# 2015 AMBER

## Professional Warning & Illumination

OFFICIAL WARNING LIGHTS OF
///NASCAR.

WHELEN®
MANUFACTURED IN AMERICA

All Whelen lenses and domes are hard-coated to minimize environmental damage from the sun, salt and road chemicals

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# Rotating Super-LED® Beacons

**WHELEN**

## R316 & R416 Series

- **SAE Class 1 Certified**
- **Medium profile, smooth polycarbonate outer dome**
- **100% solid-state electronics**
- **Conformal coated electronics for moisture and vibration resistance**
- **Cruise light feature**
- **Available in permanent, magnetic and magnetic/suction mount models**
- **Synchronizable with up to 8 other Whelen Synchronous products**
- **Available in Amber and White**
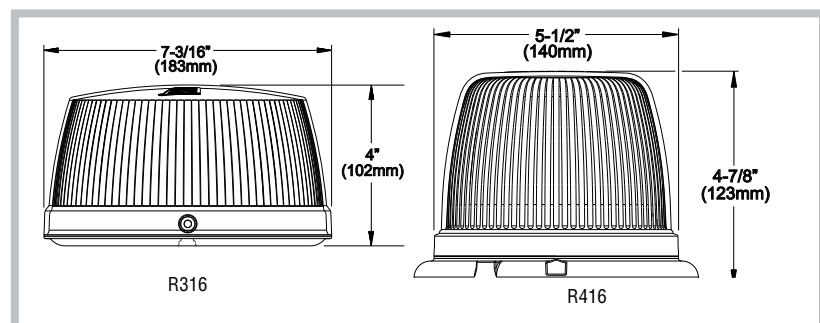- **Five year HDP® Heavy-Duty Professional warranty**

R416

R316

| Model No. | Mount | LED Color | Dome Color | Base | Amps | FPM | VDC |
|---|---|---|---|---|---|---|---|
| R316*F | permanent | single | color | powder coated cast aluminum | 2-1/4 amps at 12 VDC | 32 Scan-Lock™ with varying rotating flash rates  Includes cruise light | 12  24 available |
| R316*M | magnetic | | | | | | |
| R316*V | magnetic/suction | | | | | | |
| R316**F | permanent | split color front/rear | color | | | | |
| R316**M | magnetic | | | | | | |
| R316**V | magnetic/suction | | | | | | |
| R416*F | permanent | single | color | | | | |
| R416*M | magnetic | | | | | | |
| R416*V | magnetic/suction | | | | | | |
| R416**F | permanent | split color front/rear | Clear | | | | |
| R416**M | magnetic | | | | | | |
| R416**V | magnetic/suction | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White.
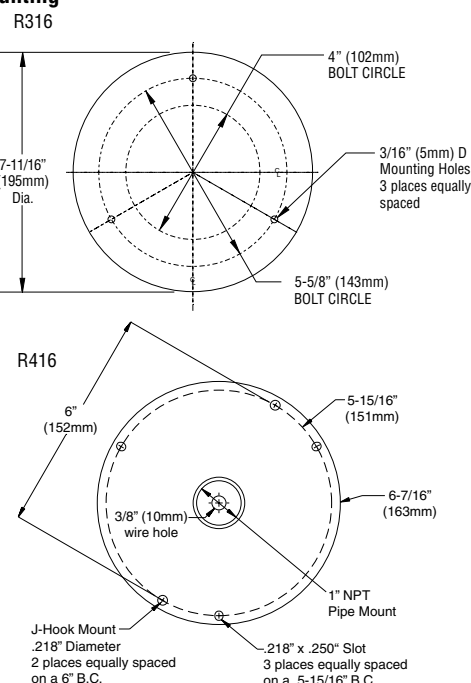
| Model No. | Option Description |
|---|---|
| BBKT20 | stainless steel shelf mount bracket |
| MIRROR20 | stainless steel West Coast mirror mount bracket |
| RPHOTO | photocell for Hi/Low power |
| L360BGB | branch guard kit for R316 |
| L40BG | branch guard kit for R416 |

| Model No. | Replacement Dome |
|---|---|
| R316 | 68-2984063-*0 |
| R416 | 68-2986501-*0 |

* Use 1 for Amber, 3 for Clear

**Mounting**

R316

4" (102mm) BOLT CIRCLE

3/16" (5mm) D Mounting Holes 3 places equally spaced

7-11/16" (195mm) Dia.

5-5/8" (143mm) BOLT CIRCLE

R416

6" (152mm)

5-15/16" (151mm)

6-7/16" (163mm)

3/8" (10mm) wire hole

1" NPT Pipe Mount

J-Hook Mount .218" Diameter 2 places equally spaced on a 6" B.C.

.218" x .250" Slot 3 places equally spaced on a 5-15/16" B.C.

7-3/16" (183mm)

4" (102mm)

R316

5-1/2" (140mm)

4-7/8" (123mm)

R416

# Super-LED® Beacons

**WHELEN**

## L31 & L32 Series

- SAE Class 1 Certified (Amber)
- L31CA models meet California Title XIII (Amber)
- Powder coated die-cast base
- Conformal coated electronics for moisture and vibration resistance
- Alternately or simultaneously flash multiple patterns (Cross-Link™) with up to 8 Whelen Super-LED 360° beacons (perm mount)
- Available in Amber and White
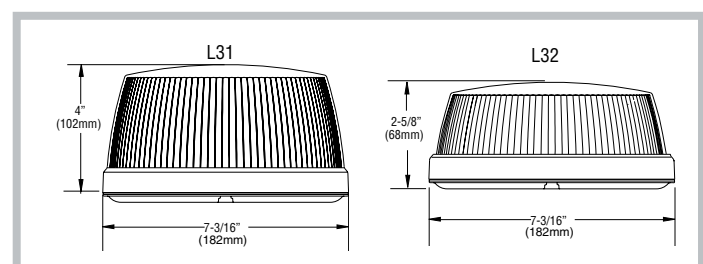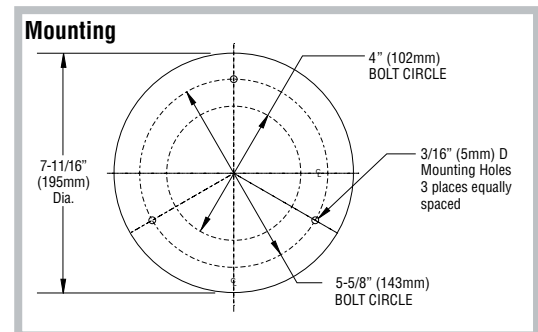- Five year HDP® Heavy-Duty Professional warranty

L31HAF

L32LAF
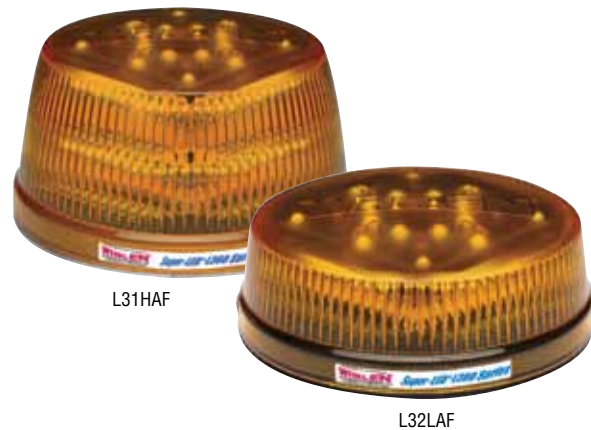
| Model No. | Mount | Profile | Base | Amps | FPM | VDC | Control | Certification |
|---|---|---|---|---|---|---|---|---|
| L31H*F | permanent | high | die cast aluminum | 2 / average 5 / peak | permanent mount 30 built-in Scan-Lock™ flash patterns plus 4 simulated rotating patterns magnetic mount 75 SignalAlert™ only | 12 | Hi/Low control | SAE Class 1 |
| L31H*M | magnetic | | | | | | - | |
| L31H*V | magnetic/suction | | | | | | - | |
| L31HAF4 | permanent | | | | | 24 | Hi/Low control | |
| L31H*FCA | permanent | | | | | 12 | Hi/Low control | California Title XIII |
| L31H*MCA | magnetic | | | | | | - | |
| L31H*VCA | magnetic/suction | | | | | | - | |
| L32L*F | permanent | low | | 1 / average 2.5 / peak | | | Hi/Low control | SAE Class 1 |
| L32L*M | magnetic | | | | | | - | |
| L32L*V | magnetic/suction | | | | | | - | |
| L32LAF4 | permanent | | | | | 24 | Hi/Low control | |

Replace symbol* in model number with desired color.  A = Amber, C = White

| Model No. | Option Description |
|---|---|
| L360PMKT | 1" NPT pipe mount kit for L31/L32 |
| L360BGB | branch guard kit for L31/L32 allows 1" NPT pole mounting |
| MIRROR20 | West Coast mirror mount brackets |
| BBKT30 | stainless steel shelf mount bracket mounts to flat vertical surface |

| Replacement Dome |
|---|
| 68-2984063-*0   (high) |
| 68-2984099-*0   (low) |

* Use 1 for Amber, 3 for Clear

BBKT30 flat vertical surface mounting bracket

MIRROR20 mirror mount brackets

### Mounting

4" (102mm) BOLT CIRCLE

3/16" (5mm) D Mounting Holes 3 places equally spaced

7-11/16" (195mm) Dia.

5-5/8" (143mm) BOLT CIRCLE

L31

4" (102mm)

7-3/16" (182mm)

L32

2-5/8" (68mm)

7-3/16" (182mm)

# Super-LED® Beacons

## L41 Series

- **SAE Class 1 Certified (Amber)**
- **Meets FAA Advisory Circular No. AC 150/5210-5D**
- **Medium profile, smooth polycarbonate outer dome**
- **Fully encapsulated for moisture, vibration and corrosion resistance**
- **Available in permanent, magnetic and magnetic/suction mounts**
- **Virtually no RFI/EMI radiation**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

L41AP

| Model No. | Mount | Base | Amps | FPM | VDC | Control |
|---|---|---|---|---|---|---|
| L41*P | permanent | cast aluminum powder coated | 1.5 peak/0.6 avg. 12 V | 75 SignalAlert™ default 25 total selectable including steady-burn | 12/24 | photocell Hi/Low on permanent mount only |
| L41*M | magnetic | | .75 peak/0.3 avg. 24V | | | contact factory |
| L41*V | magnetic/suction | | | | | |

Replace symbol* in model number with desired color.  A = Amber, C = White

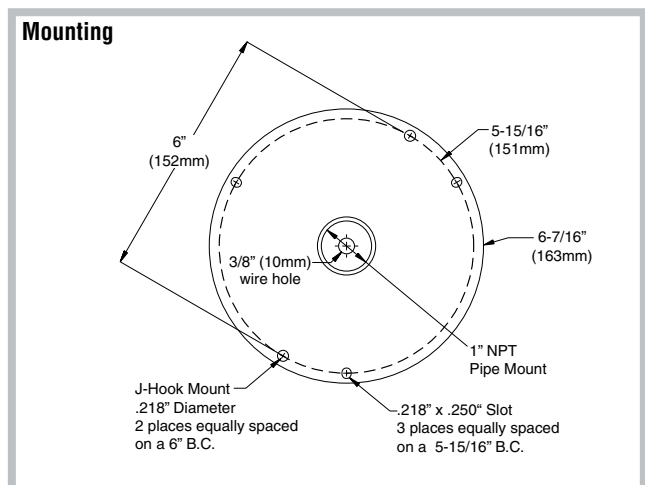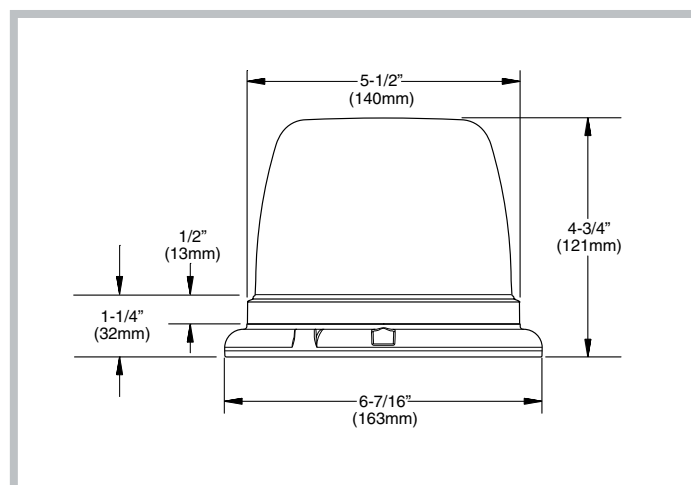| Model No. | Option Description |
|---|---|
| BBKT20 | stainless steel shelf mount bracket mounts to flat vertical surface |
| MIRROR20 | West Coast mirror mount brackets |
| L40BG | branch guard |

MIRROR20
West coast mirror mount brackets mounts directly on existing mirror brackets

L40BG branch guard.

| Replacement Dome |
|---|
| 68-2986501-*0 |

* Use 1 for Amber, 3 for Clear

5-1/2"
(140mm)

1/2"
(13mm)

1-1/4"
(32mm)

4-3/4"
(121mm)

6-7/16"
(163mm)

**Mounting**

6"
(152mm)

5-15/16"
(151mm)

3/8" (10mm)
wire hole

6-7/16"
(163mm)

1" NPT
Pipe Mount

J-Hook Mount
.218" Diameter
2 places equally spaced
on a 6" B.C.

.218" x .250" Slot
3 places equally spaced
on a 5-15/16" B.C.

# Super-LED® Beacons

# WHELEN

## L10 Series



DUO™

- SAE Class 1 Certified (Amber)
- High and low dome models
- Available in permanent, magnetic and magnetic/suction mounts
- Virtually no RFI/EMI radiation
- DUO™ technology features different color LEDs in the same module allowing individual control of each color
- Available in Amber and White and DUO Amber/White and Amber/Blue
- Five year HDP® Heavy-Duty Professional warranty

L10LAP                    L10HFP

| Model No. | Mount | Profile | Base | Amps | FPM | VDC | Color | Class |
|-----------|-------|---------|------|------|-----|-----|-------|-------|
| L10H#P | permanent/pipe/hook | high | polycarbonate | 1.0 / peak 0.4/ avg. | 24 Scan-Lock™ flash patterns and synchronize feature | 12 | DUO | Class 1 |
| L10L#P | | low | | | | | | |
| L10H*P | | high | | | 75 SignalAlert™ default pattern 18 flash patterns available | | Amber for other colors, contact factory | |
| L10H*P4 | | | | | | 24 | | |
| L10H*M | magnetic | | | | | 12 | | |
| L10H*V | magnetic/suction | | | | | | | |
| L10L*P | permanent/pipe/hook | low | | | | 12 | Amber for other colors, contact factory | |
| L10L*P4 | | | | | | 24 | | |
| L10L*M | magnetic | | | | | 12 | | |
| L10L*V | magnetic/suction | | | | | | | |

Replace symbol* in model number with desired color. A=Amber, C=White   Replace # in model number with desired DUO color. F=Amber/White, M=Amber/Blue

| Model No. | Option Description |
|-----------|-------------------|
| MIRROR20 | West Coast mirror mount bracket |
| BGH | branch guard, high dome |
| BGL | branch guard, low dome |
| BBKT20 | stainless steel shelf mount bracket, mounts to flat vertical surface |
| MMK | 90 lb. pull magnetic mount kit with 8' straight cord and plug |
| LSK | single lighted switch (15 amp rated), mounted on bracket, wired and fused |


MIRROR20 West coast mirror mount brackets mount directly on existing mirror brackets
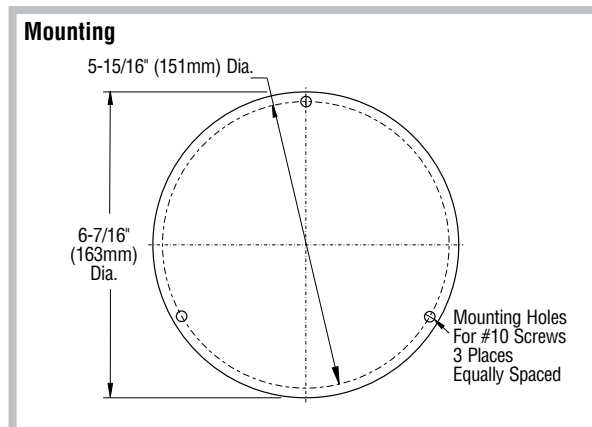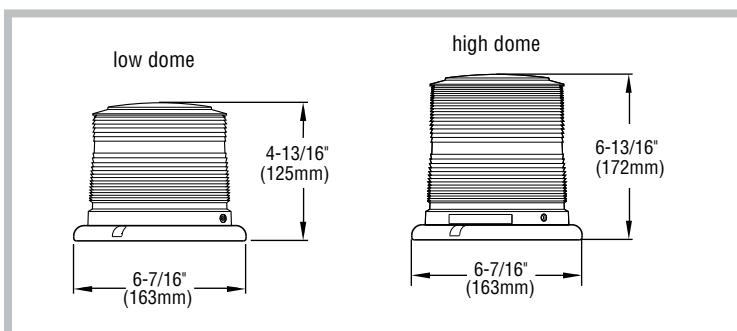

BGH branch guard

| Model No. | Replacement Dome |
|-----------|-----------------|
| DH2000* | high dome |
| DL2000* | low dome |

*Use A for Amber, C for Clear


MMK magnetic mount kit


LSK lighted switch



low dome
4-13/16" (125mm)
6-7/16" (163mm)

high dome
6-13/16" (172mm)
6-7/16" (163mm)

**Mounting**
5-15/16" (151mm) Dia.
6-7/16" (163mm) Dia.
Mounting Holes For #10 Screws 3 Places Equally Spaced

## L21 & L22 Series

- **L21 is SAE Class 1 Certified (Amber)**
  **L22 is SAE Class 2 Certified (Amber)**
- **Fully encapsulated for moisture, vibration and corrosion resistance**
- **Available in combination, magnetic and magnetic/suction mounts**
- **Virtually no RFI/EMI radiation**
- **Available in Amber and White**
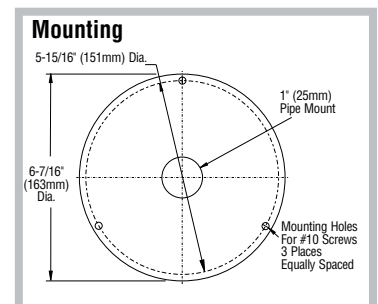- **Five year HDP® Heavy-Duty Professional warranty**

*Note: L21 & L22 magnetic and magnetic/suction mounts do not include synchronization or pattern control capabilities.*

L22HAP

L21LAM

| Model No. | Mount | Profile | Base | Amps | FPM | SYNC. | VDC | Colors | SAE |
|---|---|---|---|---|---|---|---|---|---|
| L21H*P | combination | high | poly-carbonate | 1.5 / peak 0.60 / average 12 VDC | 25 Scan-Lock patterns including steady-burn | yes | 12 | Amber & White | J845 Class 1 360° (Amber) |
| L21H*M | magnetic | | | | | - | | | |
| L21H*V | magnetic/suction | | | | | - | 24 | | |
| L21H*P4 | combination | | | | | yes | | | |
| L21L*P | combination | low | | 0.75 / peak 0.30 / average 24 VDC | | yes | 12 | | |
| L21L*M | magnetic | | | | | - | | | |
| L21L*V | magnetic/suction | | | | | - | 24 | | |
| L21L*P4 | combination | | | | | yes | | | |
| L22H*P | combination | high | poly-carbonate | 0.65 / peak 0.26 / average 12 VDC | 25 Scan-Lock patterns including steady-burn | yes | 12 | Amber & White | J845 Class 2 360° (Amber) |
| L22H*M | magnetic | | | | | - | | | |
| L22H*V | magnetic/suction | | | | | - | 24 | | |
| L22H*P4 | combination | | | | | yes | | | |
| L22L*P | combination | low | | 0.32 / peak 0.13 / average 24 VDC | | yes | 12 | | |
| L22L*M | magnetic | | | | | - | | | |
| L22L*V | magnetic/suction | | | | | - | 24 | | |
| L22L*P4 | combination | | | | | yes | | | |

Replace symbol* in model number with desired color.  A=Amber, C=White

| Model No. | Option Description |
|---|---|
| BBKT20 | stainless steel shelf mount bracket mounts to flat vertical surface |
| MIRROR20 | West Coast mirror mount brackets |
| MMK | magnetic kit with 8' cord & plug |
| BGH | branch guard, high dome |
| BGL | branch guard, low dome |
| LSK | lighted switch kit mounted on bracket, wired & fused |

Fully **ENCAPSULATED** electronics

**Mounting**

5-15/16" (151mm) Dia.

1" (25mm) Pipe Mount

6-7/16" (163mm) Dia.

Mounting Holes For #10 Screws 3 Places Equally Spaced

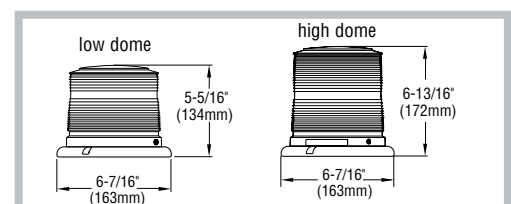| Replacement Dome |
|---|
| DH2000* (High) |
| DL2000* (Low) |

*Use A for Amber, C for Clear

BBKT20 flat vertical surface mounting bracket

MIRROR20 West Coast mirror mount brackets mount directly on existing mirror brackets

low dome
5-5/16" (134mm)
6-7/16" (163mm)

high dome
6-13/16" (172mm)
6-7/16" (163mm)

## L50 Series

- SAE Class 1 Certified (L51 Series)
- SAE Class 3 Certified (L53 Series)
- Twist-off polycarbonate dome
- Available in permanent and magnetic mount
- L51 available in Amber and White
- L53 available in Amber
- Five year HDP® Heavy-Duty Professional warranty

L51AP

L51AM

| Model No. | Mount | Base | Amps | VDC | FPM | Encap-sulated | Colors | SAE |
|---|---|---|---|---|---|---|---|---|
| L51*P | permanent | polycarbonate | 1.5 / peak 0.6 / avg | 12 | 15 Scan-Lock™ | yes | Amber & White | Class 1 |
| L51*M | magnetic | | | | | | | |
| L53AP | permanent | | 0.4 / peak 0.16 / avg | | 75 SignalAlert only | - | Amber only | Class 3 (Amber) |
| L53AM | magnetic | | | | | | | |

Replace symbol* in model number with desired color.  A = Amber, C = White
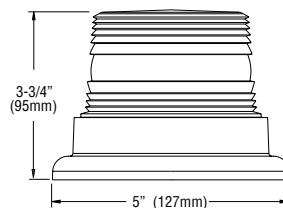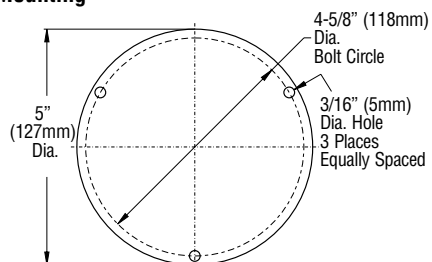
| Model No. | Option Description |
|---|---|
| MIRROR15 | West Coast mirror mount bracket |
| BBKT15 | stainless steel shelf mount bracket mounts to flat vertical surface |

BBKT15

| Replacement Dome |
|---|
| D1500* |

* Use 1 for Amber, 3 for Clear

**Mounting**

4-5/8" (118mm) Dia. Bolt Circle

3/16" (5mm) Dia. Hole 3 Places Equally Spaced

5" (127mm) Dia.

3-3/4" (95mm)

5" (127mm)

## SpitFire Plus™

- **SAE Class 1 Certified**
- LINZ6™ Super-LED interior dash and deck light
- Fully encapsulated electronics for moisture, vibration and corrosion resistance
- Includes universal bracket, windshield suction cup mount
- Includes integral hood and 10' cord with cigar plug, On/Off switch with LED "On" indicator and Scan-Lock™ pattern control switch
- Available in Amber and White
- Five year HDP® Heavy-Duty Professional warranty

SFP1A

| Model No. | Lamp | Amps | VDC | Flash Patterns | Size |
|---|---|---|---|---|---|
| SFP1* | LINZ6 Super-LED | 0.30/avg 0.75/peak | 12 | 69 | 1-9/16" (40mm) H x 3-1/2" (89mm) D x 4-3/8" (111mm) L |

Replace symbol* in model number with desired color.  A = Amber, C = White

## SpitFire ION™

- **SAE Class 1 Certified**
- ION Super-LED interior dash and deck light
- Fully encapsulated for moisture, vibration and corrosion resistance
- Includes universal bracket, windshield suction cup mount
- Includes integral hood and 8' straight cord with cigar plug, On/Off switch with LED "On" indicator and Scan-Lock pattern switch
- Available in Amber and White
- Five year HDP Heavy-Duty Professional warranty

SFIONA

| Model No. | Lamp | Amps | VDC | Flash Patterns | Size |
|---|---|---|---|---|---|
| SFION* | ION Super-LED | 0.40/avg 1/peak | 12 | 25 Scan-Lock™ | 1-5/8" (41mm) H x 3-3/8" (86mm) D x 5-1/8" (130mm) L |

Replace symbol* in model number with desired color.  A = Amber, C = White

## Avenger™

- **SAE Class 1 Certified**
- Single or dual Linear Super-LED interior light
- Snap-on polycarbonate hood
- Mounts via swivel/bail bracket with three suction cups
- AVN models include 10' cord with cigar plug with On/Off switch and pattern selection switch
- Available in Amber and White
- Five year HDP Heavy-Duty Professional warranty

AVNS2AA

AVN1A

| Model No. | Lamp | Cable | Amps | VDC | Flash Patterns | Size (with shroud) |
|---|---|---|---|---|---|---|
| AVN1* | single | cigar plug | 0.40/avg 1/peak | 12 | 27 | 2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L |
| AVN2** | dual | cigar plug | 0.80/avg 2/peak | 12 | 54 | 2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L |
| AVNS1* | single | synchronized with 4 wire pigtail | 0.40/avg 1/peak | 12 | 34 | 2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L |
| AVNS2** | dual | synchronized with 4 wire pigtail | 0.80/avg 2/peak | 12 | 69 | 2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L |

Replace symbol* in model number with desired color.  A = Amber, C = White

| Model No. | Option Description |
|---|---|
| AVNBKT1 | low profile mounting bracket for AVN1 |
| AVNBKT2 | low profile mounting bracket for AVN2 |

| Model No. | Option Description |
|---|---|
| AVNBKT3 | visor mounting bracket (2 required for dual unit) |
| AVNBKT4 | adjustable height bracket kit for all models |

## FlatLighter™

- **Visor mount interior light**
- **Includes Velcro mounting straps**
- **Includes 8' straight cord with cigar plug**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

FLLEDAA

| Model No. | Lamps | Amps | VDC | Patterns | Size |
|---|---|---|---|---|---|
| FLLED** | dual LED | 0.8 | 12 | 21 flash patterns | 4-1/2" (114mm) H x 1-1/4" (32mm) D x 13" ( 330mm) L |

Replace symbol* in model number with desired colors.  A = Amber, C = White

## SlimLighter™ Super-LED®

- **SAE Class 1 Certified**
- **Super-LED interior light**
- **Swivel bracket for permanent or suction cup mounting included**
- **Includes built-in pattern selection button, 10' straight cord w/ cigar plug and On/Off switch with LED "On" indicator**
- **Available in Amber and White**
- **Five year HDP Heavy-Duty Professional warranty**

SLPMMAA

| Model No. | Lamp | Amps | VDC | Flash Patterns | Other |
|---|---|---|---|---|---|
| SLPMM** | TIR6™ Super-LED® | 0.6/avg  1.5/peak | 12 | 21 Scan-Lock™ | 2" (52mm) H x 1-3/16" (46mm) D x 16-3/8" (416mm) L |

Replace symbol* in model number with desired color.  A = Amber, C = White

## Slim-Miser™

- **5mm LEDs for interior use**
- **Includes 10' straight cord with cigar plug, On/Off switch and LED "On" indicator**
- **Swivel mount with 3 suction cups securely hold dash light to windshield minimizing flashback**
- **Available in Amber**
- **Five year HDP Heavy-Duty Professional warranty**

SMLLAA

| Model No. | Lamp | Amps | VDC | Flash Patterns | Size |
|---|---|---|---|---|---|
| SMLLAA | LED | 0.10/avg  0.33/peak | 12 | 18 Scan-Lock | 1-5/8" (42mm) H x 2-3/4" (70mm) D x 12-7/8" (326mm) L |

## Raider™ Series

- **SAE Class 1 Certified**
- **Interior or exterior use**
- **Pairs of single units may be synchronized to each other or to other Whelen synchronizing products**
- **Dual units are synchronized together. Each lighthead has its own Scan-Lock™ wire for alternate or simultaneous flashing the two lightheads as well as pattern control**
- **Unique slide bolt housing offers versatile mounting, horizontal, vertical or even upside down**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**



Side view of housing showing slide bolt mounting on top and back

MTO

R1A

R2AA
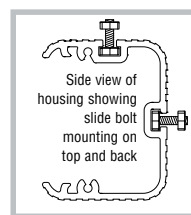
Close up of key-hole bolt access

| Model No. | Lamps | Amps | VDC | Housing | Cable | FPM | Size |
|---|---|---|---|---|---|---|---|
| R1* | single 500 Series Linear-LED® | 0.16/avg 0.4/peak | 12 | rugged extruded aluminum | 2' 4-C | 25 Scan-Lock (seven with phase 1 and phase 2, synchronization, plus eleven other patterns) | 2-3/8" (60mm) H x 1-7/8" (48mm) D x 5-1/2" (140mm) L |
| R2** | dual 500 Series Linear-LEDs | 0.32/avg 0.8/peak | | | | | 2-3/8" (60mm) H x 1-7/8" (48mm) D x 11" (280mm) L |

Replace symbol* in model number with desired color.  A = Amber, C = White

## Dominator™ & Dominator Plus™ Series

- **SAE Class 1 Certified**
- **Low profile surface mount housing designed for interior or exterior use**
- **Choice of TIR3™ or LINZ6™ modules**
- **Fully encapsulated for moisture, vibration and corrosion resistance**
- **Internal self-contained electronics**
- **Slide bolt mount**
- **Available in Amber with White end flashers on eight module units**
- **Five year HDP Heavy-Duty Professional warranty**
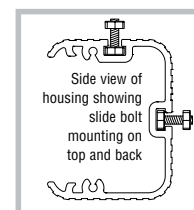
TIR3    LINZ6

MTO

DP2AA
DP4AAAA
DP600600
DP800800

| Model No. | # of Lamps | Lamp Type | Amps | VDC | Housing | Cable | Connectors | FPM | Size H x D | Length |
|---|---|---|---|---|---|---|---|---|---|---|
| D2AA | 2 | TIR3 | 0.2A/avg 0.44/peak per module | 12 | rugged extruded aluminum | 12" small dia. 4-C #20 AWG | Molex water-proof | 7 flash patterns and steady on mode  pairs may be synchronized to each other | 1-3/16" (35mm) H x 2-3/16" (55mm) D | 7" (178mm) |
| D4AAAA | 4 | | | | | | | | | 14" (356mm) |
| D6AAAAAA | 6 | | | | | | | | | 21" (533mm) |
| D800800 | 8 | | | | | | | | | 28" (711mm) |
| DP2AA | 2 | LINZ6 | 0.30/avg 0.75/peak per module | | | | | | | 7" (178mm) |
| DP4AAAA | 4 | | | | | | | | | 14" (356mm) |
| DP600600 | 6 | | | | | | | | | 21" (533mm) |
| DP800800 | 8 | | | | | | | | | 28" (711mm) |

| Model No. | Option Description |
|---|---|
| DBKT1 | suction cup mount bracket & cigar plug cord kit for D2 series, customer installed |
| DBKT3 | swivel mount bracket kit for D2 & D4 series only, customer installed |
| DBKT4 | "L" angle mounting bracket kit, customer installed |
| DBKT6 | Hatch mount bracket for 2008-2013 Chevy Tahoe, Interior mount, D8 only |



Side view of housing showing slide bolt mounting on top and back

# Super-LED® Mini Lightbars

**WHELEN**

## Responder® HD Series

■ **SAE Class 1 Certified (Amber)**
■ **Universal permanent mount version easily retrofits most competitive model footprints**
■ **Permanent bolt mount versions include 6" pigtail; magnetic mount and magnetic/suction versions include: 10' straight cord with cigar plug with LED on indicator, On/Off switch and pattern control switch**
■ **Size: 5-1/8" (130mm) H x 6-5/16" (160mm) D x 17-1/4" (438mm) L**
■ **Available in Amber and White**
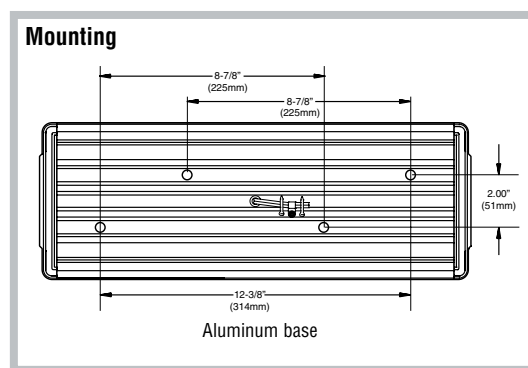■ **Five year HDP® Heavy-Duty Professional warranty**
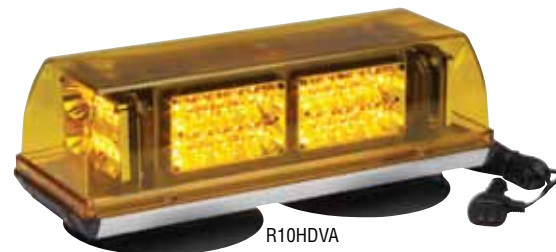
R10HDPA

R10HDVA

| Model No. | Tech-nology | Mount | Amps | Light Output | VDC | FPM | Base | SAE |
|---|---|---|---|---|---|---|---|---|
| R10HDP* | Super-LED | permanent | 9.0 peak 3.6 average | - | 12 | 12 Scan-Lock™ | Aluminum | J845 Class 1 (Amber) |
| R10HDM* | | magnetic | | | | | | |
| R10HDV* | | magnetic/suction | | | | 75 SignalAlert™ | | |

Replace symbol* in model number with desired color.  A = Amber, C = White

| Model  No. | Option Description |
|---|---|
| RDXMM90 | 90 lb. pull magnet mount kit with cigar plug |
| INSTLRDX | installation of RDXMM90 (for permanent mount only) |

| Model | Replacement Dome |
|---|---|
| R10HD | 68-1181893-*0 |

* Use 1 for Amber, 3 for Clear

**Mounting**

8-7/8" (225mm)
8-7/8" (225mm)
2.00" (51mm)
12-3/8" (314mm)

Aluminum base

# Super-LED® Mini Lightbars
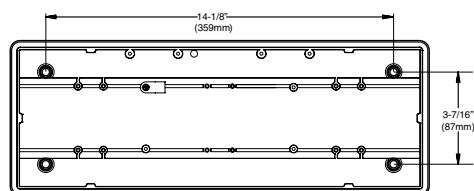
## WHELEN

## Responder® R1LP Series

- ■ **SAE Class 1 Certified (Amber)**
- ■ **Super-LED low profile conical CON3™ mini lightbar**
- ■ **Polycarbonate dome**
- ■ **Available with extruded aluminum base or polycarbonate base**
- ■ **Available in permanent, magnetic and magnetic/suction mount models**
- ■ **Available in Amber and White and DUO Amber/Blue**
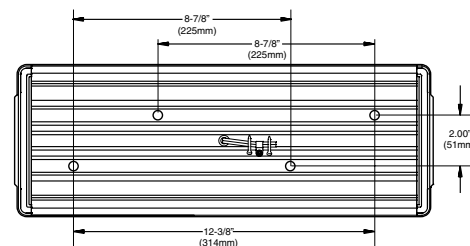- ■ **Five year HDP® Heavy-Duty Professional warranty**

R1LPPA

R1LPVF

| Model No. | Technology | Color | Dome Color | Mount | Base | Amps | VDC | FPM | Size |
|---|---|---|---|---|---|---|---|---|---|
| R1LPPA | CON3 Super-LED | Amber | Amber | permanent | poly-carbonate | 3 peak 1.2 average | 12 | 30 Scan-Lock™ patterns including 4 simulated rotating patterns (perm mount only) ActionScan™ default for magnetic mount only | 2-7/8" (74mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R1LPPCA | | | Clear | permanent | poly-carbonate | | | | |
| R1LPMA | | | Amber | magnetic | poly-carbonate | | | | |
| R1LPMCA | | | Clear | magnetic | poly-carbonate | | | | |
| R1LPVA | | | Amber | magnetic/suction | poly-carbonate | | | | |
| R1LPVCA | | | Clear | magnetic/suction | poly-carbonate | | | | |
| R1LPHPA | | | Amber | permanent | aluminum | | | | 3-1/4" (83mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R1LPHPCA | | | Clear | permanent | aluminum | | | | |
| R1LPHMA | | | Amber | magnetic | aluminum | | | | |
| R1LPHMCA | | | Clear | magnetic | aluminum | | | | |
| R1LPHVA | | | Amber | magnetic/suction | aluminum | | | | |
| R1LPHVCA | | | | magnetic/suction | aluminum | | | | |
| R1LPPF | | split color Amber/White | Clear | permanent | poly-carbonate | | | | 2-7/8" (74mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R1LPMF | | | Clear | magnetic | poly-carbonate | | | | |
| R1LPVF | | | Clear | magnetic/suction | poly-carbonate | | | | |

### Mounting

Polycarbonate base

14-1/8" (359mm)

3-7/16" (87mm)

Aluminum base

8-7/8" (225mm)

8-7/8" (225mm)

2.00" (51mm)

12-3/8" (314mm)

**WHELEN**

## Responder® R2LP Series

- ■ **SAE Class 1 Certified (Amber)**
- ■ **Super-LED low profile linear LIN6™ mini lightbar**
- ■ **Polycarbonate dome**
- ■ **Available with extruded aluminum base or polycarbonate base**
- ■ **Available in permanent, magnetic and magnetic/suction mount models**
- ■ **DUO™ technology model has different color LEDs in the same module allowing lightbar to flash different colors**
- ■ **Available in Amber and White and DUO Amber/Blue**
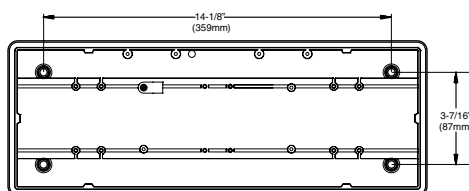- ■ **Five year HDP® Heavy-Duty Professional warranty**

R2LPHPA

R2LPMCA

DUO

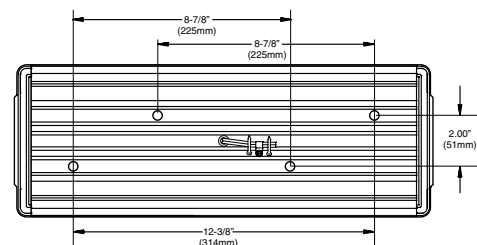RDLPPAB
shown in both
Amber and Blue
DUO modes

| Model No. | Technology | Color | Dome Color | Mount | Base | Amps | VDC | FPM | Size |
|---|---|---|---|---|---|---|---|---|---|
| R2LPPA | LIN6 Super-LED | Amber | Amber | permanent | poly-carbonate | 6 peak 2.4 average | 12 (24V available in R2LPP R2LPM models) | 30 Scan-Lock™ patterns including 4 simulated rotating patterns (perm mount only) ActionScan™ default for magnetic mount only | 2-7/8" (74mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R2LPPCA | | | Clear | | | | | | |
| R2LPMA | | | Amber | magnetic | | | | | |
| R2LPMCA | | | Clear | | | | | | |
| R2LPVA | | | Amber | magnetic/suction | | | | | |
| R2LPVCA | | | Clear | | | | | | |
| R2LPHPA | | | Amber | permanent | aluminum | | | | 3-1/4" (83mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R2LPHPCA | | | Clear | | | | | | |
| R2LPHMA | | | Amber | magnetic | | | | | |
| R2LPHMCA | | | Clear | | | | | | |
| R2LPHVA | | | Amber | magnetic/suction | | | | | |
| R2LPHVCA | | | | | | | | | |
| R2LPPF | | split color Amber/White | Clear | permanent | poly-carbonate | | | | 2-7/8" (74mm) H x 6-5/16" (160mm) D x 17" (432mm) L |
| R2LPMF | | | | magnetic | | | | | |
| R2LPVF | | | | magnetic/suction | | | | | |
| RDLPPAB | DUO LIN6 Super-LED | DUO Amber/Blue | | permanent | | | 12 | 33 Scan-Lock patterns | |

### Mounting

Polycarbonate base

14-1/8" (359mm)

3-7/16" (87mm)

Aluminum base

8-7/8" (225mm)
8-7/8" (225mm)
2.00" (51mm)
12-3/8" (314mm)

**WHELEN**

## Mini Century™ Series

- **SAE Class 1 Certified**
- **Extruded aluminum base**
- **Standard current switching with Scan-Lock™ flash patterns and pattern override**
- **Low profile with compression fit gasket for superior moisture resistance**
- **Pre-configured lightbars**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

MC11PA

MC11SA

MC16MA

MC23VA

| Model No. | Tech-nology | Inboard Modules | Mount | Amps | VDC | FPM | Dome Color | Base | Size |
|---|---|---|---|---|---|---|---|---|---|
| MC11PA | linear Super-LED corners TIR6 Super-LED inboards | 2 TIR6™ | permanent | 3.6 peak 2.2 average | 12 | 17 flash patterns | Amber | extruded aluminum platform | 2-1/2" ( 64mm) H x 7-1/2" (191mm) D x 11" (279mm) L |
| MC11MA | | | magnetic | | | | | | |
| MC11SA | | | 3/4" (19mm) stud | | | | NOTE: also available with clear domes, Use "CA" suffix or contact factory | | |
| MC16PA | | 4 TIR6 | permanent | 4.8 peak 3 average | | | | | 2-1/2" ( 64mm) H x 7-1/2" (191mm) D x 16" (406mm) L |
| MC16MA | | | magnetic | | | | | | |
| MC16VA | | | magnetic/suction | | | | | | |
| MC16SA | | | 3/4" (19mm) stud | | | | | | |
| MC23PA | | 8 TIR6 | permanent | 7.2 peak 4.4 average | | | | | 2-1/2" ( 64mm) H x 7-1/2" (191mm) D x 23" (584mm) L |
| MC23MA | | | magnetic | | | | | | |
| MC23VA | | | magnetic/suction | | | | | | |
| MC23SA | | | 3/4" (19mm) stud | | | | | | |

## Mini Justice® Series

- **SAE Class 1 Certified**
- **Super-LED CON3™ modules and Linear Super-LED corners**
- **Permanent models includes 15' cable, magnetic and magnetic/suction mount with 10' cord, cigar plug with On/Off switch with LED "On" indicator, and Scan-Lock flash pattern switch**
- **Low profile, only 2-1/4" high**
- **Available in Amber and White**
- **Five year HDP Heavy-Duty Professional warranty**

MTO

MJYAAAAM
with four optional JDCA
inboard corner modules

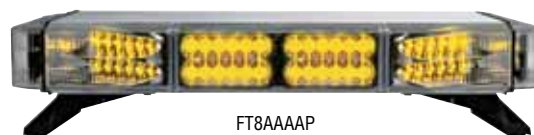| Model No. | Tech-nology | Mount | Amps | Light Output | VDC | FPM | Base | Lens | Size |
|---|---|---|---|---|---|---|---|---|---|
| MJY****P | CON3 Super-LED | permanent | 4 / peak 1.6 / avg. (4 corners only) | SAE Class 1 | 12 | 95 Scan-Lock patterns | extruded aluminum | Clear outer lens | 2-1/4" (57mm) H x 12" (304mm) D x 22" (558mm) L |
| MJY****M | | magnetic | | | | | | | |
| MJY****V | | magnetic/suction | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

| Model No. | Description |
|---|---|
| JDC* | one CON3 Super-LED module |
| JDH* | one LTR3™, Super-LED module. For use with MJTDAL only |

| Model No. | Description |
|---|---|
| MJTDALL1 | four LR11 Super-LEDs, two steady-burn take downs, and steady-burn alley lights with 15° horizontal adjustment, for permanent models only (Replaces MJTDAL) |

## Mini Freedom® Series

- **SAE Class 1 Certified**
- **Freedom models can add up to 4 additional inboard Super-LED modules, halogen work lights and alley lights**
- **Available in Amber and White**
- **Five year HDP Heavy-Duty Professional warranty**

MTO



FT8AAAAP
with optional FTDAA

| Model No. | Tech-nology | Mount | Amps | VDC | FPM | Base | Lens | Size |
|---|---|---|---|---|---|---|---|---|
| FT8****P | linear Super-LED | permanent | 4 amps | 12 | 13 Scan-Lock™ with external control | extruded aluminum I-Beam | Clear outer lens | 3-3/4" (95mm) H x 12" (304mm) D x 28-1/4" (717mm) L |
| FT8****M | | magnetic | | | SignalAlert 75 | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

| Model No. | Option Description |
|---|---|
| FTALY | two halogen alley lights for perm mount only |
| FTTD2 | two halogen work lights for perm mount only |

| Model No. | Option Description |
|---|---|
| FTD** | two 400 Series Linear Super-LED modules |
| FTD**** | four 400 Series Linear Super-LED modules |

## Mini Freedom Rotating Series

- **SAE Class 1 Certified**
- **100% solid-state Rota-Beam modules give the sweeping effect of a traditional halogen rotator without the mechanical failures and blown bulbs**
- **Color or clear lenses**
- **15' cable standard**
- **Available in Amber and White**
- **Five year HDP Heavy-Duty Professional warranty**



FB8AAAAP
with optional FRBC

MTO  ROTA BEAM

| Model No. | Tech-nology | Mount | Amps | VDC | FPM | Base | Lens | Size |
|---|---|---|---|---|---|---|---|---|
| FB8****P | rotating Super-LED | permanent standard | 4 amps | 12 | 10 flash patterns | extruded aluminum I-Beam | Clear outer lens | 3-3/4" (95mm) H x 12" (304mm) D x 28-1/4" (717mm) L |
| FB8*0*0P | rotating Super-LED forward facing | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

| Model No. | Option Description |
|---|---|
| FRB* | one Rota-Beam module for inboard, front or rear |
| FRALF1 | two LR11 Super-LED alley lights with 15° horizontal adjustment |

| Model No. | Option Description |
|---|---|
| FRALF1D | two dual LR11 Super-LED alley lights with 15° horizontal adjustment |
| FRTLS1 | two LR11 Super-LED work lights with 15° horizontal adjustment |
| FRTLS1D | two dual LR11 Super-LED work lights with 15° horizontal adjustment |

**WHELEN**

## Mini Liberty™ II Series

- **SAE Class 1 Certified**
- **Permanent mount includes low profile mounting kit**
- **Permanent mount includes 15' cable**
- **Magnetic mount includes 90 lb. pull magnets**
- **Magnetic and magnetic/suction mounts include 10' cord, cigar plug with On/Off switch with LED "On" indicator, and flash pattern switch**
- **Clear outer lenses standard (optional color lenses available)**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

IT9AAAAP
shown with optional
inboard modules

MTO

| Model No. | Technology | Mount | Amps | VDC | FPM | Base | Size |
|---|---|---|---|---|---|---|---|
| IT9****P | | permanent | | | | | |
| IT9****M | linear Super-LED | magnetic | 4.0 peak 1.6 average | 12 | 58 Scan-Lock™ patterns | extruded aluminum | 2-13/16" (71mm) H x 11-5/16" (287mm) D x 19-6/16" (490mm) L |
| IT9****V | | magnetic/suction | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

| Model No. | Option Description |
|---|---|
| IWDS* | one short Super-LED single color module |
| ITTS | two short Super-LED take-down lights, for permanent mount |

| Model No. | Option Description |
|---|---|
| ITA | two Super-LED alley lights for permanent mount |
| ITTSA | two short Super-LED take-down and alley lights for perm mount |

## Mini Legacy® Series

- **SAE Class 1 Certified**
- **Standard permanent mount model provides low power and individual control of front corner, rear corner and optional inboard modules**
- **One piece UNI-DOME construction with single sealing point**
- **Permanent mount includes 15' cable**
- **Magnetic mount includes 90 lb. pull magnets**
- **Magnetic and magnetic/suction mounts include 10' cord, cigar plug with On/Off switch with LED "On" indicator, and flash pattern switch**
- **Clear outer lenses standard (optional color lenses available)**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

GT9AAAM
shown with optional
inboard modules

MTO

| Model No. | Technology | Mount | Amps | VDC | FPM | Base | Size |
|---|---|---|---|---|---|---|---|
| GT9****P | | permanent | | | | | |
| GT9****M | linear Super-LED | magnetic | 3.72 all on 1.86 per alternating sice | 12 | 58 Scan-Lock™ patterns | extruded aluminum | 1-5/8" (41mm) H x 11-5/16" (287mm) D x 19-6/16" (490mm) L |
| GT9****V | | magnetic/suction | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

| Model No. | Option Description |
|---|---|
| GWDS* | one single color Super-LED module |
| GTTSA | two Super-LED take-down lights, for permanent mount |

| Model No. | Option Description |
|---|---|
| GTA | two Super-LED alley lights for permanent mount |
| GTTSA | two short Super-LED take-down and alley lights for permanent mount |

**WHELEN**

## Legacy® Series

*SOLO™ - One level, single color*
*DUO+™ - One level, single color or*
*            two color interleaved*

**MTO**

GS8AAAA
shown with optional inboard
modules and work lights

- **SAE Class 1 Certified**
- **High-output linear combo "Multi-Angled" corner modules produce light straight out and to the side**
- **Advanced Thermal Design reduces the stress on LEDs during extended dwell time**
- **One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions**
- **Clear outer lenses standard (optional color lenses available)**
- **Many options available; consult price list and/or WeCad™ software**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

### Legacy SOLO Series

- **Competitively priced single color lightbar**
- **Standard switching**
- **Photocell is optional**

### Legacy DUO+ WeCan® Series

- **All warning lightheads are true DUO+, whether one color or two. Each segment can be operated independently or at the same time, without loss of intensity.**
- **Plug & Play into Whelen or vehicle manufactured controllers**
- **Photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode**

*Additional models available, contact factory*

*WeCan models allow for front and rear Traffic Advisor function*

*For a complete listing of Liberty II lightbars visit www.whelen.com*

| Model No. | Tech-nology | Length | Size H x D | Mount | Inboard Lighting | Control | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| GS4**** | Legacy SOLO with 4 single color Liner-LED corner modules | 43-1/4" (110cm) | | | | | | | | |
| GS8**** | | 48" (122cm) | | | | | | | | |
| GS2**** | | 53-3/4" (136cm) | | | | | | | | |
| GB4**** | Legacy DUO+ with 4 interleaved-Liner-LED corner modules | 43-1/4" (110cm) | 2-13/16" (71mm) H x 11-5/16" (287mm) D | permanent MKEZ7 adjustable MKAJ available | Linear-LED® modules in pairs (up to 12 optional modules) | front/rear & all bar control | 12 | 58 Scan-Lock patterns | extruded aluminum top and base | Clear outer standard color lenses available |
| GB4#### | | | | | | | | | | |
| GB8**** | | 48" (122cm) | | | | | | | | |
| GB8#### | | | | | | | | | | |
| GB2**** | | 53-3/4" (136cm) | | | | | | | | |
| GB2#### | | | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White
Replace synbol # in model number with split color desired.  F = Amber/White, M = Blue/Amber

**Note:**    All lightbars require a Lightbar WeCad form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a given lightbar and the current list price for those options.
The WeCad program is available at: www.whelen.com/downloads/index.htm

# Liberty™ II Solo™ Series

- **SAE Class 1 Certified**
- **Low current, one level single color lightbar**
- **Advanced Thermal Design reduces the stress on LEDs during extended dwell time**
- **Each model has one or two sealing points, assuring lightbar integrity in all weather conditions**
- **15' passenger side exit cable**
- **Many options available; consult price list and/or WeCad software**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

MTO

IX8AAAA
shown with optional inboard
modules and work lights

*Additional models available, contact factory*

*WeCan models allow for front and rear Traffic Advisor function*

**For a complete listing of Liberty II lightbars visit www.whelen.com**

| Model No. | Tech-nology | Length | Size H x D | Mount | Inboard Lighting | Control | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| IX4**** | 4 Liner-LED corner modules | 43-1/4" (110cm) | 2-13/16" (71mm) H x 11-5/16" (287mm) D | permanent MKEZ7 Adjustable mount MKAJ available | Linear-LED® modules in pairs (up to 12 optional modules) | front/rear & all bar control | 12 | 58 Scan-Lock™ patterns | extruded aluminum top and base | Clear outer standard color lenses available |
| IX8**** | | 48" (122cm) | | | | | | | | |
| IX2**** | | 53-3/4" (136cm) | | | | | | | | |
| IG8**** | | 48" (122cm) | | | | | | | | |
| IG2**** | | 53-3/4" (136cm) | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

**Note:** All lightbars require a Lightbar WeCad form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a given lightbar and the current list price for those options.
The WeCad program is available at: www.whelen.com/downloads/index.htm

**WHELEN**

## Freedom® Series

- SAE Class 1 Certified
- Add up to 12 optional Linear Super-LED directional modules
- 15' passenger side cable, optional 25' driver side exit
- Many options available; consult price list and/or WeCad™ software
- Available in Amber and White
- Five year HDP® Heavy-Duty Professional warranty

**MTO**
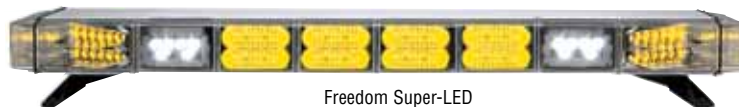
Freedom Super-LED
shown with available options

| Model No. | Tech-nology | Length | Size H x D | Lighting | Mount | Amps | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| FL4**** | Linear Super-LED | 44-3/8" (113cm) | 3-3/4" (95mm) H x 10" (254mm) D | standard corner modules | MKEZ7 permanent Adjustable mount MKAJ available | 4 / peak 1.6 / average | 12 | 75 SignalAlert™ per head (default pattern) 21 Scan-Lock™ patterns | heavy-duty extruded aluminum I-Beam | Clear outer standard, optional color available |
| FL8**** | | 49-3/4" (126cm) | | | | | | | | |
| FL2**** | | 55-1/8" (140cm) | | | | | | | | |
| FX4**** | | 44-3/8" (113cm) | | extended corner modules | | 4.92 / peak 1.97 / average | | | | |
| FX8**** | | 49-3/4" (126cm) | | | | | | | | |
| FX2**** | | 55-1/8" (140cm) | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

## Freedom Rota-Beam™ Series

- SAE Class 1 Certified
- Models include four half corner LED modules, multiple inboard options available
- 100% solid-state electronics
- Standard switching
- 20' passenger side cable
- Many options available; consult price list and/or WeCad software
- Available in Amber and White
- Five year HDP Heavy-Duty Professional warranty

**MTO**

Freedom Rotating Super-LED
shown with available options

**ROTA-BEAM**

| Model No. | Tech-nology | Length | Size H x D | Lighting | Mount | Amps per rotator | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| FR4**** | rotating Super-LED | 44-3/8" (113cm) | 3-3/4" (95mm) H x 12" (304mm) D | half module rotating | MKEZ7 permanent Adjustable mount MKAJ available | 1.3A / peak .6 / average | 12 | multiple Scan-Lock flash patterns, some with varying flash rates | heavy-duty extruded aluminum I-Beam | hard-coated Clear outer standard, optional color available |
| FR8**** | | 49-3/4" (126cm) | | | | | | | | |
| FR2**** | | 55-1/8" (140cm) | | | | | | | | |
| FR0**** | | 60" (152cm) | | | | | | | | |
| FR7**** | | 72" (183cm) | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

Note: All lightbars require a Lightbar WeCad form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a lightbar and the current list price for those options.
The WeCad program is available at: www.whelen.com/downloads/index.htm

See Page 59 for Power Control Centers and Switches

## Justice® Series

MTO

- **SAE Class 1 Certified**
- CON3™ directional modules have removable optic spreading filter
- Center section available with single Linear6™, CON3 or two LTR3™ modules (for split color center section)
- Front, rear and all bar operation control
- Easily upgraded or service in the field
- 15' passenger side exit cable
- Optional Scan-Lock™ flash patterns, low power operation and pattern override feature
- Many options available, consult price list and/or WeCad™ software
- Available in Amber and White
- Five year HDP® Heavy-Duty Professional warranty
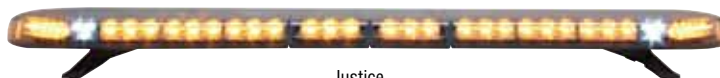
Justice
shown with optional inboard
modules and work lights

| Model No. | Tech-nology | Length | Size H x D | Mount | Inboard Lighting | Control | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| JC4**** | 4 extended Linear-LED® corners | 44" (112cm) | 2-1/4" (57mm) H x 12" (304mm) D | permanent MKEZ7 adjustable MKAJ available | optional CON3 modules | front/rear & all bar control | 12 | multiple flash patterns | Black polycarbonate on extruded aluminum platform | Clear outer standard color lenses available |
| JC8**** | | 50-1/8" (132cm) | | | | | | | | |
| JC2**** | | 56-1/4" (152cm) | | | | | | | | |
| JE4**** | 4 standard Linear-LED corners | 44" (112cm) | | | | | | | | |
| JE8**** | | 50-1/8" (132cm) | | | | | | | | |
| JE2**** | | 56-1/4" (152cm) | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

## Century™ Elite Series

MTO

- **SAE Class 1 Certified**
- Extruded aluminum platform
- Standard low current switching with multiple Scan-Lock™ flash patterns and pattern override feature
- Compression fit gaskets provide moisture resistance
- Clip-Lock™ system allows easy access to lightbar for service or upgrade
- Many options available, consult price list and/or WeCad™ software
- Available in Amber and White
- Five year HDP® Heavy-Duty Professional warranty

CE4AAAA
shown with optional work lights

| Model No. | Tech-nology | Length | Size H x D | Mount | Inboard Lighting | Control | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| CE4**** | 4 extended Linear-LED® corners | 44" (112cm) | 2-1/4" (57mm) H x 8" (207mm) D | permanent MKEZ7 adjustable MKAJ available | optional LIN12™ modules | front/rear & all bar control | 12 | multiple flash patterns | extruded aluminum platform | Clear outer standard color lenses available |
| CE8**** | | 50" (132cm) | | | | | | | | |

Replace symbol* in model number with desired color. A = Amber, C = White

Note: All lightbars require a Lightbar WeCad form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a lightbar and the current list price for those options.
The WeCad program is available at: www.whelen.com/downloads/index.htm

# Super-LED® Lightbars

**WHELEN**

## Towman's™ Series

MTO

- **SAE Class 1 Certified**
- **Front/rear warning lights are separately controlled**
- **Includes rear facing LED brake/tail/turn signals**
- **Many options available, consult price list and/or WeCad™ software**
- **Available in Amber with Red brakelights**
- **Five year HDP® Heavy-Duty Professional warranty**
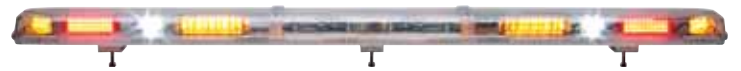
Century / CW0BAAA

Freedom / FL0TAAAA with optional FLETAA

Justice / JF0BAAAA

| Model No. | Series | Length | Size H x D | Lighting | Inboard Warning Lights | Mount | VDC | FPM | Base | Lenses |
|---|---|---|---|---|---|---|---|---|---|---|
| CW0BAAA | Century | 60" (154cm) | 2-1/4" (57mm) H x 12" (304mm) D | 4 Linear-LED corners 2 Super-LED work lights, 2 LED brake/tail/turn lights | 4 Amber Linear-LEDs (2front/2rear) | 3 adjustable slide bolts | 12 | Action-Scan™ | extruded aluminum I-Beam | color lenses standard |
| FL0TAAAA | Freedom™ | | 3-3/4" (95mm) H x 10" (254mm) D | 4 bi-level Linear-LED corners 2 halogen work lights, 2 LED brake/tail/turn lights | optional (add up to 12 linear lightheads in pairs) | | | 75 Signal-Alert™ | extruded aluminum I-Beam | Clear outer standard, color available |
| JF0TAAAA | Justice | 62-3/8" (158cm) | 2-1/4" (57mm) H x 12" (304mm) D | 4 Linear-LED corners 2 Super-LED work lights, 2 LED brake/tail/turn lights | optional* | 3 adjustable slide bolts | | Action-Scan | Black polycarbonate base on extruded aluminum platform | |
| JF0BAAAA | | | | | 6 Amber CON3* | | | | | |
| JF0DAAAA | | | | | 5 Amber CON3* & Traffic Advisor™ | | | | | |
| JF0FAAA | | | | | 16 Amber CON3s & B/T/T | | | | | |

\* Note: Can also add options

| Century Options | |
|---|---|
| **Model** | **Description** |
| CEDLXA | one LIN12, Amber |
| CDT6A | one TIR6, Amber |

| Freedom Options | |
|---|---|
| **Model** | **Description** |
| FLDSCBL | driver side cable exit |
| FLETAA | two single level TIR style lightheads, factory installed, Amber |
| FLETKAA | two single level TIR style lightheads, customer installed, Amber |
| DELFLTBT | delete brake/tail/turn lights |
| DELFLWL | delete work lights |

| Justice Options | |
|---|---|
| **Model** | **Description** |
| JDC* | one CON3 |

Replace asterisk in model number with desired color.
A = Amber, R = Red, B = Blue

# Inner Edge® XLP Series

MTO

- **SAE Class 1 Certified**
- **Extra Low Profile full featured interior lightbar designed to blend with vehicles existing interior**
- **Available in 3-LED™ and 6-LED™ DUO™ models**
- **DUO technology features different color LEDs in the same module allowing individual control of each color**
- **Easy installation to visor anchor points**
- **Requires customer supplied switches or control head, purchased separately**
- **3-LED models have additional TIR3™ and LIN3™ lens supplied to customize light dispersion**
- **Available in Amber and White**
- **Five year HDP® Heavy-Duty Professional warranty**

IX34UFX
3-LED

IW41UFX
6-LED shown in
White work light mode

| MODELS - DESCRIPTIONS - LAMP TYPE | Chevrolet | | Dodge | | Ford | | | |
|---|---|---|---|---|---|---|---|---|
| | Suburban/Tahoe 2015 Silverado 1500/2500 2014-2015 | Suburban/Tahoe 2008-2014 Silverado 1500/2500 2008-2013 | Dodge Ram 2011-2015 | Dodge Durango 2013-2015 | Explorer 2011-2015 Utility Interceptor 2013-2015 | F150 2012-2014 | F250/F350 2012-2015 | Expedition 2013-2014 |
| **UPPER FRONT SERIES - 3-LED** | | | | | | | | |
| Five lamp, upper front passenger side unit only, with one LED flashing/work light | IX45UF5P | IX13UF5P | IX42UF5P | IX44UF5P | IX34UF5P | IX41UF4P | IX39UF5P | IX08UF5P |
| Six lamps, upper front passenger side unit only (no work light) | IX45UF6P | IX13UF6P | IX42UF6P | IX44UF6P | IX34UF6P | IX41UF5P | IX39UF6P | IX08UF6P |
| Ten lamps, upper front two piece unit, individual driver and passenger side units, with two LED flashing/work lights | IX45UFZ | IX13UFZ | IX42UFZ | IX44UFZ | IX34UFZ | IX41UFZ | IX39UFZ | IX08UFZ |
| Twelve lamps, upper front two piece unit, individual driver and passenger side units (no work lights) | IX45UFX | IX13UFX | IX42UFX | IX44UFX | IX34UFX | IX41UFX | IX39UFX | IX08UFX |
| **DUO 6-LED UPPER FRONT SERIES - WeCAN™** | | | | | | | | |
| Six 6-LED DUO lamps, upper front passenger side unit only | IW45UF6P | IW13UF6P | IW42UF6P | IW44UF6P | IW34UF6P | IW41UF6P | IW39UF6P | IW08UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | IW45UFX | IW13UFX | IW42UFX | IW44UFX | IW34UFX | IW41UFX | IW39UFX | IW08UFX |
| **DUO 6-LED UPPER FRONT SERIES - LOW CURRENT** | | | | | | | | |
| Six 6-LED DUO lamps, upper front passenger side unit only | ID45UF6P | ID13UF6P | ID42UF6P | ID44UF6P | ID34UF6P | ID41UF6P | ID39UF6P | ID08UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | ID45UFX | ID13UFX | ID42UFX | ID44UFX | ID34UFX | ID41UFX | ID39UFX | ID08UFX |

## How To Order Light Module Colors

Replace symbol § with number of color LED lightheads desired. No charge with lightbar order. White is DUO default color.
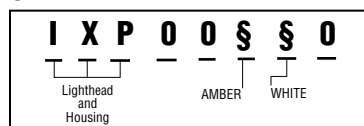For double digit numbers, use X for 12, and Z for 10

**EXAMPLES of model numbers:**
IXP00X00 = 12 Amber lightheads
IWP00600 = 6 Amber lightheads, passenger side
IWD00600 = 6 Amber lightheads, driver side

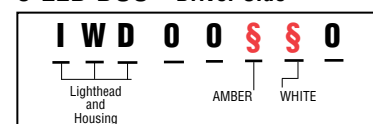**3-LED**

I X P 0 0 § § 0

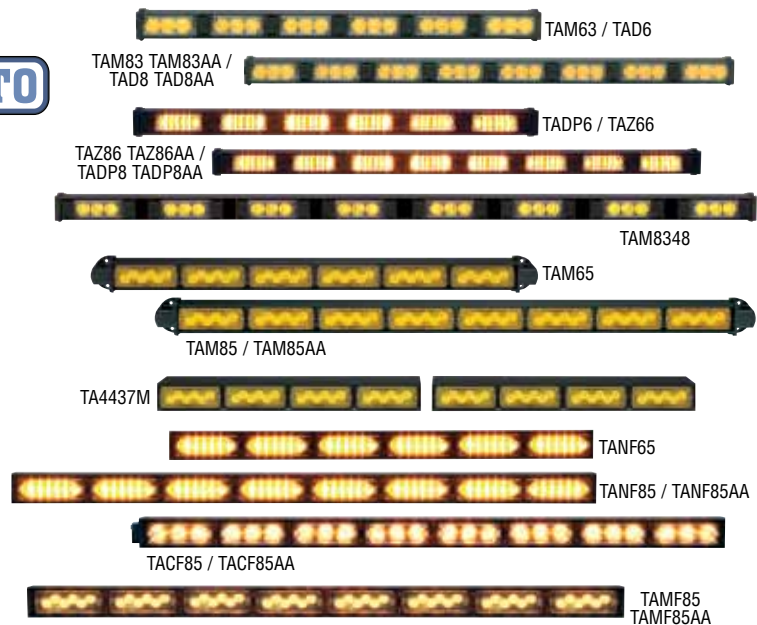Lighthead and Housing    AMBER    WHITE

**6-LED DUO - Passenger Side**

I W P 0 0 § § 0

Lighthead and Housing    AMBER    WHITE

**6-LED DUO - Driver Side**

I W D 0 0 § § 0

Lighthead and Housing    AMBER    WHITE

# Super-LED® Traffic Advisors™

**WHELEN**

## Straight Style

MTO

- 15' cable standard, extra length cables available
- Black extruded aluminum housing
- LEDs rated for thousands of hours of operation
- Includes control head (not TAD models)
- Four operating modes; left, right, split & flashing
  Rear dip switch provides 8 flash pattern choices
- Interior or exterior applications
- Available in Amber
- Five year HDP® Heavy-Duty Professional warranty

TAM63 / TAD6

TAM83 TAM83AA / TAD8 TAD8AA

TADP6 / TAZ66

TAZ86 TAZ86AA / TADP8 TADP8AA

TAM8348

TAM65

TAM85 / TAM85AA

TA4437M

TANF65

TANF85 / TANF85AA

TACF85 / TACF85AA

TAMF85 TAMF85AA

| Model No. | Technology | No.of Modules | End Flasher | Mount | Control Head | VDC | Housing | Encapsulated | Size H x D | Length |
|---|---|---|---|---|---|---|---|---|---|---|
| TAM63 | TIR3™ | 6 | - | surface mount/ slide bolt | TACTLD1 included | 12 | extreme low profile one piece | yes | 1-3/4" (44mm) H x 2-3/16" (55mm) D | 23" (58cm) |
| TAM83 | | 8 | | | | | | | | 30-7/8" (78cm) |
| TAM83AA | | | yes | | | | | | | |
| TAM8348 | | | - | | | | | | | 48" (122cm) |
| TAD6 | TIR3 Dominator™ Series | 6 | - | | requires optional TADCTL1 or customer supplied switches | | | | | 23" (58cm) |
| TAD8 | | 8 | | | | | | | | 30-7/8" (78cm) |
| TAD8AA | | | yes | | | | | | | |
| TADP6 | LINZ6™ Dominator Plus™ Series | 6 | - | | | | | | | 23" (58cm) |
| TADP8 | | 8 | | | | | | | | 30-7/8" (78cm) |
| TADP8AA | | | yes | | | | | | | |
| TAZ66 | LINZ6 | 6 | - | | TACTLD1 included | | | | | 23" (58cm) |
| TAZ86 | | 8 | | | | | | | | 30-7/8" (78cm) |
| TAZ86AA | | | yes | | | | | | | |
| TAM65 | 500 Series TIR6™ | 6 | - | surface mount / thru-bolt endcaps | | | low profile flat style one piece | | 2-7/8" (73mm) H x 2-1/4" (57mm) D | 36" (91cm) |
| TAM85 | | 8 | - | | | | | | | 46-7/8" (119cm) |
| TAM85AA | | | yes | | | | | | | |
| TA4437M | | | - | surface mount/ slide bolt | | | rectangular split 2 piece | | 2-1/2" (64mm) H x 4-7/16" (113mm) D | 22-3/4" (58cm) each piece |
| TANF65 | 500 Series Linear-LED® | 6 | - | | | | front load rectangular one piece | | 2-3/8" (60mm) H x 2-3/8" (60mm) D | 34" (86cm) |
| TANF85 | | 8 | - | | | | | | | 45-1/8" (115cm) |
| TANF85AA | | | yes | | | | | | | |
| TAMF85 | TIR6 500 Series | 8 | - | | | | | | | 46-7/8" (119cm) |
| TAMF85AA | | | yes | | | | | | | |
| TACF85 | CON3™ front load | 8 | - | | | | | | | 45-1/8" (115cm) |
| TACF85AA | | | yes | | | | | | | |

| Model No. | Description |
|---|---|
| TACTLD1 | control head only for 6 & 8 lamp LED Traffic Advisor, includes remote flash control and end lamp enable/ disable feature |
| DELTALD1 | delete TACTLD1 from 6-8 lamp LED Traffic Advisor |
| TAWPKT2 | waterproof butt splice upgrade kit for 8 lamp Traffic Advisor, factory installed |
| DBKT6 | interior hatch mount bracket for 2008-12 Chevy Tahoe for TAD8, TADP8, TAM83 and TAZ86 only |

| Model No. | Description |
|---|---|
| TADCTL1 | control head for TAD/TADP Dominator Traffic Advisor only |
| TADSW1 | On/Off non-lighted SPDT 20 amp switch for TADCTL1 Dominator control head |
| TADSW2 | On/Off/On non-lighted SPDT 20 amp switch for TADCTL1 Dominator control head |
| TANBKT1 | mount for top of vehicle for TACF85 and TANF85 horizontal mount |

TACTLD1

TADCTL1

24

**WHELEN**

## Straight Style

MTO

- **15' cable standard, extra length cables available**
- **Black extruded aluminum housing**
- **Includes control head**
- **Four operating modes; left, right, split & flashing.** Rear dip switch provides 8 flash pattern choices
- **Interior or exterior applications**
- **Available in Amber**
- **LED has five year HDP® Heavy-Duty Professional warranty, halogen has two year warranty** (excludes bulbs)

TAL65

TAL85

TA637A

TA837A

TA870L
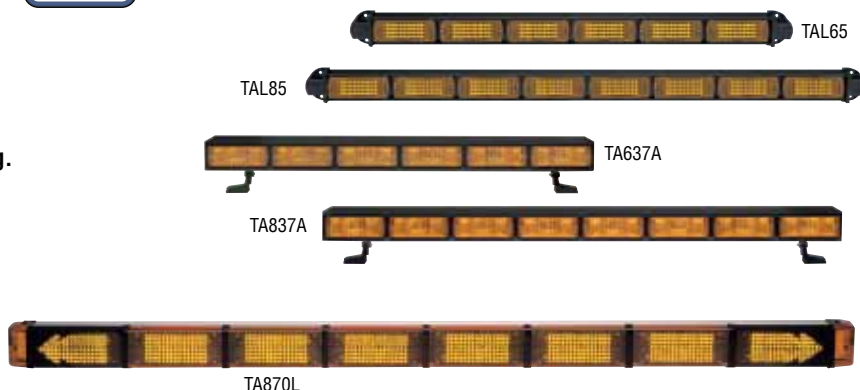
| Model No. | Tech-nology | No.of Modules | Mount | Control Head | VDC | Housing | Encap-sulated | Size H x D | Length |
|---|---|---|---|---|---|---|---|---|---|
| TAL65 | 500 Series 5mm LED | 6 | surface thru-bolt or integral fasteners on back | TACTLD1 | 12 | low profile flat style one piece | yes | 2-7/8" (73mm) H x 2-1/4" (57mm)D | 36" (91cm) |
| TAL85 | | 8 | | | | | yes | | 46-7/8" (119cm) |
| TA637A | 500 Series halogen | 6 | swivel foot | TACTRL1A | | rectangular one piece | - | 2-1/2" (64mm) H x 4-7/16" (113mm) D | 33" (84cm) |
| TA837A | | 8 | | | | | | | 44" (112cm) |
| TA870L | 700 Series 5mm LED | 8 | slide bolt | TACTLD1 | | large rectangular one piece | yes | 3-3/4" (95mm) H x 3-1/2"" (89mm) D | 6' (183cm) 7' (213cm) or 8' (244cm) available |

| Model No. | Option Description |
|---|---|
| TACTLD1 | control head for 6 & 8 lamp LED Traffic Advisor, includes remote flash control and end lamp enable /disable feature |
| TACTRL1A | control head for 6 & 8 Halogen Traffic Advisor with remote flash control & end lamp enable/disable feature |
| DELTAC1A | delete TACTALD1 from 6-8 lamp LED Traffic Advisor |

| Model No. | Halogen Substitue Cables |
|---|---|
| STAPVC30 | 30' PVC cable for TA637A & TA837A |
| STAPVC35 | 35' PVC cable for TA637A & TA837A |
| STAPVC40 | 40' PVC cable for TA637A & TA837A |
| STAPVC50 | 50' PVC cable for TA637A & TA837A |

| Model No. | Halogen Extension Cables |
|---|---|
| TAPVC15 | 15' cable for TA637A & TA837A |
| TAPVC25 | 25' cable for TA637A & TA837A |
| TAPVC35 | 35' cable for TA637A & TA837A |
| TAPVC50 | 50' cable for TA637A & TA837A |
| TATPR20 | 20' cable for TA870A & TA870L |

TACTLD1
TACTRL1A

## Arrow Style

- ■ **Sixteen lamp versions meet MUTC2009 specifications when mounted on appropriate backboard**
- ■ **Two piece models have 10' interconnect cable**
- ■ **Black extruded aluminum housing**
- ■ **LEDs rated for thousands of hours of operation**
- ■ **Four operating modes; left, right, split & flashing. Rear dip switch provides 8 flash pattern choices**
- ■ **Hi/Low intensity control**
- ■ **Custom cable lengths, contact factory**
- ■ **Available in Amber**
- ■ **LED has five year HDP® Heavy-Duty Professional warranty, halogen has two year warranty** (excludes bulbs)

TA1252L

MTO

TA1652L

TA8852H

TA1660L
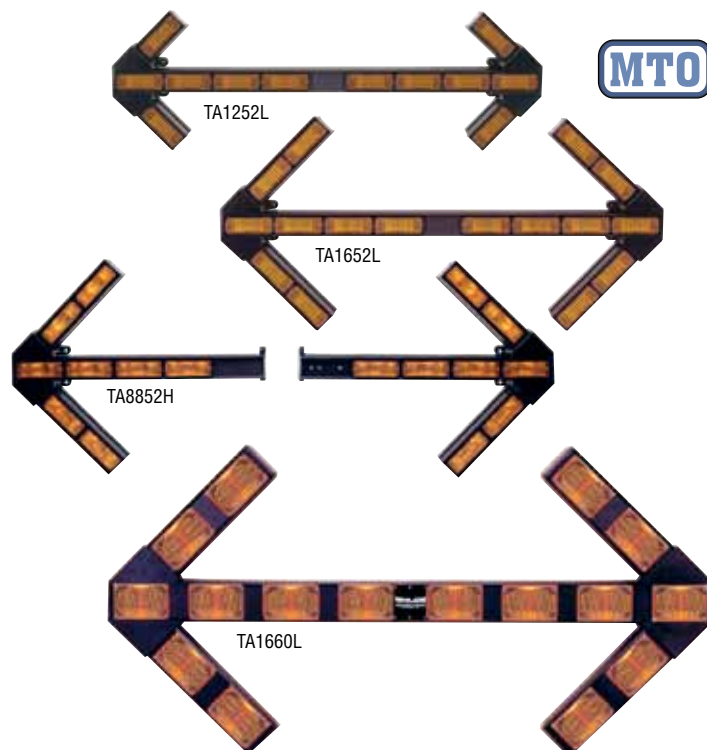
| Model No. | Tech-nology | No.of Lamps | Lamp Size | Power Cable | Mount | Control Head | VDC | Housing | Encap-sulated | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| TA1252L | 500 Series 5mm LED | 12 | 5" x 2" | 25' | surface mount/ slide bolt | TACTRL3A | 12 | one piece | yes | 16" (406mm) H x 5-1/4" (133mm) D x 48" (122cm) L |
| TA1652L | | 16 | | | | | | | | 23-1/4" (590mm) H x 5-1/4" (133mm) D x 48" (122cm) L |
| TA8852H | 500 Series halogen | | | | | | | split 2 piece | - | 23" (584mm) H x 5-1/4" (133mm) D x 27-3/4" (704mm) L (each piece) |
| TA1660L! | 600 Series 5mm LED | 16 | 6" x 4" | 40' | | TACTRL2A | | large one piece | yes | 36-1/2" (927mm) H x 4" (102mm) D x 5-1/2' (167cm) ,6' (183cm), 7' (213cm) or 8' (244cm) L |

! Indicate length desired. 5 foot, 6 foot, 7 foot or 8 foot.

| Model No. | Option Description |
|---|---|
| TACTRL3A | control head only for 16 lamp halogen/LED Traffic Advisor. non diagnostic, meets Federal standards |

TACTRL3A

## M2, M4 & M7 Series

- Patented Linear-LED® designed reflector assembly
- Hard coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws allows for easy installation
- Lens and reflector are a sealed assembly
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Meets KKK 1822F, NFPA 1901, SAE, EC65 specifications
- Includes California Title XIII compliant flash patterns
- Five-year HDP® Heavy-Duty Professional warranty

M4A with optional Chrome flange

M4VA with optional Chrome flange, shown with side view

M2A with optional grommet mount

M7A with optional Chrome flange

| Model No. | Optics | LED Color | Colors | Lens | VDC | Flasher | Patterns | Amps | Certifica-tions | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| M2* | standard warning | single color | A, W | Color | 12 | built-in | 129 Scan-Lock™ including steady-burn | 1 / peak .40 / avg | B (R/A/B) C,D (R/A/B) | 2-1/2" (64mm) H x 1" (25mm) D x 4" (102mm) L |
| M2*C | | | | Clear | | | | | | |
| M2W* | wide-angle warning | | | Color | | | | | | |
| M2W*C | | | | Clear | | | | | | |
| M4* | standard warning | | | Color | | built-in | 125 Scan-Lock | 1.5 / peak 0.6 /avg | B (A/B/W) C,D (R/A/B) | 3-3/8" (86mm) H x 1-3/8" (35mm) D x 5-1/2" (138mm) L |
| M4*C | | | | Clear | | | | | | |
| M4*S | | | | Color | | requires flasher purchased separately | - | | | |
| M4*CS | | | | Clear | | | | | | |
| M4V* | combination warning and perimeter illumination | single color warning, White illumination | | Clear | | built-in | warning has 25 Scan-Lock | warning 1.0/peak 0.40/avg perimeter 0.50 | - | 3-3/8" (86mm) H x 1-7/8" (47mm) D x 5-1/2" (138mm) L |
| M7* | standard warning | single color | | Color | | built-in | 159 Scan-Lock™ | 2.25 / peak 0.9 / avg | B (R/A/B) C (R/A/B) D | 3-3/8" (86mm) H x 1-3/8" (35mm) D x 7-5/8" (194mm) L |
| M7*C | | | | Clear | | | | | | |
| M7*S | | | | Color | | requires flasher purchased separately | - | | | |
| M7*CS | | | | Clear | | | | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White, R=Red

| Option Model No. | | | | Option  Description |
|---|---|---|---|---|
| **M2** | **M4** | **M4V** | **M7** | |
| M2FC | M4FC | M4FC | M7FC | Chrome plated flange |
| M2FB | M4FB | M4FB | M7FB | Black flange |
| - | M4BRUSH | - | M7BRUSH | Black brush guard |
| - | M4FC400 | M4FC400 | M7FC700 | Chrome flange, adapts M Series to 400 and 700 Series style lightheads |
| M2PEDB | - | - | - | Black pedestal mount kit |
| M2PEDC | - | - | - | Chrome pedestal mount kit |
| M2GROM | - | - | - | Grommet mount kit |
| - | M4CT15B | - | - | Fog position light for 2015 Chevy Tahoe, pair, Black |

M2FC    M2FB    M2PEDB    M2GROM    M4FB    M4BRUSH    M4FC400    M7FC    M7FB    M7BRUSH    M7FC700
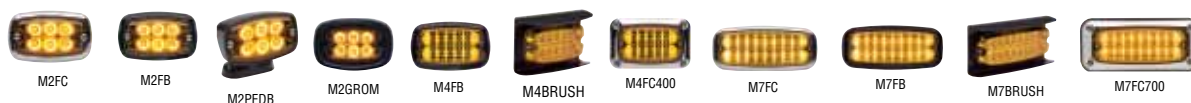
## M6 & M9 Series

- Available in warning and warning with perimeter or scenelight models
- Patented Linear-LED® designed reflector assembly
- Hard coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws allows for easy installation
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Meets KKK 1822F, NFPA 1901, SAE, and EC65 specifications
- Includes California Title XIII compliant flash patterns
- Five-year HDP® Heavy-Duty Professional warranty

M6A with optional chrome flange

M6V2A with optional Chrome flange, shown with side view

M9R with optional Chrome flange

M9V2R with Chrome flange, standard, shown with side view

| Model No. | Optics | LED Color | Colors | Lens | VDC | Flasher | Patterns | Amps | Certifica-tions | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| M6* | standard warning | single color | A, W | Color | 12 | built-in | 159 Scan-Lock | 2.25 / peak 0.9 / avg | B (R/B) C (R/A/B) | 4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L |
| M6*C | | | | Clear | | | | | | |
| M6*S | | | | Color | | requires flasher purchased separately | - | | | |
| M6*CS | | | | Clear | | | | | | |
| M6V2* | combination warning and perimeter illumination | single color warning, White illumination | | Color for warning, Clear for illumination | | built-in | warning has 25 Scan-Lock | warning 1.5/peak 0.60/avg perimeter 0.77 | B (A/B/R) C (A/B/R/W) D (A/B/R/W) | 4-5/16" (109mm) H x 2-1/4" (57mm) D x 6-3/4" (170mm) L |
| M6V2*C | | | | Clear | | | | | | |
| M9* | standard warning | single color | | Color | | built-in | 159 Scan-Lock | 3/peak 1.2/avg | B (R/B) C (R/A/B) D | 6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L |
| M9*C | | | | Clear | | | | | | |
| M9*S | | | | Color | | requires flasher purchased separately | - | | | |
| M9*CS | | | | Clear | | | | | | |
| M9V2* | combination warning and scenelight (includes chrome flange) | single color warning, White illumination | | Color for warning, Clear for illumination | | built-in | warning has 25 Scan-Lock | warning 2.4/peak 0.96/avg scenelight 2.4 amps | B (A/B/R) C (A/B/R/W) D (A/B/R/W) | 6-1/2" (165mm) H x 2-5/8" (66mm) D x 10-3/8" (263mm) L |
| M9V2*C | | | | Clear | | | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White

| Option Model No. | | | | Option Description |
|---|---|---|---|---|
| M6 | M6V2 | M9 | M9V2 | |
| M6FC | M6FC | M9FC | - | Chrome plated flange |
| M6FB | M6FB | M9FB | M9FB | Black flange |
| M6BRUSH | - | M9BRUSH | - | Black brush guard |
| M6FC600 | M6FC600 | M9FC900 | M9FC900 | Chrome flange, adapts M Series to 600 and 900 Series style lightheads |
| M6P15C | - | - | - | Chrome 15° angled surface mount housing |
| M6P15B | - | - | - | Black 15° angled surface mount housing |
| M6FCV2 | - | - | - | Chrome flange for two M6 lightheads, vertical (lightheads purchased separately) |
| M6FCV3 | - | - | - | Chrome flange for three M6 lightheads, vertical (lightheads purchased separately) |
| M6FCV4 | - | - | - | Chrome flange for four M6 lightheads, vertical (lightheads purchased separately) |

M6FB

M6FC600

M6P15C

M9FC

M9FB

M9BRUSH

M9FC900

**WHELEN**

## Vertex™ Competitor™ Super-LED®

- ■ Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- ■ Electronics built into base
- ■ Clear outer lens, color LEDs
- ■ Five year HDP® Heavy-Duty Professional warranty

VTC6A

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | FPM | Amps | Cable | Certification | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| VTC6* | warning | Super-LED | headlight or taillight surface | A, R, W | 12 | 25 Scan-Lock™ | 62mA/peak 25mA/avg | 6" pigtail | C (A/R/W) M (R/A) | 1" (26mm) H x 1-5/8" (41mm) Dia. |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red

| Option Model No. | Options Description |
|---|---|
| VTCFC | Chrome plated flange |
| VTCFB | Black flange |

VTCFB    VTCFC

## Vertex Super-LED Series

- ■ Self-contained light with in-line lamp driver
- ■ Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- ■ Fully encapsulated for moisture, vibration and corrosion resistance
- ■ Clear outer lens, color LEDs
- ■ Five year HDP Heavy-Duty Professional warranty

VTX609A    VTX609F    VTXD609*    VTX3609A

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | FPM | Amps | Cable | Certification | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| VTX609* | warning | Super-LED | headlight or taillight surface | A, R, W | 12 | 25 Scan-Lock | .750/peak .30/avg | 9' | D | 1" (26mm) H x 1-5/8" (41mm) Dia. |
| VTX609# | split warning | | | | | | | | | |
| VTXD609* | warning/side emitting shield | | | | | | | | | |
| VTXD609# | split warning/side emitting shield | | | | | | | | | |
| VTX3609* | warning/360° side emitter | | | | | | | | | |
| VTX3609# | split warning/360° side emitter | | | | | | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red
Replace symbol# in model number with letter indicating split color desired: F=Amber/White, K=Red/Amber

| Option Model No. | Options Description |
|---|---|
| VTXFC | Chrome plated flange |
| VTXFB | Black flange |

VTXFB    VTXFC

## OS™ Series

- ■ Fully encapsulated for moisture, vibration and corrosion resistance
- ■ Steady-burn requires remote flasher
- ■ Clear outer lens, color LEDs
- ■ Five year HDP Heavy-Duty Professional warranty

0SA00FCR    0SR00SCR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | FPM | Amps | Cable | Certifi-cation | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 0S*00FCR | warning | LED | surface (includes Chrome flange) | A R W | 12 | single flash | 60mA/peak  30mA/avg | 6" pigtail | - | 1" (25mm) H x 1/2" (13mm) D x 1-1/2" (48mm) L |
| 0S*00SCR | | | | | | steady | 30mA | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red

**WHELEN**

## Micro Freedom®

- Designed to be used in pairs
- Heavy-duty extruded aluminum frame with color outer lens
- Optional cable lengths available, contact factory
- Five year HDP® Heavy-Duty Professional warranty

MCFLED2*

| Model No. | Lamp Type | Tech-nology | Mount | Color | Lens | VDC | FPM | Amps in mA | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| MCFLED2A | warning | Super-LED® | includes bolt | A | Amber | 12 | 75 SignalAlert™ per light module | 3.2 | 12" pigtail | 3-3-4" (95mm) H x 10" (254mm) D x 8" (203mm) W |

| Model No. | Option Description |
|---|---|
| W441DIN | Deutsch® waterproof connector (3 pins) installed on cable |
| W442DIN | Deutsch waterproof connector (3 sockets) installed on lighthead |

## Micron™ Super-LED® Series

- Fully encapsulated for moisture, vibration and corrosion resistance
- Integrate with other Whelen products through synchronize feature
- Five year HDP Heavy-Duty Professional warranty

MCRNSA

| Model No. | Lamp Type | Tech-nology | Mount | Color | Housing Color | VDC | Amps | Patterns | Cable | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| MCRNS* | warning single color | Super-LED | surface | R,A, W | Black | 12 | 0.6 | 25 Scan-Lock™ | 6" pigtail | 7/8" (23mm) H x 7/8" (23mm) D x 4" (102mm) L |
| MCRNSC* | | | | | Chrome | | | | | |
| MCRNS# | split warning | | | A/W A/B | Black | | | | | |
| MCENSC# | | | | | Chrome | | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red
Replace symbol # in model number with letter indicating split color desired: E = Blue/White, F= Amber/White

| Option Model No. | Options Description |
|---|---|
| MCRNB1 | Black angle "L" mounting bracket |

MCRNB1

## 2G & 5G Series

- SmartLED® design requires no external flasher
- Fits all applicable industry mounting accessories
- Fully encapsulated for moisture, vibration and corrosion resistance
- Optional flange available for surface mounting
- Five year HDP Heavy-Duty Professional warranty

2GA00FAR

5GA00FAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | Lens | VDC | FPM | Amps in mA | Cable | Certification | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2GA00FAR | warning | LED | recess mount (includes vinyl grommet) | A, R | Amber | 12 | 15 Scan-Lock™ patterns | 300/avg 500/peak | 12" pigtail | D - (Class 1) C - (Class 2) | 5-1/2" (140mm) Dia. x 1-1/4" (31mm) D (with grommet) |
| 2GA00FCR | | | | | Clear | | | | | | |
| 5GA00FAR | | | | | Amber | | | | | C, D (Class 1 & 2) | 3-3/16" (81mm) H x 1-1/4" (38mm) D x 7-7/16" (189mm) L x (with grommet) |
| 5GA00FCR | | | | | Clear | | | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, R=Red

| Option Model No. 2G | 5G | Option Description |
|---|---|---|
| 2GFLANGC | 5GFLANGC | Surface mount Chrome plated flange kit |
| 2GFLANGB | 5GFLANGB | Surface mount Black flange kit |
| 2GBKT1 | 5GBKT1 | Black surface mount "L" bracket |

2GFLANGC   2GFLANGB   2GBKT1   5GFLANGC   5GFLANGB   5GBKT1

**WHELEN**

## OR™ Series

- Designed for door panel mounting
- Steady-burn requires remote flasher
- Clear outer lens, color LEDs
- Five year HDP® Heavy-Duty Professional warranty

0RA00FCR          0RR00SCR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | FPM | Amps in mA | Cable | Certifi-cation | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 0R*00FCR | warning | LED | recess for door panel | A, R | 12 | single flash | .60/peak  .30/avg | 6" pigtail | - | 3/4" (19mm) H x 1/2" (13mm) D x 3/4" (19mm) L |
| 0R*00SCR | | | | | | steady | .30 | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red

## 3"Round

- Surface mount
- Ultra thin at only 7/16" (12mm) depth
- Five year HDP® Heavy-Duty Professional warranty

3SA00FAR          3SR00FRR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps in mA | Patterns | Cable | Certification | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 3S*00F*R | 3" round warning | LED | surface mount | A, R | 12 | .50 /peak .25 amp/avg | 160 FPM | 6" pigtail | A, C, D (Class 1, 2 & 3) | 3" (76mm)Dia. |

Replace symbol* in model number with letter indicating color desired:  A=Amber, R=Red

| Option Model No. | | Options Description |
|---|---|---|
| 3" | 3-1/2" | |
| 3FLANGEC | - | Chrome plated flange |
| 3GROMMET | - | Rubber grommet kit |

3GROMMET          3FLANGEC

## 4" Round Super-LED® Series

### Flat Lens

- TIR6™ Super-LED with synchronize feature
- Supplied with adapter for PAR-36 (4-1/2") applications
- Available in Amber and White
- Five year HDP Heavy-Duty Professional warranty

### Extended Lens

- LINZ6™ Super-LED with synchronize feature
- Supplied with adapter for PAR-36 (4-1/2") applications
- Optional flasher simultaneously flashes or alternates multiple LED lightheads
- Available in Amber and White
- Five year HDP Heavy-Duty Professional warranty

2FA00ZAR, TIR6, Flat Lens          2EA00ZCR, LINZ6, Extended Lens

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Encap-sulated | Cable | Certification | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2F*00Z*R | warning flat lens | TIR6 Super-LED | surface | A, W | 12 | 0.8/max .32/avg | 25 Scan-Lock™ | yes | 6" pigtail | C, D, B (A) | 4"-1/4 (108mm) Dia. x 1-3/16" D |
| 2E*00Z*R | warning extended lens | LINZ6 Super-LED | requires optional mounting | A, W | | 2/peak 0.9 avg | 25 Scan-Lock | | | B (B/R) C, D | 4"-1/4 (108mm) Dia. x 2" D |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White

| Option Model No. | Options Description |
|---|---|
| 2GROMMET | Rubber grommet kit - not for fog mount lights |
| 2FLANGEC | Chrome flange kit - not for fog |
| 2FLANGEB | Black flange kit - not for fog |

2FLANGEC          2FLANGEB          2GROMMET

**WHELEN**

## NEW ION™ T-Series™ Super-LED®

- Extreme low profile, ultra thin lighthead
- Includes Black flange
- Fully encapsulated for moisture, vibration and corrosion resistance
- Integrate with other Whelen products through synchronize feature
- Easily mounts with 3M® VHB tape, included
- Five year HDP® Heavy-Duty Professional warranty

TIONA shown with side view

| Model No. | Lamp Type | Tech-nology | Mount | Color | Lens Color | VDC | Amps | Patterns | Cable | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| TION* | warning single color | Super-LED | surface | A, W | Clear | 12 | 0.6/peak 0.24/avg | 25 Scan-Lock™ | 4 wire 6" pigtail | 1" (25mm) H x 3/8" (9mm) D x 4-3/16" (122mm) L |

| Model No. | Option Description |
|---|---|
| TIONFC | Chrome plated flange |

## V23 Super-LED V-Series™

- 180° Wide-angle warning
- Polycarbonate construction
- Optional angled flange mount for mounting on a curved body panel of any vehicle
- Five year HDP® Heavy-Duty Professional warranty

V23ATPC          V23CTPB          Side view

| Model No. | Lamp Type | Tech-nology | Mount | Color | Housing Color | VDC | Amps | Patterns | Cable | Certifi-cation | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| V23*TPB | warning | 3-in-1 Super-LED | surface includes flange | A, W warning W illumination | Black | 12 | W = .76 A = .62 P = .12 | 25 Scan-Lock | 6" pigtail | C, D | 2-11/16 " (68mm) H x 1-1/2" (38mm) D x 4-1/4" (109mm) L |
| V23*TPC | | | | | Chrome | | | | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White

| Model No. | Option Description |
|---|---|
| V23P20B | Black angled surface mount housing |
| V23P20C | Chrome angled surface mount housing |
| V23PEDB | Black pedestal mount |
| V23PEDC | Chrome plated pedestal mount |

V23P20C          V23P20B          V23PEDB          V23PEDC

## Strip-Lite™

- Slim rectangular shape offers mounting versatility in tight spaces
- Fully encapsulated for moisture, vibration and corrosion resistance
- Easily surface mounts with two screws
- Low current consumption
- Polycarbonate construction
- Five year HDP Heavy-Duty Professional warranty

PSA00FAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| PS*00F*R | warning | LED | surface | A, W | 12 | 0.675/max 0.27/avg | 14 Scan-Lock includes steady-burn | 6" pigtail | C | 1" (25mm) H x 1-3/8" (35mm) D x 11-1/2 " (292mm) L |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White

| Model No. | Option Description |
|---|---|
| PSBKT451 | 45° mounting bracket |
| PSBKT1 | Guard for use with or without angle bracket |

PSBKT1          PSBKT451

**WHELEN**

## ION™ & ION V-Series™

- ION models available in standard or wide-angle
- ION V-Series models available in 3-in-1 combination warning, alley/flood and puddle light or in single color warning only
- Includes steady-burn, alternating and simultaneous patterns
- Integrate with other Whelen products through synchronize feature
- ION DUO™ models feature independent control of interleaved color one and color two
- ION TRIO™ models feature any combinations of interleaved color one, color two and/or color three Color three has steady-burn override
- Black, White or Chrome housing
- Five year HDP® Heavy-Duty Professional warranty

WIONA
Universal Mount

DUO  I2F
Universal Mount

TRIO  I3MC
Universal Mount

IONWA
Universal Mount

WIONSMCA
Surface Mount

IONV1A
V-Series Warning only Surface Mount

IONV3A
V-Series Surface Mount

| Model No. | Lamp Type | Tech-nology | Mount | Color | Housing Color | VDC | Amps | Patterns | Cable | Certifi-cation | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ION* | warning | ION Super-LED | universal | A, W | Black | 12 | 1/peak 0.40/avg | 25 Scan-Lock™ | 6" pigtail | B,C,D (A) | 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L |
| IONW* | | | | | White | | | | | | |
| IONM | split warning | | | split B/A | Black | | | | | C,D (W) | |
| IONWM | | | | | White | | | | | | |
| WION* | wide-angle | | | A, W | Black | | | | | B,C,D (A/B) | |
| WIONW* | | | | | White | | | | | | |
| WIONM | split wide-angle | | | split B/A | Black | | | | | C,D (W) | |
| WIONWM | | | | | White | | | | | | |
| IONSM* | warning | | surface mount, includes flange | A, W | Black | | | | | B,C,D (A/B) | 1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L |
| IONSMW* | | | | | White | | | | | | |
| IONSMC* | | | | | Chrome | | | | | | |
| IONSMM | split angle | | | split B/A | Black | | | | | C,D (W) | |
| I0NSMWM | | | | | White | | | | | | |
| WIONSM* | wide-angle | | | A, W | Black | | | | | B,C,D (A/B) | |
| WIONSMW* | | | | | White | | | | | | |
| WIONSMC* | | | | | Chrome | | | | | | |
| WIONSMM | split wide-angle | | | split B/A | Black | | | | | C,D (W) | |
| WIONSMWM | | | | | White | | | | | | |
| IONV3* | 3-in 1 lighthead with warning alley, and puddle light | ION V-Series Super-LED | universal | A, W warning with W alley and puddle lighting | Black | | Warning lights: 0.765, Alley lights: 0.31, Puddle light: 0.12. | | | C,D | 1" (25mm) H x 2-316" (56mm) D x 4-1/16" (104mm) L |
| IONV3*W | | | | | White | | | | | | |
| IONSV1* | | | surface mount, includes flange | | Black | | | | | | 1-11/16" (43mm) H x 2" (50mm) D x 5-15/16" (150mm) L |
| IONSV1*W | | | | | White | | | | | | |
| IONSV3* | | | | | Black | | | | | | |
| IONSV3*W | | | | | White | | | | | | |
| IONSV3*C | | | | | Chrome | | | | | | |
| IONV1* | single color warning only | ION V-Series with TIR directional lights | universal | A, W | Black | | 1.147 | | | | 1" (25mm) H x 2-3/16" (56mm) D x 4-1/16" (104mm) L |
| IONV1*W | | | | | White | | | | | | |
| IONSV1* | | | surface mount, includes flange | | Black | | | | | | 1-11/16" (43mm) H x 2" (50mm) D x 5-15/16" (150mm) L |
| IONSV1*W | | | | | White | | | | | | |
| IONSV1*C | | | | | Chrome | | | | | | |
| I2# | warning | DUO | universal | A/W B/A | Black | | 1/peak 0.4/avg per color | 64 | | B,C,D (A) | 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L |
| I3MC | | TRIO | | B/A/W | Black | | | 25 | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, B=Blue, C=White, R=Red. Replace symbol # with: F=Amber/White, M=Blue/Amber

| Model No. | Option Description |
|---|---|
| IONK1W | Swivel mount bracket, White |
| IONK1B | Swivel mount bracket, Black |
| IONGROM | Grommet mount kit |
| IONPEDB | Black pedestal mount |

| Model No. | Option Description |
|---|---|
| IONPEDC | Chrome plated pedestal mount |
| IONBKT1 | License plate bracket for 2 lights |
| IONBKT4 | Rear hatch bracket for 2013-15 Ford Interceptor Utility for 2 lights |
| IONBKT5 | Universal mount, reversed, remove screws without removing light |

IONK1W

IONK1B

IONGROM

IONPEDB

IONPEDC

IONBKT1

IONBKT5

**WHELEN**

## TIR3™, LIN3™, LINZ6™ & LINV2™

- Includes Black polycarbonate mounting flange
- Fully encapsulated for moisture, vibration and corrosion resistance
- Integrate with other Whelen products through synchronize feature
- Includes steady-burn, alternating and simultaneous patterns
- Split LINZ6 will alternate or simultaneous flash each color segment (3x3)
- LINV2 offers combination 180° warning and puddle light with Scan-Lock™ warning flash patterns
- Five year HDP® Heavy-Duty Professional warranty

RSA03ZCR

RSA02ZCR

LINSV2A

RVA03ZCR

LINZ6A

LINV2A

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Encap-sulated | Cable | Certification | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RS*03ZCR | warning | TIR3 Super-LED | horizontal, surface | R, A, W | 12 | 0.40/peak 0.16/avg | 25 Scan-Lock™ | yes | 6" pigtail | B (R) C (A) D | 1-1/8" (28mm) H x 1-1/4" (32mm) D x 3-1/2" (89mm) L |
| RV*03ZCR | | | vertical surface | | | | | | | | |
| RS*02ZCR | | LIN3 Super-LED | horizontal, surface | | | | | | | C (A/R/W) D | |
| LINZ6* | | LINZ6 Super-LED | | | | 0.75/peak 0.30/avg | 69 Scan-Lock | | | B (A/B/R) C D (Class 1) | 2" (48mm) H x 1-5/8" (40mm) D x 4" (102mm) L |
| LINZ61 | split warning | Split LINZ6 Super-LED | | split A/A | | | | | | | |
| LINV2* | combination warning and puddle light | LINV2 Super-LED | horizontal, surface | A, W | | 0.75/ warning 0.12/ puddle | 25 Scan-Lock | | | C, D (A) | 1-1/2" (40mm) H x 1-5/8" (42mm) D x 3-7/8" (98mm) L |
| LINSV2* | | | under surface mounting | | | | | | | | 1-1/8" (28mm) H x 2-13/16" (71mm) D x 2-7/8" (73mm) L |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White, R=Red

| Model No. | Model | Option Description |
|---|---|---|
| RFLANGEC | TIR3 LIN3 LINZ6 LINV2 | Chrome plated flange kit |
| RFLANGCD | | Deep Chrome plated flange kit |
| RFLANGEA | | Cast aluminum flange kit |
| RFLANG2C | | Chrome plated flange for dual lightheads |
| RFLANG2B | | Black flange for dual lightheads |
| RGROMMET | | Grommet mount kit except LINV2 |
| RBKT1 | | Mounting bracket for one lighthead |
| RBKT2 | | Mounting bracket for two lightheads |
| RBKT5 | | Under sideview mirror bracket |
| RBKT6 | | License plate bracket for 2 lightheads-horizontal |
| RBKT7 | | License plate bracket for 2 lightheads-vertical |
| RBKT11 | | Above rear taillight bracket for Ford F-150 |

| Model No. | Model | Option Description |
|---|---|---|
| RBKT12 | TIR3 LIN3 LINZ6 LINV2 | Above rear taillight bracket, Ford F-250/350/450/550 |
| RBKT13 | | Above rear taillight bracket, Chevy Silverado |
| RBKT14 | | Above rear taillight bracket, Chevy Silverado/GMC 1500 |
| RBKT15 | | Below rear taillight bracket, Ford F-150 |
| RBKT8B | | Black fender mount, Freightliner 2 or International, pair |
| RBKT8C | | Chrome fender mount, Freightliner 2 or International, pair |
| RBKT4 | TIR3/LIN3 LINV2 | Swivel mounting bracket for one lighthead |
| LINZ6FC | LINZ6 | Deep Chrome plated flange kit |
| L6BKT5 | | Under sideview mirror bracket |
| LIN4KIT | | Convert LINZ6 to mount LIN4 location |

RFLANGEC

RFLANGEA

RFLANG2C

RFLANG2B

RGROMMET

LINZ6FC

RBKT1

RBKT2

RBKT4

RBKT5

RBKT6

RBKT7

RBKT8C

**WHELEN**

## 400 Super-LED® Series

- ■ Available with Clear or color lens, V-Series™ has Clear lens only
- ■ NEW V-Series has 3-in-1 combination warning, alley/flood and ground illuminating puddle light
- ■ Available with or without internal flasher
- ■ Single level is surface mount
- ■ Single level models include Scan-Lock™ flash patterns with steady-burn, and synchronize feature
- ■ Dual level has individual control of upper and lower level
- ■ Dual level requires LED flasher and optional mounting, purchased separately (not to be used as steady-burn light)
- ■ Five year HDP® Heavy-Duty Professional warranty

40A02ZCR

40AA5SCR

4V3A

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 40**5SCR | dual level warning | Linear Super-LED | requires optional mounting | A, W | 12 | 1.8/peak 0.72/avg | requires optional flasher | 6" pigtail | C W | 3-3/16" (77mm) H x 2" (50mm) D x 4-15/16" (124mm) L |
| 40*02Z*R | single level warning | | surface | | | .90/peak 0.36/avg | 25 Scan-Lock™ | | B,C,D | 3-3/16" (77mm) H x 1-3/8" (34mm) D x 4-15/16" (124mm) L |
| 4V3* | warning, alley/flood & puddle light | 3-in-1 Super-LED lighting | | A, W warning, steady W for alley and puddle | | 1.2 warning 0.40 alley light 0.12 puddle | warning has 25 Scan-Lock patterns | | W | 3-1/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White    First * or ** is for LED color, last * is for lens color.

| Model No. | Option Description |
|---|---|
| 4EFLANGE | Chrome plated flange kit for single level only |
| 4FLANGEB | Black flange kit for single level only |
| 4TSMAB | Black surface mount adapter |
| 4TSMAC | Chrome surface mount adapter |

| Model No. | Option Description |
|---|---|
| 4EGRILP | Grille-Master™ Chrome housing with swivel bracket |
| 4EGRILB | Grille-Master Black housing with swivel bracket |
| 4ILKT1 | Polished intersection housing kit, pair, for 4300/4400 International chassis only |

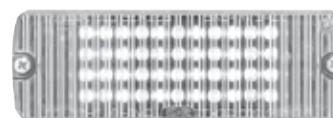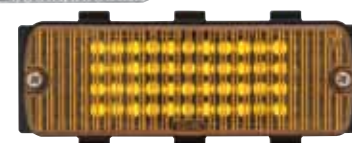4EFLANGE    4FLANGEB    4TSMAB    4TSMAC    4EGRILB    4EGRILP    4ILKT1

## 500 LED Series

- ■ Available with Clear or color lens
- ■ LEDs are rated for thousands of hours of operation
- ■ Polycarbonate construction
- ■ Fully encapsulated for moisture, vibration and corrosion resistance
- ■ Five year HDP Heavy-Duty Professional warranty

5SC00FCR
Surface mount

50A00FAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 50*00F*R | directional warning | 5mm LED | requires optional mounting | A, W | 12 | .300/peak .120/avg | 14 Scan-Lock | 6" pigtail | C D (A) | 1-13/16" (46mm) H x 7/8" (22mm) D x 5-3/16" (131mm) L |
| 5S*00F*R | | | surface | | | | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, C=White   First * is for LED color, second * is for lens color.

**See next page for mounting options**

## 500 Super-LED® Series

- Requires optional mounting
- NEW 500 V-Series™ features 3-in-1 warning, alley/flood and White downward projecting ground illumination or puddle light
- NEW! Single color combination 180° and TIR directional warning light, does not include White alley/flood or puddle light feature
- Solid color available with Clear or color lens
- V-Series and split color lights have Clear lens
- LEDs are rated for thousands of hours of operation
- Grommet mount rear waste truck light includes grommet and connector, for use in a light array of seven
- Vertical cab mount light includes Chrome flange (use one per side)
- Five year HDP® Heavy-Duty Professional warranty


50AA3ZAR


50AB3ZCR


50A02ZAR


50A02ZCR


50AA2SA2
Cab mount


50A02SA1
Rear waste truck light


5V1A


5V3A


5V3 showing puddle light

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 50*02Z*R | horizontal mount warning | Linear Super-LED | requires optional mounting | A, W | 12 | 1.0/peak .40/avg | 25 Scan-Lock™ | 6" pigtail | B (A/B) C D (A/B) | 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L |
| 50**2ZCR | horizontal mount split warning | | | A/A, A/B, A/W, W/W | | .50/peak .20/avg per side | | | | |
| 5V*02Z*R | vertical mount warning | | | A, W | | 1.0/peak .40/avg | | | | |
| 50AA2SA2 | vertical mount for truck cab | | includes Chrome flange | A | | | | | | |
| 50A02SA1 | horizontal mount for rear of waste truck | | includes grommet & connector | A | | | | | | |
| 50*03Z*R | warning | TIR6™ Super-LED | requires optional mounting | A, W | | .63/peak .315/avg | | | B (R) C D | 1-5/8" (41mm) H x 1-3/8" (35mm) D x 5" (127mm) L |
| 50**3ZCR | split warning | | | A/A, A/B, A/W, W/W | | .315/peak .125/avg per side | | | | |
| 5V1* | warning | V-Series & TIR Super-LED | | A, W | | 1.5/peak 0.6/avg | | | B (B) D | 2-1/8" (54mm) H x 1-5/8" (42mm) D x 5-3/8" (137mm) L |
| 5V3* | warning, alley/flood & puddle light | V-Series Super-LED | | A, W warning, steady W for alley and puddle | | 0.12 warning 1.0 alley light 0.5 puddle | | | | |

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White   First * or ** is for LED color, second * is for lens color.

| Model No. | 500 Series Option Description |
|---|---|
| 5FLANGEB | Black flange kit |
| 5FLANGEC | Chrome plated flange kit |
| 5FLANGEP | Polished aluminum flange kit |
| 5GROMMET | Rubber grommet kit |
| 5TSMAB | Black surface mount adapter, TIR6 Super-LED only |
| 5TSMAC | Chrome plated surface mount adapter, TIR6 Super-LED only |
| 5LSMAB | Black surface mount adapter, Linear-LED® only |

| Model No. | 500 Series Option Description |
|---|---|
| 5LSMAC | Chrome plated surface mount adapter, Linear-LED only |
| 5BRUSH | Aluminum brush guard for TIR6 only, requires flange |
| 5HSGPED | Polished aluminum housing & pedestal swivel mount kit |
| 5HSGB1 | 7/8"-1" round bar mount, includes housing and flange |
| 5HSGB125 | 1-1/4" round bar mount kit, includes housing and flange |
| 5BKT1 | Universal mounting bracket for Super-LED |


5FLANGEB


5GFLANGEC


5FLANGEP
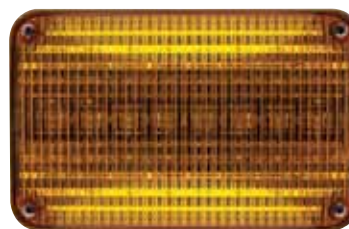

5GROMMET


5TSMAC


5LSMAC


5BRUSH


5HSGPED


5HSGB1
5HSGB125


5BKT1

**WHELEN**

## 600 Series

- Available with Clear or color lens
- NEW 600 Rota-Beam™ Super-LED oscillating light with no moving parts or motors. 100% solid-state with 180° light output
- Hi/Low power (not applicable to Rota-Beam)
- Five year HDP® Heavy-Duty Professional warranty

60A02FAR

6RBAC

6RBA

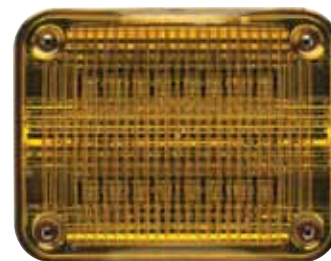| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 60*02S*R | warning | Linear Super-LED | surface | A, W | 12 | 1.40/peak .53/avg | requires optional flasher | 6" pigtail | B, C, D | 4-1/8" (105mm) H x 2" (50mm) D x 6-1/2" (165mm) L |
| 60*02F*R | | | | | | 1.4/peak .53/avg | 14 Scan-Lock™ | | | |
| 6RB* | oscillating warning | Rota-Beam Super-LED | | A, W color lens | | 2.2/peak 1.1/avg | 14 Scan-Lock | | W | 4-3/16" (106mm) H x 3-7/16" (88mm) D x 6-9/16" (167mm) L |
| 6RB*C | | | | R, B, A, W Clear lens | | | | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, B=Blue, C=White, R=Red     First * or ** is for LED color, second * is for lens color.

| Model No. | 600 Series Option Description |
|---|---|
| 6FLANGEB | Black flange kit |
| 6EFLANGE | Chrome plated flange kit |
| 64FKIT | Kit to convert 600 Series to fit in old style 64 Series hole cutouts |

6EFLANGE     6FLANGEB

64FKIT

**WHELEN**

## 700 Series

- **Available with Clear or color lens**
- **Available with or without internal flasher**
- **Low power**
- **Five year HDP® Heavy-Duty Professional warranty**

70A02SAR / 70A02FAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 70*02S*R | warning | Linear Super-LED | surface | A, W | 12 | .1.40/peak .53/avg | requires optional flasher | 6" pigtail | B, C, D | 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L |
| 70*02F*R | | | | | | 1.4/peak .53/avg per side | 14 Scan-Lock™ | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White
First * or ** is for LED color, second * is for lens color.

| Model No. | Option Description |
|---|---|
| 7FLANGEB | Black flange kit |
| 7EFLANGE | Chrome plated flange kit |
| 7CAST3 | Polished cast aluminum housing, vertical mount, 3 lamp |
| 7EGRILP | Grille-Master™ Chrome housing with swivel bracket |
| 7EGRILB | Grille-Master  Black housing with swivel bracket |
| 7GCV6LRC | Grille mount chrome housing 2006-11 Chevy Express van, pair |
| 73FKIT | Mounting kit to convert 700 Series to fit in old style 73 Series hole cutouts |

7FLANGEB  7EFLANGE  7EGRILB  7EGRILP  73FKIT

## 900 Series

- **Largest surface mount with dual level LEDs**
- **Available with Clear or color lens**
- **Available with or without internal flasher**
- **Low power**
- **Five year HDP Heavy-Duty Professional warranty**

90AA5SAR / 90AA5FAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 90**5S*R | warning | Linear Super-LED | surface | A, W | 12 | 2.8/peak  1/avg | requires optional flasher | 6" pigtail | B, C, D | 7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L |
| 90**5F*R | | | | | | 2.8/peak  1/avg | 14 Scan-Lock steady-burn & Hi/Low | | | |

Replace symbol* in model number with letter indicating color desired:  A=Amber, C=White
First * or ** is for LED color, second * is for lens color.

| Model No. | 900 Series Option Description |
|---|---|
| 90FLANGB | Black flange kit |
| 90FLANGC | Chrome plated flange kit |
| 97FKIT | Mounting kit to convert 900 Series to fit in old style 97 Series hole cutouts |

90FLANGC  90FLANGB  97FKIT

**WHELEN**

## LED Brake/Tail/Turn Lights

- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty

20R00XRR

M6BTT

M9BTTX

PSR00XRR

PSRASXCR

5SR00XRR

50R00XRR

40BTT

60BTT

70BTT

90BTT

| Model No. | Lamp Type | Tech-nology | Mount | Color | LENS | VDC | Amps | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 20R00XRR | 4" Round B/T/T | LED | requires optional mounting | R | R | 12 | .4 high 0.4 low | 6" pigtail | J, K, L, Y, X, Q | 4-1/4" dia. |
| M6BTT | M6 Series B/T/T | Super-LED® | surface | | | | 0.85 brake 0.06 tail | | J, K, L, X, Y | 4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L |
| M9BTTX | M9 Series B/T/T | | | | | | 0.75 brake 0.55 tail | | | 6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L |
| 40BTT | 400 Series B/T/T | | | | | | .375 brake .040 tail | | J, K, I | 3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L |
| 5SR00XRR | 500 Series B/T/T | LED | requires optional mounting | | | | .25 high .05 low | | A, B, C, W | 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L |
| 50R00XRR | | | | | | | | | | |
| 60BTT | 600 Series B/T/T | Super-LED | surface | | | | .375 brake .040 tail | | | 4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L |
| 70BTT | 700 Series B/T/T | | | | | | | | | 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L |
| 90BTT | 900 Series B/T/T | | | | | | | | | 7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L |
| PSR00XRR | Strip-Lite™ B/T/T | LED | | | | | .5 high/.05 low | | J, K | 1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L |
| PSRASXCR | | LED with turn | | R/A | C | | .225 turn / 150mA brake 40mA tail | | - | |

| Option Model No. | | | | | | | | Option Description |
|---|---|---|---|---|---|---|---|---|
| 4" Round | M6 | M7 | 500 | 600 | 700 | 900 | Strip-Lite | |
| 2FLANGEC | M6FC | M7FC | 5FLANGEC | 6EFLANGE | 7EFLANGE | 90FLANGC | - | Chrome plated flange |
| 2FLANGEB | M6FB | M7FB | 5FLANGEB | 6FLANGEB | 7FLANGEB | 90FLANGB | - | Black flange |
| - | M6BRUSH | M7BRUSH | 5BRUSH | - | - | - | PSBKT1 | Brush guard |
| 2GBKT1 | - | - | 5GBKT1 | - | - | - | - | "L" bracket |
| - | - | - | 5FLANGEP | - | - | - | - | Polished aluminum flange |
| 2GROMMET | - | - | 5GROMMET | - | - | - | - | Grommet mount kit |
| - | M6FCV2 | - | - | - | - | - | - | Chrome flange for two lightheads, vertical |
| - | M6FCV3 | - | PLAST3V | - | - | - | - | Chrome flange for three lightheads, vertical |
| - | M6FCV4 | - | PLAST4VL | - | - | - | - | Chrome flange for four lightheads, vertical |
| - | - | - | CAST3H | - | - | - | - | Three lighthead cast aluminum housing, horz. |
| - | - | - | CAST3 | 7CAST3 | - | - | - | Three lighthead cast aluminum housing, vert. |
| - | - | - | CAST4V | - | - | - | - | Four lighthead cast aluminum housing, vert. |
| LEDLOAD | | | | | | | | Adds additional amperage load |

7FLANGEB

7EFLANGE

5BRUSH

5GBKT1

5FLANGEP

5GROMMET

M6FCV2

M6FCV3 PLAST3V

M6FCV4 PLAST4VL

CAST3H

CAST3

CAST4V

7CAST3

# Lightheads - Turn Signals

**WHELEN**

## LED Turn Signals

- Arrows may be mounted left or right
- 400 LED Series is turn indicator/front marker clearance light combination
- M Series are surface mounted
- Mounting options are purchased separately
- Five year HDP® Heavy-Duty Professional warranty

M6T

M9T

40A00AAR

60A00TAR

70A00TAR

90A00TAR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| M6T | M6 Series | LED | surface mount | A | 12 | .75/max | 8 | 6" pigtail | L, Y | 4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L |
| M9T | M9 Series | | | | | 1.2/max | | | | 6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L |
| 40A00AAR | 400 Series | | surface mount optional mounting available | | | .4/max .06/avg | 2 | | X, Y | 3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L |
| 60A00TAR | 600 Series | | | | | .7/max .35/avg | 6 | | L, Y | 4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L |
| 70A00TAR | 700 Series | | | | | .9/max .45/avg | | | | 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L |
| 90A00TAR | 900 Series | | | | | 1.25/max 1/avg | 17 | | | 7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L |

| LED | | | | | | Option Description |
|---|---|---|---|---|---|---|
| M6 | M9 | 400 | 600 | 700 | 900 | |
| M6FC | M9FC | 4EFLANGE | 6EFLANGE | 7EFLANGE | 9FELANGE | Chrome plated flange |
| M6FB | M9FB | 4FLANGEB | 6FLANGEB | 7FLANGEB | 9EFLANGEB | Black flange |
| M6BRUSH | M9BRUSH | - | - | - | - | Brush guard |
| - | - | - | - | - | - | Polished aluminum flange |
| - | - | - | - | - | - | Grommet mount kit |
| M6FCV2 | - | - | - | - | - | Chrome flange for two lightheads, vertical |
| M6FCV3 | - | - | PLAST3V | - | - | Chrome flange for three lightheads, vertical |
| M6FCV4 | - | - | PLAST4VL | - | - | Chrome flange for four lightheads, vertical |
| - | - | - | CAST3H | - | - | Three lighthead cast aluminum housing, horizontal |
| - | - | - | CAST3 | 7CAST3 | - | Three lighthead cast aluminum housing, vertical |
| - | - | - | CAST4V | - | - | Four lighthead cast aluminum housing, vertical |
| M6FC600 | M9FC900 | - | - | - | - | Chrome flange converts to hundred series lighthead |

6EFLANGE · 6FLANGEB · M6FC600 · 7FLANGEB · 7EFLANGE · M6FC · M6FCV2 · M6FCV3 · M6FCV4 · CAST3H · CAST3 · CAST4V · 7CAST3

**WHELEN**

## Super-LED® & LED
## Back-Up Lights

- ■ M Series are surface mounted
- ■ Mounting options are purchased separately
- ■ 400, 600 and 700 Series LED may additionally be used as interior lights
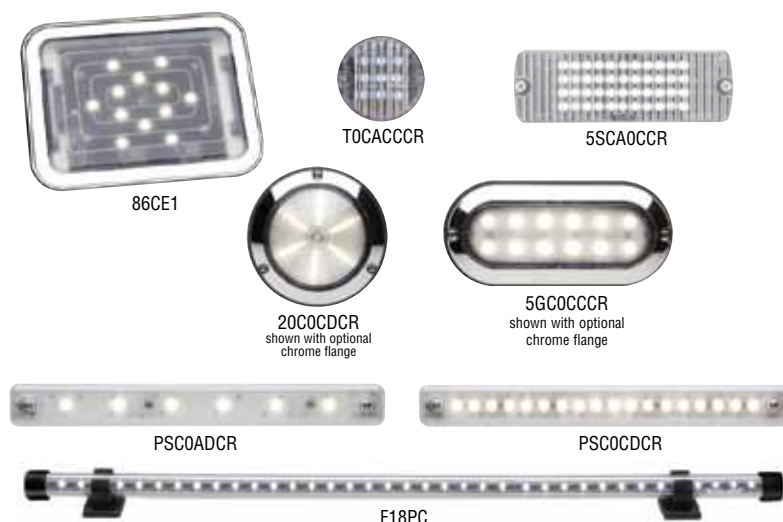- ■ Five year HDP® Heavy-Duty Professional warranty

M6BUW

M9BUW

5GC00WCR

50C00WCR

40C00VCR

60C00VCR

60C00WCR

70C00VCR

70C00WCR

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Certifi-cation | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| M6BUW | M6 Series | Super-LED | surface mount | W | 12 | 1.6 | steady | 6" pigtail | N | 4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L |
| M9BUW | M9 Series | | | | | 1.8 | | | | 6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L |
| 5GC00WCR | 5G Series | | includes grommet | | | .15 | | | | 3-3/16" (77mm) H x 1-1/2" (38mm) D x 7-7/16" (189mm) L |
| 50C00WCR | 500 Series | LED | mounting required | | | .35 | | | | 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L |
| 40C00VCR | 400 Series | | may be surface mounted optional mounting available | | | | | | | 3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L |
| 60C00VCR | 600 Series | LED minimum | | | | .35 | | | | 4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L |
| 60C00WCR | | LED maximum | | | | 0.6 | | | | |
| 70C00VCR | 700 Series | LED minimum | | | | .35 | | | | 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L |
| 70C00WCR | | LED maximum | | | | 0.5 | | | | |

| Option Model Number | | | | | | Option Description |
|---|---|---|---|---|---|---|
| Super-LED | | LED | | | | |
| M6 | M9 | 400 | 500 | 600 | 700 | |
| M6FC | M9FC | 4EFLANGE | 5FLANGEC | 6EFLANGE | 7EFLANGE | Chrome plated flange |
| M6FB | M9FB | 4FLANGEB | 5FLANGEB | 6FLANGEB | 7FLANGEB | Black flange |
| M6BRUSH | M9BRUSH | - | 5BRUSH | - | - | Brush guard |
| - | - | - | 5FLANGEP | - | - | Polished aluminum flange |
| - | - | - | - | - | - | Grommet mount kit |
| M6FCV2 | - | - | - | - | - | Chrome flange for two lightheads, vertical |
| M6FCV3 | - | - | PLAST3V | - | - | Chrome flange for three lightheads, vertical |
| M6FCV4 | - | - | PLAST4V | - | - | Chrome flange for four lightheads, vertical |
| - | - | - | - | CAST3H | - | Three lighthead cast aluminum housing, horizontal |
| - | - | - | - | CAST3 | 7CAST3 | Three lighthead cast aluminum housing, vertical |
| - | - | - | - | CAST4V | - | Four lighthead cast aluminum housing, vertical |
| M6FC600 | M9FC900 | - | - | - | - | Chrome flange converts to hundred series lighthead |

4EFLANGE

5FLANGEC

6FLANGEB

M6FC600

7FLANGEB

7EFLANGE

M6FC

M6FCV2

M6FCV3

M6FCV4

CAST3H

CAST3

CAST4V

7CAST3

**WHELEN**

## Super-LED® & LED Interior Lighting

- Super-LED model 86CE1 has 12 diodes and Hi/Low control, and is certified to KKK 1822-F when properly installed
- LED 2" Round Series includes 2-1/2" adapter for customer supplied 2-1/2" grommet, plus a 3" and 3-1/2" flange mount
- Strip-Lite™ available in two levels of intensity
- Fluorent Plus™ Series is available in increments of 9" (228mm) and includes both a C clip for snap-in and P clip for fixed mounting. Silicone rubber end caps
- Five year HDP® Heavy-Duty Professional warranty

T0CACCCR

5SCA0CCR

86CE1

20C0CDCR
shown with optional chrome flange

5GC0CCCR
shown with optional chrome flange

PSC0ADCR

PSC0CDCR

F18PC

| Model No. | Lamp Type | Tech-nology | Mount | VDC | Amps | Cable | Lighthead Size |
|---|---|---|---|---|---|---|---|
| 86CE1 | rectangular interior dome | Super-LED | requires cut-out, includes flange | 12 | 2/high .20/low | 6" pigtail | 6-7/16"(163mm) H x 1-1/4"(32mm) D x 8-3/16"(208mm) L |
| T0CACCCR | 2" round compartment | 5mm LED | surface | | .025 | | 2" (51mm) Dia. |
| 5SCA0CCR | 500 Series compartment | 56 diode LED | | | .300 | | 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L |
| 20C0CDCR | 2G Series (4" round) compartment | Super-LED 12 diode | surface mount requires optional mounting | | .360 | 6" pigtail includes Deutsch® connector | 4" (102mm) Dia. |
| 20C0CDCD | | | | | | | |
| 5GC0CCCR | 5G Series compartment | Super-LED | Includes Black grommet, requires optional mounting | | .525 | 6" pigtail | 3-3/16" ( 81mm) H x 1-1/2" (38mm) D x 7-7/16" (189mm) L |
| PSC0ADCR | Strip-Lite compartment | 6 diode LED | | | .240 | | 1" (25mm) H x 1-3/8" (35mm) D x 11-1/2 " (292mm) L |
| PSC0CDCR | | 18 diode LED | | | .480 | | |
| F09PC | Fluorent Plus compartment tube lighting | Super-LED | surface | | .06 | | 5/8" (16mm) H x 9" (228mm) L |
| F18PC | | | | | .125 | | 5/8" (16mm) H x 18" (457mm) L |
| F27PC | | | | | .16 | | 5/8" (16mm) H x 27" (686mm) L |
| F36PC | | | | | .18 | | 5/8" (16mm) H x 36" (914mm) L |
| F45PC | | | | | .24 | | 5/8" (16mm) H x 45" (114cm) L |
| F54PC | | | | | .32 | | 5/8" (16mm) H x 54" (137cm) L |
| F63PC | | | | | .42 | | 5/8" (16mm) H x 63" (160cm) L |

| Model No. | Series | Option Description |
|---|---|---|
| TFLANGEC | 2" Round | Surface mount Chrome plated flange kit |
| TFLANGEB | | Surface mount Black flange kit |
| TGROM2 | | Grommet mounting kit |
| 2GFLANGC | 2G (4" round) | Surface mount Chrome plated flange kit |
| 2GFLANGB | | Surface mount Black flange kit |
| 2GROMMET | | Grommet mounting kit |

| Model No. | Series | Option Description |
|---|---|---|
| 5GFLANGC | 5G | Surface mount Chrome plated flange kit |
| 5GFLANGB | | Surface mount Black flange kit |
| PSBKT451 | Strip-Lite | 45° stainless steel bracket |

TFLANGEC    TFLANGEB    TGROM2    2GFLANGC    2GFLANGB    2GROMMET

5GFLANGC    5GFLANGB    PSBKT451

**WHELEN**

## Super-LED® & LED
## Interior Lighting

- 3" Round Red, Red/White and Blue/White for better night vision and includes independent control of color and White light
- 6" Round extreme low profile surface mount is available in 24 volt models
- 700 Series has illuminated switches
- 8" Round has high lumen output of 1,000/Hi and 80/Low, simulating natural light at midday.
- Five year HDP® Heavy-Duty Professional warranty

3SC0CDCR  3SR0CDRR  3SBCCDCR  3SRCCDCR

60C0EHCR  side view  60C0EJCS  60CBEGCS  60CREGCS

70CREGCS  80C0EHCR  80C00EZR  8WC00EZR  80CBEHCR  80CREHCR

| Model No. | Lamp Type | Tech-nology | Mount | Housing | Switch | VDC | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| 3SC0CDCR | 3" Round LED | compartment White | surface optional mounting available | rubber gasket housing | - | 12 | .380 | 6" pigtail | 3" (76mm) Dia. |
| 3SR0CDRR | | nighttime illumination Red | | | | | .300 | | |
| 3SBCCDCR | | compartment split Blue/White | | | | | .310 | | |
| 3SRCCDCR | | compartment split Red/White | | | | | | | |
| 60C0EHCR | 6" Round Super-LED | compartment 18 diode, White | surface | | - | | 1.2/high .13/low | | 6" (152mm) Dia. x 5/8" (16mm) D |
| 60C0EJCS | | compartment 6 diode, White | | | On/Off | | .70/high | | |
| 60CBEGCS | | compartment 6 Blue diodes & 6 White diodes | | - | dual switches for On/Off color and On/Off and White | | .70/White .50/Blue | | |
| 60CREGCS | | compartment 6 Red diodes & 6 White diodes | | | | | .70/White .50/Red | | |
| 70CREGCS | 700 Series | compartment 30 Red diodes & 30 White diodes | | | backlighted dual switches for On/Off color and White | | .35/White .50/Red 2mA/ switch | | 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L |
| 80C0EHCR | 8" Round Super-LED ambulance light | 18 diode, White | 4 screws, fits industry standard 8" cutout, no mounting hardware required | Chrome flange | built-in Hi/Low intensity | | 1.2/high .13/low | | 8-5/8" (218mm) Dia. x 1" (24mm) D |
| 80C00EZR | | 18 diode, White | fits 8" cutout with spring clip mounting, no mounting hardware required | White flange | | | | | |
| 8WC00EZR | | 18 diode, White | | | | | | | |
| 80CBEHCR | | 6 White diodes 3 Blue diodes | 4 screws | Chrome flange | | | 1.5/White .50/color | | |
| 80CREHCR | | 6 White diodes 3 Red diodes | | | | | | | |

| Model No. | 3" Round Options |
|---|---|
| 3FLANGEC | Chrome plated flange, surface mount |
| 3GROMMET | Grommet mount |

3FLANGEC  3GROMMET

## Illumination, Marker or Clearance Lighting and PAR Replacement Lamps

- **OS™ Series** includes Chrome housing. It's 45° angle illuminates step surfaces and areas needing angled lighting. Interior or exterior use
- **OS Series** marker/clearance has Clear lens
- **2" Round Series** marker or clearance light includes 2-1/2" adapter for customer supplied 2-1/2" grommet, plus a 3" and 3-1/2" flange mount. Includes color lens
- **PEL Series** has 40° downward projected light for illumination of vehicle's perimeter
- **PAR lights** have heavy-duty heatsink and industry standard brass slotted head connection point
- Five year HDP® Heavy-Duty Professional warranty

0AC0EDCR

0SC0EDCR

T0A00MAR

0SR00MCR

0SA00MCR

T0R00MRR

PELCC

P46SLC

P46FLC

P46WLC

P36SLC

| Model No. | Lamp Type | Tech-nology | Mount | Color | Housing Color | VDC | Amps | Patterns | Cable | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 0SC0EDCR | 0S Series | LED White illumination | surface | W | Chrome | 12 | 0.3 | steady | 6" pigtail | 1" (25mm) H x 1/2" (13mm) D x 1-1/2" (38mm) L |
| 0AC0EDCR | | | 45° angle surface | | | | | | | 1" ( 25mm) H x 7/8" (21mm) D x 1-7/8" (48mm) L |
| 0SA00MCR | | LED marker or clearance | surface | A | | | | | | 1" (25mm) H x 1/2" (13mm) D x 1-1/2" (38mm) L |
| 0SR00MCR | | | | R | | | | | | |
| T0A00MAR | 2" Round marker or clearance | | surface | A | - | | 0.8/max 0.5/avg | | | 2" (51mm) Dia. |
| T0R00MRR | | | | R | | | | | | |
| PELCC | PEL Series downward projecting ground perimeter lighting | 1000 lumen Super-LED illumination | surface | W | Chrome | | .85 | | | 1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" 292mm) L |
| PELCB | | | | | Black | | | | | |
| PELCC4 | | | | | Chrome | 24 | .37 | | | |
| PELCB4 | | | | | Black | | | | | |
| P46SLC | PAR-46 | 2° Spotlight | drop-in replacement for outdated halogen spotlight lamps | W | Black powder coated die-cast aluminum heatsink | 12 | 23 | | | 5-5/8" (144mm) Dia x 2-11/16" (69mm) D |
| P46FLC | | 8° Spotlight | | | | | 1.9 | | | 5-5/8" (144mm) Dia x 1-13/16" (46mm) D |
| P46WLC | | 20° high x 60° wide Floodlight | | | | | | | | |
| P36SLC | PAR-36 | 2° Spotlight | | | | 12/24 | 0.85 @ 12 VDC 0.325 @ 24 VDC | | | 4-1/2" (111mm) Dia. x 2" (51mm) D |

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red

| Model No. | 2" Round Option Description |
|---|---|
| TGROM2 | Rubber grommet mount |
| TFLANGEC | Surface mount flange, Chrome |
| TFLANGEB | Surface mount flange, Black |

TGROM2

TFLANGEC

TFLANGEB

**WHELEN**

## Super-LED® and LED Scenelights

- ■ Super-LED surface mounts are instant on with no warm-up time
- ■ 500 Series lightheads requires mounting option, purchased separately
- ■ 900 Series lightheads are certified to meet KKK 1822-F requirements and AMD 024 Standard
- ■ Five year HDP® Heavy-Duty Professional warranty

50C000ZR

6SCOENZR

70C0ELZR

9SC0ENZR

M6ZC

M7ZC

M9LZC

| Model No. | Lamp Type | Tech-nology | Mount | Color | VDC | Amps | Patterns | Cable | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|
| 50C000ZR | 500 Series | LED | requires optional mounting | | | .300 | | | 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L |
| 6SCOENZR | 600 Series | Super-LED | surface | W | 12 | 1 | steady | 6" pigtail | 4-1/8" (105mm) H x 1-3/4" (44mm) D x 6-1/2" (165mm) L |
| 60C0ELZR | 600 Series | | recess | | | 2 | | | |
| 70C0ELZR | 700 Series | | recess | | | 2 | | | 3-1/16" (78mm) H x 1-3/4" (44mm) D x 7-1/4" (184mm) L |
| 9SC0ENZR | 900 Series | | surface, includes Chrome flange | | | 6 | | | 7-1/8" (181mm) H 1-3/4" (44mm) D x 9-1/8" (232mm) L |
| M6ZC | M6 Series | | surface | | | 2 | | | 4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm)L |
| M7ZC | M7 Series | | surface | | | 2.25/peak .9/avg | | | 3-3/8" (86mm) H x 1-3/8" (35mm) D x 7-5/8" (194mm) L |
| M9LZC | M9 Series | | surface, includes Chrome flange | | | 6 | | | 6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm)L |

| Option Model Number | | | | | | | Option Description |
|---|---|---|---|---|---|---|---|
| LED | Super-LED | | | | | | |
| 500 | M6 | M7 | M9 | 600 | 700 | 900 | |
| 5FLANGEC | M6FC | M7FC | M9FC | 6EFLANGE | 7EFLANGE | 90FLANGC | Chrome plated flange |
| 5FLANGEB | M6FB | M7FB | M9FB | 6FLANGEB | 7FLANGEB | 90FLANGB | Black flange |
| 5GROMMET | - | - | - | - | - | - | Grommet mount kit |

5FLANGEC

6EFLANGE

6FLANGEB

7EFLANGE

7FLANGEB

M6FC

M7FB

# Super-LED® Work Lights

**WHELEN**

## Pioneer Nano™

- Available in 3 or 6 diode models
- Die-cast aluminum powder coated housing in Black or White
- Rated to last thousands of hours with remarkable bright light
- 8° spotlight pattern, comes standard. Includes additional optic lens for a light pattern choice of 40° x 20° flood
- Optic lens changes easily via four screws in picture frame fixture
- Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount
- Models available in 24 Volts, contact factory
- Five year HDP® Heavy-Duty Professional warranty

NP3BW

NP6BW

| Model # | Diodes | Mount | Housing Color | Volts | Amps | Watts | Cable | Lumens | Size with mounting |
|---------|--------|-------|---------------|-------|------|-------|-------|--------|--------------------|
| NP3BW | 3 | bail/stud with 3/8" carriage bolt | White | 12 | 1 | 12.8 | 6 foot | 1100 | 2-1/4" (57mm) H x 1-3/4" (44mm) D x 3.5" (89mm) L |
| NP3BB | | | Black | | | | | | |
| NP6BW | 6 | | White | | 1.5 | 19.6 | | 1800 | 3" (76mm) H x 1-3/4" (44mm) D x 3.5" (89mm) W |
| NP6BB | | | Black | | | | | | |

## Pioneer Micro™

- Die-cast aluminum powder coated housing in Black or White
- Rated to last thousands of hours with remarkable bright light
- 8° spotlight pattern, comes standard. Includes three additional optic lenses for a light pattern choice of:
  - 90° x 20° wide flood
  - 40° x 20° flood
  - 40° x 8° horizontal flood
- Optic lens changes easily via four screws in picture frame fixture
- Four mountings available:
  - Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount
  - Two recessed mounts available with Chrome flange for straight out or 15° downward angle
  - Heavy-duty pedestal/swivel available with Chrome or Black back cover and On/Off switch
- Models available in 24 Volts, contact factory
- Five-year HDP Heavy-Duty Professional warranty

MPBW

MPBB

MPPBCS

MPR15W

MPRW

| Model # | Mount | Housing Color | Switch | Volts | Amps | Watts | Cable | Lumens | Size with mounting |
|---------|-------|---------------|--------|-------|------|-------|-------|--------|--------------------|
| MPBW | bail/stud | White | - | 12 | 3.6A | 44.8 | 6 foot | 4100 | 4-5/8" (118mm) H x 3-1/8" (80mm) D x 4-3/4" (121mm) L |
| MPBB | | Black | | | | | | | |
| MPRW | recessed Chrome straight flange | White | | | | | | | 6-1/8" (155mm) H x 2-7/8" (72mm) D x 6-11/16 (170mm) L |
| MPRB | | Black | | | | | | | |
| MPR15W | recessed Chrome 15° downward angled flange | White | | | | | | | |
| MPR15B | | Black | | | | | | | |
| MPPW | pedestal/swivel | White | includes On/Off switch | | | | | | 8-5/8" (220mm) H x 3-3/4" (94mm) D x 5-1/8" (129mm) L |
| MPPB | | Black | | | | | | | |
| MPPWCS | | White with Chrome back cover | | | | | | | |
| MPPBCS | | Black with Chrome back over | | | | | | | |
| MPPBBS | | Black with Black back cover | | | | | | | |

# Super-LED® Work Lights

**WHELEN**

## Pioneer SlimLine™ Series

- Die-cast aluminum powder coated housing in White or Black
- Rated to last thousands of hours with remarkable bright light
- Single lamp models include 8° spotlight lens supplied on lighthead and one additional lens supplied for light dispersion of 40°x 20° flood
- Dual lamp models include 8° spotlight lens supplied on lighthead, and two additional lenses are supplied for light dispersion of 40°x 20° flood and 8° spot/40°x 20° flood
- Recessed mount models available in straight and 15° downward angle with chrome trim flange
- Bail bracket works for horizontal and vertical mounting positions
- Models available in 24 Volts, contact factory
- Five year HDP® Heavy-Duty Professional warranty

PSL1B

PSL2BB

PSL1P

PSL2P

PSL1R

PSL2R

| Model # | Mount | Lamp | Housing Color | Volts | Amps | Watts | Cable | Lumens | Size including mounting |
|---|---|---|---|---|---|---|---|---|---|
| PSL1B | Bail/Stud | single | White | 12 | 3 | 39.2 | 20' | 3600 | 3-1/4" (82mm) H x 2-1/8" (55mm) D x 6-7/8" (175mm) L |
| PSL1BB | | | Black | | | | | | |
| PSL2B | | dual | White | | 6.1 | 78.3 | | 7300 | 3-1/4" (82mm) H x 2-1/8" (55mm) D x 12-1/2" (317mm) L |
| PSL2BB | | | Black | | | | | | |
| PSL1R | Recessed Chrome straight flange | single | White | | 3 | 39.2 | | 3600 | 6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) L |
| PSL1RB | | | Black | | | | | | |
| PSL2R | | dual | White | | 6.1 | 78.3 | | 7300 | 6-5/8" (168mm) H x 2-5/8" (65mm) D x 15-1/2" (394mm) L |
| PSL2RB | | | Black | | | | | | |
| PSL1R5 | Recessed Chrome 15° downward angled flange | single | White | | 3 | 39.2 | | 3600 | 6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) L |
| PSL1R5B | | | Black | | | | | | |
| PSL2R5 | | dual | White | | 6.1 | 78.3 | | 7300 | 6-5/8" (168mm) H x 2-5/8" (65mm) D x 15-1/2" (394mm) L |
| PSL2R5B | | | Black | | | | | | |
| PSL1P | Low profile pedestal/swivel | single | White | | 3 | 39.2 | | 3600 | 5-5/8" (143mm) H x 1-7/8" (48mm) D x 6-7/8" (175mm) L |
| PSL1PB | | | Black | | | | | | |
| PSL2P | | dual | White | | 6.1 | 78.3 | | 7300 | 5-5/8" (143mm) H x 1-7/8" (48mm) D x 12-1/2" (317mm) L |
| PSL2PB | | | Black | | | | | | |

# Super-LED® Work Lights

WHELEN

## Pioneer™ Surface Mount

- Extruded aluminum housing
- Rated to last thousands of hours with remarkable bright light
- Combination spot/flood (patent pending) optic design projects light directly down at 5° producing illumination to the side of the vehicle arching upward to 90° pattern of light
- Solid-state electronics
- Instant On/Off eliminates ramp up time and high current in-rush
- Lights feature built-in nylon screw grommets eliminating galvanic corrosion
- Uniquely designed molded two part silicone grommet seals the 1" wire entry into the body
- Engineered thermal design keeps LEDs running cool and efficiently
- DC (Single or Dual) Pioneer models meets SAE1113-42 Class 5 testing for EMI
- AC models are coming soon pending UL® approval
- Five year HDP® Heavy-Duty Professional warranty

PCPSM2C

PCPSM1B

| Model | Series | Lamp Type | Housing | Volts | Amps | Watts | Lumens | Size |
|-------|--------|-----------|---------|-------|------|-------|--------|------|
| PCPSM1C | Pioneer Plus Spot/ Floodlight VDC models | single | Chrome | 12 VDC | 6 | 76 | 8,000 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 9"(228mm) L |
| PCPSM1B | | | Black | | | | | |
| PCPSM2C | | dual | Chrome | | 12 | 154 | 16,000 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 16-1/4" (412mm) L |
| PCPSM2B | | | Black | | | | | |
| PCPSM14C | | single | Chrome | 24 VDC | 3 | 76 | 8,000 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 9"(228mm) L |
| PCPSM14B | | | Black | | | | | |
| PCPSM24C | | dual | Chrome | | 6 | 154 | 16,000 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 16-1/4" (412mm) L |
| PCPSM24B | | | Black | | | | | |
| PCPSM1AC | Pioneer Plus Spot/ Floodlight VAC models pending UL® listing | single | Chrome | 120 VAC | 0.6 | 72 | 7,500 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 9"(228mm) L |
| PCPM1AB | | | Black | | | | | |
| PCPSM2AC | | dual | Chrome | | 1.2 | 144 | 15,000 | 6-3/8"(162mm) H x 1-3/4" (44mm) D x 16-1/4" (412mm) L |
| PCPSM2AB | | | Black | | | | | |

Unique thermal plastic rubber grommet seals 1" wire entry
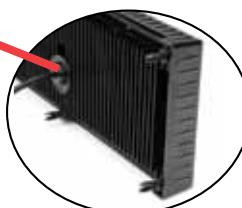
Unique screw grommet system and grommet seals tight to vehicle's body

# Pioneer™ Quad

- **Four high intensity 120 AC Pioneer Plus lamps for Flood lighting and combination Flood/Spot lighting**
- **Die cast aluminum powder coated housing includes supporting hardware**
- **Rated to last thousands of hours with remarkable bright light**
- **Engineered thermal design keeps LEDs running cool and efficiently, eliminating decreased diode output over long hours of operation**
- **Universal side bail bracket tilts ±25° up or down**
- **3/4" NPT pedestal/pole mount fits most industry standard poles**
- **Removable handle standard on pole/pedestal mount**
- **Floodlights are UL® approved**
- **Spot/Floodlight models pending UL approval**
- **120 AC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops**
- **Five year HDP® Heavy-Duty Professional warranty**

PFP4AW
PCP4AW

PFP4AWP1
PCP4AWP1
Pole/Pedestal Mount

| Model | Series | Mounting | Switch | Housing Color | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|---|---|
| PFP4AW | AC Floodlights | Lighthead only | - | White | 120 AC | 2.5 AC | 300 watts | 30,000 | 7-3/8" (187mm) H x 3-3/16" (80mm) D x 14-1/16" (357mm) L |
| PFP4AB | | | - | Black | | | | | |
| PFP4AWP | | Pole/Pedestal Mount | - | White | | | | | |
| PFP4AWP1 | | | 1 Switch | | | | | | |
| PFP4AWP2 | | | 2 Switch | | | | | | |
| PFP4ABP | | | - | Black | | | | | |
| PFP4AABP1 | | | 1 Switch | | | | | | |
| PFP4AABP2 | | | 2 Switch | | | | | | |
| PFP4AWB | | Universal Side Bail Mount | - | White | | | | | |
| PFP4ABB | | | - | Black | | | | | |
| PCP4AW | AC Flood/ Spotights | Lighthead only | - | White | | | | | |
| PCP4AB | | | - | Black | | | | | |
| PCP4AWP | | Pole/Pedestal Mount | - | White | | | | | |
| PCP4AWP1 | | | 1 Switch | | | | | | |
| PCP4AWP2 | | | 2 Switch | | | | | | |
| PCP4ABP | | | - | Black | | | | | |
| PCP4AABP1 | | | 1 Switch | | | | | | |
| PCP4AABP2 | | | 2 Switch | | | | | | |
| PCP4AWB | | Universal Side Bail Mount | - | White | | | | | |
| PCP4ABB | | | - | Black | | | | | |

**WHELEN**

## Pioneer™ & Pioneer Plus™ Series Floodlights

- Long life LED operation with low current draw and low operating temperature
- LEDs operate at very high light efficiency producing high lumen output per watt
- Available in four intensities
- Die cast aluminum powder coated housing
- Rated to last thousands of hours with remarkable bright light
- Solid-state electronics and lamps
- Instant On/Off eliminates ramp-up time and high current in-rush
- Recessed housing mounts straight out or 15° fixed downward angle to maximize light effectiveness
- Removable handle standard on pedestal and pole mount models
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI
- Available in 12, 24 VDC and UL® listed 120 VAC
- 120 VAC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops
- HDP® Heavy-Duty Professional five year warranty

PFA1
Floodlight

PFP2
Floodlight

MTO   EMI   HDP PROFESSIONAL

## Lighthead only  (Mounting Purchased Separately)

| Model | Series | Lamp Type | Housing Color | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|---|
| PFA1 | Pioneer Floodlight | single | White | 12 | 3.1 | 39.7 | 3,700 | Single: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L<br><br>Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L |
| PFA2 | | dual | White | 12 | 6.1 | 78.8 | 7,400 | |
| PFA14 | | single | White | 24 | 1.5 | 39.7 | 3,700 | |
| PFA24 | | dual | White | 24 | 3 | 78.1 | 7,400 | |
| PFA1B | | single | Black | 12 | 3.1 | 39.7 | 3,700 | |
| PFA2B | | dual | Black | 12 | 6.1 | 78.1 | 7,400 | |
| PFA14B | | single | Black | 24 | 1.5 | 39.7 | 3,700 | |
| PFA24B | | dual | Black | 24 | 3 | 78.1 | 7,400 | |
| PFP1 | Pioneer Plus Floodlight | single | White | 12 | 6.5 | 73.2 | 8,100 | |
| PFP2 | | dual | White | 12 | 13 | 166.4 | 16,000 | |
| PFP14 | | single | White | 24 | 3.05 | 83.2 | 7,400 | |
| PFP24 | | dual | White | 24 | 6.5 | 166.4 | 16,000 | |
| PFP1B | | single | Black | 12 | 6.5 | 83.2 | 8,100 | |
| PFP2B | | dual | Black | 12 | 13 | 166.4 | 16,000 | |
| PFP1AC | | single | White | 120 VAC models pending UL° listing | .6 | 75 | 7,500 | |
| PFP2AC | | dual | White | 120 VAC models pending UL° listing | 1.2 | 150 | 15,000 | |

# Super-LED® Work Lights

**WHELEN**

## Pioneer™ & Pioneer Plus™ Series Spotlights & Combination Spot/Floodlights

- Long life LED operation with low current draw and low operating temperature
- LEDs operate at very high light efficiency producing high lumen output per watt
- Die cast aluminum powder coated housing
- Rated to last thousands of hours with remarkable bright light
- Spotlights are available in single lamp 2° and 8° models. Dual lamp Floodlight/8° Spotlight combination and Pioneer Max™ dual floodlight with dual 8° spotlights
- Solid-state electronics and lamps
- Instant On/Off eliminates ramp-up time and high current in-rush
- Recessed housing mounts straight out or 15° fixed downward angle to maximize light effectiveness
- Removable handle standard on pedestal and pole mount models
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI
- Available in 12, 24 VDC and UL® listed 120 VAC
- 120 VAC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops
- HDP® Heavy-Duty Professional five year warranty

PTP1- 2° Spotlight

PSP1- 8° Spotlight

PCP2 - Floodlight & 8° Spotlight

PCP3 - Pioneer Max Floodlight & 8° Spotlight

## Lighthead only  (Mounting Purchased Separately)

| Model | Series | Lamp Type | Housing Color | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|---|
| PTP1 | Pioneer Plus Spotlight | single 2° | White | 12 | 6.5 | 83.2 | 8,000 | 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L |
| PSP1 | Pioneer Plus Spotlight | single 8° | White | 12 | 6.5 | 75 | 8,000 | 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L |
| PCP2 | Pioneer Plus Spotlight/ Floodlight | dual combination Floodlight & 8° Spotlight | White | 12 | 12 | 75/75 | 8,000/8,000 16,000 total | 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L |
| PCP3 | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | White | 12 | 16.5 | 225 | 20,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |
| PCP3B | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | Black | 12 | 16.5 | 225 | 20,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |
| PCP34 | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | White | 24 | 8.2 | 210.4 | 20,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |
| PCP34B | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | Black | 24 | 8.2 | 210.4 | 20,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |
| PSP1AC | Pioneer Plus 8° Spotlight | single 8° | White | UL® Listed 120 AC | .6 | 75 | 7,500 | Single: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L |
| PCP2AFS | Pioneer Plus Spotlight/ Floodlight | dual Flood - Left Spot - Right | White | UL® Listed 120 AC | 1.2 | 150 | 15,000 | Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L |
| PCP2ASF | Pioneer Plus Spotlight/ Floodlight | dual Flood - Right Spot - Left | White | UL® Listed 120 AC | 1.2 | 150 | 15,000 | Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L |
| PCP3A | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | White | UL® Listed 120 AC | 1.5 | 180 | 17,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |
| PCP3AB | Pioneer Max Spotlight/ Floodlight | combination dual Floodlight & dual 8° Spotlight | Black | UL® Listed 120 AC | 1.5 | 180 | 17,000 | 6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L |

# Pioneer™ & Pioneer Plus™ Series Mounting Options

PBAPEDA/
PBAPEDD
Pedestal
mount
adapter

## Mounting Options (Lightheads Purchased Separately)

| Model # | Series | Lamp | Description | Size |
|---|---|---|---|---|
| PBAPEDA | mounting options only for Pioneer and Pioneer Plus lightheads | single & dual | pedestal mount adapter for AC models, includes 20' of 3-C cable | 4-1/2" (115mm) H x 3-1/8" (79mm) D x 3-1/8" (79mm) L |
| PBAPEDD | | | pedestal mount adapter for DC models, includes 20' of 4-C cable | |
| PBA103 | | single | semi-recessed mount with Chrome trim ring, housing mounts the floodlights straight out or at 15° downward angle | 7-5/8" (194mm) H x 3-3/4" (82mm) D x 11-7/8" 208mm) L |
| PBA203 | | dual | | 7-15/16" (201mm) H x 3-3/4" (82mm) D x 17-3/16" (436mm) L |
| PBA106U | | single | universal bail bracket tilts up/down, adjustable to 25º upward or downward angle | 4-5/8" (118mm) H x 3-3/16" (80mm) D x 8-3/16" (208mm) L |
| PBA206U | | dual | | 4-5/8" (118mm) H x 3-3/16" (80mm) D x 14" (357mm) L |

PBA103/PBA203
Semi recessed mount with
Chrome trim ring

PBA106U/PBA206U
Universal bail bracket

## Pedestal/Swivel Mounting (Lighthead Included with Mounting)

| Model # | Series | Lamp | Lamp Type | Voltage | Housing | Size |
|---|---|---|---|---|---|---|
| PFA1LP | Pioneer | single | floodlight | 12 VDC | White | 7" (158mm) H x 3-1/8" (80mm) D x 8-3/16" (208mm) W |
| PFA1LPB | | | | | Black | |
| PFP1LP | Pioneer Plus | | | | White | |
| PFP1LPB | | | | | Black | |
| PSP1LP | | | 8° spotlight | | White | |
| PSP1LPB | | | | | Black | |
| PTP1LP | | | 2° spotlight | | White | |
| PTP1LPB | | | | | Black | |
| PSP1ALP | | | 8° spotlight | 120 VAC | White | |
| PSP1ALPB | | | | | Black | |

PFP1LP
Low profile pedestal/swivel mount

Designed for the Freedom LED Lightbar flashing/steady-burn flasher module, standard in each bar. This option allows you to mount one or two lamp Pioneer or Pioneer Plus floodlights with 20° adjustable angle without having to drill mounting and wire holes on your vehicle. Accommodates Freedom lightbars 55" and up. Includes all mounting hardware.

## Freedom® Lightbar Mounting

| Mounting | Series | Lamp | Description |
|---|---|---|---|
| PFA1LB1 | Pioneer | single | one Pioneer, center mounted for 55" and up |
| PFA1LB2 | | | two Pioneers with mounting brackets for 72" and up |
| PFA2LB1 | | dual | one Pioneer, center mounted for 55" and up |
| PFA2LB2 | | | two Pioneers with mounting brackets for 72" and up |
| PFP1LB1 | Pioneer Plus | single | one Pioneer Plus, center mounted for 55" and up |
| PFP1LB2 | | | two Pioneer Plus with mounting brackets for 72" and up |
| PFP2LB1 | | dual | one Pioneer Plus, center mounted for 55" and up |
| PFP2LB2 | | | two Pioneer Plus with mounting brackets for 72" and up |

# Pioneer™, Pioneer Plus™ & Pioneer Max™ Series Mounting Options

## Pedestal/Pole Mounting (Lighthead Included with Mounting)



PFP1P1
Pole/Ped mount
with handle
and switch



PFP2P
Pole/Ped mount
with handle,
without switch



PCP3P1
Pole/Ped mount with handle and switch

| Model # | Series | Lamp | Lamp Type | Voltage | Switch | Housing | Size with handle |
|---|---|---|---|---|---|---|---|
| PFA1P | Pioneer | single | floodlight | 12 VDC | - | White | Single Lighthead: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 10-13/16" (275mm) L |
| PFA1PB | | | | | - | Black | |
| PFA1P1 | | | | | On/Off | White | |
| PFA1P1B | | | | | On/Off | Black | |
| PFA2P | | dual | | | - | White | |
| PFA2PB | | | | | - | Black | |
| PFA2P1 | | | | | On/Off | White | |
| PFA2P1B | | | | | On/Off | Black | |
| PFP1P | Pioneer Plus | single | floodlight | | - | White | |
| PFP1PB | | | | | - | Black | |
| PFP1P1 | | | | | On/Off | White | |
| PFP1P1B | | | | | On/Off | Black | |
| PFP2P | | dual | | | - | White | Dual Lighthead: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) L |
| PFP2PB | | | | | - | Black | |
| PFP2P1 | | | | | On/Off | White | |
| PFP2P1B | | | | | On/Off | Black | |
| PSP1P | | single | 8° spotlight | | - | White | |
| PSP1PB | | | | | - | Black | |
| PSP1P1 | | | | | On/Off | White | |
| PSP1P1B | | | | | On/Off | Black | |
| PCP2P | | dual | combination flood and 8° spotlight | | - | White | |
| PCP2PB | | | | | - | Black | |
| PCP2P2 | | | | | Dual On/Off | White | |
| PCP2P2B | | | | | Dual On/Off | Black | |
| PCP3P | Pioneer Max | dual x 2 | combination dual floodlight & dual 8° spotlight | | - | White | 10-13/16" (275mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) L |
| PCP3P1 | | | | | On/Off | Black | |
| PFP1AP | Pioneer Plus | single | floodlight | 120 VAC | - | White | Single Lighthead: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 10-13/16" (275mm) L |
| PFP1APB | | | | | - | Black | |
| PFP1AP1 | | | | | On/Off | White | |
| PFP1AP1B | | | | | On/Off | Black | |
| PFP2AP | | dual | | | - | White | |
| PFP2APB | | | | | - | Black | |
| PFP2AP1 | | | | | On/Off | White | |
| PFP2AP1B | | | | | On/Off | Black | |
| PSP1AP | | single | 8° spotlight | | - | White | Dual Lighthead: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) L |
| PSP1APB | | | | | - | Black | |
| PSP1AP1 | | | | | On/Off | White | |
| PSP1AP1B | | | | | On/Off | Black | |
| PCP2AP | | dual | combination floodlight and 8° spotlight | | - | White | |
| PCP2APB | | | | | - | Black | |
| PCP2APB1 | | | | | On/Off | White | |
| PCP2APB1B | | | | | On/Off | Black | |
| PCP3AP | Pioneer Max | dual x 2 | combination dual floodlight & dual 8° spotlight | | - | White | 10-13/16" (275mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) L |
| PCP3APB | | | | | - | Black | |
| PCP3AP1 | | | | | On/Off | White | |
| PCP3AP1B | | | | | On/Off | Black | |

# Side Mount

- ■ Side Mount Pedestal available in AC or DC models with 5" or 7" non-adjustable stand-off mounting brackets
- ■ Wire internal (exits bottom), external wire (exits side of knuckle) adapter
- ■ Three conductor internal wire input for AC. Four conductor for DC models
- ■ Requires lighthead and pedestal mount adapter, purchased separately



87711AB
Side mount
with 5" stand off
bracket. Shown
with PCP2AP1B
lighthead and
pedestal mount
adapter

## Side Mount (Lighthead Purchased Separately)

| Model # | Series | Lamp | Wire Exit | Voltage | Bracket |
|---|---|---|---|---|---|
| 87711AB | side mounting option only for Pioneer and Pioneer Plus lightheads | single or dual lighthead | internal | 12 VDC | 5" |
| 87711BB | | | | | 7" |
| 87711AD | | | external | | 5" |
| 87711BD | | | | | 7" |
| 87711AA | | | internal | 120 VAC | 5" |
| 87711BA | | | | | 7" |
| 87711AC | | | external | | 5" |
| 87711BC | | | | | 7" |

# Super-LED® Work Lights

**WHELEN**

## Pioneer™ Series Pole Mounting Options

**3000 Series**

**MTO**

### 57" Side Mount Pole Assemblies Top Mount - Pull-Up

## 3000, 3100 & 3050 Series Pole Mounting Options
### (Lighthead Purchased Separately)

- Extruded aluminum AC and DC pole assemblies
- Side and Thru Body mount versions
- Side mount poles outer bodies available in 12", 20", 30", 35" & 40"
- 3050 Series 30", 40" & 50" side mount pull up pole, for use with 120 VAC Pioneer and Pioneer Plus lightheads
- Three conductor internal wire input for AC models. Four conductor for DC models
- Silver powder coated non-adjustable stand-off mounting brackets available in 2", 3", 5" and 7"
- Poles and outer bodies are anodized to eliminate corrosion
- Optional lower side mount cradle bracket with electromagnetic sensor indicates if the pole has been seated properly into the cradle for travel (customer supplied warning indicator light)
- Custom pole lengths available. Download Pioneer Designer Program to design custom pole assemblies
- Requires Pioneer with pole/pedestal mount adapter (purchased separately)
- Five-year HDP® Heavy-Duty Professional warranty

PFP2AP1 lighthead
(sold separately)

PCP2APB1 lighthead
(sold separately)

**Top Mount, Pull-Up**
Mount is above the outer body. Pull-up to extend pole.

**3050 Series**

### 30", 40" & 50" Side Mount Pole Assemblies Top Mount - Pull-Up

Side mount stand-off mounting brackets

2" (50mm)

3" (76mm)

5" (127mm)

7" (178mm)
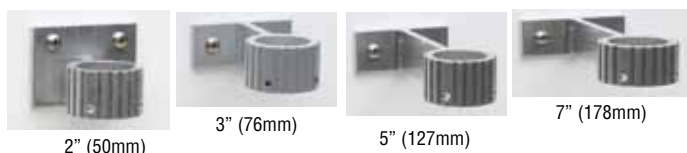
Side mount internal sensor

Bottom mount lower cradle sensor

Side mount    Sensor

Sensor    Cradle

Electro-magnetic sensor indicates pole has been seated correctly into cradle for travel.

For models numbers on Pioneer pole assemblies, please request Pioneer Pole Price List.

20" (508mm) outer body

12" (305mm) outer body

5" (127mm) stand-off mounting brackets

PCP3AP lighthead
(sold separately)

30" (762mm) Model shown not extended

30" (762mm) outer body

2" (50mm) stand-off mounting brackets

## Pioneer Designer Program

Build or customize your Pioneer lighthead mounting with "Whelen's Pioneer Designer" download from our website at **www.whelen.com**
Pioneer Designer lets you pick and choose options and enter custom pole and lighthead requirements
Starting from the Home Page, go to
- Automotive
- Tech Support
- Software Downloads
- Choose Pioneer Designer and click on download

PIONEER DESIGNER

## Pioneer™ Series Pole Mounting Options  MTO

### 3000 Series

#### 57" Side Mount Pole Assemblies
#### Bottom Mount - Push-Up

Shown with
PFP2P1B
lighthead
(sold separately)

Shown with
PFP2P1B
lighthead
(sold separately)

2"
(50mm)
stand-off
mounting
brackets

12"
(305mm)
outer body

20"
(508mm)
outer body

7"
(178mm)
stand-off
mounting
brackets

**Bottom
Mount,
Push-Up**

Mount is
below the
outer body.
Push-up
to extend
pole.
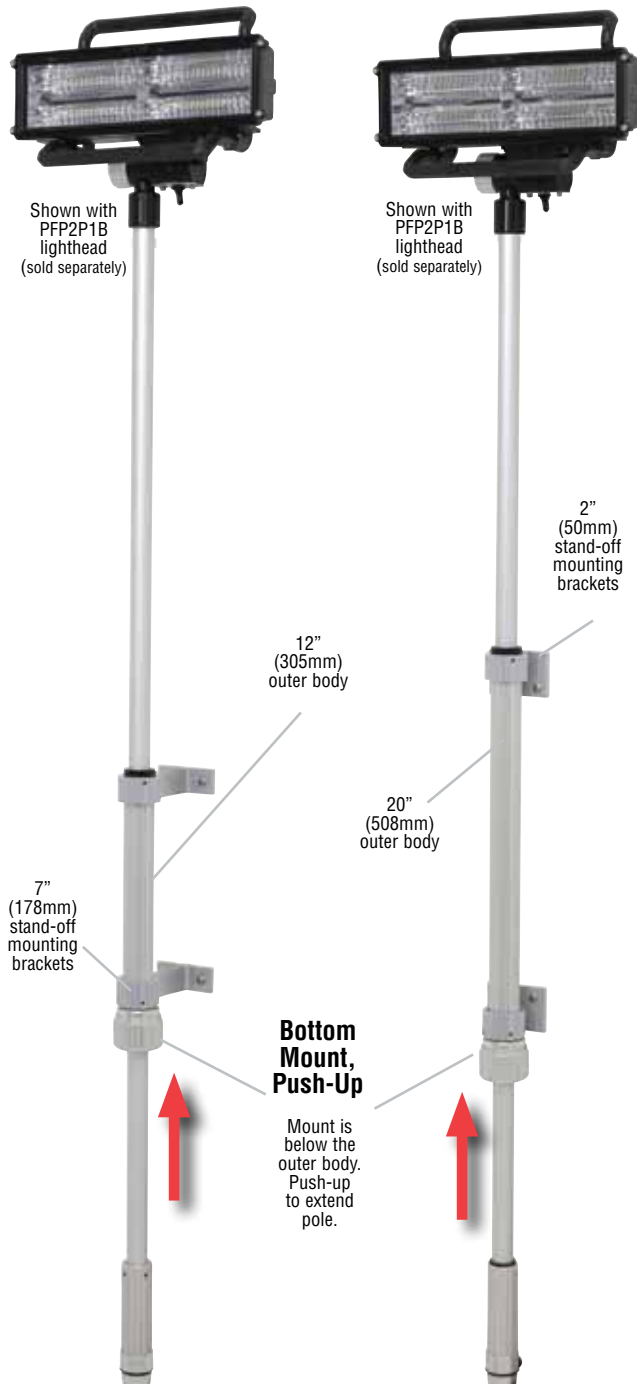
### 3100 Series

#### 57" Thru Mount Pole Assemblies

**Top Mount
Pull-Up**

**Bottom Mount
Push-Up**

External
Exit Wire

Shown with
PCP2P2
lighthead
(sold separately)

Shown with
PFP1P1
lighthead
(sold separately)

Vehicle Body

**Top Mount,
Pull-Up**

Mount is above
the vehicle's body.
Pull-up
to extend pole.

Sensor option
indicates pole
has been
seated
correctly into
cradle for travel.
Indicator light
customer
supplied.

**Bottom
Mount,
Push-Up**

Mount is below the
vehicle's body.
Push-up from inside
vehicle's
compartment
to extend pole.

Internal
Wire
Exit

# Super-LED® Work Lights

## Pioneer™ Series Mounting Options

### 3200 Series
### Folding Tripod AC Pole Assemblies

**(Lighthead Purchased Separately)**

- ■ Extruded aluminum AC tripod assemblies
- ■ Large 50", medium 40" and small 30" models
- ■ Tripod models available are:
  - • Wireless for use with ground tripod
  - • With inner coil cord with or without plug
  - • With loose external coil cord for top wire exit with plug or without plug
- ■ All moving aluminum parts are isolated with nylon bushings for smooth adjustment and fold outs
- ■ Poles, outer bodies and folding legs are anodized to eliminate corrosion
- ■ Optional tripod quick disconnect mount kit
- ■ Optional ground tripod mounting bracket
- ■ Requires Pioneer with pole/pedestal mount adapter (purchased separately)
- ■ Five-year HDP® Heavy-Duty Professional warranty

MTO

Large tripod shown at maximum 42.25" extension.

Upper tripod quick disconnect mounting bracket.

Lower folding tripod mounting cradle Model 8728301

Folded tripod in mounting cradle

Large 50"   Medium 40"   Small 30"

### 3300 Series
### Ground Tripods

MTO

**(Lighthead Purchased Separately)**

- ■ White powder coated cast aluminum AC portable ground tripod
- ■ Includes stationary quick disconnect mount
- ■ Supplied with 12" cable
- ■ Optional plug available
- ■ Five-year HDP Heavy-Duty Professional warranty

Shown with optional plug.

Ground tripod with stationary quick disconnect mount.

Underneath side showing pin that recesses into stationary quick disconnect mount, included with ground tripod for secure storage.

Quick disconnect mount attaches to ground tripod mount.

Optional Model 8728302 ground tripod mount includes quick disconnect for 3200 Series folding tripod.

Finished assembly of ground tripod mounted on top of folding tripod pole with ground tripod mount.

# Super-LED® Work Lights

**WHELEN**

## PAR-36 and PAR-46

- Choose floodlight or spotlight models
- Black cast aluminum housing
- Super-LED with low current draw
- Stainless steel bracket and hardware included
- Two intensities available
- For 24 VDC models, contact factory
- Available in White
- Five year HDP® Heavy-Duty Professional warranty

Stud/swivel mount with On/Off switch

PFBS12
Stud/swivel mount

PFBP12C showing T-Handle with Chrome cover and pedestal swivel mount

### Floodlight Models

| Model No. | Diodes | Amps | Lumens | Mount | Switch | Handle | Rear Cover |
|---|---|---|---|---|---|---|---|
| PFBP12 | 12 | 1.7 | 1000 | pedestal swivel | built-in on/off switch | yes | Black |
| PFBP12C | | | | | | | Chrome |
| PFBP6 | 6 | .85 | 500 | | | | Black |
| PFBP6C | | | | | | | Chrome |
| PFBS12 | 12 | 1.7 | 1000 | stud/ swivel | - | - | Black |
| PFBS12C | | | | | | | Chrome |
| PFBS6 | 6 | .85 | 500 | | | | Black |
| PFBS6C | | | | | | | Chrome |
| PFBS6S | | | | | built-in on/off switch | | Black |
| PFBS12S | 12 | 1.7 | 1000 | | | | |

### Spotlight Models

| Model No. | Diodes | Amps | Lumens | Mount | Switch | T-Handle | Rear Cover |
|---|---|---|---|---|---|---|---|
| PSBP12 | 12 | 1.7 | 1000 | pedestal swivel | built-in on/off switch | yes | Black |
| PSBP12C | | | | | | | Chrome |
| PSBP6 | 6 | .85 | 500 | | | | Black |
| PSBP6C | | | | | | | Chrome |
| PSBS12 | 12 | 1.7 | 1000 | stud/ swivel | - | - | Black |
| PSBS12C | | | | | | | Chrome |
| PSBS6 | 6 | .85 | 500 | | | | Black |
| PSBS6C | | | | | | | Chrome |
| PSBS6S | | | | | built-in on/off switch | | Black |
| PSBS12S | 12 | 1.7 | 1000 | | | | |

## Hand Held Spot/Floodlights

- 90# pull magnet mount with 8' coiled cord and cigar plug
- Built-in push-button On/Off switch
- Five year HDP Heavy-Duty Professional warranty

P36HHS   P46HHS

| Model No. | Lighting | Diodes | VDC | Amps | Lumens | Mount |
|---|---|---|---|---|---|---|
| P36HHS | spot/flood | 6 | 12/24 | 0.85 @ 12 VDC 0.425 @ 24 VDC | 500 | hand held includes magnet |
| P46HHS | spotlight | 18 | 12 | 2.3 | 2000 | |

## Rubber Housing Spot/Floodlights

- Rubber stud/swivel housing
- Available with or without lighthead
- Five year HDP Heavy-Duty Professional warranty

| Model No. | Lighting | Diodes | VDC | Amps | Lumens | Mount |
|---|---|---|---|---|---|---|
| P36SLCHG | spot/ flood | 6 | 12/24 | 0.85 @ 12 VDC 0.425 @ 24 VDC | 500 | stud/ swivel |
| P46SLCHG | spotlight | 9 | 12 | 2.3 | 2000 | |

P36SLCHG   P46SLCHG

## Replacement Lamps

| Model No. | Model | Lighting | Diodes | VDC | Amps | Lumens |
|---|---|---|---|---|---|---|
| P36SLC | PAR-36 | spot/flood | 6 | 12/24 | 0.85 @ 12 VDC 0.425 @ 24 VDC | 500 |
| P46SLC | PAR-46 | 2° spotlight | 9 | 12 | 2.3 | 2000 |
| P46FLC | | 8° spotlight | 18 | | 1.9 | 1600 |
| P46WLC | | 20° high x 60° wide floodlight | | | | |

P36SLC   P46SLC   P46FLC   P46WLC

# Super-LED® Work Lights

**WHELEN**
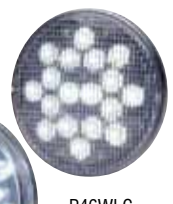
## Pan & Tilt™ Spotlight

- Wired or wireless controlled spotlight
- Rated to last thousands of hours with remarkable bright light
- Wireless controller mounts anywhere
- Proportional push-button control for quick and easy operation
- Low amp draw
- Tilts 90° up and 20° down
- Pans 420° horizontally
- Defaults to home position after use
- Size: 8-3/4" (220mm) H x 7-3/4" (196mm) Dia
- Available in White
- Five year HDP® Heavy-Duty Professional warranty

**MTO**

PT360P
shown in tilted
position

PT360F
Flange mount
shown in home
position

Wired or wireless
controls

| Model No. | Mount | Controller | Base | Lens | Amps | Lumens | VDC |
|---|---|---|---|---|---|---|---|
| PT360P | permanent | wired | polycarbonate | hard coated polycarbonate to resist scratches and UV damage | 2 A (max) | 1475 | 12 |
| PT360PW | | wireless | | | | | |
| PT360F | flange | wired | | | | | |
| PT360FW | | wireless | | | | | |

## PAR-36 Heavy-Duty Work Light

- Cast aluminum housing
- Includes stainless steel pedestal/swivel mount
- Deutsch waterproof connector
- Mounts standing or hanging
- 24 VDC available, contact factory
- Available in White
- Five year HDP Heavy-Duty Professional warranty

| Model No. | Lighting | Diodes | Lumens | VDC | Amps | Size |
|---|---|---|---|---|---|---|
| 3PC0C0CD | spotlight | 9 | 1,000 | 12 | 1.70 | 6-3/4" (171mm) H x 2-1/2" (64mm) D x 4-3/4" (121mm) L (without mounting) |

**WHELEN**

## Power Control Centers & Switches

- Adjustable bail bracket mounting
- Backlit function windows for choice of 72 standard press-on legend tabs
- PCC8R's basic eight position keypad with remote relay box is ideal for DOT, Tow and Wrecker vehicles
- Hand held or mounted to the dash or console, the WCC9 replaces the standard ECM (Electronic Control Module) on WeCan® lightbars
- Two year warranty

PCCS9RW

PCC4W

PCCS9LW

PCC6W
PCC6W1

WCC9
WCC92

PCC8R

PCC10W
PCC10W1

| Model No. | Type and Usage | No. of Switches | Switch type | LED "On" Indicator | Installation | VDC | Size |
|---|---|---|---|---|---|---|---|
| PCCS9RW | high current center for lightbars/lighting systems without need for separately mounted relays or relay boxes | 6 push-buttons and 1 four position dip switch programmable slide switch | 6 On/Off, momentary 20 amp relays | yes | 11 fast-on for outputs 4 pos AMP Mate-N-Lok® -for control 2 pos Molex Mini Fit SR® - for power | 12 | 1-5/8" (40mm) H x 6-1/4" (159mm) D x 6" (152mm) L |
| PCCS9LW | economical control center for use with Freedom®, & Liberty II™ lightbars | | 6 On/Off, 1 programmable On/Off switch | | 1 nine position and 5 conductor AMP Mate-N-Lok connector to match lightbar cables | | 1-5/8" (40mm) H x 4" (102mm) D x 6" (152mm) L |
| PCC4W | SPST, lighted switches | 4 | 25 amp | | 5 wires power input, 5 wires output | | 2-1/4" (57mm) H x 4" (102mm) D x 3-1/4" (83mm) L |
| PCC6W | | 6 | 6-25 amp | | 8 position rear connector block | | 2-1/4" (57mm) H x 3-5/8" (92mm) D x 6-5/8" (168mm) L |
| PCC6W1 | | | 5 25 amp, 1 momentary | | | | |
| PCC10W | | 10 | 20 amp | | | | |
| PCC10W1 | | | 9 20 amp, 1 momentary | | | | |
| PCC8R | eight position key pad with remote relay box | 8 | 3 20 amp relays and 5 10 amp relays | | 8 position rear connector block, supplied wiring harness | | Relay Box: 1-1/4" (32mm) H x 4-3/4" (121mm) D x 7-1/4" (184mm) L Control head same as WCC9 |
| WCC9 | electronic control for Freedom and Justice® WeCan Lightbars | 6 push-buttons and 1 four position dip switch programmable slide switch for 10 primary functions | 6 normally open, momentarily closed tactile switches with 3-position slide switch | | small diameter, 22 gauge, 2-C cables mates to your WeCan lightbar for easy installation | | 2-1/2" (64mm) H x 7/8" (22mm) D x 4-3/16" (106mm)L |
| WCC92 | electronic control for Liberty II and Legacy® WeCan Lightbars | | | | | | |

| Switch Panel Models | | | | | |
|---|---|---|---|---|---|
| Model No. | Type | Usage | No. of Switches | Switch Type | Illuminated |
| 1SWITCH | "L" shaped aluminum switch bracket only choose switches from choices below | for 1 switch | optional | - | - |
| 2SWITCH | | for 2 switches | | | |
| 3SWITCH | | for 3 switches | | | |
| 4SWITCH | | for 4 switches | | | |
| PC1 | switch only with 15 amp contact | On/Off | 1 each | SPST | yes |
| PC2 | | momentary On | | | - |
| PC3 | | On/Off/On | | SPDT | yes |
| PC4 | | On/On | | | |
| PC5 | | On/Off/On | | DPDT | - |
| PC5S | | strobe Hi/Off/Low | | | |

4SWITCH

3SWITCH

2SWITCH

1SWITCH bracket with PC1 switch

# Flashers, Back-Up Alarms & Plow Lights

## Flashers

- Polycarbonate housing
- Fully encapsulated for moisture, vibration and corrosion resistance
- UHF Series has external mounting flanges
- Two year warranty

SSFPOS

UHF2150A

ULF44

UFM8
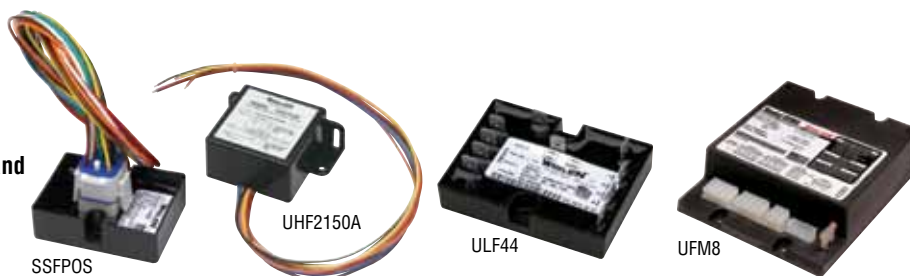
| Model No. | Usage | Solid-State | Outlets | Outlet Switching | Amps per Outlet | VDC | Flash Patterns | Size |
|---|---|---|---|---|---|---|---|---|
| SSFPOS | positive switching headlights | 100% | 2 outlets | 1x1 | 12.5 | 12 | 7 | 7/8" (22mm) H x 2-3/4" (70mm) D x 2" (50mm) L |
| UHF2150A | positive or negative switching headlights | controlled relay output | | | | | 4 | 1-1/2" (38mm) H x 3" (76mm) D x 4-1/4" (108mm) L |
| ULF44 | LED lighthead | | 4 outlets 4 channels | 2x2 | 5 | | 62 alt/simul | 3/4" (26mm) H x 3-1/2" (89mm) D x 2-3/4" (70mm) L |
| UFM8 | halogen/LED lighthead | | 4 outlets | 2x2x2x2 | | | 17 | 3/4" (26mm) H x 3-1/2" (89mm) D x 2-3/4" (70mm) L |

| Model No. | Option Description |
|---|---|
| LEDLOAD | in-line load resistor kit to interface with OEM turn signal circuit |

## Electronic Back-Up Alarms

- **Meets OSHA, Bureau of Mines, and all State regulations**
- Glass filled nylon housing
- Encapsulated solid-state electronics
- Steam cleanable; pressure washable
- Mount horizontally or vertically
- One year warranty

WBUA97
WBUA107

WBUA112
WBUA112C

| Model No. | Decibels | SAE Code | VDC | Size |
|---|---|---|---|---|
| WBUA97 | 97 | SAE J994 - Type C | 12/24 | 2-3/4" (69mm) H x 1-1/2" (38mm) D x 4" (102mm) L |
| WBUA107 | 107 | SAE J994 - Type B | | 2-3/4" (69mm) H x 1-1/2" (38mm) D x 4" (102mm) L |
| WBUA112 | 87-112 | -- | | 4" (101mm) H x 2-7/8" (73mm) D x 5-1/8" (130mm) L |
| WBUA112C | 112 | SAE J994 - Type A | | 4" (101mm) H x 2-7/8" (73mm) D x 5-1/8" (130mm) L |

## Wing Plow™ Super-LED® Series

- Fully encapsulated for vibration, moisture and corrosion resistance
- Two styles of Amber lightheads provide complete coverage whether snowplow wing is in the operation position or in the stowed travel position
- Five year HDP® Heavy-Duty Professional warranty

WPLOW2A

WPLOW1A

WPLOWZ1A

WPLOWZ2A

MTO

WPLOW3AA

| Model No. | Usage | Technology | Flash Patterns | Cable | VDC | Housing |
|---|---|---|---|---|---|---|
| WPLOW1A | Deployed | TIR3™ SmartLED | 24 Scan-Lock™ plus steady-burn | 20' heavy-duty TPR with built in strain relief connectors | 12 | rugged cast aluminum |
| WPLOW2A | Stowed | | | | | |
| WPLOW3AA | Deployed/Stowed | | | | | |
| WPLOWZ1A | Deployed | LINZ6™ SmartLED | | | | |
| WPLOWZ2A | Stowed | | | | | |
| WPLOWZ3A | Deployed/Stowed | | | | | |

| Model | Option Description |
|---|---|
| W441DIN | Deutsch® waterproof 3 pins and connector kit, cable end |
| W442DIN | Deutsch waterproof 3 sockets and connector kit, lighthead end |

**WHELEN**

## Fleet-Rack™

**MTO**

- Fleet-Rack frame design mounts a variety of emergency lighting products including: full size or mini lightbars, beacons, auxiliary lighting and flood or spot lights
- TA Fleet-Rack frame design incorporates a factory installed, integrated 16-Lamp ION™ Super-LED® Traffic Advisor™ (left, right, split, and flash)
- Steel construction with Black powder coating
- Pre-drilled access holes accommodate a wide range of lighting
- Installs easily for fleets integrating both lighting and truck rack
- Wiring channels protect and cover wiring for security, long life serviceability and a neat, professional appearance for your truck

Base model with a Liberty™ II lightbar and ION Traffic Advisor

### Fleet-Rack

| Model No. | Vehicle |
|---|---|
| FR01 | Ford Super-Duty, 2015 |
| FR03 | Chevy Silverado, 1500, 2500 Series, 2015 |
| FR04 | Dodge Ram 1500 without RAMBOX, 2015 |
| FR05 | Ford F150, 2015 |

### Fleet-Rack ION Traffic Advisors

| Model No. | Vehicle |
|---|---|
| TAFR01 | Ford Super-Duty, 2015 |
| TAFR03 | Chevy Silverado, 1500, 2500 Series, 2015 |
| TAFR04 | Dodge Ram 1500 without RAMBOX, 2015 |
| TAFR05 | Ford F150, 2015 |

### Optional Kits

| Model No. | Description | Rack Model |
|---|---|---|
| FRCS | center window screen guard | FR03, FR05, TAFR03, TAFR05 |
| FRCS04 | center window screen guard | FR04 |
| FRCSSD | center window screen guard | FR01 |
| FRWS | wing window screen guard | FR03, FR04, FR05 |
| FRWSSD | wing window screen guard | FR01 |
| FRCB | center window bar guard | Fits All |
| FRWB | wing window bar guard | FR01, FR03, FR04, FR05 |
| FRCBM | Whelen beacon center mount bracket | FR01, FR03, FR04, FR05 |
| FREBM | Whelen beacon corner mount bracket | FR01, FR03, FR04, FR05 |

## Base Models

Designed to fit specific vehicle body styles and includes pre-drilled holes and wire channel access for every mounting option available
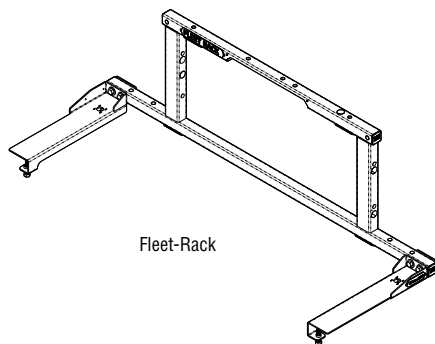
Fleet-Rack
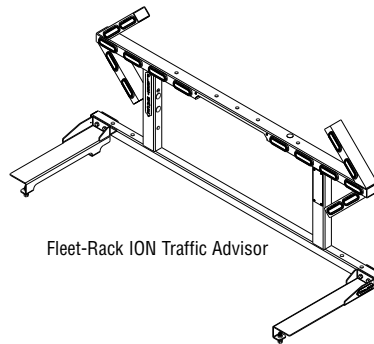
Fleet-Rack ION Traffic Advisor

## Base Model with optional:
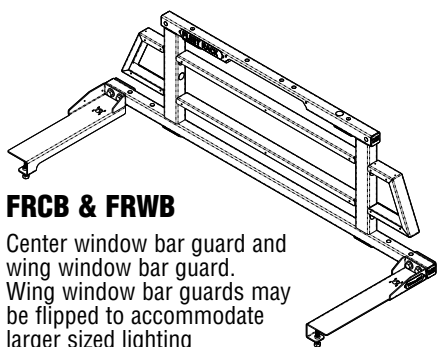
### FRCB & FRWB

Center window bar guard and wing window bar guard. Wing window bar guards may be flipped to accommodate larger sized lighting
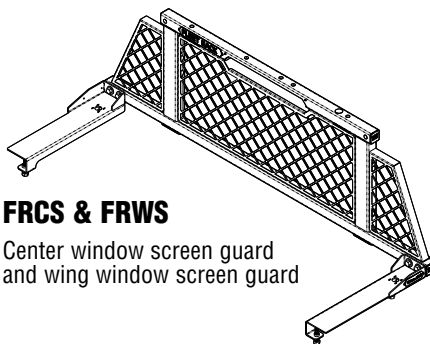
### FRCS & FRWS

Center window screen guard and wing window screen guard
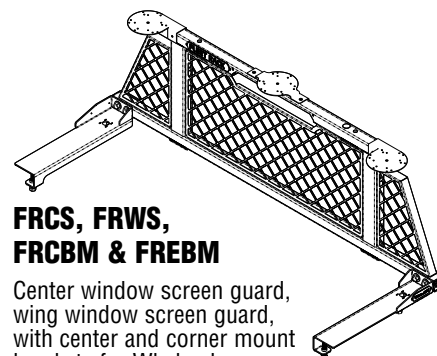
### FRCS, FRWS, FRCBM & FREBM

Center window screen guard, wing window screen guard, with center and corner mount brackets for Whelen beacons

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# Legal Lighting Systems

- All Whelen DOT3® Legal Lighting Systems are certified by an AMECA-accredited testing laboratory to meet or exceed SAE Class 1 warning lighting requirements in the appropriate specified safety colors
- High and wide lighting profiles helps outline vehicles during operation
- Increased rear-end visibility with wide-angle Super-LED lightheads visible even when dump body is in raised or lowered position
- All lightheads are supplied with Deutsch® waterproof connectors

- All warning lighthead colors are Amber. For other colors, contact factory
- Hard coated lenses resist environmental damage from the sun, salt and road chemicals
- The system offers multiple flash patterns and sequence options
- Each system includes complete installation kit
- Optional aluminum housings available
- Five year HDP® Heavy-Duty Professional warranty

# DOT3 System Components

## Front System Components

Choice of four Super-LED models with 360° warning visibility for front coverage. Includes 60' of heavy-duty TPE cable

### Micro Freedom™
3-3/4" (95mm) H x 9-5/16" (236mm) D x 12-5/16" (312mm) L

### Micro 400
3-3/4" (95mm) H x 10-3/4" (272mm) D x 10" (254mm) L

### Stainless Steel Micro 400
3-5/8" (92mm) H x 8-1/4" (209mm) D x 8-1/4" (209mm) L

### Remote L31 Beacon
4-1/2" (102mm) H x 7-3/16" (182mm) Dia.

## Rear Lightheads

Rear lightheads are offered in 3 sizes.
**New** 400 V-Series™ features primary 180° warning and secondary directional lighting with Linear optics

### 400 Series
4-15/16" (124mm) H x 3-3/16" (77mm) W
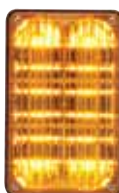
### 400 V-Series™

### 500 Series
5" (127mm) H x 1-5/8" (41mm) W

### 700 Series
7-1/4" (184mm) H x 3-1/16" (78mm) W

## Rear Housings

Rear mounted lightheads include 30' heavy-duty, oil resistant TPE jacketed cable with strain relief flex tubing and couplings that provide added safeguard against the elements.
Choice of standard heavy-duty welded stainless steel or optional aluminum housings

### 400 Series
Height: Single: 5-7/8" (149mm)
Double: 11-3/8" (290mm)
Triple: 17" (430mm)
Width 3-1/2" (88mm)
Depth: 4-3/4" (120mm)

### 500 Series
Height: Single: 7" (178mm)
Double: 13-3/4" (348mm)
Triple: 20-3/8" (518mm)
Width: 2-1/2" (65mm)
Depth: 5" (127mm)

### 700 Series
Height: Single: 8-3/8" (213mm)
Double: 16-1/4" (412mm)
Triple: 24" (608mm)
Width 3-1/2" (88mm)
Depth: 5" (127mm)

## DOT3® Standard Components



12" protective flex tubing and couplings to the lighthead connections protects the cabling and provides strain relief



Waterproof, oil and corrosion-resistant tin coated, pure copper stranded conductors used in all TPE cables. Each wire strand in each cable is tin coated for the full length of the cable, providing superior longevity. Designed to last for the life of the vehicle. Optional cable lengths are available



Centralized DOT Flasher/Junction box for total system control. Offers various flash patterns, system flash sequence, and switching flexibility. The flasher also provides onboard Diagnostix™



Top of the line Deutsch® waterproof connectors furnished with all rear lightheads



400 & 700 Series lighthead housings are 7 gauge and 500 Series are 11 gauge welded stainless steel. You may choose optional welded aluminum housings

## DOT3 Options



**New 400 V-Series™** features primary 180° warning and secondary directional lighting with Linear optics - SUB4V400



L31 Branch Guard with cast aluminum base - L360BGB



Wing Plow™ Lighting Systems with TIR3 or LINZ6™ light modules for high visibility in both the snowplow's wing in stowed and travel positions -
WPLOW3AA - TIR3
WPLOWZ3A - LINZ6



Combination LED spot/flood or flood work light with rubber housing and stainless steel hardware -
P36SLCHG - Spot/Floodlight
P46SLCHG - Floodlight



TIR3™ Side Light for 400 and 700 Series rear housings -
ADD4TIR3 - 400 Series
ADD7TIR3 - 700 Series



Switch Control Panels rated at 25 amps per switch -
PCC4W - 4 switch
PCC6W - 6 switch



Extension Cables in single or pairs in 30' and 45' lengths (See current price list for models)



DOT Photocell for Hi/Low power, includes Black flange - DOTPHOTO
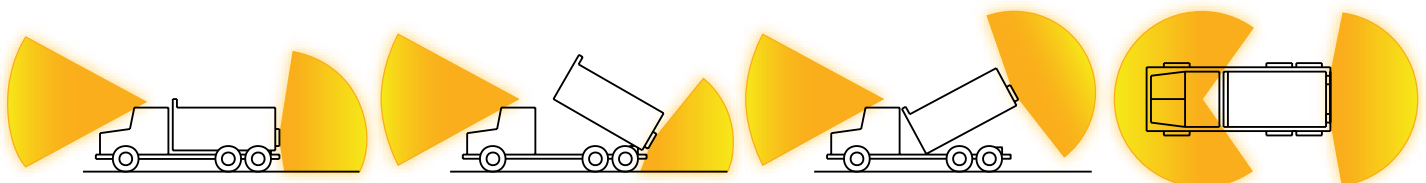


Wide-angle lightheads give visibility with the dump box in raised and lowered positions.

# DOT-LED® Super-LED®

WHELEN

## Standard System Configurations

## DOT3401, DOT3501 & DOT3701

### 4 Light System

**Two Micro Freedoms with extended corner modules and two rear lighthead options**
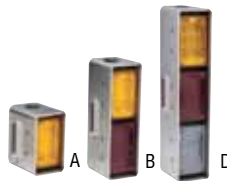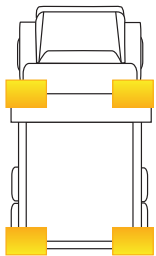
**SYSTEM 401 with 400 Series Lightheads**
DOT3401A .........Warning
DOT3401B .........Warning and brake/tail/turn
DOT3401D .........Warning, brake/tail/turn and back-up
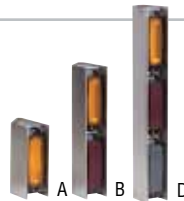
**SYSTEM 501 with 500 Series Lightheads**
DOT3501A .........Warning
DOT3501B .........Warning and brake/tail/turn
DOT3501D .........Warning, brake/tail/turn and back-up

**SYSTEM 701 with 700 Series Lightheads**
DOT3701A .........Warning
DOT3701B .........Warning and brake/tail/turn
DOT3701D .........Warning, brake/tail/turn and back-up

## DOT3402, DOT3502 & DOT3702

### 3 Light System

**One L31 remote beacon and two rear lighthead options**
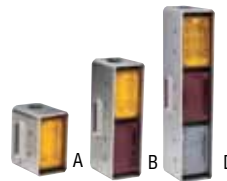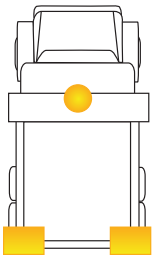
**SYSTEM 402 with 400 Series Lightheads**
DOT3402A .........Warning
DOT3402B .........Warning and brake/tail/turn
DOT3402D .........Warning, brake/tail/turn and back-up
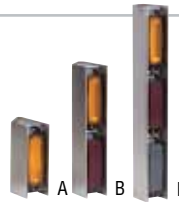
**SYSTEM 502 with 500 Series Lightheads**
DOT3502A .........Warning
DOT3502B .........Warning and brake/tail/turn
DOT3502D .........Warning, brake/tail/turn and back-up

**SYSTEM 702 with 700 Series Lightheads**
DOT3702A .........Warning
DOT3702B .........Warning and brake/tail/turn
DOT3702D .........Warning, brake/tail/turn and back-up

## DOT3103

### 2 Light System

**Two Micro Freedoms with extended corner modules**
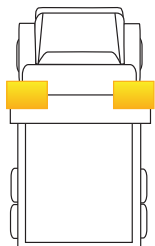
**SYSTEM 103**
DOT3103...........Two front Amber warning lights

64

## DOT3404, DOT3504 & DOT3704

**2 Light System**

**Two rear lighthead options**
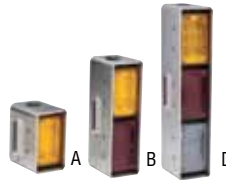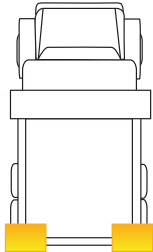
### SYSTEM 404 with 400 Series Lightheads
DOT3404A .........Warning
DOT3404B .........Warning and brake/tail/turn
DOT3404D .........Warning, brake/tail/turn and back-up

### SYSTEM 504 with 500 Series Lightheads
DOT3504A .........Warning
DOT3504B .........Warning and brake/tail/turn
DOT3504D .........Warning, brake/tail/turn and back-up

### SYSTEM 704 with 700 Series Lightheads
DOT3704A .........Warning
DOT3704B .........Warning and brake/tail/turn
DOT3704D .........Warning, brake/tail/turn and back-up

## DOT3405, DOT3505 & DOT3705

**4 Light System**

**Two Micro 400s and two rear lighthead options**
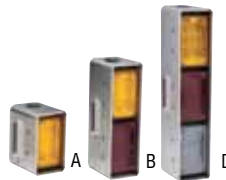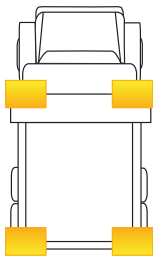
### SYSTEM 405 with 400 Series Lightheads
DOT3405A .........Warning
DOT3405B .........Warning and brake/tail/turn
DOT3405D .........Warning, brake/tail/turn and back-up

### SYSTEM 505 with 500 Series Lightheads
DOT3505A .........Warning
DOT3505B .........Warning and brake/tail/turn
DOT3505D .........Warning, brake/tail/turn and back-up

### SYSTEM 705 with 700 Series Lightheads
DOT3705A .........Warning
DOT3705B .........Warning and brake/tail/turn
DOT3705D .........Warning, brake/tail/turn and back-up

## DOT3406, DOT3506 & DOT3706

**4 Light System**

**Two L31 remote beacons and two rear lighthead options**
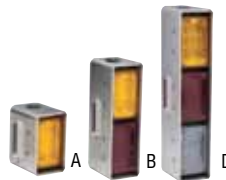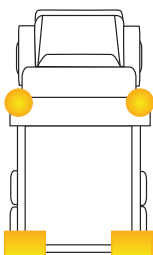
### SYSTEM 406 with 400 Series Lightheads
DOT3406A .........Warning
DOT3406B .........Warning and brake/tail/turn
DOT3406D .........Warning, brake/tail/turn and back-up

### SYSTEM 506 with 500 Series Lightheads
DOT3506A .........Warning
DOT3506B .........Warning and brake/tail/turn
DOT3506D .........Warning, brake/tail/turn and back-up
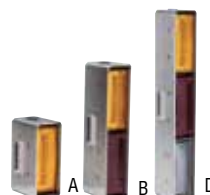
### SYSTEM 706 with 700 Series Lightheads
DOT3706A .........Warning
DOT3706B .........Warning and brake/tail/turn
DOT3706D .........Warning, brake/tail/turn and back-up

## DOT3107

### 2 Light System

**Two remote L31 Beacons**
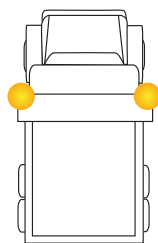
**SYSTEM 107**
DOT3107............Two front Amber warning lights

## DOT3108

### 2 Light System

**Two Micro 400s**
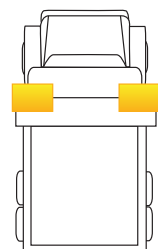
**SYSTEM 108**
DOT3108............Two front Amber warning lights

## DOT3109

### 2 Light System

**Two stainless steel Micro 400s**
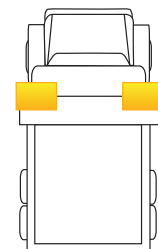
**SYSTEM 109**
DOT3109............Two front Amber warning lights

## DOT3410, DOT3510 & DOT3710

### 4 Light System

**Two stainless steel Micro 400s and two rear lighthead options**
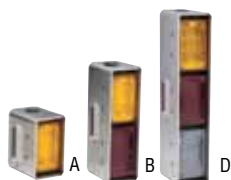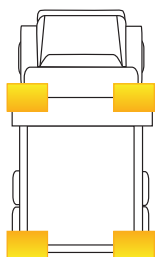
**SYSTEM 410 with 400 Series Lightheads**
DOT3410A .........Warning
DOT3410B .........Warning and brake/tail/turn
DOT3410D .........Warning, brake/tail/turn and back-up

A B D

**SYSTEM 510 with 500 Series Lightheads**
DOT3510A .........Warning
DOT3510B .........Warning and brake/tail/turn
DOT3510D .........Warning, brake/tail/turn and back-up

A B D

**SYSTEM 710 with 700 Series Lightheads**
DOT3710A .........Warning
DOT3710B .........Warning and brake/tail/turn
DOT3710D .........Warning, brake/tail/turn and back-up

A B D

# Replacement Lamp Guide

**Pictorial reference guide for strobe, halogen and incandescent replacement bulbs**

WHELEN

## STROBE

REPGRLST
02-0340961-00

DIRECTIO
02-0340362-00

REPDIRWD
01-0442196-40
DIRECTWD
02-0342196-00

MICROSID
02-0361112-00

4ELTUBE
02-0262861-00
02-0362824-00

4ECTUBE
02-0363172-00

REPTSCOM
02-0361111-00

REPTSCE
02-0361111-01

REPTSSTR
02-0361109-02

REPTSSE
02-0361109-03

REP36FS
02-0361206-_0

02-0361208-_ _

REP36ES
02-0361197-_ 0

02-0361201-_ _

PAR32
02-0362594-_0

58L4TUBE
02-0362189-00

6ELTUBE
02-0363173-00

7ELTUBE
02-0362641-00

7ELTUBWD
02-0362641-01

7ECTUBE
02-0363031-01

500LTUBE
02-0363292-00

TURBOASY
02-0361417-00

TURB6DUP
02-0362573-00

LFLTUBE
02-0363332-00

9UTUBE
02-0363171-00

LINEAR14
02-0363042-00

LINEAR17
02-0363129-00

900STUBE
02-0383678-00

02-0282121-00

FT1510
01-0446216-01

SSTUBE
01-0468256-00
36-0468256-00

80TUBE
01-0461513-00
36-0361513-00

UNI
36-0261100-00

TURBO5
5" Length
36-0142511-00

TURBO64
6" Length
01-0441675-00
36-0141675-00

TURBOTUB
6-3/4" Length
01-0441409-00
36-0141409-00

FT20
01-0441567-W0
36-0341567-00

FT10
01-0441566-W0
36-0341566-00

S30HA*P
01-0463017-( )1

S30TLWD
01-0462487-00C

S30TL
01-0461281-00

FT25
01-0443008-00
36-0343008-00

M469
01-0470044-02

80DTUBE
01-0442400-00
36-0342400-00

## HALOGEN & INCANDESCENT

MR8
34-21120D0-20
20W 12V 20°

MR11
34-20120D0-20
35W 12V 10°

MR11
34-20120D0-20
35W 12V 20°

MR16
34-22120E0-00
35W 12V 40°

H20W12V
01-0420781-00
34-0213030-9J

H27W12V
01-0421757-00
34-0021757-00

H27W12VM
34-0022032-00

H35W12V
01-0421758-00
34-0021758-00

H50W12V
01-0421759-00

H55H112
34-02120B0-000

H35BAY12
34-0235020-2C

H50BAY12
34-0250020-1C

H25B120
34-0021535-00

REPGRLH
02-0341336-03

H27TL12
01-0462375S02

H35TL12
01-0462375S00

H35DTL12
01-0462503-01

H50TL12
01-0462375S05

TA20TL12
01-0462380-01

H35HSC12
01-0467838-01
34-0067833-01

REPH35WD
01-0462514-40

REP36EH
02-0361183-_ _

ALLBULB
01-0450433-00

REPSTTWD
01-0462507-00

BRAKTL12
01-0462503-00
34-0061391-00

H20SN12
Green Dot
01-0441987-04
34-0041987-04

H27SN12
Red Dot
01-0441987-03
34-0063001-03

H27DSN28
01-0463001-01
34-0063001-01

H35SN12
White Dot
01-0441987-00
34-0041987-00

H35HSN12
Gold Dot
01-0441987-05
34-0041987-05

H50SN12
Blue Dot
01-0441987-01
34-0041987-01

H60SN12
01-0441987-07
34-0041987-07

312
34-0428050-6B

25T8DC
34-0412150-59

ICCBULB
34-0112020-5B

I1076BAY
34-0021531-00

1156
34-0412020-00

1157
34-0021562-00

H50ASN12
Red/White Dot
01-0441987-06
34-0041987-06

H35DSN12
Silver Dot
01-0463001-00
34-0063001-00

STOPSN12
3 PINS
01-0462389-00
34-0062389-00

Providing the finest, certified lighting for our customers is a priority at Whelen Engineering Company. Listed below are the various certification standards used to test and certify our products for the DOT, Public Works, Utility, Towing and Contractor marketplace. As we are constantly upgrading and testing our products, it is impossible to print a document with all of the current information. Our team of customer service or field sales representatives will be happy to answer questions regarding this information and any other specific state or federal regulation that might apply to your criteria for decision-making on lighting devices for your vehicles.

**A** **KKK 1822-F** - Federal Ambulance Specification

**B** **CAC, Title 13, Article 22** (Red, Blue and Amber lightheads)

### *Warning Lamps and Devices*

**C** **SAE J595** - Flashing Warning Lamps for Authorized Emergency, Maintenance, and Service Vehicles (Jan 90)

**D** **SAE J845** - 360° Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles (May 97) Class 1, Class 2, Class 3 (Includes selective coverage)

**E** **SAE J1318** - Gaseous Discharge Warning Lamp for Authorized Emergency, Maintenance, and Service Vehicles (May 98) Class 1, Class 2, Class 3

### *Test Procedures and Materials*

**F** **SAE J575** - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles less than 80" (2032mm) in Overall width (Jun 92)

**G** **SAE J2139** - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles greater than 80" (2032mm) in Overall width (Jan 96)

**H** **SAE J578** - Color Specifications (Jun 95)

### *Signalling and Marking Lighting Devices and Systems*

**I** **FMVSS108** - Federal Motor Vehicle Safety Standards

**J** **SAE J586** - Stop Lamps for use on Motor Vehicles Less than 80" (2032mm) in Overall width (Sep 95)

**K** **SAE J585** - Tail Lamps (Rear position Lamps) for Use on Motor Vehicles Less than 80" (2032mm) in Overall width (Dec 94)

**L** **SAE J588** - Turn Signal Lamps for Use on Motor Vehicles Less than 80" (2032mm) in Overall width (Dec 94)

**M** **SAE J592** - Clearance, Side Marker, Identification Lamps (Dec 94)

**N** **SAE J593** - Back-up Lamps (Reversing Lamps) (Oct 95)

**N(A)** **SAE J593C** - Back-up Lamps (Reversing Lamps) (Feb 68)

**O** **SAE J914** - Side Turn Signal Lamps for Vehicles less than 36' (12m) in Length (Jan 95)

**P** **SAE J1432** - High Mounted Stop lamps for Use on Vehicles 80" (2032mm) or More in Overall Width (Sept 97)

**Q** **SAE J1889** - LED Lighting Devices (Jun 99)

**R** **SAE J1957** - Center High Mounted Stop Lamp Standard for Vehicles less than 80" (2032mm) in Overall Width (Jun 93)

**S** **SAE J2039** - Side Turn Signals Lamps for Large Vehicles (Jun 94)

**T** **SAE J2040** - Tail Lamps (Rear Position Lamps) for Use on Vehicles 80" (2032mm) or More in Overall Width (Apr 99)

**U** **SAE J2042** - Clearance, Side Marker, and Identification Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width (Jun 96)

**V** **SAE J2261** - Stop Lamps and Front and Rear-Turn Signal Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width (Mar 96)

**W** **NFPA 1901** - (2009 Edition) For NFPA application consult current NFPA Specification Lighting Packages Catalog

**X** **SAE J1398** - Stop Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width

**Y** **SAE J1395** - Turn Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width

## WHELEN LED TERMINOLOGY

**Generation 1 - (LED)**
5mm diode technology

**Generation 2**
Piranha diode technology

**Generation 3**
Barracuda diode technology, standard diode and optic package

**Generation 3.5 - (Super-LED®)**
A special package containing the brightest diode and widest visibility optic technology available

**TIR - (Super-LED)**
Whelen's optimized use of Generation 3.5 diodes and unique optics to produce highly intense light that is somewhat directional in nature

**Linear-LED® - (Super-LED)**
Whelen's patented use of Generation 3.5 diodes and unique reflector optics to produce highly intense light that has superior wide-angle visibility and rivals strobe in performance

**SmartLED®**
Whelen's distinctive use of self-contained electronics to power and flash a particular LED product. These products require no external flasher, ballast or power supply to operate.

# User Direct Warranty (for Automotive Products Only)

**WHELEN**

Whelen Engineering Company, Inc. warrants products of its manufacture against defects in material and workmanship. This is provided that the product has been installed and operated in accordance with the manufacturer's recommendations. During the warranty period (see below) the Factory Repair Center or an Authorized Whelen Repair Center† will repair or replace (at its option) any parts or electronic assemblies of the unit which disclose a defect in material or workmanship. The Repair Center will return the repaired unit, transportation cost prepaid.

The above warranty is between the first purchaser (ultimate user) only and Whelen Engineering Company, Inc. (manufacturer). **No prior authorization is required for returning Whelen products for warranty consideration.** Each Whelen product sold is covered only by the official warranty in effect at time of purchase.

**\***This warranty is not applicable to any Whelen product that has failed from damage as a result of incompatible chemicals (including de-icing or road treatment), cleaning products or due to abuse, misuse, improper installation, excessive voltages, or alterations to the product that affects, in the manufacturer's judgment, intended use and service. Whelen will not be held liable for any incidental or consequential damages, and assumes no responsibility or liability for expenses incurred in the removal and/or re-installation of products requiring service and/or repair; nor the packaging, handling, and shipping to the Factory Repair Center or Authorized Whelen Repair Center†; nor for the handling of products returned from the repair center after service or repair.

**There are no other warranties, expressed or implied, including, but not limited to, any implied merchantability or fitness for a particular use.** Whelen Engineering Company, Inc. reserves the right to modify this warranty statement at any time; or discontinue, modify, or upgrade any products of its manufacture with design improvements without prior notice.

The use of magnetic or vacuum/suction mounted warning lights mounted on the roof or exterior of a vehicle in motion is at the sole discretion and risk of the user. Whelen Engineering makes no warranties or guarantees of equipment used in this way.

All power plugs/cigar plugs, incandescent and halogen bulbs, polycarbonate/plastic materials, radar products, aviation equipment, industrial products and high power voice/siren systems are not covered by this warranty (see applicable warranty statement).

All Non-Whelen manufactured items that are sold by Whelen are covered by that manufacturer's warranty, and are excluded from this warranty statement (such as, GTT Emitters). This warranty will be void when using or substituting other than all-genuine Whelen system components, such as remote head assemblies, xenon flash tubes, shielded cables, strobe power supplies, siren amplifiers and siren speakers. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

## Whelen Engineering Company Electro-mechanical and Strobe Products

### STANDARD / 2-YEAR WARRANTY
Whelen products are covered by a direct warranty for up to a maximum two years from date of purchase (not to exceed three years from date of manufacture), with proof of purchase. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center† for warranty consideration. Whelen siren speakers, when used with a Whelen siren amplifier, are covered by a 2 year warranty from the date of manufacture. Heavy-Duty motor assemblies (so marked) are covered by a direct warranty for up to three years from date of manufacture. For warranty consideration, both the siren speakers and motor assemblies are subject to the conditions and steps described herein.

### HDP / 5-YEAR WARRANTY
Whelen Automotive Non-Lightbar Strobe Power Supplies, LED Ballasts and LED Products bearing the official HDP label and manufactured to HDP standards, are covered by a direct warranty for up to five years from date of manufacture. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center† for warranty consideration.

### 12 MONTH WARRANTY — BACK-UP ALARMS
Whelen Back-Up Alarms are covered by a 12 month warranty. Both are subject to the conditions and steps described herein.

### 10 YEAR LIMITED WARRANTY — LIGHTBAR POWER SUPPLY
**\***All repairable warranty and non-warranty Edge® style lightbar strobe power supplies will be replaced with a compatible new power supply. If out of initial warranty period but less than 10 years old, the charge will be a flat fee of $200.00 (warranty for standard power supply is 2 years and HDP® Heavy-Duty Professional power supply is 5 years). This is subject to the conditions and steps described herein.

### 12 AND 24 MONTH DIRECT WARRANTY — XENON FLASH TUBES
(Except Flash Tubes from 1000/1500/2000/3000 & VP Series which are covered by a 6 Month Warranty)

If the xenon flash tube component of a "Whelen" brand (not from 1000/1500/2000/3000 or VP Series) product is returned to Whelen within 12 months of the date which is affixed to the flash tube, Whelen will replace that flash tube free of charge ONE TIME ONLY, subject to the conditions and steps herein. Whelen "Gold Medallion" flash tubes including all linear flash tube assemblies, carry a 24 month warranty. Whelen will pay ground transportation from Whelen's factory or Authorized Whelen Repair Center† to the customer via UPS where available (in the Continental U.S.).

### 12 MONTH EXTENDED WARRANTY — WHELEN REPAIRED STROBE POWER SUPPLIES
Whelen offers to repair or replace, free of charge, any part of its strobe light power supplies that have been repaired by Whelen within 12 months and are less than 5 years old, subject to the conditions and steps herein. Whelen will pay ground transportation from Whelen's factory or Authorized Whelen Repair Center† to the customer via UPS where available (in the Continental U.S.).

### WHELEN ENGINEERING COMPANY OUT-OF-WARRANTY FACTORY REPAIR PROGRAM:
**\*** If found to be repairable, the Whelen Factory Repair Center (only) will repair Non-Lightbar Electronic Strobe Power Supplies for $110 each. This does not include replacement of any other electro-mechanical parts including flash tubes, polycarbonate domes, motors, or hardware items.

**\*** Follow the "Steps To Be Taken For Return" noted below, and include a check or money order for $110 for each unit returned. For Whelen products older than 10 years, repair charges will be determined upon examination only (minimum charge is $200). Contact factory service center for further details.

### STEPS TO BE TAKEN FOR WARRANTY RETURN:
1) Whelen products are to be returned freight prepaid to the: Whelen Factory Repair Center Building B, 51 Winthrop Road, Chester, CT 06412-0684; or an Authorized Whelen Repair Center†. Do not ship by bus.

2) A copy of the sales receipt must be returned with the defective unit to qualify for warranty coverage from date of purchase.

3) Include a short statement explaining the problem.

4) Include your name, address, and day-time telephone number.

5) Whelen and its Authorized Repair Centers will, via UPS, ship back the repaired unit freight prepaid, usually within a few days after its receipt.

† The only AUTHORIZED WHELEN REPAIR CENTER(S) are predetermined by the Whelen Factory via official listing obtained from Whelen Engineering Company, Chester, CT.

\* New/Revised

**Effective 7/14, REPLACES ALL PREVIOUSLY PUBLISHED SERVICE POLICIES**

# Alphabetical Product Index

WHELEN

**MTO** — Made to Order Products

**HEAVY DUTY HDP PROFESSIONAL** — Heavy-Duty Professional Products carrying a 5 year warranty

**UL®** — Products meeting Underwriters Laboratories requirements

**Notice:**

Dimensions indicated for products are within +/- 1/16" (1.58mm) tolerance. Metric equivalents are rounded to nearest whole number. For special applications requiring more precise measurement, contact factory.

Prior to using any interior light, consult your vehicle's owner manual to insure proper use with air bag safety systems.

The use of a magnetic or suction mounted beacon on the roof of a vehicle in motion is not recommended, and is at the sole discretion and risk of the user.

Whelen Engineering reserves the right to upgrade and improve products without notice.

**WHELEN**®

**ENGINEERING COMPANY, INC**

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Chester, CT 06412-0684
860-526-9504 • Fax 860-526-4078
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