Model Numbers

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

A - Tall lens w/dust cover, H - High power, D - Double flash, Q - Quad flash, C - Tall lens, 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

250



STROBE BEACONS

- Field selectable flash patterns via internal jumper for single, double, or quad flash (ships in quad flash)
- RFI protection
- See pages 17 - 18 for Approvals

255HTC



Model Numbers
 255HTC 255HTCM 255HTCV
C - Tall lens, **M** - Magnet mount, **V** - Vacuum magnet mount

- Features**
- High profile
 - Patented LED diagnostic indicator is standard
 - Field selectable flash patterns via internal jumper for double or quad flash
 - Photocell for automatic "night" mode switching
 - Modular circuit is completely encapsulated for increased shock and weather resistance
 - Lens easily twists on/off the durable plastic, universal mount, flange base

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

Lens Colors



Replacement Parts (* = color)

Lens	295TC-*
Strobe tube	129
Circuit	181-HT-DQ
Cig. plug w/lighted on/off switch	176-SW
Magnet mount kit	177-3
O-ring gasket	30047-41
Vacuum magnet	920-14V

Branch Guards for 255 Series (Optional)

Black powder coated steel

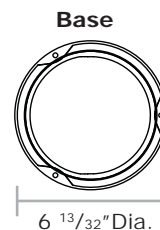


274-55TC

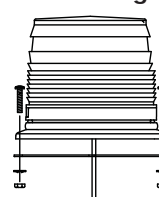


274-55TS

TC - Tall branch guard, **TS** - Short branch guard



Mounting



255T



Model Numbers
 255TC 255TS
 255TCM 255TSM
 255TCV 255TSV
C - Tall lens, **M** - Magnet mount, **V** - Vacuum magnet mount,
S - Short lens

- Features**
- Protect with a low voltage shutdown feature
 - Modular circuit is completely encapsulated for increased shock and weather resistance
 - Lens easily twists on/off the durable polycarbonate, universal mount, flange base
 - Flange base for permanent models

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, 0.175 amps @ 48V DC

Lens Colors



Replacement Parts (* = color)

Lens (255TC Series)	295TC-*
Lens (255TS Series)	297TS-*
Strobe tube	129
Circuit	181-SDQ4-12
Cig. plug w/lighted on/off switch	176-SW
Magnet mount	177-3
Vacuum magnet mount	920-14V
O-ring gasket	30047-41

Branch Guards for 255 Series (Optional)

Black powder coated steel

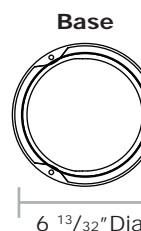


274-55TC

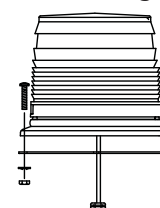


274-55TS

TC - Tall branch guard, **TS** - Short branch guard



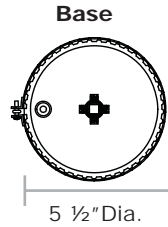
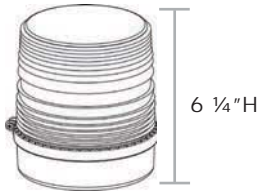
Mounting



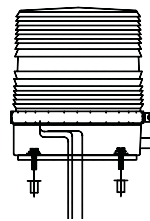
Replacement Parts (* = color)

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

Lens Colors



Mounting



200SM

200S

Model Numbers

200S 200SM

S - Short lens, M - Magnet mount

Features

- Most popular medium profile strobe light
- Selectable high/low intensity is a standard feature
- Modular circuit is completely encapsulated for increased shock and weather resistance
- Rugged die-cast base is fully gasketed
- Permanent mount, 1/2" pipe mount, magnet mount

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

Replacement Parts (* = color)

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

Lens Colors



Branch Guards for 240 Series (Optional)

Black powder coated steel



274-40C



274-40S

C - Tall branch guard, S - Short branch guard

Dust Cover for 240 Series (Optional)

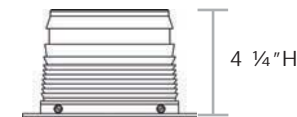
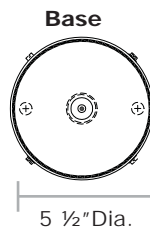
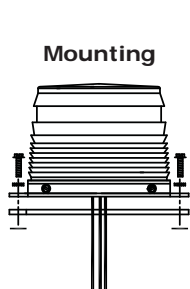


296



296S

296 - Tall dome, 296S - Short dome



240CF

240C

240SF

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, 1/2" 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
- RFI protection
- See pages 17 - 18 for Approvals

242



242CFL



242SFL

Model Numbers

242CL 242SL
 242CFL 242SFL
 242CLM 242SLM

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

Features

- 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
- Rugged die-cast base is protected with a powder coat finish
- Standard 1/2" pipe mount (available 1" pipe mount)
- Reverse polarity protected

Voltage: permanent - 12-24V DC, magnet - 12V DC
Amp Draw: 2.0 amps @ 12V, 1.0 amp @ 24V DC

Lens Colors



Replacement Parts (* = color)

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

Branch Guards for 240 Series (Optional)



274-40C



Black powder coated steel

274-40S

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

Dust Cover for 240 Series (Optional)



296



296S

296 - Tall dome, 296S - Short dome

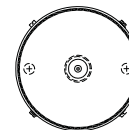


4 1/4" H



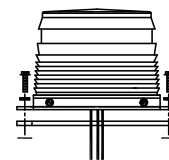
6" H

Base



5 1/2" Dia.

Mounting



241S



241SF

Model Numbers

241S 241SF 241SM

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

Features

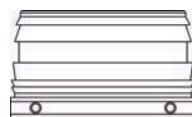
- Only 3" tall, will fit where other strobes will not
- Field selectable flash patterns via an internal jumper for single, double, or quad flash (default quad flash)
- RFI protection
- Selectable high/low intensity is a standard feature
- Permanent mount, 1/2" pipe mount, flange mount, magnet mount
- See pages 17 - 18 for Approvals

Lens Colors



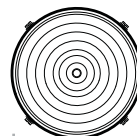
Replacement Parts (* = color)

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



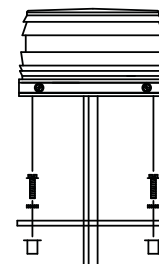
3 1/4" H

Base



5 1/2" Dia.

Mounting



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

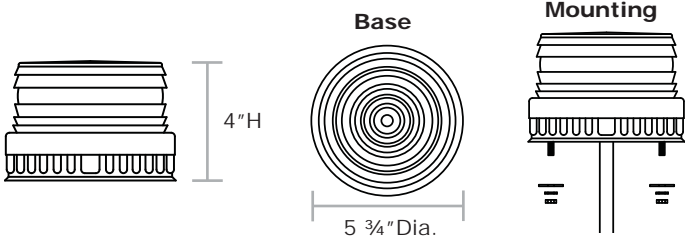
LOW PROFILE STROBE BEACONS

211R

Replacement Parts (* = color)

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

Lens Colors



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



Model Numbers

211R 211RM 211RMQ 211RQ

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

Features

- NeoForce™ magnet technology
- Single or quad flash
- 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
- See pages 17 - 18 for Approvals

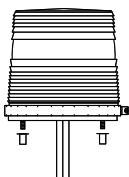
200Z

Replacement Parts (* = color)

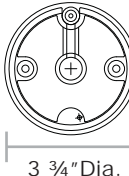
Lens	330-*
Strobe tube	129-Z
Circuit (single flash)	181-Z-12
Circuit (quad flash)	181-ZQ-12
Cig. plug w/lighted on/off switch	176-SW
Gasket	381
Clamp ring	365-Z
Magnet	177
Eye shield	386



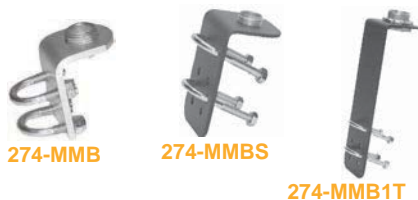
Mounting



Base



Mirror mount brackets (Optional)



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

Lens Colors



Model Numbers

200Z 200ZM 200ZMQ 200ZQ

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

Features

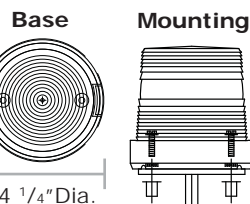
- Compact and powerful
- Single or quad flash
- Ideal for construction, forklift, or many other applications
- Polycarbonate lens is clamped to the rugged die-cast aluminum base with a fully gasketed aluminum retaining ring to enhance water resistance
- Permanent mount, 1/2" pipe mount, magnet mount
- Magnet mount includes metal disk with hook and loop fasteners for easy dash mounting
- Available in 110V
- See pages 17 - 18 for Approvals

201Z

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 w/lighted on/off switch	176-SW
Eye shield	386

Lens Colors



Mirror mount brackets (Optional)



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



Model Numbers

201Z 201ZM 201ZMQ 201ZQ

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

Features

- Small, dynamic, low profile strobe
- Single or quad flash
- Quick-snap lens, high impact resistant base assembly for field repairs
- Permanent mount, 1/2" pipe mount, magnet mount
- Magnet mount includes metal disk with hook and loop fasteners for easy dash mounting
- Available in 110V AC
- See pages 17 - 18 for Approvals



LOW PROFILE STROBE BEACONS

203MV



203MV

203MVM

Model Numbers

203MV 203MVM

M - Magnet mount

Features

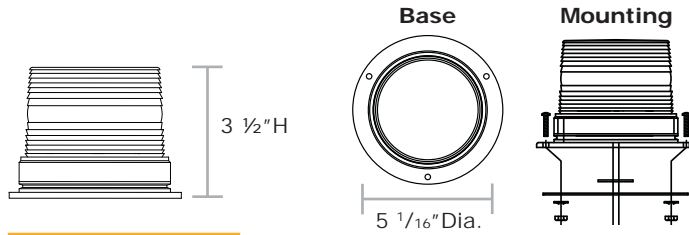
- Compact, low profile strobe ideal for many applications
- Durable polycarbonate, twist on/off lens and base with flange
- See Approvals on pages 17 - 18

Lens Colors



Replacement Parts (* = color)

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



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

204MV



Model Number

204MV

Features

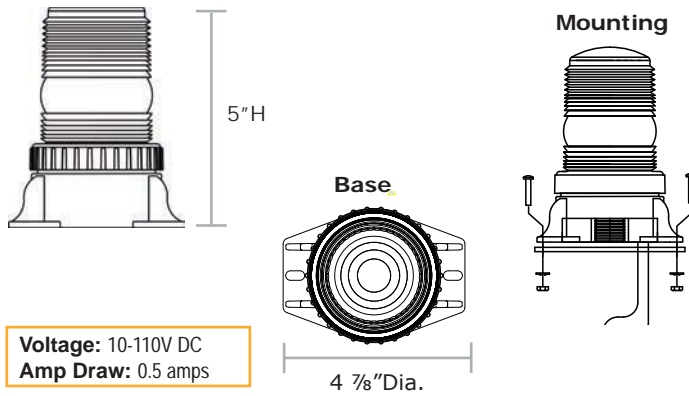
- Space saving solution, fits almost anywhere
- Durable polycarbonate, twist on/off lens and base with flange
- See Approvals on pages 17 - 18

Lens Colors



Replacement Parts (* = color)

Lens	234-*
Strobe tube	129-L



Voltage: 10-110V DC
Amp Draw: 0.5 amps

STROBE BEACONS

200J, 200U



200J

200U

Model Numbers

200J 200JQ 200U

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

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

Features

- Single or quad flash (200J)
- Designed for special application needs
- 200U is designed for indoor use with an AC current
- Permanent mount, 1/2" pipe mount, flange mount
- See Approvals on pages 17 - 18

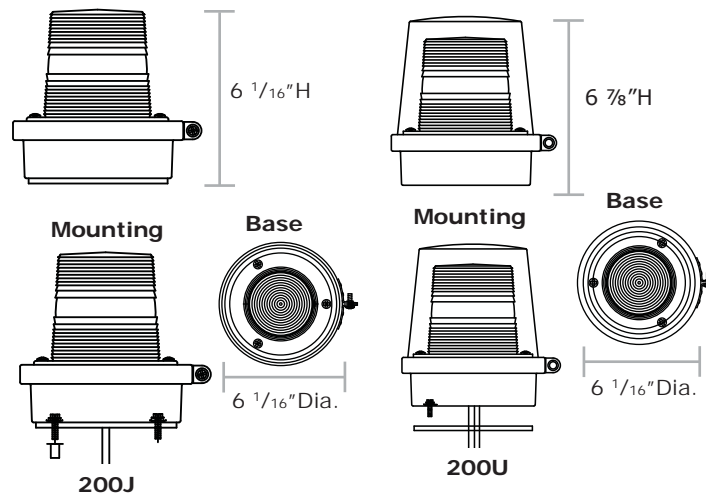
Voltage: 200U - 110V/120V AC, 200J - 12V, 24V, 36V, 48V (single flash), 200JQ - 12V
Amp Draw: 0.5 amps

Lens Colors



Replacement Parts (* = color)

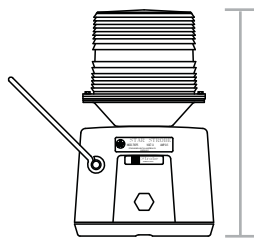
Outer dome	325-L-*
Lens	333-*
Strobe tube (200J)	129-Z
Strobe tube (200U)	129-U
Circuit (single flash 200J)	181-Z-12
Circuit (quad flash 200J)	181-ZQ-12
Circuit (single flash 200U)	181-U-110



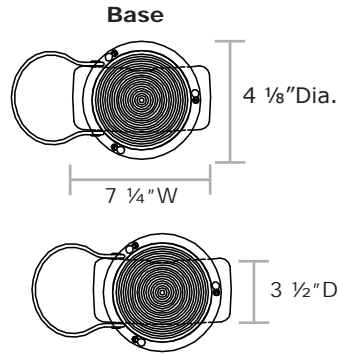
Replacement Parts (* = color)

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

Lens Colors



11 3/4" H



735PS



Model Numbers

735PS 735PSM

PS - Portable strobe, M - Magnet mount

Features

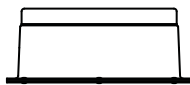
- Convenient portable strobe
- Single flash
- 360° lens allows for visibility in all directions
- Constructed with a high impact, Safety Orange, plastic base
- Economic battery operation (approx. 40 hours)
- These lights are not Coast Guard approved
- See pages 17 - 18 for Specifications

Voltage: 2 - 6V spring terminal batteries (not included)
Amp Draw: 0.5 amps

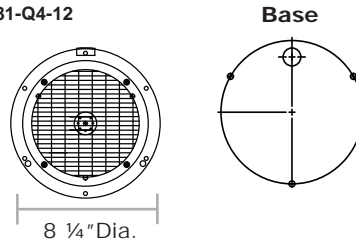
Replacement Parts (* = color)

Lens	8888-*
Strobe tube	129-R
Circuit (single flash)	181-S-12
Circuit (quad flash)	181-Q4-12

Lens Colors



3 5/16" H



8 1/4" Dia.

845S



Model Numbers

845S 845SQ

Q - Quad flash

Features

- Self-contained, unidirectional strobes
- RFI protection is available for quad flash
- Circuit is completely encapsulated for increased shock and weather resistance
- Fully gasketed, rugged anodized aluminum case
- See pages 17 - 18 for Approvals

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

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 max (high power: 3.2 amps)	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), Class II, (A, B, C, R)
200B, 200BDH, 200BOH	12-24V DC	2 amps max (high power: 3.2 amps)	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	12-24V DC	2 amps max (high power: 3.2 amps)	D/Q - 23 @ 65 dfpm or qfpm	4	1	SAE J1318, Class I - D/Q (A, B, C), Class II - D/Q (R), California Title 13
200E	117V AC	0.1 amps	8	4	1	N/A
200J, 200J-1, 200JQ, 200JQ-1	S - 12V DC (24V, 36V, 48V DC), Q - 12-24V DC	0.5 amps	3	2	1	N/A
200S, 200SM	permanent - 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 - S, SAE Class I - D/Q
200U, 200U-1	S - 117V AC	0.1 amps	14	2	1	Class II (A, B, C)
200Z, 200ZQ, 200ZM, 200ZMQ	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, 201ZQ, 201ZM, 201ZMQ	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

SPECIFICATIONS CONTINUED

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	1.75	perm. - 1 magnet - 2	1	N/A
204MV	10-110V DC	0.5 amps	1.75	1	1	N/A
211R, 211RO, 211RM, 211RMO	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	permanent - 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	3	1	Class II (A, B, C, R) S, Class I (A, B, C) D/Q, Class II (R) D/Q
240S, 240SF, 240SM	permanent - 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	2	1	Class II (A, B, C, R) S/D, Class I (B) Q, Class II (A, C, R) Q
241S, 241SF, 241SM	permanent - 12-24V DC magnet - 12V DC	2.0 amps	S - 11.35 @ 100 fpm, D - 18.7 @ 65 dfpm, Q - 17.6 @ 75 qfpm	2	1	N/A
242CL, 240CFL, 240CLM	permanent - 12-24V DC magnet - 12V DC	2 amps @ 12V, 1 amp @ 24V DC	Q - 19.5	3	1	N/A
242SL, 240SFL, 240SLM	permanent - 12-24V DC magnet - 12V DC	2 amps @ 12V, 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, D/Q - 3.2 amps	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, D/Q - 3.2 amps	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, D/Q - 3.2 amps	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	3	1	Class I, Class II (R), Q (A, B, C)
255TC, 255TCM, 255TCV, 255TS, 255TSM, 255TSV	permanent - 12-24V 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, mag. S - 6, C - 7, vac. S - 8, C - 9	1	Class II, Q
735PS	two 6V spring terminal batteries (not included)	0.5 amps	3	3	1	N/A
845S	S - 12V DC (available 24V, 36V, 48V, 72V DC), Q - 12-24V DC	2 amps	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, and maintenance free operation
- Lock-and-stay bulbs are field replaceable

- Durable polycarbonate plastic outer domes keep our lights corrosion, weather, and impact resistant
- See page 20 for Approvals

450



450A



450B

Model Numbers

450A 450B

450AH 450BH

A - Open base, **H** - Halogen, **B** - Enclosed base

Features

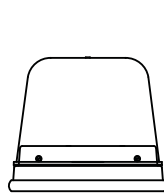
- Built with a heavy duty spun aluminum base
- Halogen or incandescent bulb available

Lens Colors

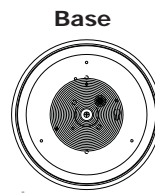


Replacement Parts (* = color)

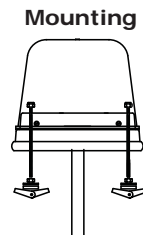
Lens	134-L-*
Bulb (12V halogen)	2073-795X
Bulb (incandescent)	2073-1195
Rotator assembly	920-0



3 5/16" H



8 7/8" Dia.



Voltage: 12V DC
Amp Draw: I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)

Replacement Parts (* = color)

Lens	134-L*
Bulb (12V halogen)	2073-795X
Bulb (incandescent)	2073-1195
Rotator filter	920-100*
Rotator assembly	920-0
Fast rotator assembly	920-0F
Magnet	177

Lens Colors

Filter Colors

455BH



Model Numbers

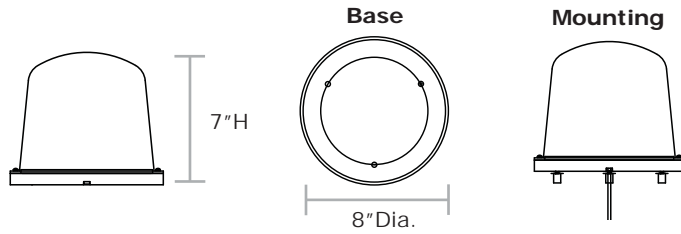
455BH 455BHF 455BHV

F - Fast rotator, H - Halogen, I - Incandescent, V - Vacuum magnet mount

Features

- Built with a durable polycarbonate base
- Halogen or incandescent bulb available
- See page 20 for Specifications

Voltage: 12V DC
Amp Draw: I - 2.7 amps (35 watts), H - 4.0 amps (50 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
Clamp ring	4123
Base	4100
Rotator	920-0
Fast rotator	920-0F

Lens Colors

20RH



Model Numbers

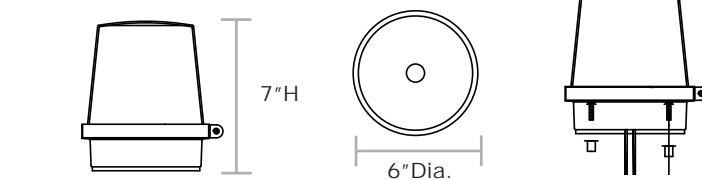
20RH 20RHF 20RHM 20RI 20RIF 20RIM

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

Features

- Rugged die-cast aluminum base
- Enclosed bottom
- See page 20 for Approvals

Voltage: 12V, 24V, 36V, 120V
Amp Draw: I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)



Replacement Parts

Lens	134-L
Bulb (12V)	2073-7400
Bulb (24V)	2073-4505
Motor	P4000
Clamp ring (400B)	4022

Lens Colors



400A



400B

Model Numbers

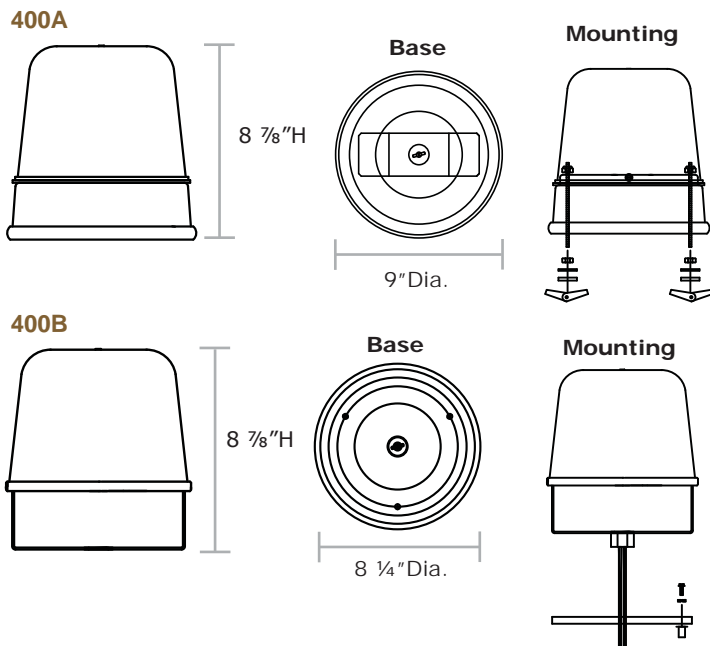
400A 400B

A - Open base, B - Closed base

Features

- Two, 35 watt/33,000cp, sealed beams to generate eye-catching light that commands attention in any application
- Heavy duty motors and shaft assemblies for dependable durability
- Sealed gear assembly eliminates the need for lubrication, thus reducing required maintenance
- Design accommodates quick in-field repairs when those rare occasions arise
- Heavy duty, polycarbonate outer dome keeps out light corrosion from weather, and is impact resistant
- Rugged construction with an anodized spun aluminum housing provides a long trouble-free life
- See page 20 for Approvals

Voltage: 12V DC or 24V DC
Amp Draw: 6.5 amps @ 12V DC



REVOLVING BEACONS

Model #	Voltage	Amp Draw (I - Incandescent, H - Halogen)	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals (A - Amber, B - Blue, R - Red, C - Clear)
20RH, 20RHF, 20RHM	12V DC	I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)	2	1	SAE J845 Class I (A, B, C, R)
20RI, 20RIF, 20RIM	12V DC	I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)	2	1	N/A
400A	12V DC or 24V DC	6.5 amps @ 12V DC	6	1	Class I (A)
400B	12V DC or 24V DC	6.5 amps @ 12V DC	7	1	N/A
450A, 450AH	12V DC	I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)	3	1	SAE J845 Class I - 450AH
450B, 450BH	12V DC	I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)	3	1	N/A
455BH, 455BHF, 455BHV	12V DC	I - 2.7 amps (35 watts), H - 4.0 amps (50 watts)	3	1	N/A

HALOGEN DASH LIGHTS



1188HM

Model Numbers

1188H 1188HM

M - Magnet mount

Features

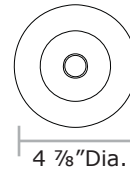
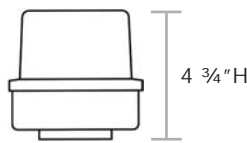
- Most compact portable emergency dash light
- A 27 watt halogen bulb combined with a highly polished reflector gives this light a high intensity flash
- See Specifications on page 21

Lens Colors

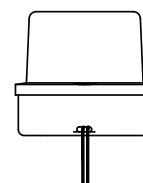


Replacement Parts (* = color)

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



Mounting



Voltage: 12V DC
Amp Draw: Incandescent - 2.7 amps, Halogen - 4.0 amps



1166HM

Model Numbers

1166HM 1166IM

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

Features

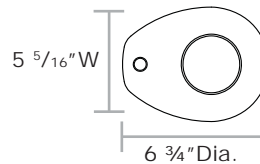
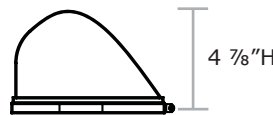
- Aerodynamic light is ideal for unmarked cars or volunteers
- 27 watt halogen bulb or incandescent bulb available
- See Specifications on page 21

Lens Colors

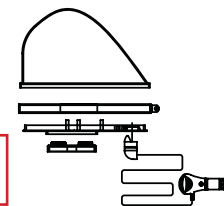


Replacement Parts (* = color)

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



Mounting



Voltage: 12V DC
Amp Draw: Incandescent - 2.7 amps, Halogen - 4.0 amps



1169HM

Model Numbers

1169H 1169HM

M - Magnet mount

Features

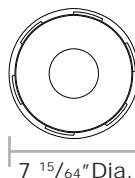
- Low profile design, allowing it to fit under sloping windshields with minimum obstruction and visibility
- Wide angle reflector for longer flash duration and brighter pulse
- 60 lb. magnet pull
- See Specifications on page 21

Lens Colors

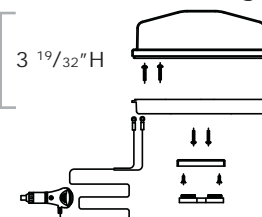


Replacement Parts (* = color)

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



Mounting



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



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



274-875 Universal Dash Bracket
 Dimensions: 4 1/2"H x 11 3/4"W x 5 3/4"D
 Weight: 4 lbs.



274-878 Hotshot II Dash Bracket
 Dimensions: 4 3/4"H x 10 3/8"W x 5"D
 Weight: 4 lbs.

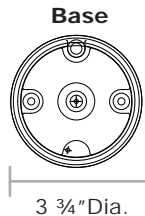
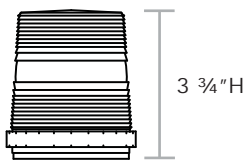
Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81
1166IM	12V DC	2.7 amps	2.5	1
1166HM	12V DC	4.0 amps	2.5	1
1169H	12V DC	4.0 amps	2	1
1169HM	12V DC	4.0 amps	2	1
1188H	12V DC	2.1 amps	2	1
1188HM	12V DC	2.1 amps	2	1
274-874	N/A	N/A	4	N/A
274-875	N/A	N/A	4	N/A
274-878	N/A	N/A	4	N/A

FLASHING BEACONS VERY LOW PROFILE

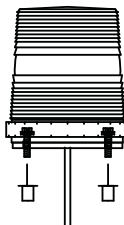
Replacement Parts (* = color)

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

Lens Colors



Mounting



Voltage: 12V DC or 110V AC
Amp Draw: 1 amp @ 12V, 0.2 amps @ 110V AC



Model Numbers

20ZI 20ZIM
 I - Incandescent, M - Magnet mount

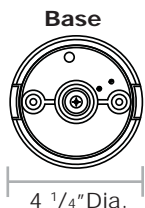
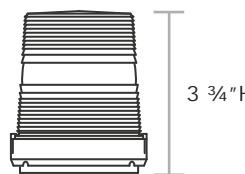
Features

- 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
- Available in steady burn
- See page 22 for Specifications

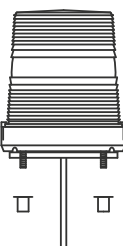
Replacement Parts (* = color)

- Lens (21ZI) 330-*1
- Bulb (12V DC) 2073-94
- Bulb (110-120V AC) 2073-15T7DC
- Circuit 181-FI-12
- Cig. plug w/lighted on/off switch 176-SW
- Magnet 177

Lens Colors



Mounting



Voltage: 12V DC or 110V AC
Amp Draw: 1 amp @ 12V, 0.2 amps @ 110-120V AC

21ZIM

20ZI



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
- Available in steady burn
- See page 22 for Specifications

FLASHING BEACONS MEDIUM PROFILE

- Flashing incandescent light
- Polycarbonate lens is clamped to the rugged die-cast aluminum base
- Fully gasketed aluminum retaining ring to enhance water resistance
- See bottom of the page for Specifications
- Also available in steady burn

20FI



20FI-1

Model Numbers

20FI 20FI-1
1 - Clear outer dome

Voltage: 12V DC (available 24V, 36V, 48V, DC or 110-120V AC)
Amp Draw: 1 amp @ 12V, 24V, 36V, 48V DC,
0.2 amps @ 100-120V AC

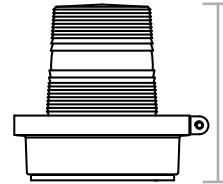
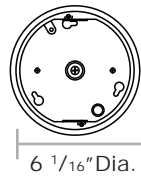
Lens Colors



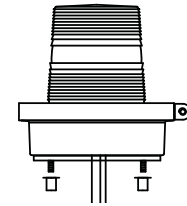
Replacement Parts (* = color)

Outer dome	325-L-*
Lens	333-*
Bulb (12V DC)	2073-94
Bulb (24V DC)	2073-1638
Bulb (36V DC)	2073-1062
Bulb (110-120V AC)	2073-40T8DC
Circuit	181-FI-12
Clamp ring	4123
Base	4100

Base



Mounting



FLASHING BEACONS PORTABLE

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

735-FI-SB-PC



Model Number
735-FI-SB-PC

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

Lens Colors

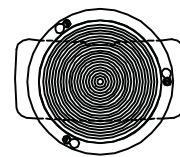


Replacement Parts (* = color)

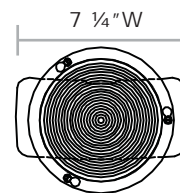
Lens	300-*
Flashing assembly	7130-2FSBFC
Switch	8222
Handle	202-104-1
Battery	8100

Note: This is not Coast Guard approved

Base

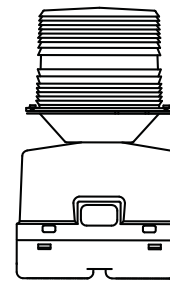


4 1/8" Dia.



7 1/4" W

3 1/2" D



11 3/4" H

SPECIFICATIONS

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

- Only ½" thick
- High intensity LED lights are built with fully encapsulated circuitry
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Can be mounted just about anywhere, interior or exterior

- Can be mounted with Black, Chrome, or White bezels
- Optional brackets are available for the single rectangular series only
- Reverse polarity protected and current limiting protection over the entire operating voltage
- See page 36 for Approvals



Only ½" thick!

DLXT, DLHT LED Colors



DLTT, DLNT LED Colors



DLNT-S Single Bezel LED Colors

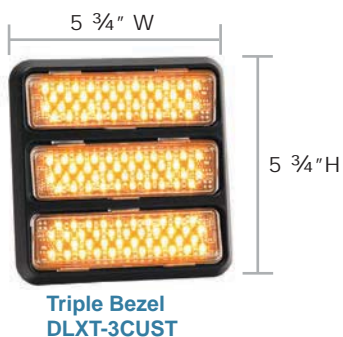
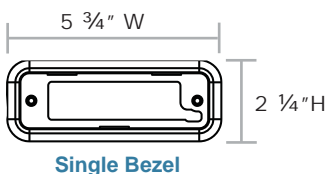


DLNT-S Double Bezel LED Colors



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

- DLXT** Standard warning LED light, 21 customer selectable flash patterns, including steady-on
- DLHT** Hazard Turn Light, flasher in warning pattern overridden by turn signal output, flashes with turn signal input, 20 customer selectable flash patterns
- DLTT** Auxiliary stop/tail/turn LED light, dim daytime running tail lights (turn bright with brake signal and flash with turn signal)
- DLNT** 16 LED steady burn value head, down lighting
- DLNT-S** 16 LED steady burn value head, down lighting with on/off switch, for interior mounting only



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

Model Numbers

DLXT-121

DLXT-121C

- Rectangle bezel
- White bezel available (P30019-132W)
- Surface mount or mount with optional brackets



DLXT-124

Model Number

DLXT-124

- Oval Black or Chrome bezel
- White bezel available (P30019-133W)
- Surface mount or use with standard 6" rubber grommets (not for use with optional brackets)



DLNT-121S

Model Number

DLNT-121S

- Single switch, Black or Chrome bezel
- Interior surface mount



DLNT-122SCRW

Model Number

DLNT-122S

- Dual Black or Chrome switch bezel
- Interior surface mount

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



Voltage: 10-16V DC or 24V DC (available)
Amp Draw: 0.3 amps @ 12V DC, 0.2 amps @ 24V DC



LED - BRACKETS

DLXT OPTIONAL BRACKETS



274-DLXT-W
Window mounting



274-DLXT-45
45° angle mounting



274-DLXT-U
L-bracket for universal mounting



274-DLXT-T
Trunk mounting



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



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



274-DLXT-RL
License plate mounting



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

VERSA STAR® OPTIONAL BRACKETS



274-DLX4-6-T
Trunk mounting



274-DLX4-6-45
45° angle mounting



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



274-DLX4-6-W
Window mounting



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



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



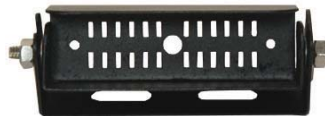
274-DLX4-6-H
Headliner bracket for DLX4-HK, DLX4-HK2, DLX6-HK, and DLX6-HK2 series with a flashback hood



BB274-DLX-VC
Visor clip 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-DLX4-6-RL
License plate mounting



BB274-DLX46LPM
Adjustable license plate mounting

- High intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Versatile LED warning lights that are built with fully encapsulated circuitry
- Can be mounted just about anywhere, interior or exterior

- Size is the same between options, allowing for easy relocation or reconfiguration
- Include the same snap on Black (standard), Chrome, or White bezel
- Optional mounting brackets are also available
- Reverse polarity protected and current limiting protection over the entire operating voltage

Replacement Parts

Black bezel	30019-150B
Chrome bezel	30019-150P
White bezel	30019-150W
Hardware kit for DLX3 and DLX4	S30017-38
Hardware kit for DLX6	S30017-39
Optic fluted bezel 66%	136-4
Optic fluted bezel 100%	136-6

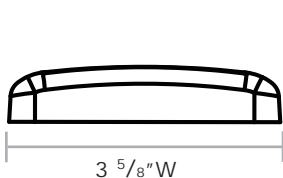
DLX3 LED Colors



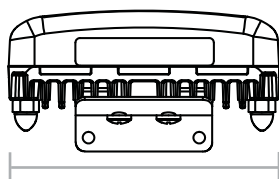
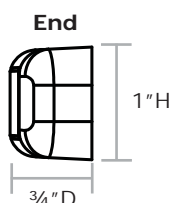
DLX4 and DLX6 LED Single Colors



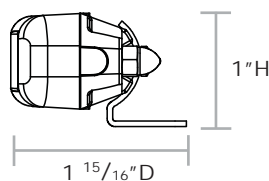
DLX4 and DLX6 LED Split Colors



Dimensions are the same for DLX3 and DLX4



DLX6



Dimensions for the DLX6 with heat sink



Approvals: DLX3

Class II	Class I
Amber, White	Blue, Red

Approvals: DLX3H-A

SAE J595 Class I	California Title 13
Amber	Amber

Approvals: DLX4

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

Approvals: DLX6

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



DLX3

Model Numbers

DLX3

DLX3H-A

H - High power LED Amber only

Features

- Designed for flush mount or bracket mount



DLX4

Model Numbers

DLX4

DLX4C

C - Chrome bezel

Features

- Designed for flush mount or bracket mount



DLX6

Model Numbers

DLX6

DLX6C

C - Chrome bezel

Features

- Designed for bracket mounting only
- Incorporates a heavy duty heat sink

Voltage: DLX3 10-16V DC, DLX4 & DLX6 10-30V DC
Amp Draw: DLX3 .29 amps, 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 the LED heads used and the flash pattern selected)



LED LIGHTS

- High intensity Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Versatile LED warning lights that are built with fully encapsulated circuitry
- Come with a flashback hood that includes a cig. plug or 12' wire harness
- Reverse polarity protected and current limiting protection over the entire operating voltage

VERSA STAR® HOOD KIT LED LIGHTS



DLX4-HK

Model Numbers

DLX4-HK

DLX4-HK-1

1 - Hardwire, **HK** - Hood kit



DLX4-HK2

Model Numbers

DLX4-HK2

DLX4-HK2-1

1 - Hardwire, **2** - Dual, **HK** - Hood kit



DLX6-HK

Model Numbers

DLX6-HK

DLX6-HK-1

1 - Hardwire, **HK** - Hood kit



DLX6-HK2

Model Numbers

DLX6-HK2

DLX6-HK2-1

1 - Hardwire, **2** - Dual, **HK** - Hood kit

Voltage: DLX4-HK*-1, DLX6-HK*-1 10-30V DC, DLX4-HK*, DLX6-HK* 10-16V DC

Amp Draw (per head): DLX4 0.7 amps @ 12V DC, 0.3 @ 24V DC, DLX6 0.9 amps @ 12V DC, 0.5 amps @ 24V DC (amp draw will vary depending on the color the LED heads used and the flash pattern selected)

DLX4 and DLX6 LED Single Colors

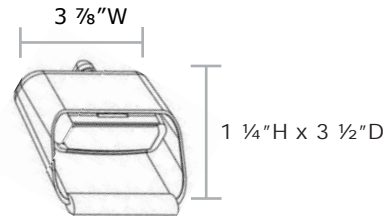


DLX4 and DLX6 LED Split Colors

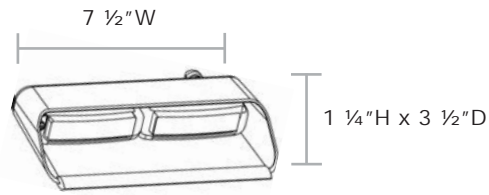


Replacement Parts

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



HK hood



HK2 hood

Approvals: DLX4

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

Approvals: DLX6

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

- Only .84" thick
- High intensity Star Generation IV LED lights are built with fully encapsulated circuitry
- 25 customer selectable flash patterns, including steady-on
- S-Link System™ synchronizing capabilities with up to six other Star LED units

- Can be mounted just about anywhere, interior or exterior
- Can be mounted in a bezel, Chrome ring, grommet, or window mount
- Patent #D712, 086

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

DLXTH* Series Colors



C - Clear lens

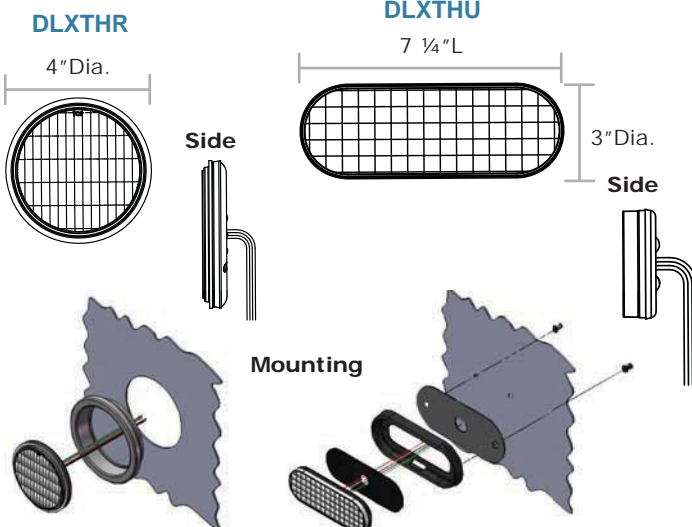
Replacement Parts for DLXTHR

Black bezel	P30019-255
Chrome bezel	P30019-255P
White bezel	P30019-255W
Weatherproof connector	P30041-209
Grommet	P30199-7
Chrome ring	30019-99
Window bezel	P30019-260



Replacement Parts for DLXTHU

Black bezel	P30019-257
Chrome bezel	P30019-257P
White bezel	P30019-257W
Weatherproof connector	P30041-209
Grommet	P30199-5
Window bezel	S30019-259



Model Number Configurator

DL	TH	Color
Pattern	Series	Mount Type
X Flashing	R 4" round	1 Flush mount bezel
N Steady burn	U Oval	2 No mount (light head only)
H Hazard Turn		3 (K) Tractor housing (kit)
		4 Rubber grommet
		5 Recessed Chrome ring
		7 Window bezel
		8 Rubber grommet w/weatherproof connector
		9 Ambulance retrofit Kit (oval only)
		Plating
		- Black
		C Chrome

Model Numbers

DLHTHR-1	DLNTHR-5	DLXTHR-3K	DLXTHR-8
DLHTHR-4	DLXTHR-1	DLXTHR-4	
DLNTHR-1	DLXTHR-2	DLXTHR-5	
DLNTHR-4	DLXTHR-3	DLXTHR-7	

1 - Bezel, 2 - Connector, 3 - Tractor housing, 4 - Grommet, 5 - Chrome ring, 7 - Window bezel, 8 - Grommet and connector, HT - Hazard-Turn auxiliary LED lights, K - Kit, N - Steady burn, X - Flashing

Features

- 4" round

Optional Mounting Bracket

BKT3904



DLXTHU-1



Model Numbers

DLHTHU-1	DLXTHU-1	DLXTHU-7
DLHTHU-4	DLXTHU-2	DLXTHU-8
DLNTHU-1	DLXTHU-4	DLXTHU-9

1 - Bezel, 2 - Connector, 4 - Grommet, 7 - Window bezel, 8 - Grommet and connector, 9 - Ambulance insert, HT - Hazard-Turn Auxiliary LED lights, N - Steady burn, X - Flashing

Features

- 6" oval

Optional Mounting Bracket

BKT3920

Approvals: Flashing

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

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

DLXTH, DLHTH



LED LIGHTS

PAR 36 LIGHTS

- High intensity Star Generation IV LEDs are self contained
- Steady burn or flashing LED heads with built in flashers
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- 32 customer selectable flash patterns, including steady-on
- The high efficiency optics are available in three options: Spot, Trapezoidal, and Wide Spread
- Quick installation in any situation
- Patent #D696,035



LDH-361



LDH-362



LDH-363



LDH-364

Steady Burn Lights Only

- LDH-36 Series - ISO 7637-2 spike protection

Flashing and Hazard Turn Lights Only

- LDHF - flashing and LDHT36 series added turn signal input in order to override warning pattern (LDH36 only)

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, **362** - Swivel mount, **363** - Rubber tractor mount, **364** - Rubber grommet mount, **E** - Wide Spread, **F** - Flash, **H** - Steady burn, **HT** - Hazard-Turn, **M** - Magnet mount, **S** - Spot optics, **T** - Trapezoidal optics

Approvals (Flashing)

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

Voltage: 10-30V DC, Magnet mount 10-16V DC
Amp Draw: 1.1 amps max

Steady Burn Colors



Flashing Colors



C **C** **C** - Clear lens

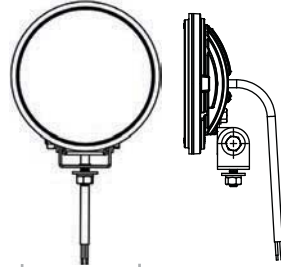
Lens Colors



Replacement Parts

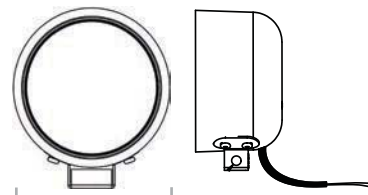
Mounting hardware	S30017-33
Tractor housing	P30146-16
Swivel mounting bracket	274-LDH-362
Rubber grommet	P30199-7

LDH-362 Side



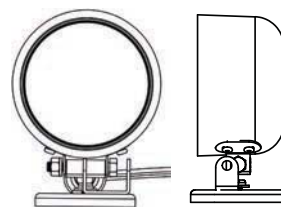
4" Dia.

LDH-363 Side



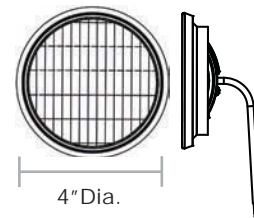
4" Dia.

LDH-363M Side



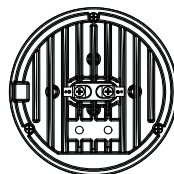
4" Dia.

LDH-364 Side



4" Dia.

Back



LDH-361



Model Number Configurator

LDH_36_ _ _ _

Pattern

- Steady
- F Flashing
- T Hazard Turn

Color

- A Amber
- B Blue
- C Clear (Cool White)
- G Green
- R Red
- BC Blue LED Clear lens
- RC Red LED Clear lens

Mount Type

- 1 Sealed Beam
- 2 Swivel bracket
- 3 Rubber tractor housing
- 3M Magnet tractor housing
- 4 Rubber grommet

Spread

- S Spot
- T Trapezoid
- E Wide Spread

- High intensity Star Generation III 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

Replacement Parts

Universal mount kit

Deck mount kit

Suction cup kit (four)

Suction cup (one)

Grille mount bracket kit

Mirror mount bracket kit

DL15-BKT

DL15-SMTK

DL15-CUPK

DL15-CUP

274-DL15GMB

274-DL15MMB

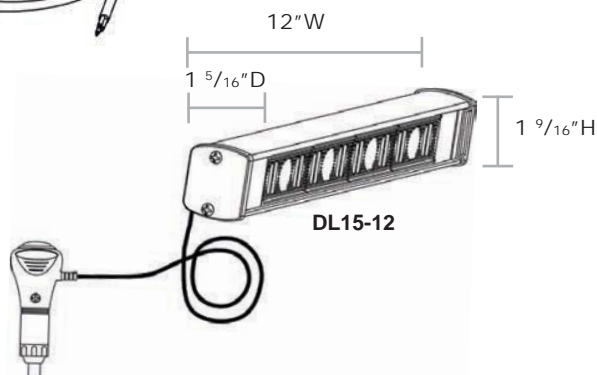
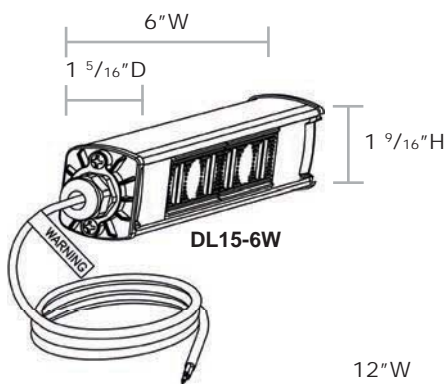
LED Colors



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



DL15 - 6



DL15 - 6GMB



DL15 - 6MMB



DL15 - 6W-1K



DL15 - 12

Model Numbers

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

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

Approvals

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

Does not apply to all flash patterns

Voltage: 10-16V DC

Amp Draw: DL15-6 - 0.8 amps, DL15-12 - 1.6 amps



MINI PHANTOM LED LIGHTS

- Extremely thin profile
- Interior mount, LED light is perfect for undercover or unmarked vehicle applications

- Easily mounts to your dash, deck, mirror, or windows (with suction cups)
- See page 36 for Approvals

ULB9



ULB9

Model Numbers

ULB9 FLKULB9
ULB9-1 RLKULB9-1

1 - Hardwire, **RLK** - 2 head rear kit, **FLK** - 2 head front kit

Features

- Sixty-six long life, alternating flashing LEDs
- 35 customer selectable flash patterns for ULB9
- 24 customer selectable flash patterns for ULB9-1
- Hardwire version is available for S-Link System™ synchronizing capabilities with up to six other Star LED units
- Rear and front, two head kits are also available (RLKULB9-1, FLKULB9) - offers 24 customer selectable flash patterns



ULB9-HOOD
Sold Separately

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

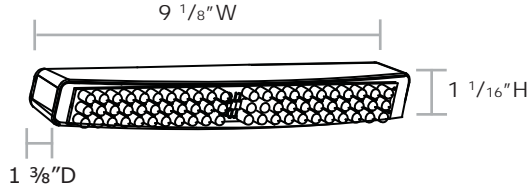
LED Colors



Split color combinations available, please call to confirm availability.

Replacement Parts

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



Mounting kit - included 274-ULB9BKT



Deck mount



Mirror mount



Suction cup mount

ULB9S



ULB9S

Model Numbers

ULB9S ULB9S-1 FLKULB9S-1 RLKULB9S-1

1 - Hardwire, **RLK** - 2 head rear kit, **FLK** - 2 head front kit

Features

- Six Star Generation IV Starburst™ LEDs
- 35 customer selectable flash patterns for ULB9S
- 24 customer selectable flash patterns for ULB9S-1
- Flat front design hugs window for minimal flashback
- Ratchet clip mounts allow for maximum angle adjustability
- Hardwire version is available for S-Link System™ synchronizing capabilities with up to six other Star LED units
- Rear and front, two head kits are also available (RLKULB9S-1, FLKULB9S) - offers 24 customer selectable flash patterns



ULB9-HOOD
Included

Approvals

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

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

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

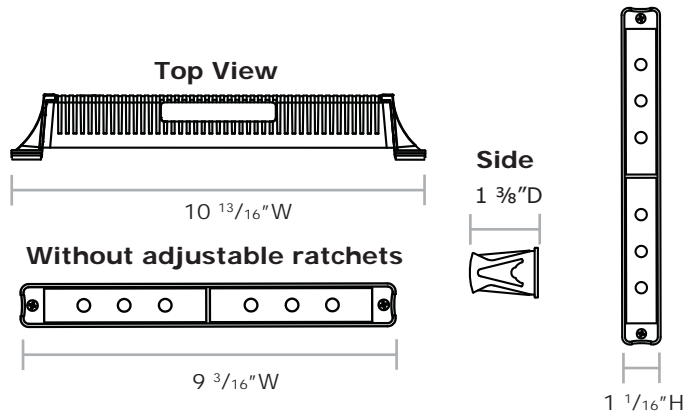
LED Colors



Split color combinations available, please call to confirm availability.

Replacement Parts

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



Mounting kit - sold separately 274-ULB9BKT



Deck mount



Mirror mount



Suction cup mount

MINI PHANTOM LED LIGHTS

- Flat front design hugs window for minimal flashback; great for side and rear vertical windows
- 25 customer selectable flash patterns, including steady-on
- Ratchet clip mounts allow for angle adjustability
- Perfect for undercover or unmarked vehicles

- Extremely lightweight!
- For interior applications only
- Extremely thin profile

LED Colors

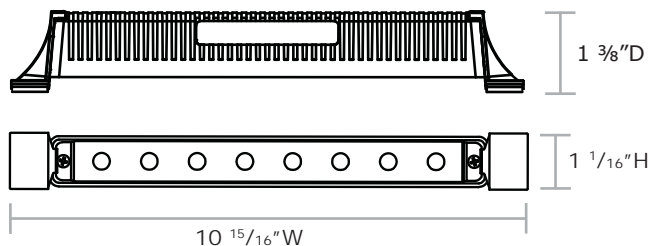


Split color combinations available, please call to confirm availability.

Replacement Parts

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

Top View



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



Deck mount



Mirror mount



Suction cup mount



ULB9E

Model Numbers

ULB9E ULB9E-1

1 - Hardwire

Features

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

ULB9-HOOD
Included



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

LED Colors

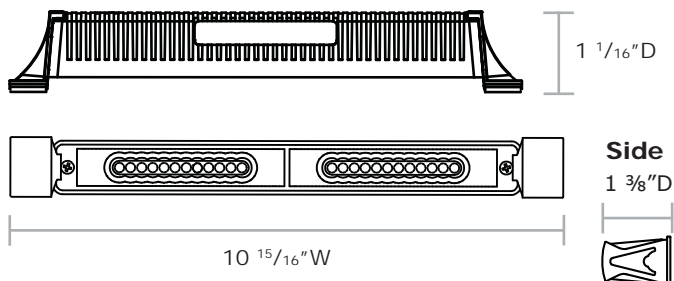


Split color combinations available, please call to confirm availability.

Replacement Parts

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

Top View



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



Deck mount



Mirror mount



Suction cup mount



ULB9LDC

Model Numbers

ULB9LDC

1 - Hardwire

Features

- Lineum X™ technology offers an all Dual-Color mini interior light
- Twenty-four mid power LEDs
- All White takedown/pursuits lights
- ULB9LDC - equipped with on/off switch and pattern select on cig. plug
- ULB9LDC-1 - equipped with 12' cable, synchronizable

ULB9-HOOD
Included



Voltage: 10-16V DC
Amp Draw: 1.3 amps (average), 2.5 amps max



LED LIGHTS

- Maximum light output in a minimum package
- Six Star Generation IV LEDs
- 25 customer selectable flash patterns, including steady-on
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Circuitry is fully encapsulated within the housing for vibration and water resistance
- Lens has diffusing optics for wider coverage

- Can mount just about anywhere and can mount in any direction
- No need to install a separate flasher unit, it's built into this miniature housing
- Interior/exterior mount
- Kit includes a snap-on polycarbonate, Black, Chrome, or White bezel that will hide screw heads for a clean install
- See page 36 for Specifications

STAR MINI-COMET™



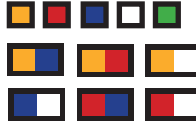
DLS306

Model Numbers

- DLS306
- DLS306C
- C - Chrome bezel

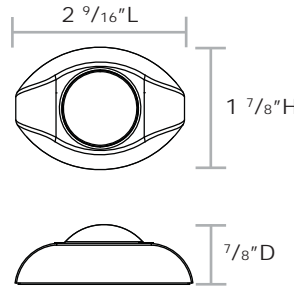
Voltage: 10-30V DC
Amp Draw: 1.2 amps max

LED Colors

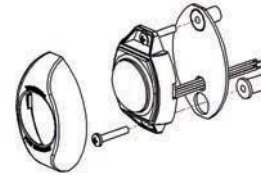


Replacement Parts

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



Mounting



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

LED LIGHTS

- High intensity LED lights give you plenty of possibilities to customize to your individual needs
- 30 customer selectable flash patterns along with Auto-Tilt™ Automatic Activation that automatically switches on when visor is pulled down, switches off when visor is up (can be disabled)
- High impact resistant polycarbonate plastic housing, vibration resistant LED technology and a micro-controlled solid state flasher allow for long life

- Designed for visor mount only
- Power indication LED allows you to see ready status
- Auto-voltage adjust compensates for varying vehicle voltage
- Ships complete with cig. plug, hook and loop fasteners, and instructions
- See page 36 for Specifications

STARVISOR II™ VL22



VL22

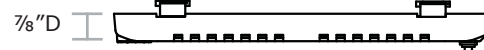
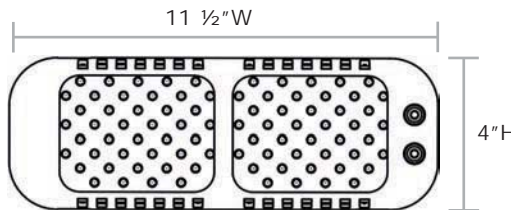
Model Number

VL22

Replacement Parts

- Clear lens 30129-10C
- Cig. plug 176
- Hook and loop strap 30209-1
- Back plate 30019-59
- Back plate screw 30052-32
- Switch button nut 30007-81-1
- Front housing/frame 30214-2

LED Colors

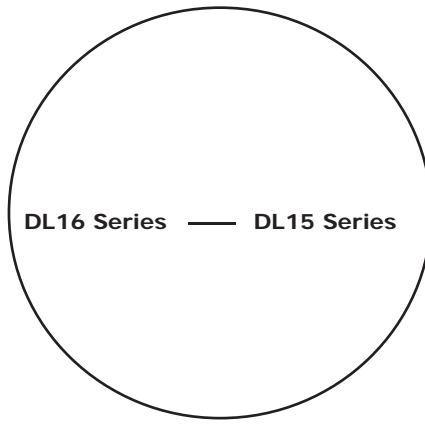


Voltage: 10-16V DC
Amp Draw: 1.5 amps

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



DL16



DL15-12W

Sync up to 2 units with each other



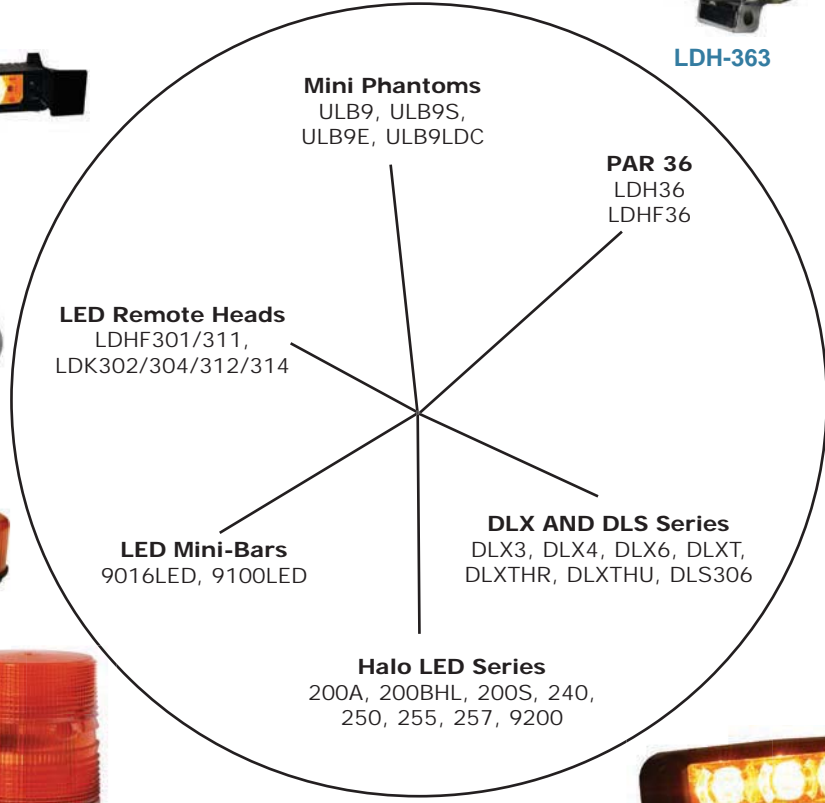
Sync up to 6 units with each other



LDH-36



ULB9S



LDHF301 Series



9100LED



255HTCL



DLX3





BKDLX3

- Three high intensity Star Generation IV LEDs
- 21 customer selectable flash patterns including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Interior or exterior mounting
- Designed for flush or bracket mounting
- Includes 6" cable and connector
- Colors available:



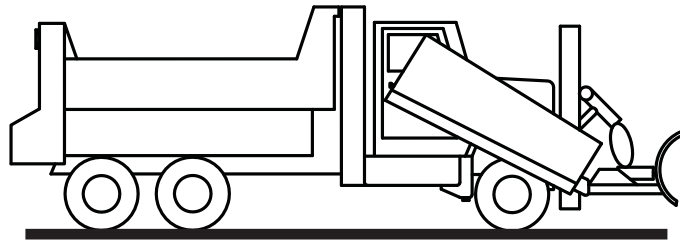
BKDLX4

- Four high intensity Star Generation IV LEDs
- 21 customer selectable flash patterns including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Interior or exterior mount
- Designed for flush or bracket mounting
- Includes 6" cable and connector
- Colors available:

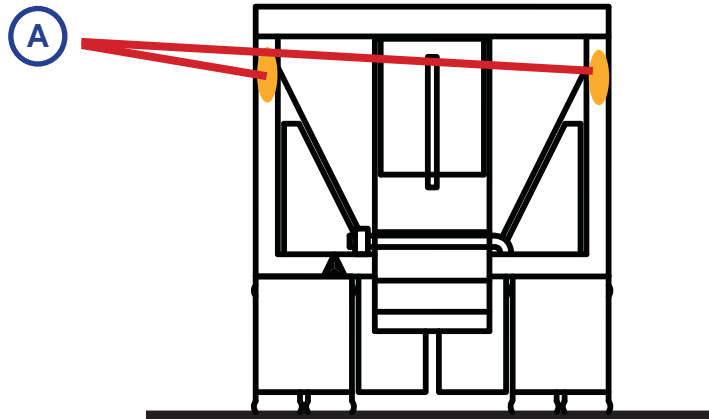


BKDLS306

- Omni-directional, mounts in any direction
- Three high intensity Star Generation IV LEDs
- 25 customer selectable flash patterns including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Includes 6" cable and connector
- Interior/exterior mount
- Colors available:



Plow Truck



Rear



BKDLXT-121

- High intensity PLCC4 LEDs
- Circuitry is fully encapsulated within housing for vibration and water protection
- 21 customer selectable flash patterns including steady-on
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Interior or exterior mount
- Includes 6" cable and connector
- Colors available:

WIRE HARNESS



BKLD418-2

- Connector board for the Star Constellation™



BKSWH-346-5

105°C, 5' cable



BKSWH-346-10

105°C, 10' cable



BKSWH-346-18

105°C, 18' cable



BKSWH-346-23





105°C, 23' cable

Choose up to 6 from the LED Category
Choose the Controller BKLD418-2

Choose up to 6 from the Wire Harness Category







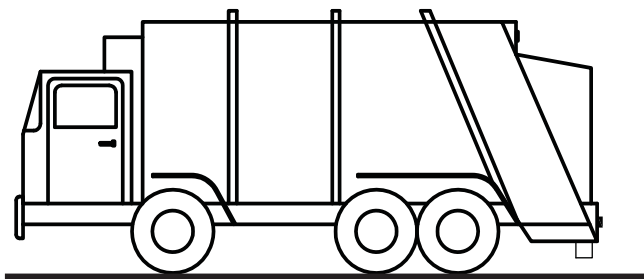
A **BKDLXTU**

- Six Star Generation IV LEDs
- 25 customer selectable flash patterns including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Interior/exterior mount
- Includes 6" cable and connector
- Colors available:     **C** - Clear lens

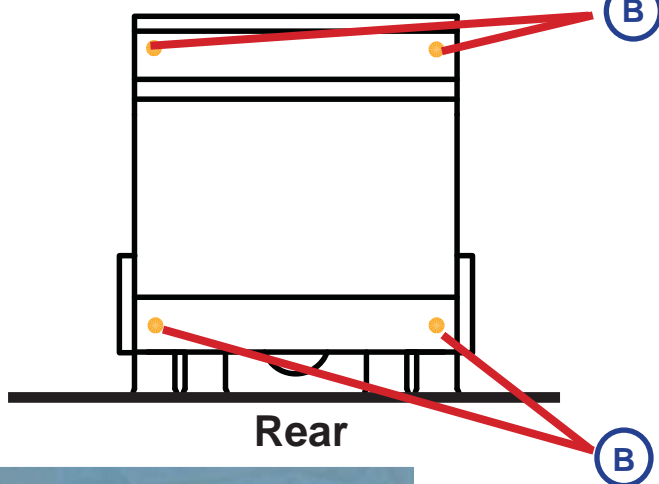


B **BKDLXTHR**

- Six Star Generation IV LEDs
- 25 customer selectable flash patterns including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Trapezoidal optics
- Interior/exterior mount
- Includes 6" cable and connector
- Colors available:     **C** - Clear lens



Disposal Truck



Rear

WIRE HARNESS



BKSWH-361-16
125°C, 16' cable





BKSWH-361-21
125°C, 21' cable



BK255H8TCL







BK255H8TSL

- Six Star Generation IV LEDs
- 24 customer selectable flash patterns, including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Lightweight polycarbonate, universal, flange base: three-hole permanent mount, 1" pipe mount
- Includes 18" cable and connector
- Colors available:  

BKDLHF311-A-10



- LED heads easily replace standard hide-a-way remote strobe tubes (1" mounting holes)
- Spherical LED heads are designed with diffusing optics for extremely wide angle light output
- 25 customer selectable flash patterns, including steady-on
- Circuitry is fully encapsulated within housing for vibration and water protection
- Customer changeable colored lenses
- Advanced thermal heat management
- Nickel aluminum housing
- Includes 18" head side cable and 10' cable with connector
- S-Link System™ synchronizing capability with up to six other Star LED units
- Colors available:    



Choose up to 6 from the LED Category
Choose the Controller BKLD418-2
Choose up to 6 from the Wire Harness Category



LED LIGHTS

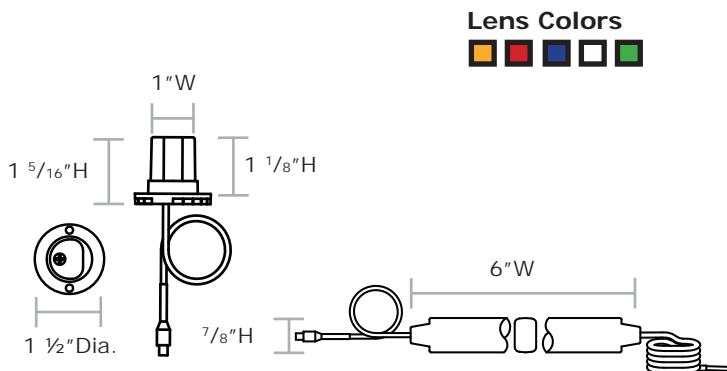
SPECIFICATIONS

Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals (* = does not apply to all flash patterns) (A - Amber, B - Blue, R - Red, C - Clear, W - White)
DL15-12, DL15-12W	10-16V DC	1.6 amps	> 2	5	SAE J595 Class I (R, B)*, California Title 13 (R, B)*
DL15-6, DL15-6W	10-16V DC	0.8 amps	> 2	5	SAE J595 Class I (R, B)*, California Title 13 (R, B)*
DL15-6GMB, DL15-6MMB	10-16V DC	0.8 amps	GMB - 2, MMB - 8	5	SAE J595 Class I (R, B)*, California Title 13 (R, B)*
DL15-6W-1K	10-16V DC	0.8 amps	> 2	5	SAE J595 Class I (R, B)*, California Title 13 (R, B)*
DLHTHR-1, DLHTHR-4	10-30V DC	.54 amps max	> 1	5	SAE J595 Class I (A only)*, California Title 13 (A only)*
DLHTHU-1, DLHTHU-4	10-30V DC	.54 amps max	> 1	5	SAE J595 Class I (A only)*, California Title 13 (A only)*
DLS306, DLS306C	10-30V DC	1.2 amps max	> 1	5	N/A
DLX3	10-16V DC	0.29 amps	> 1	5	SAE Class II (A, W)*, SAE Class I (B, R)*
DLX3H-A	10-16V DC	0.29 amps	> 1	5	SAE J595 Class I*, California Title 13*
DLX4, DLX4C	10-30V DC	0.7 amps @ 12V DC, 0.3 amps @ 24V DC	> 1	5	SAE J595 Class I (A, W, B, R)*, California Title 13 (B, R)*
DLX4-HK, DLX4-HK-1, DLX4-HK2, DLX4-HK2-1	10-16V DC	DLX4 - 0.7 amps @ 12V DC, DLX4 - 0.3 amps @ 24V DC (amp draw will vary with color)	> 2	5	SAE J595 Class I (A, W, B, R)*, California Title 13 (B, R)*
DLX6, DLX6C	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, SAE Class I (W)*, California Title 13 (A, B, R, R/B)*
DLX6-HK, DLX6-HK-1, DLX6-HK2, DLX6-HK2-1	10-30V DC	DLX6 - 0.9 amps @ 12V DC, DLX6 - 0.5 amps @ 24V DC (amp draw will vary with color)	2	5	SAE J595 Class I, SAE Class I (W)*, California Title 13 (A, B, R, R/B)
DLXT	10-16V DC or 24V DC	0.3 amps @ 12V DC, 0.2 amps @ 24V	> 1	5	SAE J595 Class II (A, R, B)*
DLXTHR-1, DLNTHR-1, DLXTHR-2, DLXTHR-3, DLXTHR-3K, DLXTHR-4, DLNTHR-1, DLXTHR-5, DLNTHR-5, DLXTHR-7, DLXTHR-8	10-30V DC	.54 amps max	> 1	5	SAE J595 Class I (A, W, BC, RC)*, California Title 13 (A, BC, RC)*
DLXTHU-1, DLNTHU-1, DLXTHU-2, DLXTHU-4, DLXTHU-5, DLXTHU-7, DLXTHU-8, DLXTHU-9	10-30V DC	.54 amps max	> 1	5	SAE J595 Class I (A, W, BC, RC)*, California Title 13 (A, BC, RC)*
LDH-361, LDHT362, LDH362, LDHF362, LDH-364, LDHF364, LDHT-364	10-30V DC	1.1 amps max	1	5	SAE J595 Class I*, California Title 13*
LDH-363, LDHT362, LDHF363	10-30V DC	1.1 amps max	2	5	SAE J595 Class I*, California Title 13*
LDH-363M	10-16V DC	1.1 amps max	3	5	SAE J595 Class I
RLKULB9-1, FLKULB9, RLKULB9S-1, FLKULB9S	10-16V DC	1.4 amps max	RLK - 2, FLK - 1	5	SAE J595 Class I*, California Title 13*
ULB9, ULB9-1, ULB9S, ULB9S-1	10-16V DC	1.4 amps max	> 1	5	SAE J595 Class I*, California Title 13*
ULB9E	10-16V DC	0.4 - 0.8 amps max	> 1	5	N/A
ULB9LDC	10-16V DC	1.3 amp, 2.5 amps max	> 1	5	N/A
VL22	10-16V DC	1.5 amps	> 1	5	N/A

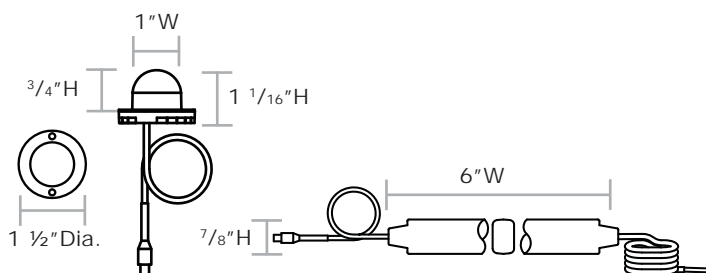
REMOTE FLASHING LED KITS

- Self-contained, LED flashing circuitry
- S-Link System™ synchronizing capabilities with up to six 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
- 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 42 for Specifications



LDHF301



LDHF311



LDHF301 Series
Directional Head

LDHF311 Series
Spherical Head

Model Numbers

- LDHF301-*10** **LDHF311-*10**
 - LDHF301-*30** **LDHF311-*30**
- 10** - 10' cable, **30** - 30' cable

Features

- Spherical LED heads are designed with diffusing optics for extremely wide angle light
- 25 customer selectable flash patterns, including steady-on

Mounting: 1" hole

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

Lens Colors

- LDK302** Two head kit includes: 1 - Flasher module, 1 - 4' cable with attached connectors, 1 - 8' cable with attached connectors, and 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, and 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, and 2 - LED spherical head assemblies with 2' leads and attached connectors
- LDK314** Two head kit includes: 2 - Flasher modules, 2 - 4' cables with attached connectors, 2 - 8' cables with attached connectors, and 4 - LED spherical head assemblies with 2' leads and attached connectors

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



LDK302
Directional Head



LDK312
Spherical Head

Model Numbers

- LDK302** **LDK312**
- LDK304** **LDK314**

Features

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

Cable Lengths: SWH-L* (* = 4', 8', 15', 20', 25', 30', 35')

HIDE-A-STAR™ IN-LINE

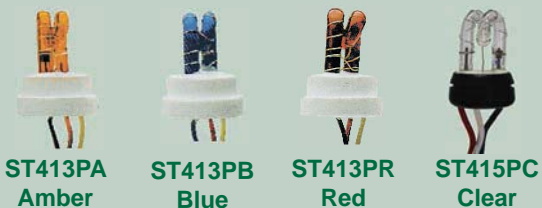
HIDE-A-STAR™ KIT



REMOTE KITS AND HEADS

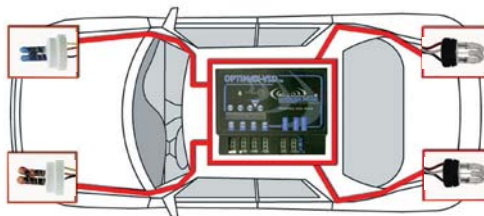
- Optimax™ or the Star-Pak® - quality remote power supply kit that is built to last
- Power supplies offered in a wide range of output from 20 - 90 watts
- Can control two to six remote strobe heads or flash tubes
- Several models offer selectable flash patterns and visual diagnostics as well as day/night mode selections
- Kits include: remote power supply, strobe heads, standard length cables, and lighted toggle switches
- See page 42 for Specifications

OPTIMAX-VSD™ RSK244P OPTIMAX-VSD™ RSK242P RSK REMOTE STROBE KITS



Features

- 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



- In the likely event that your system fails to operate properly, the Visual Systems Diagnostics (VSD™) helps diagnose the problem for RP242, RP244, RP966, and RP996
- By observing miniature lamps through windows located on the power supply you can evaluate four important operations of the strobe system
 1. The low voltage (input voltage)
 2. The high voltage (output voltage)
 3. The trigger lines (power going back to strobe tubes)
 4. The strobe heads enable



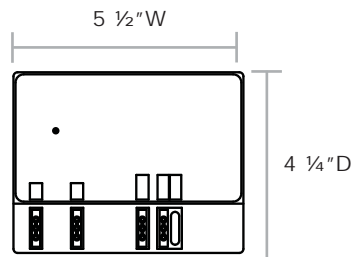
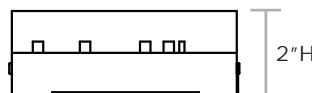
RSK242P

Features

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

Flash Patterns

- Single Quad
- Double Five
- Triple Random



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



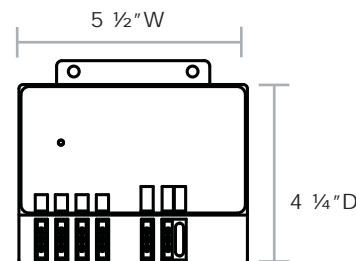
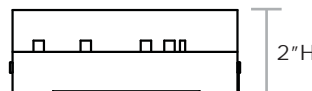
RSK244P

Features

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

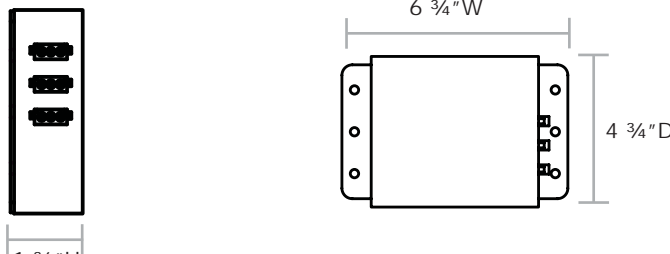
Flash Patterns

- Single Quad
- Double Five
- Triple Random



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

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



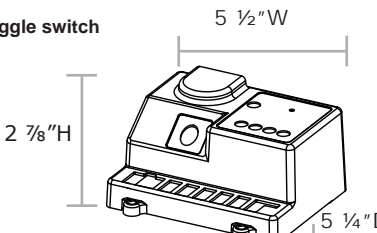
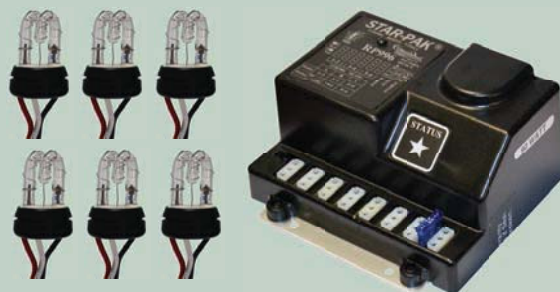

RSK310P

Features

- Strobe tube kit is an economical choice where only two Phantom™ strobe tubes are needed
- Using the SP3860-2H switch panel, can be operated in double or quad flash mode
- Fully encapsulated circuit board resists elements

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

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

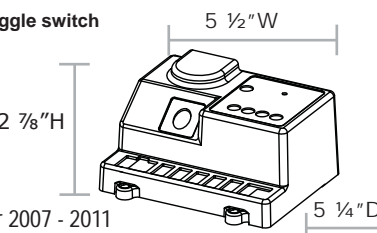
RSK966P

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

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

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




RSK996P

Features

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

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



REMOTE KITS AND HEADS

- 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
- Interior/exterior mount (depending on the model chosen)
- Several models offer selectable flash patterns and visual diagnostics as well as day/night mode selections
- See page 42 for Specifications

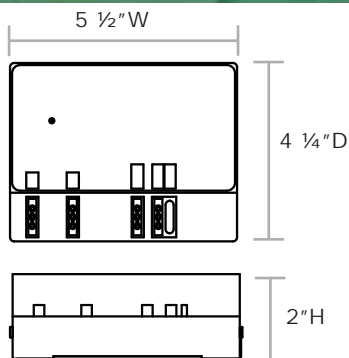
RP242



RP242

Features

- Optimax™
- User selectable flash pattern



Weight	1.25 lbs.
Outlets	2
Output	40 watts
Voltage	12 - 24V DC
Amp Draw	4.2 amps max

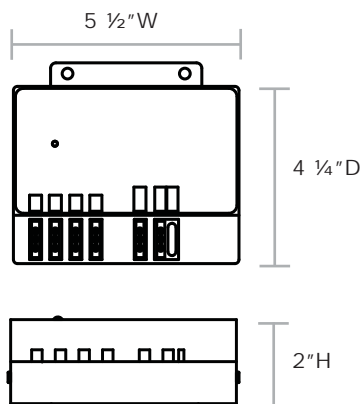
RP244



RP244

Features

- Optimax™
- User selectable flash pattern, head selectability



Weight	1.25 lbs.
Outlets	4
Output	75 watts
Voltage	12 - 24V DC
Amp Draw	7.8 amps max

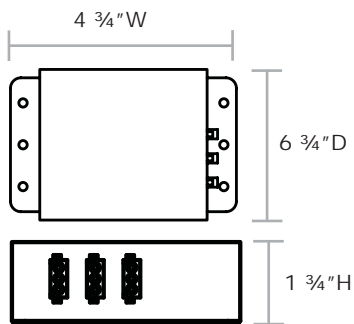
RP310



RP310

Features

- Star-Pak™
- Double/quad flash



Weight	1 lb.
Outlets	2
Output	24 watts
Voltage	12 - 24V DC
Amp Draw	2.5 amps max

RP966, RP996

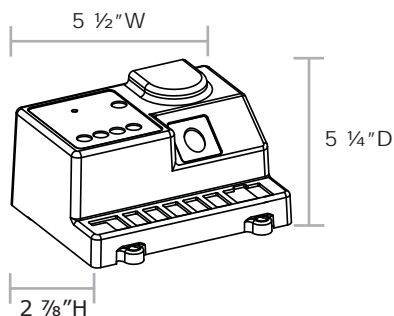


Model Numbers

RP966 RP996

Features

- Star-Pak™
- RP966 - 60 watt user selectable flash pattern, head selectability
- RP996 - 90 watt user selectable flash pattern, head selectability



RP966

Weight	1.25 lbs.
Outlets	6
Output	60 watts
Voltage	12 - 24V DC
Amp Draw	7.8 amps max

RP996

Weight	1.25 lbs.
Outlets	6
Output	90 watts
Voltage	12 - 24V DC
Amp Draw	9.4 amps max

SH3904 Round strobe head

Dimensions 4"Dia. x 2"D

Lens Colors 

SH3920 Oval strobe head

Dimensions 2 1/2"H x 6 1/2"W x 2"D

Lens Colors 

SH3922 Side mount strobe head

Dimensions 2 1/2"H x 6"W x 2 1/2"D

Lens Colors 

SH3930 Par36 round strobe head

Dimensions 3 3/4"Dia. x 2"D

Lens Colors 

SH3930E Par36 round with extended lens strobe head

Dimensions 4 3/4"Dia. x 3 1/2"D

Lens Colors 

SH3940 360°, 8" strobe with standard 180" cable
(custom length cable is available)

Dimensions 8"H x 5 1/2"Dia.

Lens Colors 

SH3970 Round, surface mount strobe head

Dimensions 7"Dia. x 2"D

Lens Colors 

SH4500 Mini rectangular strobe head, black housing

Dimensions 2 3/4"H x 5"L x 2 1/2"D

Lens Colors 

SH4501 Rectangular strobe head, black housing

Dimensions 3 1/2"H x 6 1/2"L x 2 1/2"D

Lens Colors 

SH4601 360°, 4" strobe head with standard 180" cable
(custom length cable is available)

Dimensions 4"H x 5 1/2"Dia.

Lens Colors 

SH4602 360°, 6" strobe head with standard 180" cable
(custom length cable is available)

Dimensions 6"H x 5 1/2"Dia.

Lens Colors 

ST415P Phantom strobe tube assembly
(Order ST413P for Amber, Blue, or Red)

Dimensions 1"Dia.

Lens Color 



SH3904



SH3920



SH3922



SH3930



SH3930E



SH3940



SH3970



SH4500



SH4501



SH4601



SH4602



ST415P



REMOTE KITS AND HEADS

SPECIFICATIONS

Model # (* = color)	Voltage	Amp Draw	Weight (lbs.)	Warranty (year) Refer to page 81
LDHF301-*-10, LDHF311-*-10	12-24V DC	0.5 amps per head max	1.2	1
LDHF301-*-30, LDHF311-*-30	12-24V DC	0.5 amps per head max	2.3	1
LDK302, LDK312	12-24V DC	0.5 amps per head max	1	1
LDK304, LDK314	12-24V DC	0.5 amps per head max	3.6	1
RP242**	12-24V DC	4.2 amps max @ 12V, 2.1 amps @ 24V DC	1.25	1
RP244**	12-24V DC	7.8 amps max @ 12V, 3.9 amps @ 24V DC	1.25	1
RP310*	12-24V DC	2.5 amps @ 12V, 1.3 amps @ 24V DC	1	1
RP966**	12-24V DC	7.8 amps max @ 12V, 3.1 amps @ 24V DC	1.25	1
RP996**	12-24V DC	9.4 amps max @ 12V, 4.7 amps @ 24V DC	1.25	1
RSK242P	12-24V DC	4.2 amps max @ 12V, 2.1 amps @ 24V DC	5	1
RSK244P	12-24V DC	7.8 amps max @ 12V, 3.9 amps @ 24V DC	7	1
RSK310P	12-24V DC	2.5 amps @ 12V, 1.3 amps @ 24V DC	5	1
RSK966P, RSK966P-4	12-24V DC	7.8 amps max @ 12V, 3.1 amps @ 24V DC	8	1
RSK996P, RSK996P-4	12-24V DC	9.4 amps max @ 12V, 4.7 amps @ 24V DC	8	1
SH3904	N/A	N/A	1	1
SH3920	N/A	N/A	1	1
SH3922	N/A	N/A	1	1
SH3930	N/A	N/A	1	1
SH3930E	N/A	N/A	1	1
SH3940	N/A	N/A	5	1
SH3970	N/A	N/A	2	1
SH4500	N/A	N/A	1	1
SH4501	N/A	N/A	2	1
SH4601	N/A	N/A	3	1
SH4602	N/A	N/A	2	1
ST413PA, ST413PB, ST413PR, ST415P	N/A	N/A	1	N/A

*RP310 customer selectable double/quad flash (default set quad flash)
**RP242 & RP244 defaulted for 5 flash patterns. The RP966 and RP996 are defaulted to the quad flash pattern. Other patterns are customer selectable.

One joule assimilates 100,000 peak candle power.
All remote power supplies are reverse polarity protected.

Model #	Power (watts)	Joules Primary	Joules 1st	Joules 2nd	Joules 3rd	Joules 4th	Total Output (joules)	Number of Outlets	High/Low Power Operation	Head Switching Option	Fuse Protected	Flash Rate fpm = flashes per minute	Pattern Select
RP242	40	3.4	3.4	3.4	3.4	3.4	17.0	2	yes	yes	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

CABLE

Model #	Length	Light-Duty	Heavy-Duty	Shielded	Connector Pack-Side	Connector Head-Side
3814	specify*		X		amp	weatherproof
3820	specify*	X			amp	weatherproof
3821	specify*	X			amp	amp
3830	specify*		X		weatherproof	weatherproof
4415	15'	X		X	amp	amp
4420	20'	X		X	amp	amp
4425	25'	X		X	amp	amp
4430	30'	X		X	amp	amp

*Cable Lengths: 120', 140', 180', 240', 300'

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

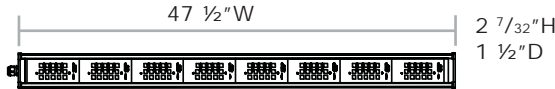
- Micro-processor control unit offers four modes with distinctive flash options
- Use them on location for road construction, accident, or roadside repairs
- See page 46 for Specifications

Replacement Parts

TD92 LED stick only	TD92-1
TD93 LED stick only	TD93-1
Control unit	TD77-2
TD92 L-bracket mount kit	TD77-6K
TD93 L-bracket mount kit	274-LLBK



TD92-47



TD93-47



TD77-2

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



TD92



TD93

Model Numbers

TD92-36 TD92-47 TD93-36 TD93-47
36 - 36" stick, 47 - 47" stick, 92 - 1 1/2"H, 93 - 2 7/32"H

Features

- Traffic Director with eight LED heads, no arrows
- Polycarbonate face shield that allows for easy cleaning
- Ships complete with back lit control unit, attached wire harness (15' standard), mounting brackets, hardware, and instructions

Voltage: 10-16V DC

Amp Draw: TD92, TD93 - 2.1 amps max

LED Colors

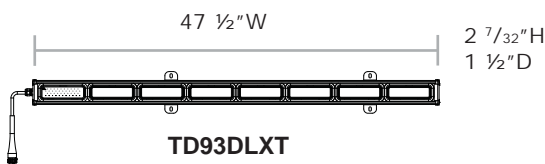


Replacement Parts

TD93DLXT LED stick only	TD93DLXT-1	
Control unit	TD77-2	
TD93DLXT L-bracket mount kit	274-LLBK	12 7/8"
TD93DLXT replacement head	TD93-DLXTRH-*	



TD77-2



TD93DLXT



TD93DLXT



TD93DLXTARO



TD93DLXTARO2



TD93DLXTARO-S

Model Numbers

TD93DLXT TD93DLXTARO2
TD93DLXTARO TD93DLXTARO-S

93 - 2 7/32"H, ARO - Arrow ends with four LED heads, ARO2 - Eight head arrow traffic director, DLXT - DLXT heads, S - Split traffic director

Features

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

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

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

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

TD93DLXT - 48" only

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



LED TRAFFIC DIRECTORS

- Designed to give you mobile, on-site traffic directing capabilities
- Made from durable extruded aluminum, these Traffic Directors will not warp or bend
- Use them on location for road construction, accident, or roadside repairs
- Steer traffic away from dangerous situations and roadway hazards
- Micro processor control unit offers four modes with distinctive flash options
- See page 46 for Specifications

TDDL15



TDDL15-47

Model Numbers

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

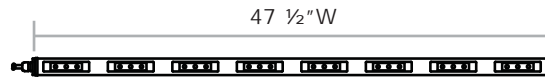
36 - 36", **42** - 42", **47** - 47", **CV** - Crown Victoria, **TA** - Tahoe Traffic Director, **TD77-2** - Control unit

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

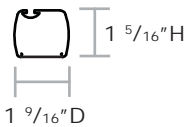
Replacement Parts

- 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**



TDDL15-4

End



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

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



TD77-2

DL15-30W WARNING/TRAFFIC



DL15-30W-ARB

Model Numbers

- DL15-30W** **DL15-30W-ARB**
ARB - Amber, Red, Blue, **W** - Weatherproof

Features

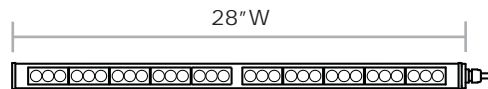
- Warning LED light and LED Traffic Director all-in-one
- 28" low profile (only 1 9/16" tall)
- Thirty high intensity Star Generation III LEDs
- Warning mode has 30 customer selectable flash patterns
- Traffic Director with three Traffic Director modes each having 6 custom flash patterns
- Rotationally 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

LED Colors



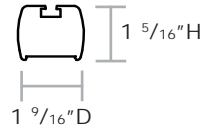
Replacement Parts

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



DL15-30W-ARB

End



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

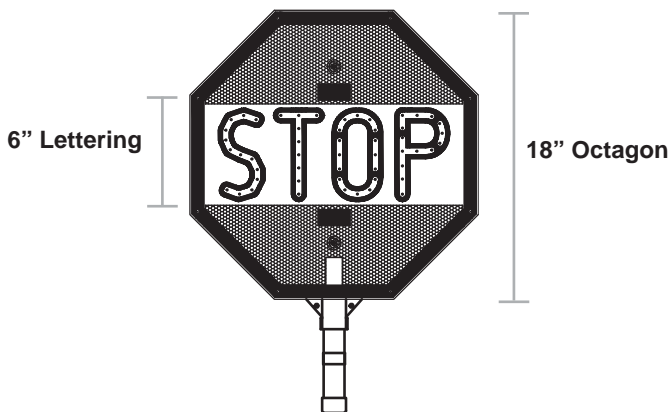
Traveling arrow	Non-traveling arrow
Traveling arrow with double flashing end module	Non-traveling arrow with double flashing end module
Traveling arrow with continuous flashing end modules (hazard lights)	Non-traveling arrow with continuous flashing end modules (hazard lights)

Does not apply to all flash patterns

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

Cable Lengths: 15'

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



Model Numbers

TCS-1	TCS-2	TCS-6
TCS-1REF	TCS-2REF	

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

Features

- 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)

Approvals for TCS-1REF and TCS-2REF

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



ULB42-TD

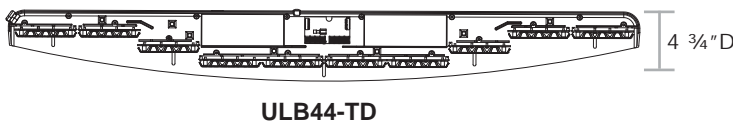
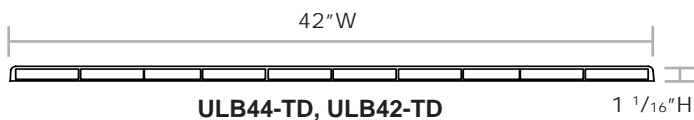


ULB44-TD

Replacement Parts

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

LED Colors for outboard LED flasher sections



Model Numbers

ULB42-TD	ULB42-TD-1	ULB44-TD	ULB44-TD-1
----------	------------	----------	------------

1 - Traffic Director stick only, 42-TD - Traffic Director with control box, 44-TD - Traffic Director with control box

Features

- Interior mount LED traffic directors are perfect for undercover or unmarked vehicle applications
- Durable polycarbonate, will not warp or bend
- Extremely thin profile, they easily mount in the rear window
- ULB42-TD offers two hundred seventy Star Generation I LEDs
- ULB44-TD offers thirty high intensity Star Generation IV LEDs
- Micro processor control unit with tactile switching gives you 4 distinctive pattern modes with three "option" buttons (Fast, Dim, Alt)
- Four outboard LED sections (two at each end) allow different color combinations for warning patterns while using the six inner Amber LED sections for traffic directing
- 15' cable length comes standard
- Ships complete with back lit control unit, attached wire harness, mounting brackets, hardware, and instructions
- Modes: left arrow, right arrow, center out, and warn (alternating)

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



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

ULB42-TD-2



STAR PHANTOM® LINEUM X™ TRAFFIC DIRECTOR

- The New Lineum X™ technology offers a Dual-Color interior undercover bar
- One hundred-twenty, high intensity Star Generation IV LEDs
- Options to flash outer LEDs with 6 or 8 heads of Traffic Director
- 9 Traffic Director patterns
- 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 below for Specifications

ULB48-TD



ULB48-TD

Model Numbers

ULB48-TD

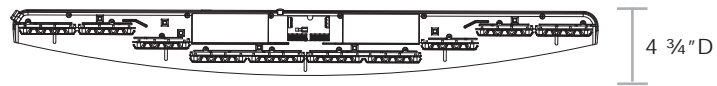
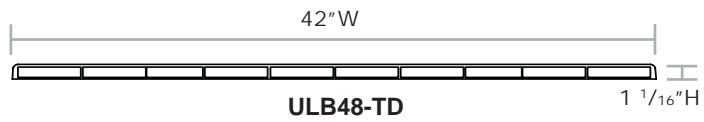
TD - Traffic Director

LED Colors



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



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

SPECIFICATIONS

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	10-16V DC	3.0 amps max	yes	3	5	SAE J595, California Title 13 (Red/Blue for both)
DL15-30W-ARB	10-16V DC	3.0 amps max	yes	3	5	SAE J595, California Title 13 (Red/Blue for both)
TCS-1, TCS-2	N/A	N/A	no	2	5	N/A
TCS-1REF, TCS-2REF	N/A	N/A	no	2	5	M.U.T.C.D.
TD92	10-16V DC	2.1 amps max	no	10	5	N/A
TD93	10-16V DC	2.1 amps max	no	10	5	N/A
TD93DLXT	10-16V DC	2.7 amps max	no	10	5	N/A
TD93DLXT24	24V DC	2.7 amps max	no	10	5	N/A
TD93DLXTARO	10-16V DC	4.1 amps max	no	15	5	N/A
TD93DLXTARO2	10-16V DC	7.8 amps max	no	19	5	N/A
TD93DLXTARO-S	10-16V DC	4.1 amps max	no	17	5	N/A
TDDL15-36	10-16V DC	3.0 amps max	no		5	SAE J595, California Title 13*
TDDL15-42, TDDL15-42TA	10-16V DC	3.0 amps max	no	8	5	SAE J595, California Title 13*
TDDL15-47	10-16V DC	3.0 amps max	no	6	5	SAE J595, California Title 13*
TDDL15-47CV	10-16V DC	3.0 amps max	no		5	SAE J595, California Title 13*
ULB42-TD, ULB42-TD-1	10-16V DC	3.1 amps average, 6.3 amps max	no		5	N/A
ULB44-TD, ULB44-TD-1	10-16V DC	3.1 amps average, 6.3 amps max	no		5	N/A
ULB48-TD	10-16V DC	6.5 amps average, 13 amps max	no	4	5	N/A

STAR PHANTOM® LED LIGHTBARS

- Phantom™ series 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
- Interior mount LED lightbar is perfect for undercover or unmarked vehicles
- Extremely thin profile

- 35 customer selectable flash patterns via a push button switch and a 30 second Superburst™ all LED steady burn mode
- Two angled LED sections that provide intersection clearing and a red “night vision” preserving map light are standard
- See page 49 for Approvals

LED Colors



ULB42



ULB42-DLP

Replacement Parts for ULB42

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

Model Numbers

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

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

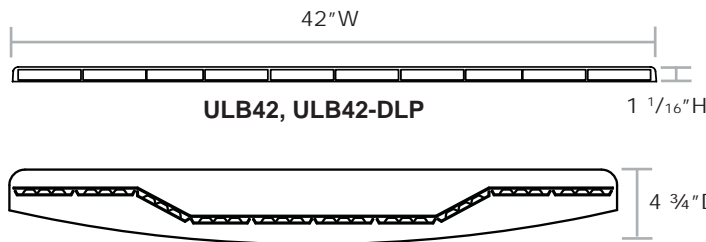
Features

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

Does not apply to all flash patterns

Voltage: 10-16V DC

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



LED Colors



ULB21

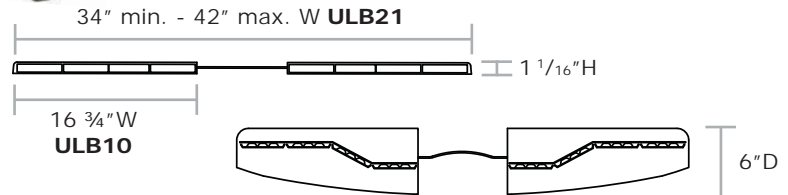
ULB10

Replacement Parts for ULB21

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

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB21-CP
Chevy Impala	274-ULB21-IM
Chevy Tahoe	274-ULB21-TA
Dodge Charger	274-ULB21-CH
Dodge Charger '11 and newer	274-ULB21-CH11
Dodge Ram 1500, 2500, 3500	274-ULB21-RM
Ford Crown Victoria	274-ULB21-CV
Ford Explorer	274-ULB21-EX
Ford Interceptor Sedan	274-ULB21-INT
Universal mount	274-ULB21-U1



Replacement Parts for ULB10

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

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB10-CP
Chevy Impala	274-ULB10-IM
Chevy Tahoe	274-ULB10-TA
Dodge Charger	274-ULB10-CH
Dodge Charger '11 and newer	274-ULB10-CH11
Dodge Ram 1500, 2500, 3500	274-ULB10-RM
Ford Crown Victoria	274-ULB10-CV
Ford Explorer	274-ULB10-EX
Ford Interceptor Sedan	274-ULB10-INT
Universal mount	274-ULB10-U1

Model Numbers

ULB10 **ULB21**

10 - Half Phantom™, 21 - Split Phantom™

Features

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

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

Does not apply to all flash patterns

Voltage: 10-16V DC

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



ULB42

ULB10, ULB21

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 49 for Approvals

UL44



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

Approvals

SAE J595 (available) California Title 13 (available)

Does not apply to all flash patterns

Voltage: 10-16V DC

Amp Draw: ULB44 - 3.1 amps (average), 6.25 amps max

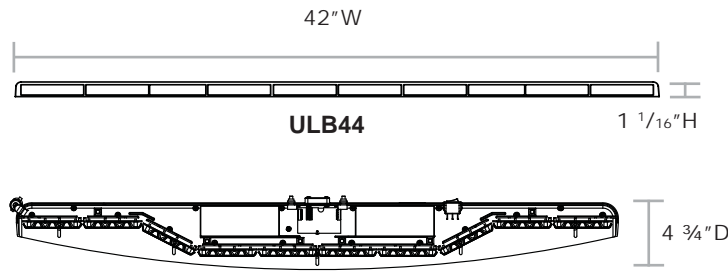
Amp draw varies depending on color of LED and the flash pattern selected

LED Colors



Replacement Parts for ULB44

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



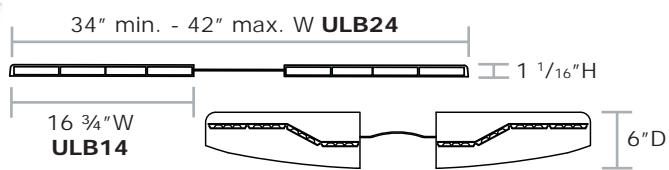
ULB14, ULB24



ULB24



ULB14



Model Numbers

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

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

Features

- ULB24 straddles the overhead console
- ULB14 mounts on the passenger side
- ULB24 has twenty-four long life, Star Generation IV LEDs
- ULB14 has twelve long life, Star Generation IV LEDs

Approvals

Does not apply to all flash patterns

SAE J595 (available) California Title 13 (available)

Voltage: 10-16V DC

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

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

LED Colors



Replacement Parts for ULB24

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

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB21-CP
Chevy Impala	274-ULB21-IM
Chevy Tahoe	274-ULB21-TA
Dodge Charger	274-ULB21-CH
Dodge Charger '11 and newer	274-ULB21-CH11
Dodge Ram 1500, 2500, 3500	274-ULB21-RM
Ford Crown Victoria	274-ULB21-CV
Ford Explorer	274-ULB21-EX
Ford Interceptor Sedan	274-ULB21-INT
Universal mount	274-ULB21-U1

Replacement Parts for ULB14

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

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB10-CP
Chevy Impala	274-ULB10-IM
Chevy Tahoe	274-ULB10-TA
Dodge Charger	274-ULB10-CH
Dodge Charger '11 and newer	274-ULB10-CH11
Dodge Ram 1500, 2500, 3500	274-ULB10-RM
Ford Crown Victoria	274-ULB10-CV
Ford Explorer	274-ULB10-EX
Ford Interceptor Sedan	274-ULB10-INT
Universal mount	274-ULB10-U1

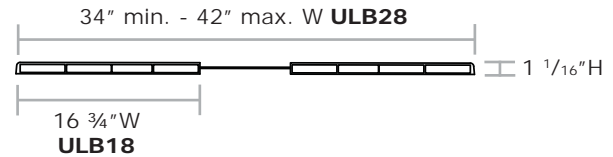
- The New Lineum X™ technology offers a Dual-Color interior undercover bar
- Extremely thin profile, for interior applications only
- 31 customer selectable flash patterns, 5 phases (ex. AAAA BBBB vs. ABAB BABA), and 13 head enables: select which heads come on with which enable (Select two or ten takedown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

- Low power dimming feature
- Inputs: White flashing, Level 1, Level 2, Takedown, California steady Red, burst/dim/pattern
- See chart below for Specifications

LED Colors for ULB18



LED Colors for ULB28



Replacement Parts for ULB18

Cig. plug	176-SW
Bent end baffle (requires one per unit)	S30147-151-2R
Gasket	P30047-169-18

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB10-CP
Chevy Impala	274-ULB10-IM
Chevy Tahoe	274-ULB10-TA
Dodge Charger	274-ULB10-CH
Dodge Charger '11 and newer	274-ULB10-CH11
Dodge Ram 1500, 2500, 3500	274-ULB10-RM
Ford Crown Victoria	274-ULB10-CV
Ford Explorer	274-ULB10-EX
Ford Interceptor Sedan	274-ULB10-INT
Universal mount	274-ULB10-U1

Replacement Part for ULB28

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

Vehicle Specific Mounting Brackets

Chevy Caprice	274-ULB21-CP
Chevy Impala	274-ULB21-IM
Chevy Tahoe	274-ULB21-TA
Dodge Charger	274-ULB21-CH
Dodge Charger '11 and newer	274-ULB21-CH11
Dodge Ram 1500, 2500, 3500	274-ULB21-RM
Ford Crown Victoria	274-ULB21-CV
Ford Explorer	274-ULB21-EX
Ford Interceptor Sedan	274-ULB21-INT
Universal mount	274-ULB21-U1

Model Numbers

ULB18 **ULB28**
18 - Half Phantom™, **28** - Split Phantom™

Features

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

Voltage: 10-16V DC

Amp Draw: ULB18 - 2.5 amps (average) 5.0 amps (max)
 ULB28 - 5.25 amps (average) 10.5 amps max

Model #	Voltage	Amp Draw	Weight (lbs.)	Warranty (years) Refer to page 81	Approvals * = does not apply to all flash patterns
ULB10	10-16V DC	1.2 amps average, 2.4 amps max	1.5	5	N/A
ULB14	10-16V DC	1.3 amps average, 2.5 amps max	1.5	5	SAE J595*, California Title 13*
ULB18	10-16V DC	2.5 average, 5.0 amps max	1.5	5	N/A
ULB21	10-16V DC	2.4 amps average, 4.7 amps max	2.8	5	SAE J595*, California Title 13*
ULB24, ULB24-CA, ULB24-DLP	10-16V DC	2.5 amps average, 5.0 amps max	2.8	5	SAE J595*, California Title 13*
ULB28	10-16V DC	5.2 amps average, 10.5 amps max	2.8	5	N/A
ULB42	10-16V DC	2.36 amps average, 5.4 amps max	2.8	5	SAE J595*, California Title 13*
ULB42-1	10-16V DC	2.4 average, 5.4 amps max	3	5	SAE J595*, California Title 13*
ULB42-DLP	10-16V DC	2.4 average, 5.4 amps max	2.8	5	SAE J595*, California Title 13*
ULB44, ULB44-1, ULB44-2	10-16V DC	3.1 amps average, 6.25 amps max	3	5	SAE J595*, California Title 13*
ULB44-3, ULB44-CA	10-16V DC	3.1 amps average, 6.25 amps max	3	5	SAE J595*, California Title 13*
ULB44-DLP	10-16V DC	3.1 amps average, 6.25 amps max	3	5	SAE J595*, California Title 13*

ULB18, ULB28

SPECIFICATIONS



LED MINI-BAR

- 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 Approvals

9016LED



9016LED-AA-A



9016LEDV-AA-C

Model Numbers

9016LED 9016LEDM 9016LEDV

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

Features

- M-Tech Plus[®] LED technology that provides a superior 360° warning light image
- 20 customer selectable flash patterns
- S-Link System[™] synchronizing capabilities with up to six other Star LED units

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

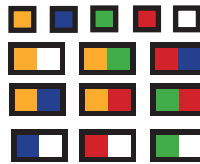
Dome Colors



LED Colors with a Clear Dome only



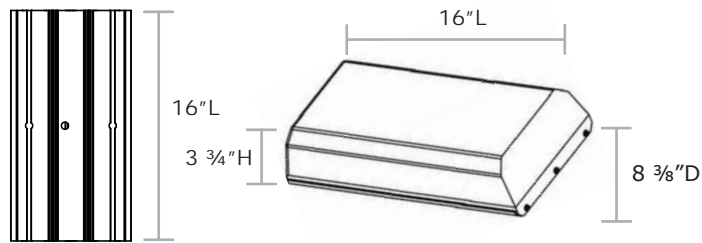
LED Colors



Replacement Parts (* = color)

Dome	910-316-*
Cig. plug	920-PAT18HI
Magnet mount kit	910-177K
Mounting gasket	920-17-16
Vacuum magnet mount kit	920-14V-BK
Dome gasket	30047-64

Base



9018LED



9018LED



Model Numbers

9018LED 9018DLED 9018TBLED

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

Features

- Star Lineum[™] LED technology
- The 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
- Permanent model available only
- Rugged one piece, extruded, anodized aluminum base

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

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

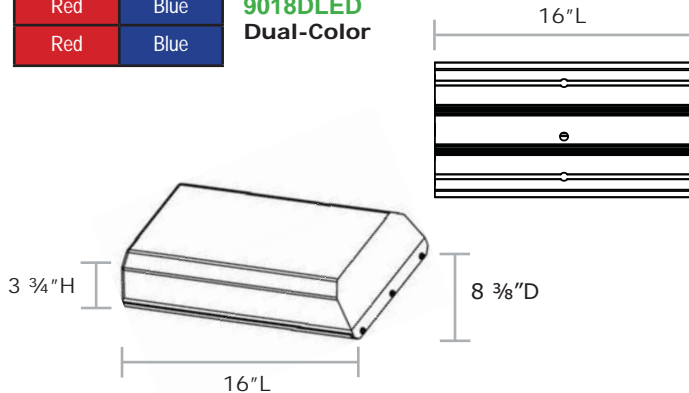
Phase 1	Phase 1
Phase 2	Phase 2

9018TBLED
 Top/Bottom
 Colors are not independently enabled

Red	Blue
Red	Blue

9018DLED
 Dual-Color

Base



Replacement Parts (* = color)

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

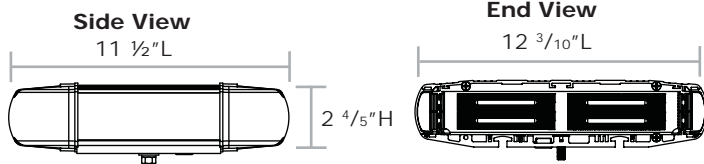
Dome Colors



LED Colors



Dual Color Dome

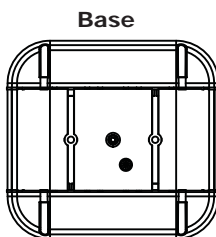


Configuration Options

Phase 1	Phase 2	7100LED
Phase 1	Phase 2	Left/Right
Colors are not independently enabled		

Phase 1	Phase 1	7100TBLED
Phase 2	Phase 2	Top/Bottom
Colors are not independently enabled		

Red	Blue	7100DLED
Red	Blue	Dual-Color



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



7100LED

Model Numbers

7100LED **7100DLED** **7100TBLED**

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

Features

- 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 Approvals

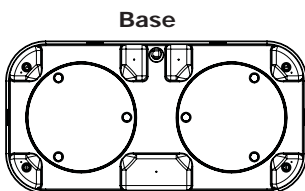
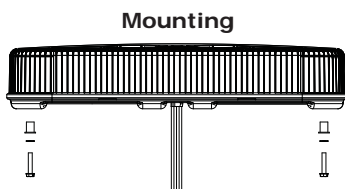
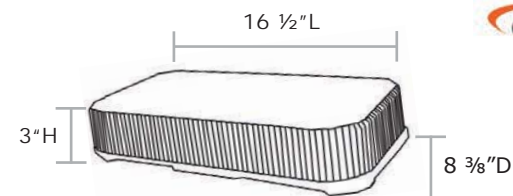
Replacement Parts (* = color)

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

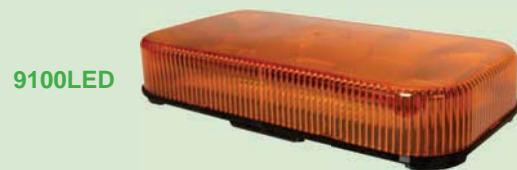
Dome Colors



LED Colors



Voltage: permanent - 10-30V DC, magnet - 10-16V DC
Amp Draw: 2.3 amps max



9100LED



9100LEDV

Model Numbers

9100LED **9100LEDM** **9100LEDV**

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

Features

- 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 up to six 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 Approvals



LED MINI-BAR

- Star Halo® LED technology is patented (#5,662,702)
- Ultra high intensity LED light that exceeds the latest J845 and California Title 13 standards
- 13 customer selectable flash patterns, including steady-on and a rotating pattern
- S-Link System™ synchronizing capabilities with up to six other Star LED units
- Circuitry is fully encapsulated for increased weather and shock resistance

- Fully gasketed between the durable polycarbonate dome and base
- Two internal V-mirrors, enhance flashes
- Magnet mounts include vinyl pads to avoid scratching surfaces
- Permanent mount - selectable flash patterns via external pattern select wire, 24" leads
- Magnet and Vacuum magnet mount - selectable flash patterns via switch on cig. plug and separate on/off switch
- Extremely low current draw
- See page 53 for Specifications

9200HL



9200HL



9200HLV

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

Dome Colors

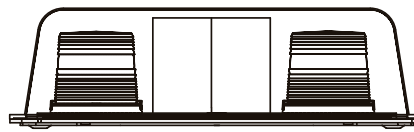


Inner Lens Colors



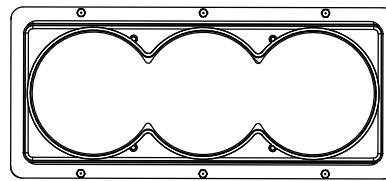
Replacement Parts (* = color)

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



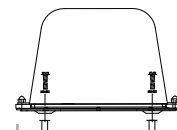
4 1/2" H

Base



16 1/8" L

Mounting



7 1/4" D

STROBE MINI-BAR

- Double/quad selectable heads, via internal jumper
- Flash rate - Double - 128 sequences per minute @ 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 plastic base
- Two internal V-mirrors
- Field repairable - Less down time
- See page 53 for Specifications

9200S



9200S



9200SV

Model Numbers

9200S 9200SM 9200SV

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

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

Dome Colors

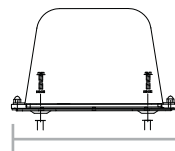


Inner Lens Colors

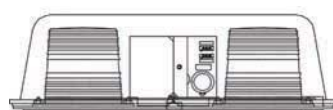


Replacement Parts (* = color)

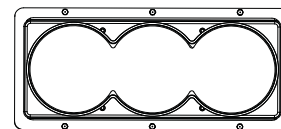
Outer dome	920-3-*
Inner Fresnel lens	333-*
Strobe tube assembly	ST3901-7
V-mirror	820-29
Cig. plug w/lighted on/off switch	176-SW
Double/quad power supply	620-181-SBP
Magnet (one)	920-16
Magnet mount kit	920-16-4K
Vacuum magnet (one)	920-14V



7 1/4" D



4 1/2" H



16 1/8" L

HALOGEN MINI-BAR

- Durable polycarbonate lens
- Gasket between lens and base, ABS plastic base
- Patented shock mounted rotators with two sealed roller bearings (bearing mechanism - maintenance free)
- 50 watt halogen bulb (795 type)
- Sturdy and lightweight - will not corrode!

- Provides quiet, smooth operation and ensures long rotator and bulb life
- No belts to replace or spindle hubs to grease
- Long life with lock in/stay in feature
- Field repairable
- Standard rotator - 80 fpm (+/- 10) per rotator
- High speed rotator - 160 fpm (+/- 10) per rotator

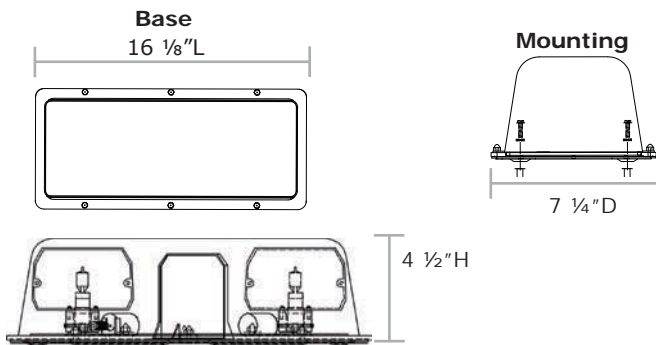
Replacement Parts (* = color)

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

Dome Colors



Filter Colors



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

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	16 amps max	7	5	N/A
9016LED	10-30V	2 amps max (A, R), 3.6 amps max (B, W, G, B/W), 2.8 amps max (A/W, A/G, R/B)	7	5	SAE J845 Class I (A, B, R, W)*, California Title 13 available upon request*
9016LEDM, 9016LEDV	10-16V DC	2 amps max (A, R), 3.6 amps max (B, W, G, B/W), 2.8 amps max (A/W, A/G, R/B)	magnet - 9, v - 10	5	SAE J845 Class I (A, B, R, W)*, California Title 13 available upon request*
9018LED, 9018TBLED, 9018DLED	10-16V DC	16 amps max	8	5	N/A
9100LED	10-30V DC	2.3 amps max	4	5	SAE J845 Class I (A, W, B)*, California Title 13 available upon request*
9100LEDM, 9100LEDV	10-16V DC	2.3 amps max	magnet - 5, v - 6	5	SAE J845 Class I (A, W, B)*, California Title 13 available upon request*
9200H	12V DC (available in 24V DC)	8 amps @ 12V DC	4	1	SAE J845 Class I (A, B, R, C)*
9200HL, 9200H8L	10-30V DC	1.2 amps @ 12V DC, 0.6 amps @ 24V DC	5	5	SAE Class I, California Title 13* (A - ultra high intensity LEDs)*
9200HLM, 9200H8LM, 9200HLV, 9200H8LV	10-16V DC	1.2 amps @ 12V DC, 0.6 amps @ 24V DC	magnet - 6, v - 7	5	SAE Class I, California Title 13* (A - ultra high intensity LEDs)*
9200HM, 9200HV	12V DC (available in 24V DC)	8 amps @ 12V DC	magnet - 5, v - 6	1	SAE J845 Class I (A, B, R, C)*
9200S	12-24V DC	2 amps @ 12V DC	4	1	SAE Class II (A)*
9200SM, 9200SV	12-24V DC	2 amps @ 12V DC	magnet - 5, v - 6	1	SAE Class II (A)*

9200H

SPECIFICATIONS



- Low cost, super bright M-Tech Plus® LED technology provides a superior color warning light image
- M-Tech Plus® flute patent # (D68,252)
- Forward facing White scene lighting now available, giving out full front coverage for those times when you need it the most (TOW packages 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
- Dual color and dual function
- Warning signal and scene lighting in one package
- 10-16V DC
- See page 60 for Specifications
- See pages 70-71 for Vehicle Mounting Specifications

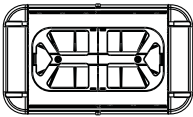


7462LED

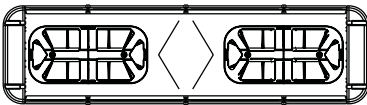
LED Colors



Front Lens and End Cap Colors (Standard Clear)

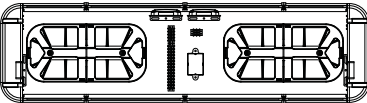


7232LED

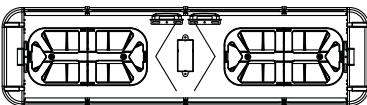


7460LED

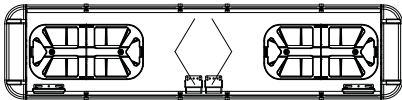
7464LED



7461LED



7462LED



7564LED-TOW

7565LED-TOW

Model Numbers

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

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

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



LED LIGHTBARS

STAR RAZOR®

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

- Over 30 customer selectable flash patterns
- High/low power select
- Conformal coated circuitry protects against shock and vibration
- Front/Rear enable
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Rugged one piece extruded, anodized aluminum base
- 10-16V DC
- See page 60 for Specifications
- See pages 70-71 for Vehicle Mounting Specifications

LED Colors



Domes (Standard Clear)



Dual Color Available



Lineum™ Head

Six Generation IV LEDs
Star Lineum™ technology
Wide angle light distribution
Front and rear modules
Can be used for takedown/pursuit lights



DLX6 Head

Six Generation IV LEDs
Narrow light distribution
Can be used for takedown/pursuit lights and STT



Batwing Head

Three Generation IV LEDs
Narrow light distribution
Can be used for stop/tail/turns and Traffic Director
Can be used for takedown/pursuit lights



Super Lineum™ Head

Nine Generation IV LEDs
Star Lineum™ technology
Wide angle light distribution good for front/rear/corners



12 Dual-Color Lineum™ Head

Twelve Generation IV LEDs
Dual-Color Star Lineum™ technology
Wide angle light distribution good for front/rear
Dual-Color to the front for takedown pursuit and rear for Traffic Director, work lights



2440

Model Numbers

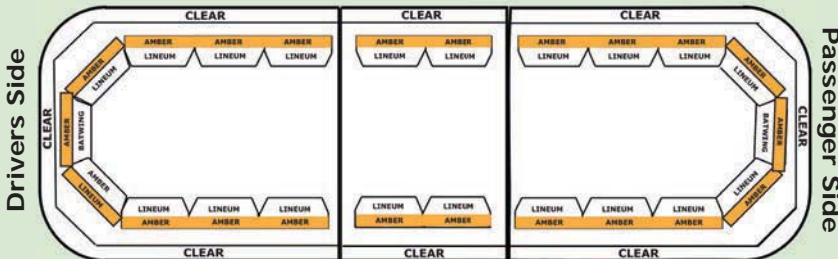
2340 2440 2540 2640

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

Top view



Front



Rear

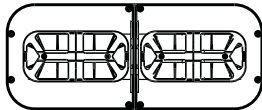
- Ultra low profile - only 2 3/4" high
- Super bright M-Tech Plus® high intensity LED heads can be operated separately and are designed for wider light distribution
- M-Tech Plus® flute patent # (D68,252)
- SAE Class I and California Title 13 approved when properly configured
- All LED heads and power supplies feature potted circuits to protect against shock
- Adjustable lower level lights allow customizable positioning of light output
- TD77-2 control module included with all Traffic Director bars
- Low input voltage detection under 10V DC
- High/low power select

- 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
- Black plastic, low profile, direct roof mount kit is standard and included (820-39-PB)
- Custom lightbar configurations are available
- See page 60 for Specifications
- See page 70-71 for Vehicle Mounting Specifications

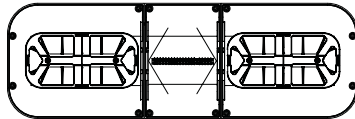
LED Colors



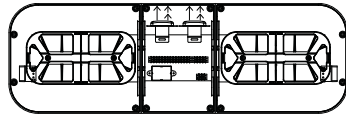
Domes (Standard Clear)



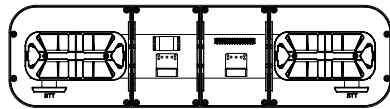
2360LED



2460LED



2461LED



2565LED-TOW



2460LED

Model Numbers

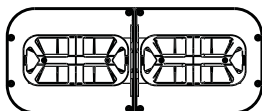
2360LED 2460LED 2461LED 2565LED-TOW

23 - 36", 24 - 46", 25 - 56", TOW - Tow package

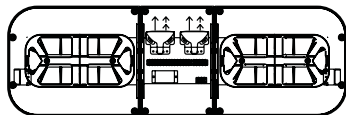
Features

- Forward facing WHITE SCENE LIGHTING now available giving you full front coverage for those times when you need it the most (TOW packages scene lighting is to the rear)

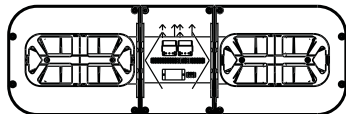
2360LED	36", (2) M-Tech Plus® heads with scene lighting
2460LED	46", (2) M-Tech Plus® heads with scene lighting, (2) V-mirrors
2461LED	46", (2) M-Tech Plus® heads with scene lighting, (2) front DLX6 LED takedown/pursuits, (2) LED alleys
2565LED-TOW	56", (2) M-Tech Plus® heads with scene lighting to the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



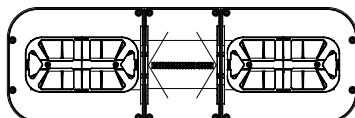
2364LED



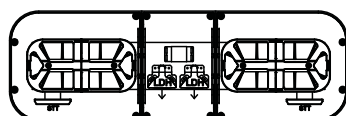
2462LED



2463LED



2464LED



2464LED-TOW



2464LED

LED Colors



Domes (Standard Clear)



Model Numbers

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

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

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

LED LIGHTBARS

- Dual level, full output, lightbar less than 4" tall
- Super bright M-Tech Plus[®], high intensity LED heads can be operated separately and are designed for wider light distribution
- Independent enable of front and rear facing LEDs
- 35 customer selectable flash patterns via external wire
- Conformal coated circuitry protects against shock and vibration
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture
- Fluted lens over LEDs patent #D68,252
- Rugged one piece extruded, anodized aluminum base
- High/low power select
- Low input voltage detection under 10V DC
- 10-16V DC
- See page 60 for Specifications
- See pages 70-71 for Vehicle Mounting Specifications

STAR SABRE[®] M-TECH PLUS[®]



5464LED

Model Numbers

5364LED 5462LED 5464LED 5564LED

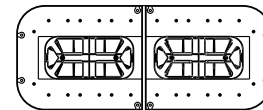
53 - 36", 54 - 46", 55 - 56"

- 5364LED** 36", (2) M-Tech Plus[®] heads
- 5462LED** 46", (2) M-Tech Plus[®] heads, (4) takedown/pursuits, (2) alleys, LED intersection clearing, (2) V-mirrors
- 5464LED** 46", (2) M-Tech Plus[®] heads, (2) V-mirrors
- 5564LED** 56", (2) M-Tech Plus[®] heads, (2) V-mirrors

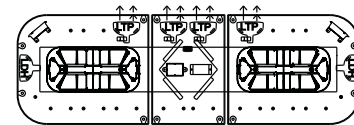
LED Colors



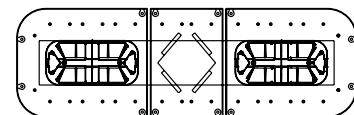
Domes Colors (Standard Clear)



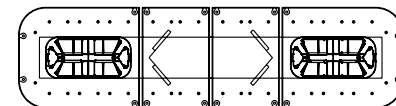
5364LED



5462LED



5464LED



5564LED

LED LIGHTBARS

- Aerodynamic design
- Super bright, M-Tech-Plus® LED technology provides superior warning light image
- 35 customer selectable flash patterns via external wire
- Independent enable of front and rear facing LEDs
- High/low power select
- Conformal coated circuitry protects against shock and vibration
- Durable polycarbonate, injection molded domes are Star "diamond coated" and fully gasketed to protect against moisture

- Fluted lens over LEDs, patent # (D68,252)
- Rugged one piece extruded, anodized aluminum base
- Low input voltage detection under 10V DC
- 10-16V DC
- See page 60 for Specifications
- See pages 70-71 for Vehicle Mounting Specifications



6464LED

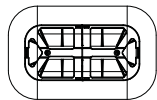


6032LED

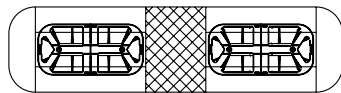
LED Colors



Dome Colors (Standard Clear)



6032LED, 6032LEDM



6464LED



6564LED

Model Numbers

6032LED 6032LEDM 6464LED 6564LED

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

6032LED 20", (2) M-Tech Plus® heads

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

6464LED 48", (2) M-Tech Plus® heads

6564LED 56", (2) M-Tech Plus® heads

LED LIGHTBARS

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

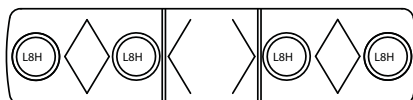


9404H8L

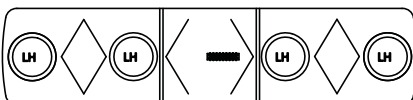
LED Colors



Domes (Standard Clear)



9404H8L



9404HL

Model Numbers

9404H8L 9404HL

94 - 48", H8L - 8 Halo LEDs, HL - 4 Halo LEDs

9404H8L 48", four Halo eight LEDs, two diamond mirrors, two V-mirrors

9404HL 48", four Halo four LEDs, two diamond mirrors, two V-mirrors



LED LIGHTBARS

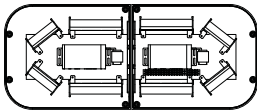
SPECIFICATIONS

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
2340	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 36"L	will vary	5
2440	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	will vary	5
2540	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 56"L	will vary	5
2640	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 66"L	will vary	5
7200	12V	amps will vary	perm./mag./vacuum mag. mount	2 5/8"H x 12 1/4"W x 22"L	will vary	5
7300	12V	amps will vary	perm. mount	2 5/8"H x 12 1/4"W x 34"L	will vary	5
7400	12V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	will vary	5
7500	12V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 52"L	will vary	5
7600	12V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 58"L	will vary	5
2360LED	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	20	5
2364LED	12V	7.2 amps	perm. mount	2 3/4"H x 15"W x 36"L	25	5
2460LED	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	25	5
2461LED	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	25	5
2462LED	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	28	5
2464LED	12V	7.2 amps	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	31	5
2464LED-TOW	12V	23 amps max	hook-on/perm. mount	2 3/4"H x 15"W x 46"L	35	5
2565LED-TOW	12V	amps will vary	hook-on/perm. mount	2 3/4"H x 15"W x 56"L	38	5
5364LED	12V	7.2 amps	perm. mount	4"H x 15"W x 36"L	25	5
5462LED	12V	22 amps	hook-on/perm. mount	4"H x 15"W x 46"L	33	5
5464LED	12V	7.2 amps	perm. mount	4"H x 15"W x 46"L	31	5
5564LED	12V	7.2 amps	hook-on/perm. mount	4"H x 15"W x 56"L	35	5
6032LED	12V	7.2 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 20"L	12	5
6032LEDM	12V	7.2 amps max	mag. mount	5"H x 12 1/2"W x 20"L	16	5
6464LED	12V	7.2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	25	5
6564LED	12V	7.2 amps	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	28	5
7232LED	12V	3.6 amps	perm. mount	2 5/8"H x 12 1/4"W x 22"L	25	5
7460LED	12V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7461LED	12V	amps will vary	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7462LED	12V	9 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	39	5
7464LED	12V	7.2 amps	hook-on/perm. mount	2 5/8"H x 12 1/4"W x 46"L	37	5
7564LED-TOW	12V	amps will vary	hook-on/perm. mount	52"L	42	5
7575LED-TOW	12V	amps will vary	hook-on/perm. mount	52"L	45	5
9404H8L, 9404HL	12V	2.4 amps	hook-on/perm. mount	48"	30	5

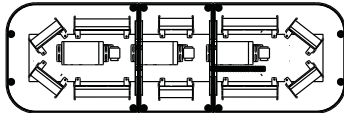
STROBE LIGHTBARS

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

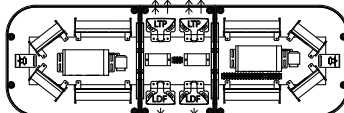
- Available with 4.5" or 7" linear strobe heads
- See pages 64 - 65 for Approvals
- See pages 70-71 for Vehicle Mounting Specifications



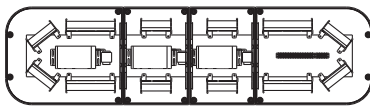
2300SL



2400SL



2420SL



2500SL

Dome Colors



2300SL



2500SL

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

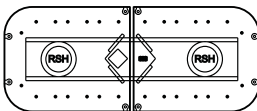
2420SL 46", (4) 7" linear strobes, (4) 4.5" linear strobes, (2) alleys, (2) front takedown/pursuits, (2) rear flashers

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

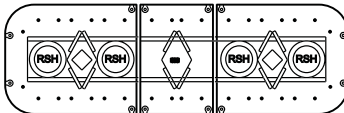
STROBE LIGHTBARS

- 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

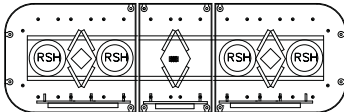
- See pages 64 - 65 for Approvals
- See pages 70-71 for Vehicle Mounting Specifications



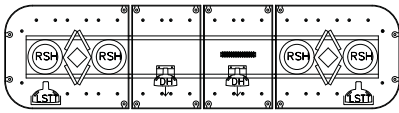
5300S



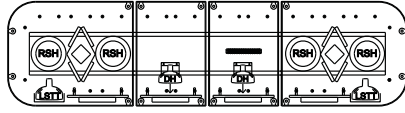
5400S



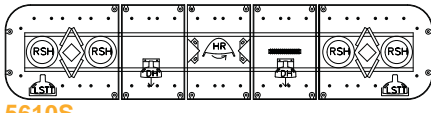
5401S



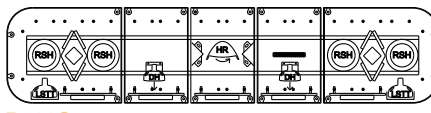
5510S



5511S



5610S

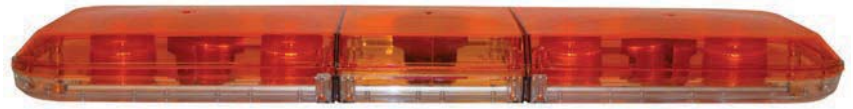


5611S

Dome Colors



Inner Dome Colors



5400S

Model Numbers

5300S 5400S 5401S 5510S 5511S 5610S 5611S

53 - 36", 54 - 46", 55 - 56", 56 - 66"

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

5401S 46", (4) 360° remote strobe heads, (2) two head strobe pack, (3) double medium V-mirrors, Amber lower LED arrow assembly

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

5511S 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, Amber lower LED directional arrow assembly

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

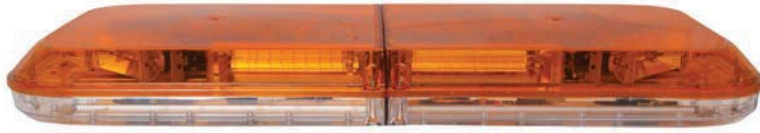
5611S 66", (4) 360° remote strobe heads, (1) halogen rotator, (2) double V-mirrors, (2) small V-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights, Amber lower LED directional arrow assembly



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

STAR SABRE®



5300SL

Model Numbers

5300SL 5510SL 5511SL 5610SL 5611SL

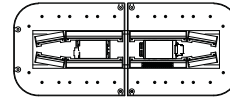
53 - 36", 55 - 56", 56 - 66", L - Linear Strobe

- 5300SL** 36", (4) 4.5" linear strobe heads, (4) 7" linear strobe heads, (2) four head strobe packs
- 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
- 5511SL** 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, Amber lower LED directional arrow assembly
- 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
- 5611SL** 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, Amber lower LED directional arrow assembly

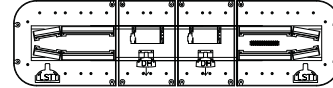
Dome Colors



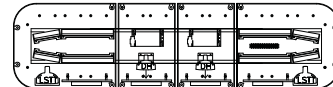
Inner Dome Colors



5300SL



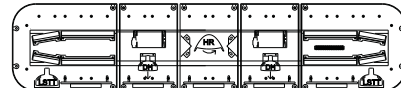
5510SL



5511SL



5610SL



5611SL

STROBE LIGHTBARS

- Under 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

STAR INTERCEPTOR®



8400S

Model Numbers

8300S 8400S 8401S 8510S 8610S

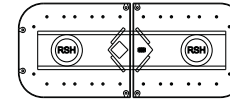
83 - 36", 84 - 46", 85 - 56", 86 - 66"

- 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
- 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

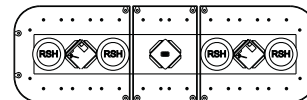
Dome Colors



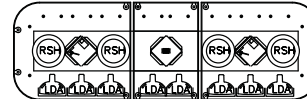
Inner Dome Colors



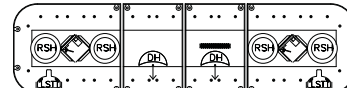
8300S



8400S



8401S



8510S



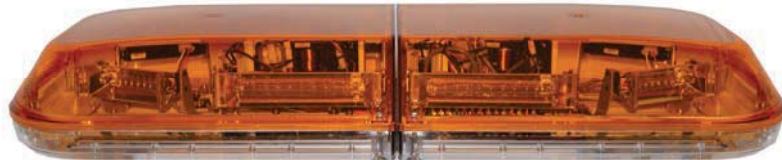
8610S

STROBE LIGHTBARS

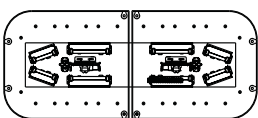
- Under 5" high
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Sloped end domes for better vehicle contour image

- 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



8300SL



8300SL



8610SL

Model Numbers

8300SL 8610SL

83 - 36", 86 - 66", L - Linear Strobe

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

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) 4 head strobe packs, (2) lower stop/tail/turn lights

STROBE LIGHTBARS

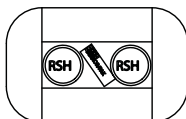
- Heavy duty aluminum extruded base will not warp, bend, or sag
- Impact resistant polycarbonate lens, providing you with one of the most durable aerodynamic shells in the industry
- Modular lens design makes any model easy to repair and a snap to reseal

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

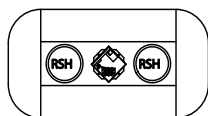
Dome Colors



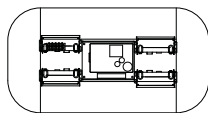
Inner Dome Colors



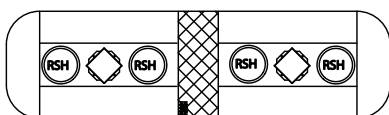
6020S



6222S



6224SL



6444S



6224SL

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) 2 head strobe pack, (1) 16" dome section, (1) double medium V-mirror

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

6444S 44", (4) 360° remote strobe heads, (2) double medium V-mirrors, (2) 2 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

STARBAR®

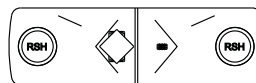


9404S

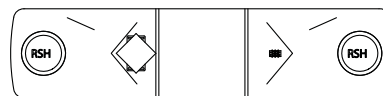
Dome Colors



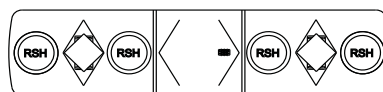
Inner Dome Colors



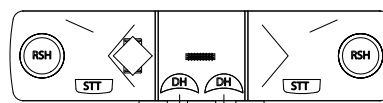
9300S



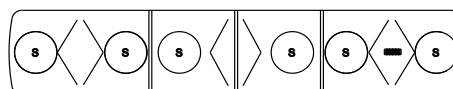
9400S



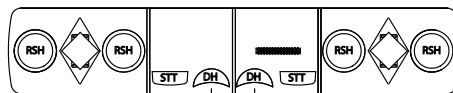
9404S



9411S



9500S



9512S

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 mount mirrors, (1) 2 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° remote strobe heads, (2) V-mirrors, (2) wall mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights, (1) two head strobe pack
- 9500S** 58", (6) 360° remote strobe heads, (2) double V-mirrors, (2) V-mirrors
- 9512S** 58", (4) 360° remote strobe heads, (2) double V-mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights, (2) two head strobe pack

SPECIFICATIONS

Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
2300SL	12V	14 amps	perm. mount	2 ¾"H x 15"W x 36"L	30	1
2400SL	12V	21 amps	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	39	1
2420SL	12V	18 amps	hook-on/perm. mount	2 ¾"H x 15"W x 46"L	39	1
2500SL	12V	21 amps	hook-on/perm. mount	2 ¾"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
5401S	12V	6 amps	hook-on/perm. mount	4"H x 15"W x 46"L	37	1
5510S	12V	12 amps	hook-on/perm. mount	4"H x 15"W x 56"L	40	1
5511S	12V	14 amps	hook-on/perm. mount	4"H x 15"W x 56"L	47	1
5510SL	12V	22 amps	hook-on/perm. mount	4"H x 15"W x 56"L	41	1
5511SL	12V	28 amps max	hook-on/perm. mount	4"H x 15"W x 66"L	48	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
5611S	12V	18 amps	hook-on/perm. mount	4"H x 15"W x 56"L	55	1
5611SL	12V	29 amps	hook-on/perm. mount	4"H x 15"W x 56"L	56	1
6020S	12V	2 amps	hook-on/perm. mount	5"H x 12 ½"W x 20"L	12	1
6222S	12V	2 amps	hook-on/perm. mount	5"H x 12 ½"W x 24"L	15	1
6224SL	12V	9 amps	hook-on/perm. mount	5"H x 12 ½"W x 24"L	17	1
6444S	12V	4 amps	hook-on/perm. mount	5"H x 12 ½"W x 44"L	27	1

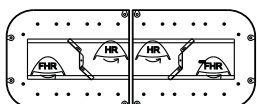
Model #	Voltage	Typical Amp Draw	Mounting	Dimensions	Weight (lbs.)	Warranty (years) Refer to page 81
8300S	12V	2 amps	perm. mount	5"H x 15"W x 36"L	27	1
8300SL	12V	14 amps	perm. mount	5"H x 15"W x 36"L	32	1
8400S	12V	4 amps	hook-on/perm. mount	5"H x 15"W x 46"L	35	1
8401S	12V	12 amps	hook-on/perm. mount	5"H x 15"W x 36"L	37	1
8510S	12V	16 amps max	hook-on/perm. mount	5"H x 15"W x 56"L	45	1
8610S	12V	20 amps max	hook-on/perm. mount	5"H x 15"W x 66"L	53	1
8610SL	12V	34 amps max	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
9404S	12V	4 amps	hook-on/perm. mount	5"H x 11"W x 48"L	30	1
9411S	12V	17 amps max	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 max	hook-on/perm. mount	5"H x 11"W x 58"L	42	1

HALOGEN LIGHTBARS

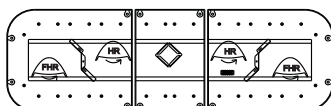
- Low profile, dual level lightbar only 4" tall
- Wider design for better light distribution allowing improved intersection clearing rotator angles and more options
- Adjustable lower level light allows optimal positioning of light output

- 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

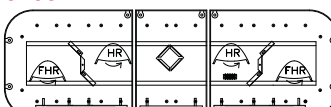
Dome Colors



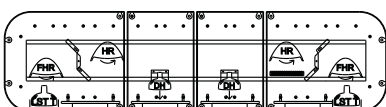
5300H



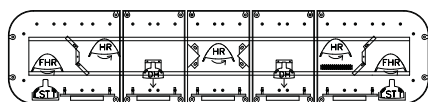
5400H



5401H



5511H



5611H



5300H

Model Numbers

5300H 5400H 5401H 5511H 5611H

53 - 36", **54** - 46", **55** - 56", **56** - 66"

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

5511H 56", (2) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights, lower LED directional arrow assembly

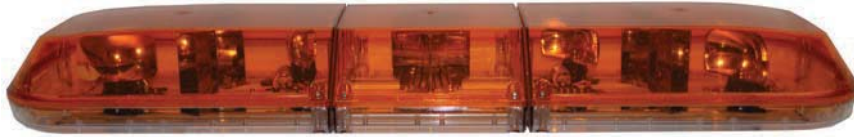
5611H 56", (3) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors, (2) small V-mirrors, (2) rear directional halogen flood lights, (2) lower stop/tail/turn lights, lower LED directional arrow assembly



HALOGEN LIGHTBARS

- Under 5" high (see page 69 for Specifications)
- 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 pages 70-71 for Vehicle Mounting Specifications

INTERCEPTOR®



8400H

Model Numbers

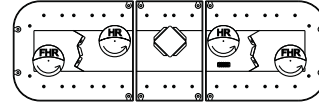
8300H 8400H 8401H 8402HSL 8510H 8521H 8610H

83 - 36", **84** - 46", **85** - 56", **86** - 66", **HSL** - Halogen and Linear Strobe

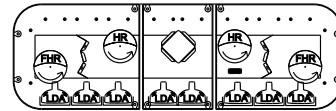
- 8300H** 36", (2) halogen rotators, (2) fast halogen rotators, (2) Z-mirrors
- 8400H** 46", (2) halogen rotators, (2) fast halogen rotators, (1) double V-mirror, (2) Z-mirrors
- 8401H** 46", (2) halogen rotators, (2) fast halogen rotators, (1) double V-mirror, (2) Z-mirrors, lower directional arrow 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) lower stop/tail/turn lights, (2) rear directional halogen flood 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) lower stop/tail/turn lights, (2) rear directional halogen flood lights



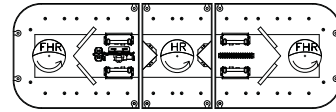
8300H



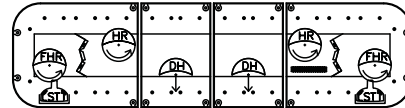
8400H



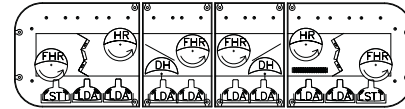
8401H



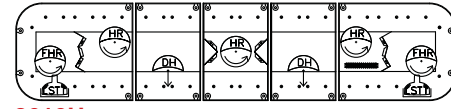
8402HSL



8510H



8521H



8610H

HALOGEN 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
- 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

AEROSTAR®



6222H

Dome Colors

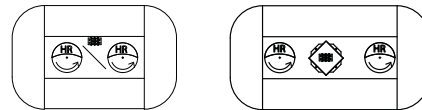


Model Numbers

6020H 6020HM 6222H 6304H 6414H 6444H

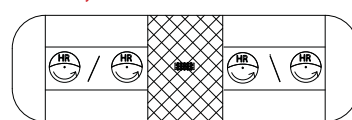
60 - 20", **62** - 24", **63** - 40", **64** - 44", **M** - Magnet mount

- 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) front flashers, (2) rear flashers, (2) wall mirrors, (2) 16" dome sections
- 6444H** 44", (4) halogen rotators, (2) double V-mirrors, (2) 16" dome sections

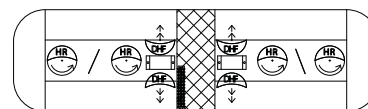


6020H, 6020HM

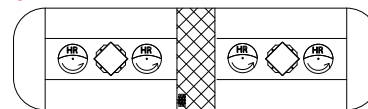
6222H



6304H



6414H

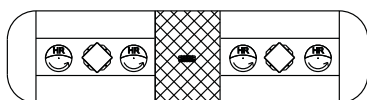


6444H

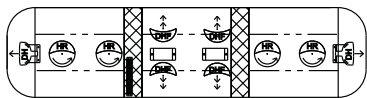
HALOGEN LIGHTBARS

- 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
- 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

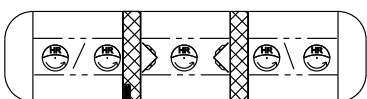
AEROSTAR®



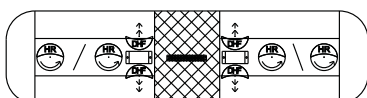
6420H



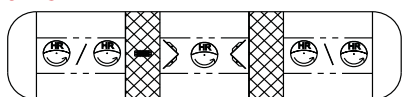
6423H



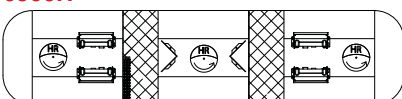
6430H



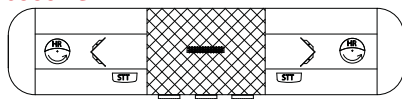
6448H



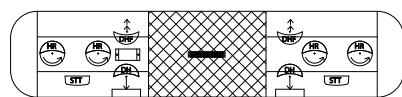
6500H



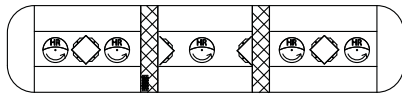
6500HSL



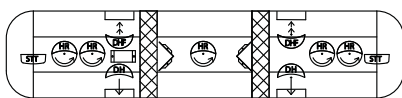
6506H



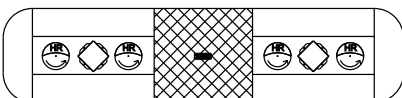
6511H



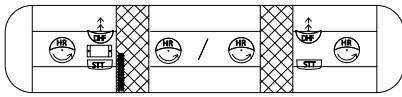
6530H



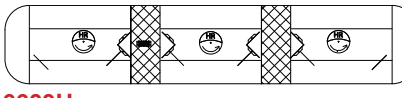
6531H



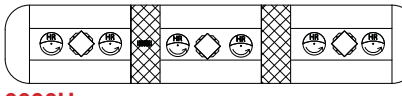
6550H



6556H



6603H



6606H

Dome Colors



6420H



6556H

Model Numbers

6420H 6430H 6500H 6506H 6530H 6550H 6603H
6423H 6448H 6500HSL 6511H 6531H 6556H 6606H

64 - 48", **65** - 52", **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
- 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
- 6506H** 52", (2) halogen rotators, (2) V-mirrors, (2) stop/tail/turn lights, (3) D.O.T. marker lights, (2) 16" end dome sections
- 6511H** 52", (4) halogen rotators, (2) rear work lights, (2) front flashers, (2) stop/tail/turn lights, (3) D.O.T. marker lights, (2) 16" end dome sections
- 6530H** 52", (5) halogen rotators, (2) V-mirrors, (2) double V-mirrors, (2) 16" dome sections, (1) 12" dome section
- 6531H** 52", (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** 52", (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

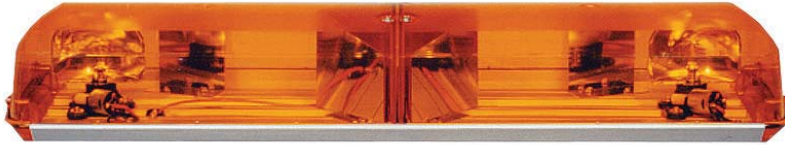
- Heavy duty aluminum extruded base will not warp, bend, or sag
- Impact resistant polycarbonate lens, providing you with one of the most durable aerodynamic shells in the industry
- Modular lens design makes any model easy to repair and a snap to reseal
- See page 69 for Specifications
- See pages 70-71 for Vehicle Mounting Specifications

STARBAR®

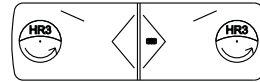


9400H

Dome Colors



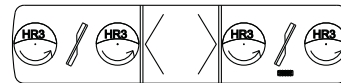
9300H



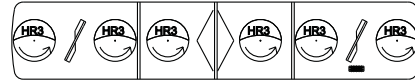
9300H



9400H



9404H



9500H

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) 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

STARBAR®



Rear View
9411H

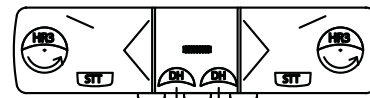
Dome Colors



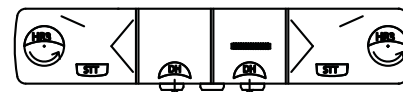
Model Numbers

9411H **9511H** **9512HS**
 4 - 48", 5 - 58", HS - Halogen and strobe

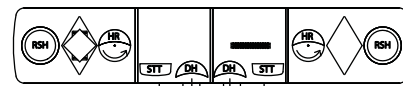
9411H	48", (2) Starbeam halogen rotators, (2) V-mirrors, (2) wall mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights
9511H	58", (2) Starbeam halogen rotators, (2) V-mirrors, (2) wall mirrors, (2) stop/tail/turn lights, (3) ID marker lights, (2) rear directional halogen flood lights
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) 2 head strobe pack



9411H



9511H



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 max	hook-on/perm. mount	4"H x 15"W x 46"L	32	1
5511H	12V	26 amps	hook-on/perm. mount	4"H x 15"W x 56"L	44	1
5611H	12V	30 amps	hook-on/perm. mount	4"H x 15"W x 56"L	52	1
6020H	12V	8 amps	perm. mount	5"H x 12 1/2"W x 20"L	12	1
6020HM	12V	8 amps	magnet	5"H x 12 1/2"W x 20"L	20	1
6222H	12V	8 amps	perm. mount	5"H x 12 1/2"W x 24"L	15	1
6304H	12V	16 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 40"L	24	1
6414H	12V	28 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 44"L	26	1
6420H	12V	16 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	25	1
6423H	12V	28 amps	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	29	1
6430H	12V	20 amps	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	33	1
6444H	12V	16 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 44"L	25	1
6448H	12V	24 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 48"L	25	1
6500H	12V	20 amps	hook-on/perm. mount	5"H x 12 1/2"W x 52"L	18	1
6500HSL	12V	30 amps	hook-on/perm. mount	5"H x 12 1/2"W x 52"L	32	1
6506H	12V	14 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	27	1
6511H	12V	34 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	31	1
6530H	12V	20 amps	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	29	1
6531H	12V	24 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	30	1
6550H	12V	16 amps	hook-on/perm. mount	5"H x 12 1/2"W x 52"L	20	1
6556H	12V	24 amps max	hook-on/perm. mount	5"H x 12 1/2"W x 56"L	30	1
6603H	12V	12 amps	hook-on/perm. mount	5"H x 12 1/2"W x 64"L	35	1
6606H	12V	24 amps	hook-on/perm. mount	5"H x 12 1/2"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 max	hook-on/perm. mount	5"H x 15"W x 56"L	42	1
8521H	12V	42 amps max	hook-on/perm. mount	5"H x 15"W x 56"L	47	1
8610H	12V	32 amps max	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 max	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 max	hook-on/perm. mount	5"H x 11"W x 58"L	42	1
9512HS	12V	25 amps max	hook-on/perm. mount	5"H x 11"W x 58"L	42	1



LIGHTBAR MOUNT KITS

CHEVROLET

Model	Style	Beginning Year	Through Year	Roof Width	Model Number
Avalanche	Wrap-around doors	2002	2013	51"	920-35-S105
C/K Pickup 1500	Wrap-around doors	1999	2010	52"	920-35-S105
C/K Pickup 2500, 3500	Wrap-around doors	2001	2010	52"	920-35-S105
Caprice	Standard roof	2011	2015	51.0"	920-35GM7
Colorado	Wrap-around doors	2004	2012	45"	920-35GM6
Impala	Wrap-around doors	2006	2013	46.5"	920-35I6
Silverado/Sierra	Wrap-around doors	2001	2013	52"	920-35-S105
Suburban	Wrap-around doors	2007	2014	55"	920-35GM5
Tahoe	Wrap-around doors	2007	2014	55"	920-35GM5
Tahoe	Wrap-around doors	2015	2015	55"	920-35GM8
Trailblazer	Wrap-around doors	2007	2009	51"	920-35-S105

DODGE

Model	Style	Beginning Year	Through Year	Roof Width	Model Number
Avenger	Wrap-around doors	2008	2013		920-35D
Charger	Wrap-around doors	2005	2007	51"	920-35M1
Charger	Wrap-around doors	2008	2015	51"	920-35CH
Dakota (Reg, Ext., Crew)	Wrap-around doors	1997	2011	48"	920-35GM
Dakota	Wrap-around doors	2006	2011	48"	920-35F
Dart	Wrap-around doors	2013	2015		920-35D
Durango	Wrap-around doors	2004	2015	48"	920-35-S105
Ram Pickup (Crew)	Wrap-around doors	2003	2007	48"	920-35RM5
Ram Pickup (Reg.)	Wrap-around doors	2003	2007	48"	920-35RM2
Ram Pickup (1500, 2500, 3500)	Wrap-around doors	2008	2015	57.5"	920-35RM3

FORD

Model	Style	Beginning Year	Through Year	Roof Width	Model Number
Crown Victoria	Wrap-around doors	1992	2011	46"	920-35CVLP
Edge	Wrap-around doors	2011	2013		920-35F3
Escape	Wrap-around doors	2010	2013		920-35F3
E-450	Wrap-around doors	2003	2009	60.5"	920-35F6
E-Series (Van)	Standard roof	1987	2007	66"	920-35
Expedition	Wrap-around doors	2003	2015	52"	920-35FT
Explorer	Wrap-around doors	2003	2015	51"	920-35D1
Interceptor (Explorer)	Wrap-around doors	2012	2015	54"	920-35F5
F-Series (150)	Wrap-around doors	2007	2015	57"	920-35F1
F-Series (250, 350, 450, 550)	Wrap-around doors	2007	2015	58.5"	920-35F2
F-Series (250, 350, 450)	Wrap-around doors	2003	2015	58.5"	920-35F9
LTD-Crown Victoria		1992	2011	46"	920-35CVLP
Taurus Interceptor (Sedan)	Wrap-around doors	2010	2015	48.5"	920-35F3

GMC

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

ISUZU

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



LIGHTBAR MOUNT KITS

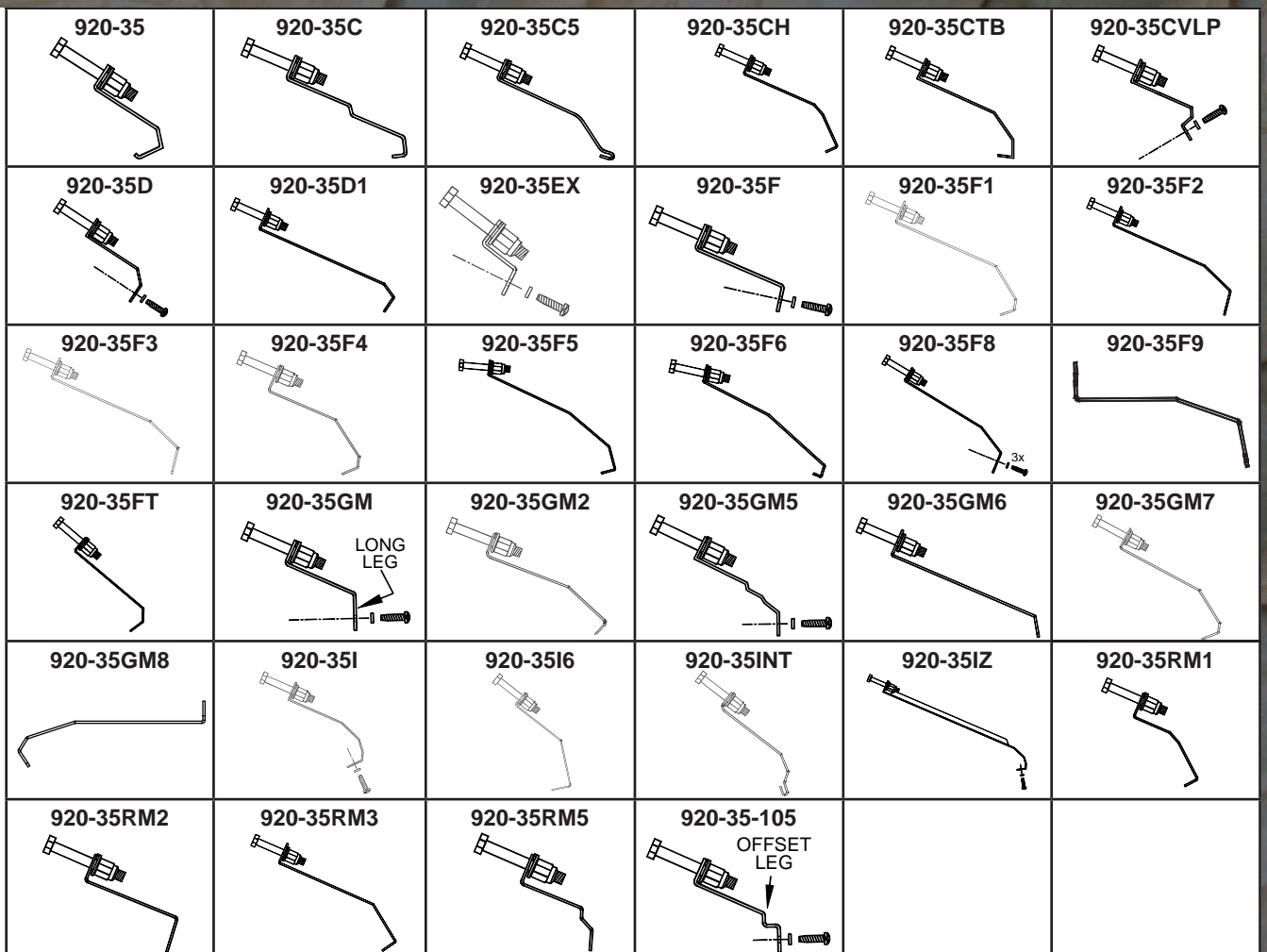
JEEP
PLYMOUTH
PONTIAC
TOYOTA

Model	Style	Beginning Year	Through Year	Roof Width	Model Number
Cherokee	Standard roof	1990	1994	53.5"	920-35
Cherokee	Standard roof	1995	2001	51.5"	920-35
Grand Cherokee	Wrap-around door	1999	2004	48"	920-35GM
Liberty	Wrap-around Door	2002	2004	46"	920-35GM

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

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

Model	Style	Beginning Year	Through Year	Roof Width	Model Number
Tundra		2004	2013		920-35F
Hilux	Wrap-around doors	2010	2015		920-35F
Tacoma	Wrap-around doors	2010	2015		920-35F



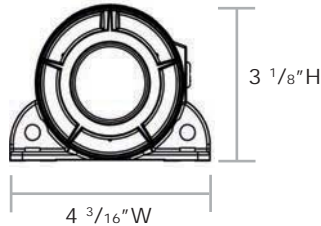
STAR ALARM® BACK-UP ALARMS

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

66 CRS



66 Series



Audio Tone	Description
Standard Beep	Standard single tone, familiar and widely recognized "reverse" tone
Dual Tone "DT"	Constant emission of sound by switching between two sounds

Functionality	Description
Dual Function "DF"	Alarm can beep in standard single tone, then by applying voltage to a third wire have the tone change to a two tone
Selectable decibel "S"	Select between two loudness levels by applying voltage to a third wire
Night Silent "NS"	Can disable the alarm by applying voltage to a third wire (required in some jurisdictions)
Auto Adjust "A"	Automatically selects its volume based on the environment within its listed operating range

Alarms with attached wire leads

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

Dual Tones

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

Starmatic Auto Adjust

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

Selectable

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

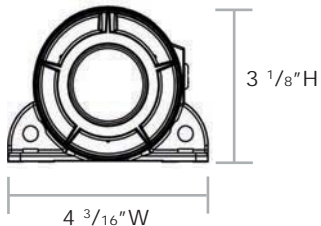
Dual Function

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

66L CRS



66L Series



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

Alarms with attached lugs only

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

Dual Tones

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

Starmatic Auto Adjust

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

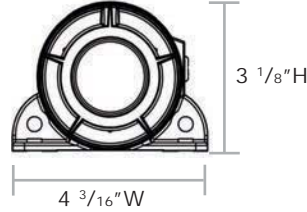
STAR ALARM® BACK-UP ALARMS

- 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
- Weight - 2 lbs.
- Amp draw - 0.3 amps
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA

Alarms with attached wire leads

Multi frequency tone

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



66 Series



Night Silent: Spectrum tone, third wire disable

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

Audio Tone

Spectrum "SS"

Description

Composite of multiple tones, also referred to as "white noise", or "multi frequency", tighter frequency range, more universally recognizable warning tone

Night Silent: third wire disable when 12V DC applied

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

Functionality

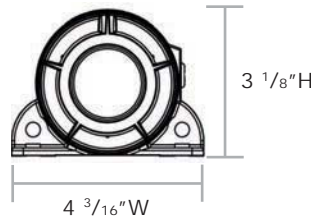
Night Silent "NS"

Description

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

Alarms with lugs only

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



66L Series



Audio Tone

Spectrum "SS"

Description

Composite of multiple tones, also referred to as "white noise", or "multi frequency", "SS" has a tighter frequency range, and more universally recognizable warning tone

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: 0.7 amps
- Voltage: 12 - 24V DC
- Three wiring options (two wire, lug, and two wire 12" cable)

Alarms with wire leads

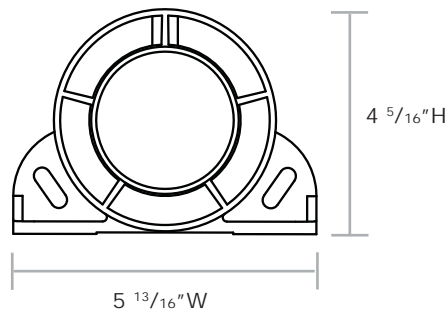
Model #	Voltage	Decibels
68-112	12 - 24V DC	112 db

With lugs only

Model #	Voltage	Decibels
68L-112	12 - 24V DC	112 db

With two 12" wire cable

Model #	Voltage	Decibels
68C-112	12 - 24V DC	112 db



68 Series



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

- Weight - 4 lbs.
- Amp draw - less than 0.7 amps
- 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

61 SERIES



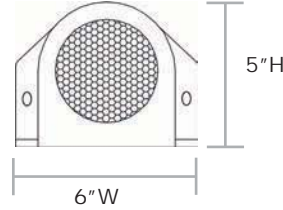
61 Series

Audio Tone Description

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

Model # Voltage Decibels

61-107-12	12V DC only	107 db
61-112	12 - 36V DC	112 db



STAR ALARM® BACK-UP ALARMS

- Heavy duty polycarbonate alarms
- Beep rate of approximately 60 per minute
- Convenient compact size
- Round hole grommet mount

- Offers an economical design with industry standard mounting
- Available in a range of decibel options perfect for a wide range of vehicle applications
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA

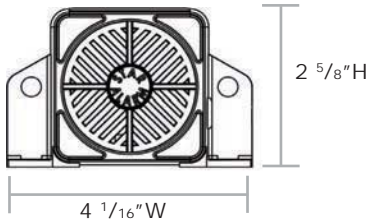
64 SERIES



64 Series

Audio Tone Description

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



Alarms with attached leads

Single Tone

Model #	Voltage	Decibels
64-087	12 - 36V DC	87 db
64-097	12 - 36V DC	97 db
64-097-12	12V DC only	97 db
64-102	12 - 36V DC	102 db
64-107-12	12V DC only	107 db
64-107-24	24V DC only	107 db

Alarms with wire lugs and self-grounding strap

Single Tone

Model #	Voltage	Decibels
64G-087	12 - 36V DC	87 db
64G-097	12 - 36V DC	97 db
64G-102	12 - 36V DC	102 db
64G-107-12	12V DC only	107 db

63 SERIES

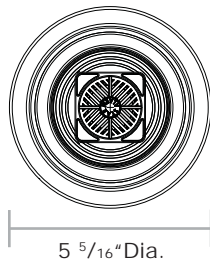


63 Series

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



Alarms with attached leads

Single Tone

Model #	Voltage	Decibels
63-087	12 - 36V DC	87 db
63-097	12 - 36V DC	97 db
63-097-12	12V DC only	97 db
63-102	12 - 36V DC	102 db
63-107-12	12V DC only	107 db
63-107-24	24V DC only	107 db

Dual Tones

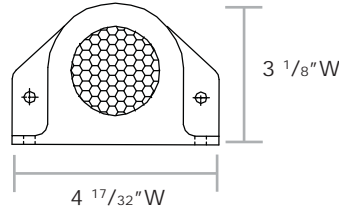
Model #	Voltage	Decibels
63-097DT	12 - 36V DC	97 db
63-102DT	12V DC only	102 db

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
- Weight - 2 lbs.
- Amp draw - 0.3 amps
- Industry standard mounting
- Decibel level: Sound pressure level should be selected based on the ambient noise of your work site and on regulations such as OSHA

Single Tone

Model #	Voltage	Decibels
60-087	12 - 36V DC	87 db
60-097	12 - 36V DC	97 db
60-102	12 - 36V DC	102 db
60-097-12	12V only	107 db
60-107-24	24V only	107 db



60 Series



Dual Tone

Model #	Voltage	Decibels
60-097DT	12 - 36V DC	97 db
60-102DT	12 - 36V DC	102 db

Audio Tone

Standard Beep

Description

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

Dual Tone "DT"

Constant emission of sound by switching between two sounds

Starmatic™ Auto Adjust

Model #	Voltage	Decibels
60-707A	12 - 24V DC	77 - 97 db
60-802A	12 - 24V DC	82 - 102 db
60-807A	12V only	87 - 107 db

Functionality

Auto Adjust "A"

Description

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

STAR ALARM® BACK-UP ALARM

- Standard stud terminal connections including self-grounding strap
- Industry standard mounting foot print

- Polarity protected
- Polycarbonate housing
- 12V DC (10 - 16V DC)

- Amp draw: 0.26 amps @ 12V DC
- SAE J994 Type C



BB6-097-10

10 pack includes individual packed white boxes with instructions



BB6-097-30

30 pack box is bulk packed with dividers and one set of instructions

- 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



60 SERIES

BB6-097*

DK SERIES

SWITCH PANELS AND SWITCH BOXES

- Switch boxes to control your Star lightbar or any other function of your choice
- All switches are illuminated
- Legends are back lit for easy night usage
- Ships complete with legends, mounting brackets, hardware, and instructions

SB4020, SB4040 KITS



SB4020



SB4020T



SB4040



SB4425T

Part Number Description

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) 3 mode 40 amps max, progressive slide switch, 2' wire harness, customer adjustable jumper (1 & 2 work independently)
SB4040-15	(4) 20 amp switch, (1) 3 mode 40 amps max, progressive slide switch, 15' wire harness
SB4425T	(1) on/off master power switch (switches 2-5), (4) 40 amp switches, (5) 20 amp switches, twelve position terminal block

Part Number Dimensions Weight

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

SB/SP1515, SB/SP3015



SB3015



SP1515

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 are equipped with individual fused circuits

Part Number Description

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

Part Number Dimensions Weight

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

SP3860 SWITCH PANELS



SP3860-1

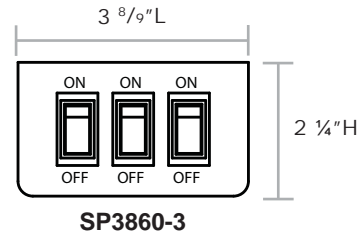


**SP3860-2
SP3860-2H**

Features

- Easily mounted under the dash
- Pre-wired, illuminating switching with an in-line fuse for easy installation

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

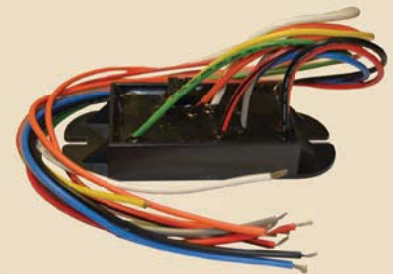
Part Number	Description
DRL366-1	Heavy duty daytime running light module with tail light output, park brake override
FM3662	12V DC solid state flasher for up to 100 watts per side Flash Rate: 2.4 flashes per second, per lamp
FM3662-24	24V DC solid state flasher for up to 100 watts per side Flash Rate: 2.0 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 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 150 watts per output Flash Rate: 1.9 flashes per second, per lamp
FM6902	12V DC solid state flasher, alternately flashes headlights, high beam override and night time cut off, handles up to 150 watts per output Flash Rate: 2.9 flashes per second, per lamp
FM6903	12V DC solid state flasher, simultaneously flashes headlights, high beam override and night time cutoff, handles up to 150 watts per output Flash Rate: 2.9 flashes per second, per lamp
FM6904	Flashes left headlight three times, flashes right headlight three times, then flashes both headlights together three times, handles up to 150 watts per output Flash Rate: 2.9 flashes per second, per lamp
FM6905	Ford Crown Victoria Police Package, 2006 and newer, 10-16V DC solid state flasher, high beam override and night time cut off, handles up to 110 watts per output, Plug-n-Play Flash Rate: 7 patterns to choose from, ranging from 0.8 to 3.6 flashes per second
FM6906	Chevrolet Impala Police Package, 2006 and newer, 12V DC solid state flasher, alternately flashes headlights, high beam override, handles up to 110 watts per output, Plug-n-Play Flash Rate: 3.0 flashes per second, per lamp
FM6907	Chevy Caprice Police Package, 2011 and newer, 12V DC solid state flasher, 110 watts per output, Plug-n-Play Flash Rate: 3.0 flashes per second, per lamp
FM6908	Headlight flasher for vehicles with isolated high beams (Chrysler product), hardwired 12V DC solid state flash, 110 watts per side Flash Rate: 7 patterns to choose from ranging from 0.8 to 3.6 flashes per second
FM6909	Chevy Tahoe Police, 2007 and newer, high beam override (disables flasher when high beams are activated), less than 10mA stand-by current, 9-16V DC input, Plug-n-Play Flash Rate: 110 watts each side (9.5 amps per side)



DRL366-1



FM3666



FM3669C



FM6904



FM6907



ACCESSORIES

ORGANIZERS, BRACKETS



- SR7** Vertical mount two unit organizer, 12 ½"H x 4 5/16"D
2 lbs.
- SR9** Vertical mount three unit organizer, 13 ½"H x 4 5/16"D
2 lbs.
- SR10** Horizontal mount three unit organizer, 7"H x 12"D
2.5 lbs.
- SR12** Horizontal mount four unit organizer, 7"H x 14"D
2.5 lbs.
- 274-RCK*** Rack for mounting multiple warning lights, (* = 48"L, 52"L, 58"L)
13 lbs.
- 274-SL** Self-leveling bracket, 11"H x 4 ¼"D
9 lbs.
Two holes on 6 ¼" centers
- 274-SL1** Self-leveling bracket for Star Mini-Bars®, 11"H x 4 ¼"D
5 lbs.
Three holes on 5 ¾" centers
- 274-LMB** L-bracket for mirror blackout, 8"H x 8"W x 8"D
2 lbs.

MOUNT BOXES

LIGHT DUTY



- 121BX** Holds (1) 6" oval head, 3 ¾"H x 9"W x 3 ½"D, 6 lbs.
- 122BX** Holds (2) 6" oval heads, 3 ¾"H x 17"W x 3 ½"D, 9 lbs.
- 123BX** Holds (3) 6" oval heads, 3 ¾"H x 25 ¼"W x 3 ½"D, 12 lbs.

Features

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

HEAVY DUTY

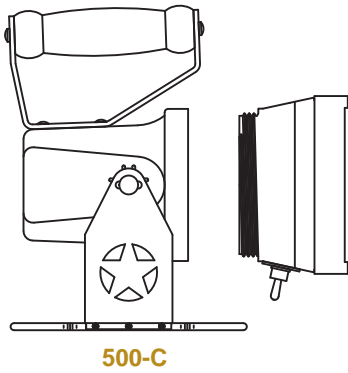


- 131BX** Holds (1) 6" oval head, 4"H x 9"W x 3 ¼"D, 2 lbs.
- 132BX** Holds (2) 6" oval heads, 4"H x 16 5/8"W x 3 ¼"D, 5 lbs.
- 133BX** Holds (3) 6" oval heads, 4"H x 25"W x 3 ¼"D, 8 lbs.
- 141BX** Holds (1) 4" round head, 6"H x 6 ¼"W x 3 ½"D, 2 lbs.
- 142BX** Holds (2) 4" round heads, 6"H x 12 ½"W x 3 ½"D, 5 lbs.
- 143BX** Holds (3) 4" round heads, 6"H x 16 ¾"W x 3 ½"D, 8 lbs.

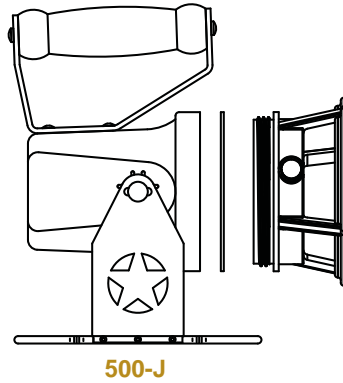
Features

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

- 63-643** Unidirectional switch for Back-Up Alarms, activates alarm in one direction only
- 63-642** Any direction switch for Back-Up Alarms, spring level activates alarm in any direction
- 500-C** Lantern, 7 1/8"H x 4 3/4"W x 6 3/4"D, 4 lbs. with battery (not included)
- 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)



500-C



500-J



63-642

63-643



500-C

500-J

WORK LIGHTS

- 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:



510-1M

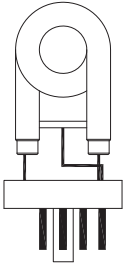
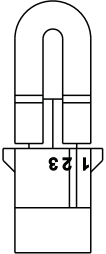

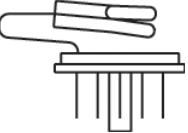
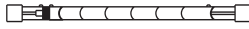
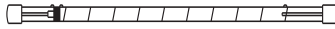
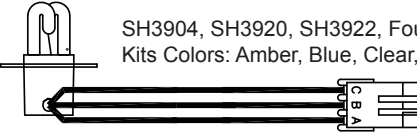
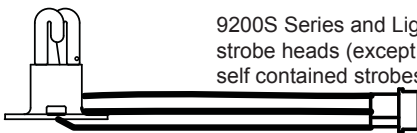







510-TK

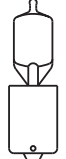
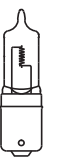
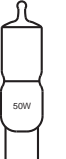
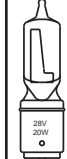


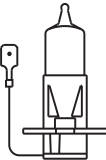
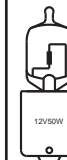

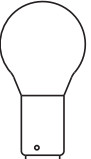
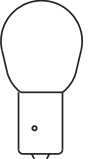
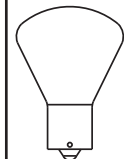


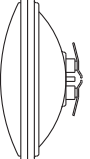
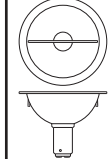


STROBE TUBE AND BULB GUIDE

STROBE TUBES

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

BULBS

 <p>2073-795X</p> <p>1166H, 20RH, 450AH, 9200H, 920-99, 920-51</p>	 <p>2073-795X58</p> <p>451AHF, 9216H, 9224H</p>	 <p>2073-797</p> <p>1169HM, 1188H, 1169H, 1169HM, 1188HM</p>	 <p>2073-H20-W24</p>
 <p>2073-H27</p> <p>1188H, 1188H, Lower level bulb for Interceptor®</p>	 <p>2073-H27-24V</p> <p>Lower level bulb, 24V for lightbars</p>	 <p>2073-H3-1 (12V) 2073-H3-2 (24V)</p> <p>12V - 505HM, 24V - 505HM</p>	 <p>2073-H50S</p> <p>Lower level bulb for the 520-99 rotator</p>
 <p>2073-H50-W24</p> <p>24V Halogen bulb 1166H, 20RH, 450AH, 9200H, 920-99, 920-51</p>	 <p>2073-1142</p> <p>TD77 Traffic Director</p>	 <p>2073-1157</p> <p>920-32 (STT)</p>	 <p>2073-1195</p> <p>1166, 20RI, 450A, 9200I</p>
 <p>2073-94</p> <p>12V bulb 20RI, 20ZI, 20ZIM, 20FI, 20FI-I</p>	 <p>2073-FTEFG</p> <p>Razor alley light</p>	 <p>2073-4411, 2073-4505, 2073-4509, 2073-7400</p> <p>12V - 400A, 400B, 24V - 400A, 400B</p>	 <p>2073-59013</p> <p>Starbar® lightbar replacement alley light bulb</p>

- Sales Policy** All Star Headlight & Lantern Co., Inc. products are sold through distributors. Possession of our catalog and/or price list does not constitute our offer to sell to or the right to purchase directly from Star Headlight & Lantern Co., Inc.
- Returns** You must contact Star Headlight & Lantern Co., Inc. prior to return any merchandise. All returns require a Return Material Authorization (RMA) number. The RMA# must be clearly marked on the package and associated paperwork. All returned merchandise is subject to inspection. Any items returned for repair that are deemed to be out of warranty are subject to parts replacement cost. If a returned item is out of warranty, the sender will be notified prior to any work being performed with an estimated cost of repair. No repairs will be done until proper authorization is obtained from the sender. Any merchandise returned for restock/credit that is not in new and sale-able condition will be returned to the distributor and no credit will be issued. All items returned for restock are subject to a 15% restocking fee.
- Installation** It is the sole responsibility of the owner to ensure their warning light is secure. Check the light every time you use the vehicle to ensure that it is mounted securely. Star Headlight & Lantern Co., Inc. assumes no responsibility for the secure mounting of this light on the roof of your vehicle with a magnet mount, take extreme care to ensure that the magnet is firmly seated on your roof, and that the pull of the magnet is sufficient to secure the light in place. As the composition of the metal in the roofs of different vehicles may vary, as well as the contour, texture and/or conditions, Star Headlight & Lantern Co., Inc. cannot guarantee the ability of any magnetically mounted light to remain in place upon a moving vehicle and it is done at the sole discretion of the owner.
- Warranty** The manufacturer warrants each new product, under normal use, against factory defects in material and workmanship for one year and five years on LED components after the date purchased. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, repair or replace at its option, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, bulbs, strobe tubes, domes, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in the manufacturer's judgment, the performance or reliability has been affected, or in any damage has resulted from abnormal use or service. This warranty does not apply to defect or damage occurring as a result of disaster, accident, abuse, misuse, lightning, power surges, or failure to follow enclosed manuals.
- Any damage or defects occurring as a result of any unauthorized service or repairs by unauthorized persons shall be excluded from this warranty. There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including the cost of any labor, are not covered. The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured. This warranty gives you specific legal rights. You might also have additional rights which may vary from state to state. Some states do not allow limitations on how long and implied warranty lasts. Some states do not allow the exclusion or limitation of incidental damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.
- Note** Bulbs and flash tubes are not covered under warranty. Speakers are not covered against water damage.



CAPABILITIES

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



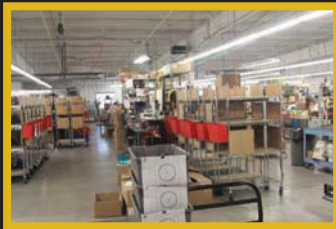
★ Barlight, LED, Mini-Bar production area



★ 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



★ Strobes, LED production area



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



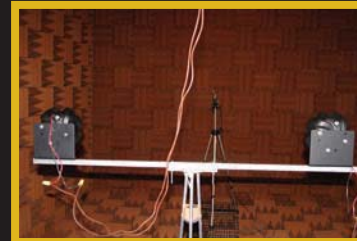
★ Thru-hole automation insertion equipment



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



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



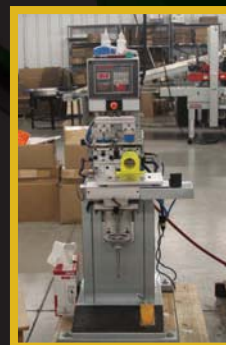
★ Anechoic Chamber certified by AMECA to test sound output for sirens, warning alarms and back-up alarms



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



★ Aluminum extrusion, Machining, Cutting, Drilling, and Tapping



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

1166HM, 1166IM	20	240HSL, 240HSL1, 240HSLM	3	5300S, 5400S, 5401S, 5510S, 5511S	61
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FM3669C, FM6901, FM6902	77	Strobe Tube and Bulb Guide	80		
FM3903, FM6904, FM6905, FM6906	77	TCS-1, TCS-1REF, TCS-2, TCS-2REF	45		
FM6907, FM6908, FM6909	77	TCS-6	45		
Halogen Lightbar Specification Chart	69	TD92-36, TD92-47	43		