# Amber

## Professional Warning & Illumination
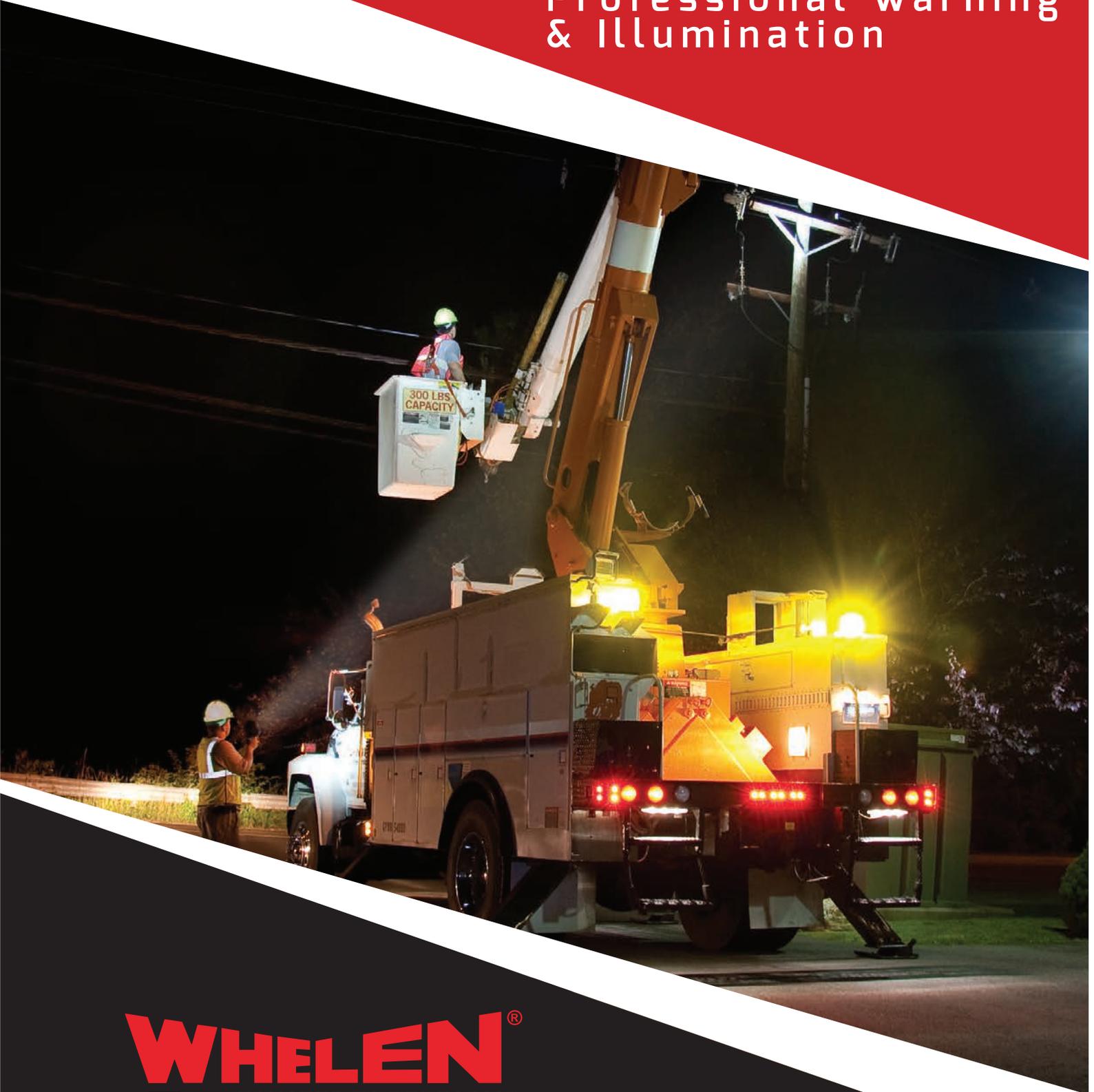


**WHELEN**®

TRUSTED TO PERFORM™

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# R316 & R416 Series

- **SAE Class 1 Certified**
- 100% solid-state "rotating" technology simulates the appearance of a rotating beacon without any moving parts or motors
- Medium profile, smooth polycarbonate outer dome
- Conformal coated electronics for moisture and vibration resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Cruise light feature
- Available in permanent, magnetic and magnetic/suction mount models
- Synchronize to other Whelen sync products
- Five year warranty

ROTA BEAM™

*Half rotator light module*

*R416*

*R316*

| Model | Mount | Profile | LED Color | Dome Color | Base | Amps | Patterns | VDC |
|---|---|---|---|---|---|---|---|---|
| R316*F | Permanent | Low | Single Amber or White | Color | Powder coated cast aluminum | 2.25/@ 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 Amber/White | | | | | |
| R316**M | Magnetic | | | | | | | |
| R316**V | Magnetic/suction | | | | | | | |
| R416*F | Permanent | High | Single Amber or White | | | | | |
| R416*M | Magnetic | | | | | | | |
| R416*V | Magnetic/suction | | | | | | | |
| R416**F | Permanent | | Split color front/rear Amber/White | Clear | | | | |
| R416**M | Magnetic | | | | | | | |
| R416**V | Magnetic/suction | | | | | | | |

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

| Model | Option Description |
|---|---|
| BBKT20 | Stainless steel shelf mount bracket mounts to flat vertical surface |
| 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 | 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)
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.

7-3/16" (183mm)
4" (102mm)
*R316*

6-7/16" (163mm)
4-7/8" (123mm)
*R416*
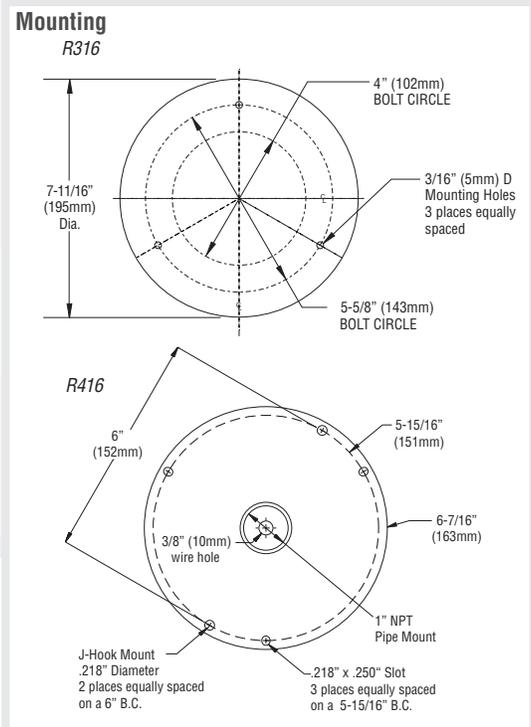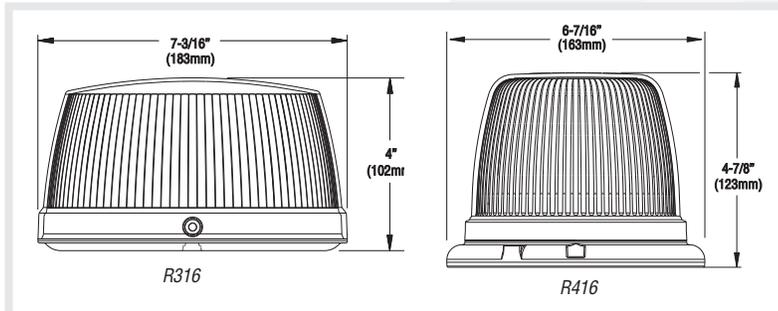
# L31 & L32 Series

- SAE Class 1 Certified (Amber)
- L31CA models meet California Title XIII (Amber)
- Super-LED® beacon
- Powder coated die-cast base
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- 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)
- Amber/Green split beacon with Clear dome
- Five year warranty

_L31HAF_

_L32LAF_
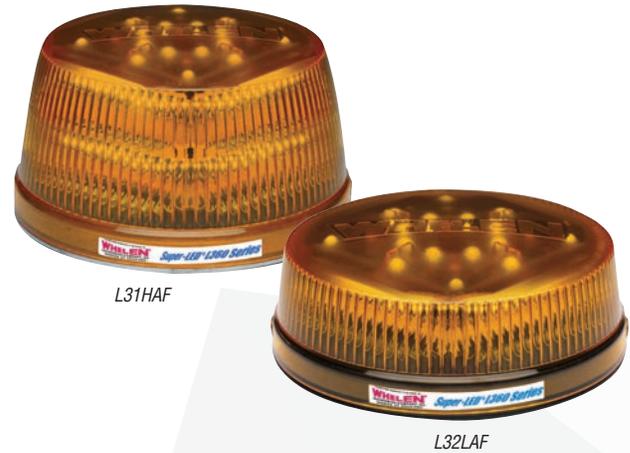
| Model | Mount | Profile | Color | Base | Amps | Patterns | VDC | Control | Certification |
|---|---|---|---|---|---|---|---|---|---|
| L31H*F | Permanent | High | Amber or White | Die cast alumi-num | 5.0/peak 2.0/avg | Permanent mount 30 built-in Scan-Lock™ flash patterns plus 4 simulated rotating patterns Magnetic mount 75 SignalAlert™ only | 12 | Hi/Low control | SAE Class 1 |
| L31H*M | Magnetic | | | | | | | - | |
| L31H*V | Magnetic/suction | | | | | | | | |
| L31HAF4 | Permanent | | Amber | | | | 24 | Hi/Low control | California Title XIII |
| L31HAFCA | Permanent | | | | | | 12 | - | |
| L31HAMCA | Magnetic | | | | | | | | |
| L31HAVCA | Magnetic/suction | | | | | | | | |
| L31HPF | Permanent | | Amber/Green | | | | | | - |
| L32L*F | Permanent | Low | Amber or White | | 2.5/peak 1.0/avg | | | Hi/Low control | SAE Class 1 |
| L32L*M | Magnetic | | | | | | | - | |
| L32L*V | Magnetic/suction | | | | | | | | |
| L32LAF4 | Permanent | | Amber | | | | 24 | Hi/Low control | |

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

| Model | Option Description |
|---|---|
| L360PMKT | 1" NPT pipe mount kit for L31/L32 |
| L360BGB | Branch guard kit for L31 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

**L31**
4" (102mm)
7-3/16" (182mm)

**L32**
2-5/8" (68mm)
7-3/16" (182mm)

**Mounting**
4" (102mm) BOLT CIRCLE
7-11/16" (195mm) Dia.
3/16" (5mm) D Mounting Holes 3 places equally spaced
5-5/8" (143mm) BOLT CIRCLE
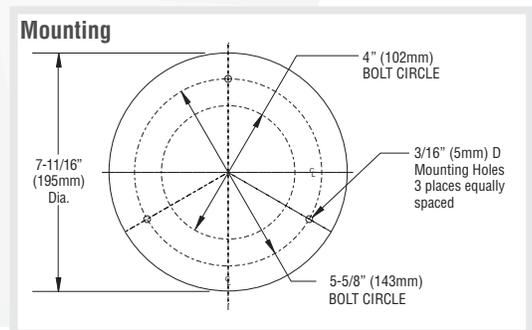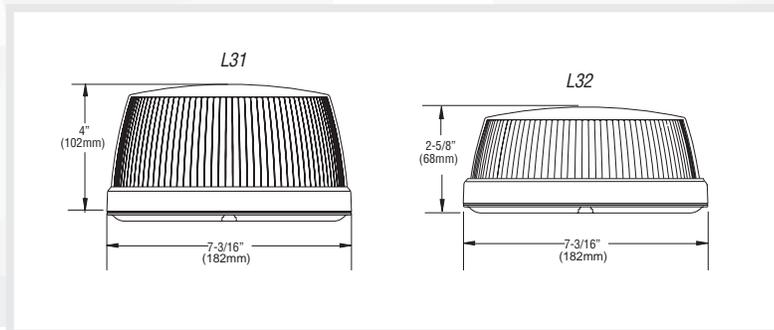
BBKT30 flat vertical surface mounting bracket

MIRROR20 mirror mount brackets

**WHELEN®**

# L41 Series

- **SAE Class 1 Certified (Amber)**
- Super-LED® beacon
- Medium profile, smooth polycarbonate outer dome
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration and corrosion resistance
- Available in permanent, magnetic and magnetic/suction mounts
- Virtually no RFI/EMI radiation
- Five year warranty

*L41AP*

| Model | Mount | Color | Base | Amps | Patterns | VDC | Control |
|-------|-------|-------|------|------|----------|-----|---------|
| L41*P | Permanent | Amber or White | Cast aluminum powder coated | 1.5/peak 0.6/avg @ 12V | 75 SignalAlert™ default, 25 selectable patterns total, including steady-burn | 12/24 | Photocell Hi/Low on permanent mount only, contact factory |
| L41*M | Magnetic | | | | | | |
| L41*V | Magnetic/suction | | .75/peak 0.3/ avg @ 24V | | | |

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

| Model | Option Description |
|-------|--------------------|
| BBKT20 | Stainless steel shelf mount bracket mounts to flat vertical surface |
| MIRROR20 | West Coast mirror mount brackets |
| L40BG | Branch guard |

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

* Use 1 for Amber, 3 for Clear

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

L40BG Branch guard

**Mounting**

5-1/2" (140mm)

4-3/4" (121mm)

6-7/16" (163mm)

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.
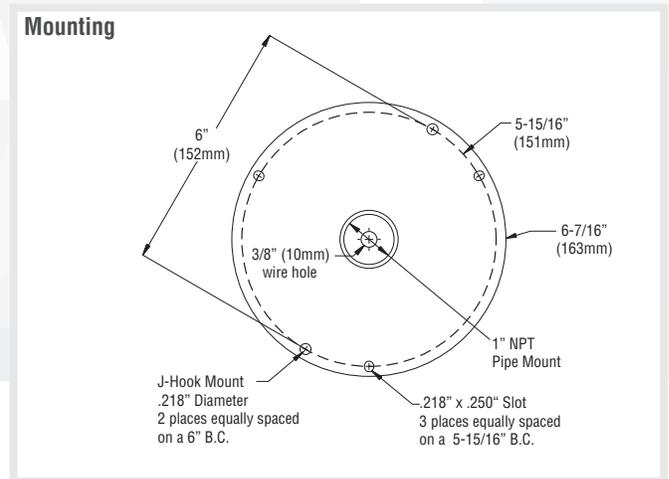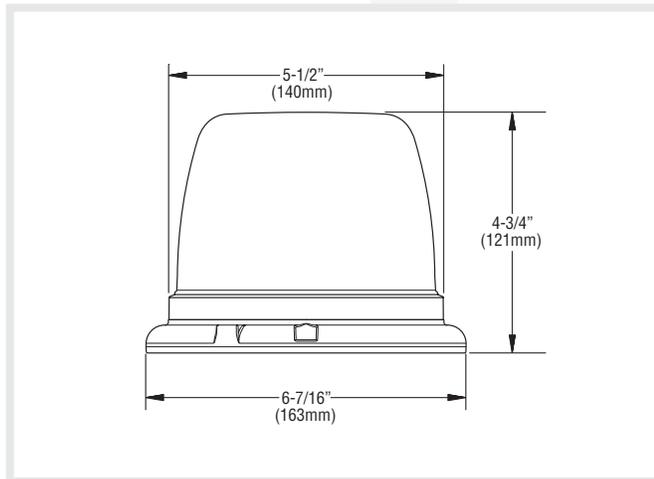
# L10 Series

- SAE Class 1 Certified (Amber)
- Super-LED® beacon
- High and low dome models
- Available in permanent, magnetic and magnetic/suction mounts
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Virtually no RFI/EMI radiation
- Available in SOLO™ and DUO™
- DUO technology features different color LEDs in the same module allowing individual control of each color
- Five year warranty

*L10LAP*  *L10HFP*

| Model | Mount | Profile | Color | Base | Amps | Patterns | VDC |
|-------|-------|---------|-------|------|------|----------|-----|
| L10H#P | Permanent/ pipe/hook | High | DUO Amber/White or Amber/Blue | Polycarbonate | 1.0/peak 0.4/avg | 24 Scan-Lock™ flash patterns plus synchronize feature | 12 |
| L10L#P | | Low | | | | | |
| L10H*P | | High | Amber or White | | | 75 SignalAlert™ default pattern 18 flash patterns available | |
| L10HAP4 | | | Amber | | | | 24 |
| L10HAM | Magnetic | | | | | | 12 |
| L10HAV | Magnetic/suction | | | | | | |
| L10L*P | Permanent/ pipe/hook | Low | Amber or White | | | | |
| L10LAP4 | | | Amber | | | | 24 |
| L10LAM | Magnetic | | | | | | 12 |
| L10LAV | Magnetic/suction | | | | | | |

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

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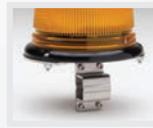
MIRROR20 West coast mirror mount brackets mount directly on existing mirror brackets

MMK magnetic mount kit

LSK lighted switch

BGH Branch guard

| Model | Replacement Dome |
|-------|------------------|
| DH2000* | High dome |
| DL2000* | Low dome |

*Use A for Amber, C for Clear

**Mounting**

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

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

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

**WHELEN®**
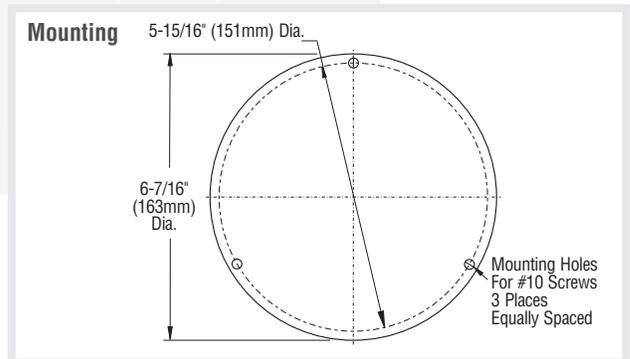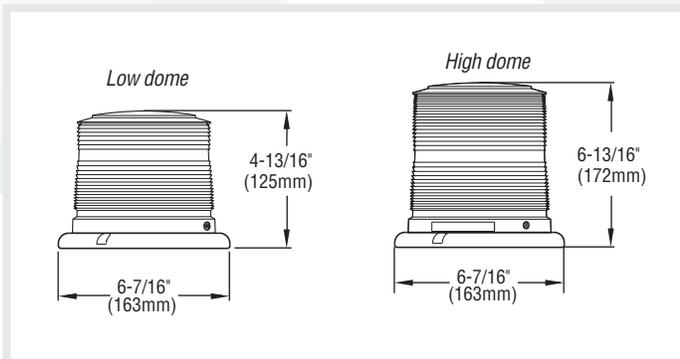
# L21 Series

- **SAE Class 1 Certified (Amber)**
- Super-LED® beacon
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration and corrosion resistance
- Available in combination (perm/pipe/"J" hook), magnetic and magnetic/suction mounts
- Virtually no RFI/EMI radiation
- Green beacon with Clear dome
- Five year warranty

Note: Magnetic and magnetic/suction mounts do not include synchronization or pattern control capabilities.

*L21HAP*

*L21LAM*

| Model | Mount | Profile | Colors | Base | Amps | Patterns | Sync | VDC | SAE |
|-------|-------|---------|--------|------|------|----------|------|-----|-----|
| L21H*P | Combination | High | Amber & White | Poly-carbonate | 1.5/peak 0.60/average @ 12 VDC  0.75/peak 0.30/average @ 24 VDC | 25 Scan-Lock™ patterns including steady-burn | Yes | 12 | J845 Class 1 360° (Amber) |
| L21H*M | Magnetic | | | | | | - | | |
| L21H*V | Magnetic/suction | | | | | | - | | |
| L21H*P4 | Combination | | | | | | Yes | 24 | |
| L21H4P | Combination | Low | Green | | | | Yes | 24 | |
| L21L4P | Combination | | Green | | | | Yes | 12 | |
| L21L*P | Combination | | Amber & White | | | | Yes | 12 | |
| L21L*M | Magnetic | | | | | | - | | |
| L21L*V | Magnetic/suction | | | | | | - | | |
| L21L*P4 | Combination | | | | | | Yes | 24 | |

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

| Model | 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 |

**Mounting**

5-15/16" (151mm) Dia.
1" (25mm) Pipe Mount
6-7/16" (163mm) Dia.
Mounting Holes For #10 Screws 3 Places Equally Spaced
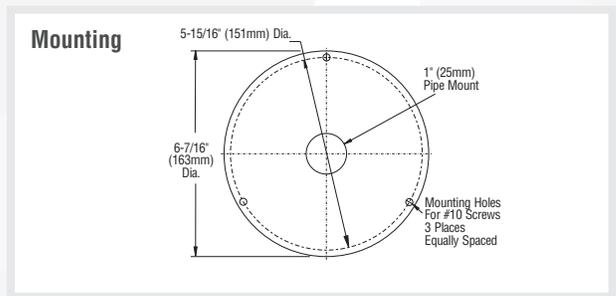
| Replacement Dome | |
|------------------|--|
| DH2000* | (High) |
| DL2000* | (Low) |

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

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

**WHELEN®**
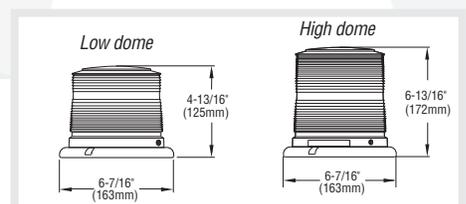
# L50 Series

- SAE Class 1 Certified (L51 Series)
- SAE Class 3 Certified (L53 Series)
- Super-LED® beacon
- Twist-off polycarbonate dome
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Available in permanent and magnetic mount
- L51 available in Amber and White
- L53 available in Amber
- Five year warranty

L51AP

L51AM

| Model | Mount | Colors | Base | Amps | VDC | Patterns | Encapsulated | SAE |
|---|---|---|---|---|---|---|---|---|
| L51*P | Permanent | Amber or White | Polycarbonate | 1.5/peak 0.6/avg | 12 | 25 patterns | Yes | Class 1 |
| L51*M | Magnetic | | | | | | | |
| L53AP | Permanent | Amber only | | 0.4/peak 0.16/avg | | 15 patterns | - | Class 3 (Amber) |
| L53AM | Magnetic | | | | | SignalAlert™ only | | |

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

| Model | 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

5" (127mm) Dia.

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

3-3/4" (95mm)

5" (127mm)

WHELEN®
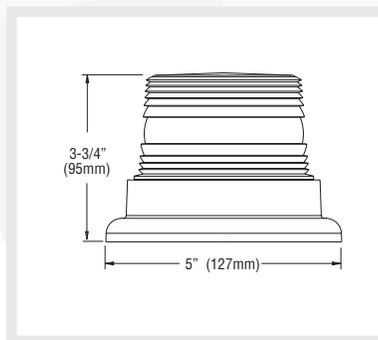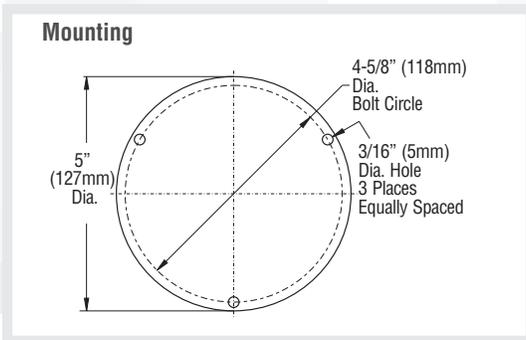
# SpitFire ION™

- • SAE Class 1 Certified
- • ION Super-LED® interior dash and deck light
- • Hard-coated lenses minimize UV damage and resist scratches
- • 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
- • Five year warranty

*SFIONA*

| Model | Lamp | Amps | VDC | Patterns | Size |
|-------|------|------|-----|----------|------|
| SFION* | ION Super-LED | 1.0/peak, 0.40/avg | 12 | 25 Scan-Lock | 1.625 (41mm) H x 5.125" (130mm) W x 3.375" (86mm) D |

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

# Avenger™ II Series

- • SAE Class 1 Certified
- • Newly designed combination Linear/TIR optics provide high intensity warning and illumination and a smaller profile maximizes space for optimal versatility
- • Available in SOLO™ (single color), DUO™ (two color interleaved or TRIO™ (three color interleaved) modules
- • Hard-coated lenses minimize UV damage and resist scratches
- • Black polycarbonate housing
- • Mounts via swivel/bail bracket with three suction cups
- • Cigar plug series models include 10' cord with On/Off switch and pattern selection switch
- • Hard-wired series models include a 2 wire (SOLO), 3 wire (DUO), or 4 wire (TRIO) pigtail. Consult current price list for models
- • Five year warranty

*AVC11A*

*AVC21AB*

| Model | Series | Lamp | Colors | Override | VDC | Patterns | Size (with shroud) |
|-------|--------|------|--------|----------|-----|----------|---------------------|
| AVC11* | SOLO | Single | Amber, Blue, or White | | | 26 | 1.75" (44mm) H x 6.50" (165mm) W, Single 10.25" (260mm) W, Dual x 4.50" (144mm) D |
| AVC21** | | Dual | Amber, Blue, or White | | | 55 | |
| AVC12# | DUO | Single | Amber/White, Blue/Amber | N/A | 12 | 26 | |
| AVC22FF | | Dual | Two Amber/White | | | 55 | |
| AVC22MM | | | Two Blue/Amber | | | | Height with adjustable mounting bracket: 1.6" (41mm) to 1.9" (74mm) |
| AVC13BAC | TRIO | Single | Blue/Amber/White | White | | 26 | |
| AVC23BAC | | Dual | Blue/Amber/White | White | | 55 | |

Replace *in model number with letter indicating color desired: A=Amber, B=Blue, C=White
Replace # in model number with split colors desired: F=Amber/White, M=Blue/Amber

| Model | Option Description |
|-------|-------------------|
| AVBKT1 | Low profile mounting (headliner) bracket for single Avenger II Series only |
| AVBKT2 | Low profile mounting (headliner) bracket for dual Avenger II Series only |
| AVBKT3S | Visor mounting bracket for single Avenger II Series only |
| AVBKT3D | Visor mounting bracket for dual Avenger II Series only |
| AVBKT4 | Adjustable height bracket kit, for all Avenger IIs |
| AVBKT5S | Headliner mounting bracket, adjustable, for single Avenger II Series only |
| AVBKT5D | Headliner mounting bracket, adjustable, for dual Avenger II Series only |

# FlatLighter™

• Visor mount interior light
• Includes Velcro® mounting straps
• Hard-coated lenses minimize UV damage and resist scratches
• Includes 8' straight cord with cigar plug
• Five year warranty



*FLLEDAA*

| Model | Technology | Amps | VDC | Patterns | Size |
|-------|-----------|------|-----|----------|------|
| FLLED** | LED | 0.8 | 12 | 21 Scan-Lock™ | 4.50" (114mm) H x 13" (330mm) W x 1.25" (32mm) D |

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

| Option Model | Option Description |
|--------------|-------------------|
| 43LENS | 400 Series color lens, customer installed |

# SlimLighter®

• SAE Class 1 Certified
• Super-LED® interior light
• Hard-coated lenses minimize UV damage and resist scratches
• 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
• Five year warranty



*SLPMMAA*

| Model | Lamp | Amps | VDC | Patterns | Other |
|-------|------|------|-----|----------|-------|
| SLPMM** | TIR6™ Super-LED | 1.5/peak, 0.6/avg | 12 | 21 Scan-Lock | 2" (52mm) H x 16.375" (416mm) W x 1.188" (46mm) D |

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

# Slim-Miser™

• LED interior light
• Hard-coated lenses minimize UV damage and resist scratches
• 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
• Five year warranty



*SMLLAA*

| Model | Lamp | Amps | VDC | Patterns | Size |
|-------|------|------|-----|----------|------|
| SMLLAA | LED | 0.33/peak, 0.10/avg | 12 | 18 Scan-Lock | 1.625" (42mm) H x 12.845" (326mm) W x 2.75" (70mm) D |

**WHELEN®**

# Dominator™ & Dominator Plus™ Series

MTO

- **SAE Class 1 Certified**
- Low profile surface mount housing designed for interior or exterior use
- Choice of TIR3™ or LINZ6™ Super-LED® modules
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Internal self-contained electronics
- Slide bolt mount
- Extruded aluminum Black powder coated housing
- Eight module units available with end flashers
- 12 VDC
- Five year warranty

TIR3    LINZ6

DP2AA

DP4AAAA

DP600600

DP800800

| Model | Lamps | Lamp Type | Amps | VDC | Housing | Cable | Connectors | Patterns | Size | Length |
|-------|-------|-----------|------|-----|---------|-------|------------|----------|------|--------|
| D2AA | 2 | TIR3 | 0.44/peak 0.2A/avg per module | 12 | Rugged extruded aluminum | 12" small dia. 4-C #20 AWG | Molex® waterproof | 7 Flash patterns and steady on mode<br><br>Pairs may be synchronized to each other | 1.188" (35mm) H x 2.188" (55mm) D | 7" (178mm) |
| D4AAAA | 4 | | | | | | | | | 14" (356mm) |
| D6AAAAAA | 6 | | | | | | | | | 23" (584mm) |
| D800800 | 8 | | | | | | | | | 30" (762mm) |
| DP2AA | 2 | LINZ6 | 0.75/peak 0.30/avg per module | | | | | | | 7" (178mm) |
| DP4AAAA | 4 | | | | | | | | | 14" (356mm) |
| DP600600 | 6 | | | | | | | | | 23" (584mm) |
| DP800800 | 8 | | | | | | | | | 30" (762mm) |

| Model | Option Description |
|-------|-------------------|
| DBKT3 | Swivel mount bracket kit for D2, DP2, D4 & DP4 series only, customer installed |
| DBKT4 | "L" angle mounting bracket kit, customer installed |
| DBKT5 | Upper rear window mounting bracket kit for 2008-2016 Chevy Tahoe |

WHELEN®

# Responder® HD Series



*R10HDPA*

- • SAE Class 1 Certified (Amber)
- • Universal permanent mount version easily retrofits most competitive model footprints
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • 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
- • Five year warranty



*R10HDVA*

| Model | Technology | Color | Mount | Amps | VDC | Patterns | Base | Size |
|-------|-----------|-------|-------|------|-----|----------|------|------|
| R10HDP* | Super-LED® | Amber or White | Permanent | 9.0/peak 3.6/avg | 12 | 12 Scan-Lock™ | Aluminum | 5.125" (130mm) H x 17.25" (438mm) W x 6.313" (160mm) D |
| R10HDM* | | | Magnetic | | | 75 SignalAlert™ | | |
| R10HDV* | | | Magnetic/suction | | | | | |

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

| Model | Option Description |
|-------|-------------------|
| RDXMM90 | 90 lb. pull magnet mount kit with cigar plug |
| INSTLRDX | Installation of RDXMM90 (for permanent mount only) |

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

**WHELEN®**
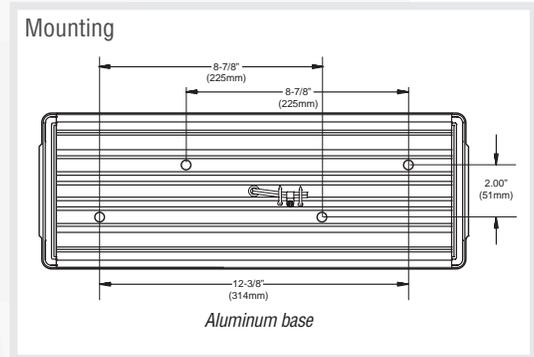
# Responder® R1LP Series

- SAE Class 1 Certified (Amber)
- Super-LED® low profile conical CON3™ mini lightbar
- Polycarbonate dome
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Available with extruded aluminum base or polycarbonate base
- Available in permanent, magnetic and magnetic/suction mount models
- Five year warranty

*R1LPPA*

*R1LPVF*

| Model | Technology | Color | Dome | Mount | Base | Amps | VDC | Patterns | Size |
|---|---|---|---|---|---|---|---|---|---|
| R1LPPA | | | Amber | Permanent | | | | | |
| R1LPPCA | | | Clear | Permanent | | | | | 2.845" (73mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R1LPMA | | | Amber | Magnetic | Poly-carbonate | | | | |
| R1LPMCA | | | Clear | Magnetic | | | | 30 Scan-Lock™ patterns including 4 simulated rotating patterns (perm mount only) | |
| R1LPVA | | | Amber | Magnetic/suction | | | | | |
| R1LPVCA | | Amber | Clear | Magnetic/suction | | 3.0/peak 1.2/avg | 12 | | |
| R1LPHPA | CON3 Super-LED | | Amber | Permanent | | | | | |
| R1LPHPCA | | | Clear | Permanent | | | | | |
| R1LPHMA | | | Amber | Magnetic | Aluminum | | | | 3.25" (82mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R1LPHMCA | | | Clear | Magnetic | | | | ActionScan™ default for magnetic mount only | |
| R1LPHVA | | | Amber | Magnetic/suction | | | | | |
| R1LPHVCA | | | Clear | Magnetic/suction | | | | | |
| R1LPPF | | | | Permanent | | | | | |
| R1LPMF | | Split color Amber/White | Clear | Magnetic | Poly-carbonate | | | | 2.845" (73mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R1LPVF | | | | Magnetic/suction | | | | | |

| Replacement Dome |
|---|
| 68-2986618-*0 |

* Use 1 for Amber, 3 for Clear

## Mounting

14-1/8" (359mm)
3-7/16" (87mm)

*Polycarbonate base*

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

*Aluminum base*
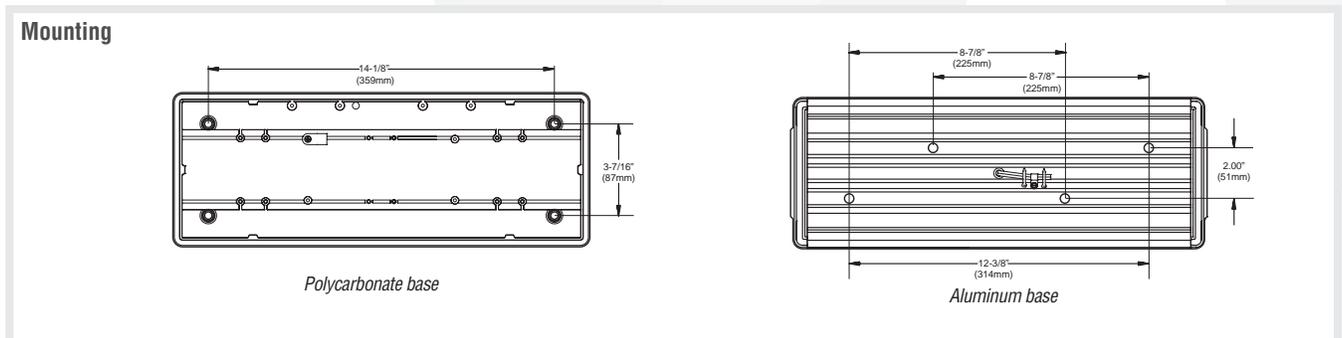
# Responder® R2LP Series

- **SAE Class 1 Certified (Amber)**
- Super-LED® low profile linear LIN6™ mini lightbar
- Polycarbonate dome
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- 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
- Five year warranty

*R2LPHPA*

*R2LPMF*

*RDLPPAB shown in both Amber and Blue DUO modes*

| Model | Technology | Color | Dome | Mount | Base | Amps | VDC | Patterns | Size |
|---|---|---|---|---|---|---|---|---|---|
| R2LPPA | LIN6 Super-LED | Amber | Amber | Permanent | Poly-carbonate | 6.0/ peak 2.4/ avg | 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 | 2.845" (73mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R2LPPCA | | | Clear | | | | | | |
| R2LPMA | | | Amber | Magnetic | | | | | |
| R2LPMCA | | | Clear | | | | | | |
| R2LPVA | | | Amber | Magnetic/ suction | | | | | |
| R2LPVCA | | | Clear | | | | | | |
| R2LPHPA | | | Amber | Permanent | Aluminum | | | | 3.25" (82mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R2LPHPCA | | | Clear | | | | | | |
| R2LPHMA | | | Amber | Magnetic | | | | | |
| R2LPHMCA | | | Clear | | | | | | |
| R2LPHVA | | | Amber | Magnetic/ suction | | | | | |
| R2LPHVCA | | | | | | | | | |
| R2LPPF | | Split color Amber/ White | Clear | Permanent | Poly-carbonate | | | | 2.845" (73mm) H x 17" (431mm) W x 6.313" (160mm) D |
| R2LPMF | | | | Magnetic | | | | | |
| R2LPVF | | | | Magnetic/ suction | | | | | |
| RDLPPAB | DUO LIN6 Super-LED | DUO Amber/Blue | | Permanent | | | 12 | 33 Scan-Lock patterns | |

| Replacement Dome |
|---|
| 68-4986619-*0 |

* Use 1 for Amber, 3 for Clear

**Mounting**

14-1/8" (359mm)
3-7/16" (87mm)

*Polycarbonate base*

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

*Aluminum base*

**WHELEN®**
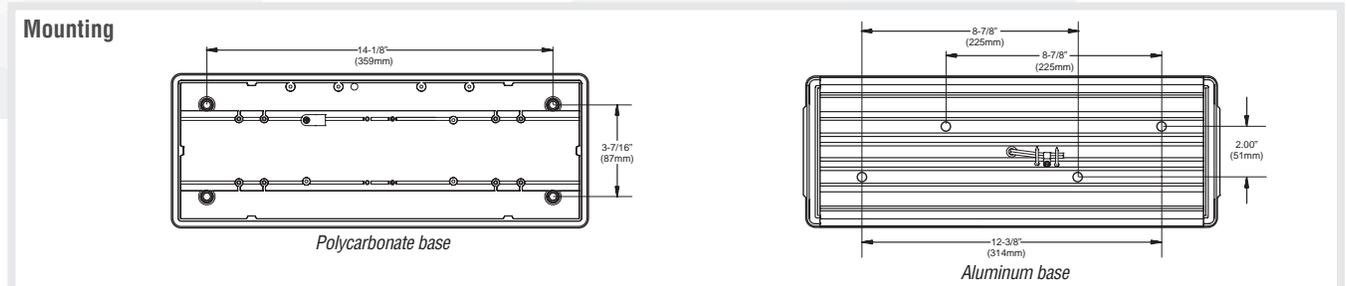
# Mini Century™ Series

- • SAE Class 1 Certified
- • Extruded aluminum base
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • Standard current switching with Scan-Lock™ flash patterns and pattern override
- • Low profile with compression fit gasket for superior moisture resistance
- • Pre-configured lightbars
- • Five year warranty

MC11SA

MC16MA

MC23VA

| Model | Technology | Modules | Mount | Amps | VDC | Patterns | Dome | Base | Size |
|-------|-----------|---------|-------|------|-----|----------|------|------|------|
| MC11PA | Linear Super-LED® corners<br><br>TIR6™ Super-LED inboards | 6 Amber | Permanent | 3.6/peak 2.2/avg | 12 | 17 Scan-Lock | Amber<br><br>NOTE: Available with Clear domes, Use "CA" suffix or contact factory | Extruded aluminum platform | 2.50" ( 64mm) H x 11" (279mm) W x 7.50" (191mm) D |
| MC11MA | | | Magnetic | | | | | | |
| MC11SA | | | 0.75" (19mm) Stud | | | | | | |
| MC16PA | | 8 Amber | Permanent | 4.8/peak 3.0/avg | | | | | 2.50" ( 64mm) H x 16" (406mm) W x 7.50" (191mm) D |
| MC16MA | | | Magnetic | | | | | | |
| MC16VA | | | Magnetic/suction | | | | | | |
| MC16SA | | | 0.75" (19mm) Stud | | | | | | |
| MC16PF | | 4 Amber 4 White | Permanent | | | | | | |
| MC16MF | | | Magnetic | | | | | | |
| MC16VF | | | Magnetic/suction | | | | | | |
| MC16SF | | | 0.75" (19mm) Stud | | | | | | |
| MC23PA | | 12 Amber | Permanent | 7.2/peak 4.4/avg | | | | | 2.50" ( 64mm) H x 23" (584mm) W x 7.50" (191mm) D |
| MC23MA | | | Magnetic | | | | | | |
| MC23VA | | | Magnetic/suction | | | | | | |
| MC23SA | | | 0.75" (19mm) Stud | | | | | | |

# Mini Justice® Series

- • SAE Class 1 Certified
- • Super-LED CON3™ modules and Linear Super-LED corners
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • Permanent models includes 15' cable, magnetic and magnetic/suction mount with 10' cord, cigar plug with On/Off switch with LED "On" indicator, and flash pattern switch
- • Low profile, only 2.25" high
- • Five year warranty

MTO

MJYAAAAM
with four optional JDCA
inboard modules

| Model | Technology | Mount | Amps | VDC | Patterns | Base | Dome | Size |
|-------|-----------|-------|------|-----|----------|------|------|------|
| MJY****P | CON3 Super-LED | Permanent | 4.0/peak 1.6/avg (4 corners) | 12 | 95 Scan-Lock | Extruded aluminum | Clear | 2.25" (57mm) H x 22" (558mm) W x 12" (304mm) D |
| MJY****M | | Magnetic | | | | | | |
| MJY****V | | Magnetic/suction | | | | | | |

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

| Model | Option Description |
|-------|-------------------|
| JDC* | One CON3 Super-LED module |
| JDH* | One LTR3™, Super-LED module. Use with MJTDAL only |

| Model | Option Description |
|-------|-------------------|
| MJTDALL1 | Four LR11 Super-LEDs, two steady-burn take-downs, and alley lights with 15° horizontal adjustment, for permanent models only |

WHELEN® 15

# Mini Freedom® IV Series

- SAE Class 1 Certified
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Magnetic mount includes cigar plug with On/Off and pattern switches
- Permanent mount includes 15' cable
- Add two front and two rear optional inboard Super-LED® modules
- Clear outer domes with Clear dividers
- Alley and take-down options available for permanent mount models
- Standard permanent mount models provide low power and individual control of front corner, rear corner, and optional front/rear inboard modules
- Color filters available for full customization
- Five year warranty

**MTO**

F4MAAAAP
with optional F4MTATL6

| Model | Technology | Color | Mount | Amps | VDC | Patterns | Base | Dome | Size |
|-------|-----------|-------|-------|------|-----|----------|------|------|------|
| F4M****P | Linear Super-LED | Amber or White | Permanent | 4 | 12 | 58 Scan-Lock™ with external control | Extruded aluminum I-Beam | Clear | 3.75" (95mm) H x 21.50" (546mm) W x 12.50" (318mm) D |
| F4M****M | | | Magnetic | | | | | | |
| F4M*0*0F | Front Facing Linear Super-LED | | Permanent | 2 | | | | | |

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

● ○

| Model | Option Description |
|-------|-------------------|
| F4DL* | One single long 12 Linear Super-LED lighthead, Amber or White |
| **For Permanent Mount Front Facing Only** | |
| F4WA* | One (Alley/Side) facing single short 6 Linear Super-LED lighthead, Amber, or White |

| Model | Option Description |
|-------|-------------------|
| **For Permanent Mount Only** | |
| F4MA3 | Two 3-LED Super-LED alley lights, includes harnesses |
| F4MA6 | Two 6-LED Super-LED alley lights, includes harnesses |
| F4MTL6 | Two 6-LED Super-LED long take-down lights, includes harnesses |
| F4MTATL3 | Two 3-LED Super-LED alley lights and two 6-LED Super-LED long take-down lights, includes harnesses |
| F4MTATL6 | Two 6-LED Super-LED alley lights and two 6-LED Super-LED long take-down lights, includes harnesses |

**WHELEN®**

# Mini Freedom® IV Rota-Beam™

**MTO**  **ROTA BEAM**

- SAE Class 1 Certified
- Rotating Super-LED® Technology
- 100% solid-state electronics
- Single color corner modules available in Amber or White
- Hard-coated lenses minimize environmental damage from sand, salt, sun, and road chemicals
- Available in permanent mount, includes 15' cable
- Clear outer domes with Clear dividers
- Extruded aluminum platform for long life dependability
- Alley and take-down light options available
- Available with color domes
- Five year warranty

R4BAAAAP
with optional R4BTL6

Rota-Beam
half rotator
light module

| Model | Technology | Color | Mount | Amps | VDC | Patterns | Base | Dome | Size |
|---|---|---|---|---|---|---|---|---|---|
| R4B****P | Rotating Super-LED | Amber or White | Permanent | 9 | 12 | 10 Scan-Lock™ | Extruded aluminum I-Beam | Clear | 3.75" (95mm) H x 23.313" (592mm) W x 12.50" (318mm) D |
| R4B*0*0P | Rotating Super-LED forward facing | | | 4.5 | | | | | |

First and Second * for Driver Side Front and Passenger Side Rear and Third and Fourth * for Driver Side Rear and Passenger Side Front

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

| Model | Option Description |
|---|---|
| F4RB* | One Rota-Beam module, Amber or White, for inboard front or rear |
| F4RDL* | One single color long 12 Super-LED DYAD™ lighthead, Amber or White |
| R4BFLASH | Flasher for front or rear F4RDL* |
| F4MA3 | Two 3-LED alley lights, includes harnesses |
| F4MA6 | Two 6-LED alley lights, includes harnesses |
| F4RWA* | One single color short 6 Super-LED DYAD lighthead, warning for alley light position, Amber or White |

| Model | Option Description |
|---|---|
| R4BTL6 | Two 6-LED Super-LED long take-down lights, includes harnesses |
| R4BA3 | Two 3-LED Super-LED alley lights, includes harnesses |
| R4BA6 | Two 6-LED Super-LED alley lights, includes harnesses |
| R4BEND* | Color end dome for lightbar with center section only |
| R4BEND# | Color end dome with Clear alley window, for lightbar with center section only |

# Mini Liberty™ II Series

- SAE Class 1 Certified
- Hard-coated lenses minimize environmental damage from sand, salt, sun, and road chemicals
- 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)
- Five year warranty

*IT9AAAAP*
*shown with optional inboard modules*

**MTO**

| Model | Technology | Mount | Color | Amps | VDC | Patterns | Base | Size |
|---|---|---|---|---|---|---|---|---|
| IT9****P | Linear Super-LED® | Permanent | Amber or White | 4.0/peak 1.6/avg | 12 | 58 Scan-Lock™ patterns | Extruded aluminum | 2.50" (64mm) H x 19.375" (490mm) W x 11.313" (287mm) D |
| IT9****M | | Magnetic | | | | | | |
| IT9****V | | Magnetic/suction | | | | | | |

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

| Model | Option Description |
|---|---|
| IWDS* | One short Super-LED single color module |
| ITTS | Two short Super-LED take-down lights, for permanent mount |

| Model | Option Description |
|---|---|
| ITA | Two Super-LED alley lights for permanent mount |
| ITTSA | Two short Super-LED take-down and alley lights for permanent mount |

# Mini Legacy® Series

- SAE Class 1 Certified
- Hard-coated lenses minimize environmental damage from sand, salt, sun, and road chemicals
- 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)
- Five year warranty

*GT9AAAAM*
*shown with optional inboard modules*

**MTO**

| Model | Technology | Mount | Amps | VDC | Patterns | Base | Size |
|---|---|---|---|---|---|---|---|
| GT9****P | Linear Super-LED | Permanent | 3.72/all on 1.86/per alternating side | 12 | 58 Scan-Lock patterns | Extruded aluminum | 1.625" (41mm) H x 19.375" (490mm) W x 11.313" (287mm) D |
| GT9****M | | Magnetic | | | | | |
| GT9****V | | Magnetic/suction | | | | | |

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

| Model | Option Description |
|---|---|
| GSDS* | One short single color Super-LED module |
| GTTS | Two Super-LED take-down lights, for permanent mount |

| Model | 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  **MTO**



*GS8AAAA
shown with optional inboard
modules and work lights*

## SOLO™

### FEATURES

- Single color Linear Super-LED®
- 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
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Plug & Play into Whelen WeCan® controllers
- Clear outer lenses standard (available with color lenses)
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Optional Traffic Advisor™ available in single or DUO™ color
- Many options available, consult current price list or WeCad™ build-a-bar software
- Five year warranty

### SPECS

- 12 VDC
- SOLO Corner Amps - 1.26/peak and 0.50/avg per corner
- Meets SAE Class 1 specifications
- Size: 1.625" (41mm) H x 11.313" (287mm) D

### MODELS  **SOLO™**

| Legacy WeCan, Single Color | |
|---|---|
| GS4**** | 43.25" (110cm), one color |
| GS8**** | 48" (123cm), one color |
| GS2**** | 53.75" (136cm), one color |

## DUO+™

### FEATURES

- 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
- 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
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Photocell is optional
- Plug & Play into Whelen WeCan controllers
- Clear outer lenses standard
- Optional Traffic Advisor available in single or DUO color
- Many options available; consult current price list or WeCad build-a-bar software
- Five year warranty

### SPECS

- 12 VDC
- DUO Corner Amps (each color) - 3/peak and 1.8/avg per corner
- Meets SAE Class 1 specifications
- Size: 1.625" (41mm) H x 11.313" (287mm) D

### MODELS  **DUO+**

| Legacy WeCan, DUO+ Color | |
|---|---|
| GB4**** | 43.25" (110cm), one color |
| GB4#### | 43.25" (110cm), two color |
| GB8**** | 48" (123cm), one color |
| GB8#### | 48" (123cm), two color |
| GB2**** | 53.75" (136cm), one color |
| GB2#### | 53.75" (136cm), two color |

Additional models and options available, consult price list and/or WeCad software

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

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

# Liberty™ II Series

**MTO**

**PROCLERA®**
SILICONE OPTICS

*IX8AAAA*
*shown with optional inboard*
*modules and work lights*

**SOLO™ - Single color**
**DUO+™ - Single color or two color interleaved**

## FEATURES

- Single or DUO+ color Linear Super-LED®
- SOLO models available in Low Current or WeCan®, DUO+ models available in WeCan
- Increase clarity with Whelen's all-new, patent pending Proclera® Silicone Optics (available in work lights)
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with Liquid Injection Molded seals protect internal components from water intrusion
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Plug & Play into Whelen or vehicle manufactured controllers (WeCan only)
- Available with standard or low profile mounting feet
- Available with Clear or color lenses
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Many options available, consult current price list or WeCad™ build-a-bar software
- Five year warranty

## SPECS

- 12 VDC
- SOLO Corner Amps - 2/peak and 0.80/avg per corner
- DUO+ Corner Amps (each color) - 3/peak and 1.2/avg per corner
- Meets SAE Class 1 specifications
- Size: 2.50" (64mm) H x 11.313" (287mm) D

## MODELS

**SOLO™**

| Liberty II SOLO Low Current, Single Color | |
|---|---|
| IX4**** | 44" (110cm) Single Color, Amber or White |
| IX8**** | 48" (123cm) Single Color, Amber or White |
| IX2**** | 54" (136cm) Single Color, Amber or White |
| **Liberty II SOLO WeCan, Single Color** | |
| IW4**** | 44" (110cm) Single Color, Amber or White |
| IW8**** | 48" (123cm) Single Color, Amber or White |
| IW2**** | 54" (136cm) Single Color, Amber or White |

**DUO+™**

| Liberty II DUO+ WeCan, Single Color | |
|---|---|
| IB4**** | 44" (110cm) Single Color, Amber or White |
| IB8**** | 48" (123cm) Single Color, Amber or White |
| IB2**** | 54" (136cm) Single Color, Amber or White |
| **Liberty II DUO+ WeCan, DUO+ color** | |
| IB4#### | 44" (110cm) DUO+ Color, Blue, Amber or White |
| IB8#### | 48" (123cm) DUO+ Color, Blue, Amber or White |
| IB2#### | 54" (136cm) DUO+ Color, Blue, Amber or White |

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

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

**WHELEN®**

# Freedom® IV DYAD™ Series



F4W4AAAA
shown with optional inboard
modules and work lights

## DYAD - Two Level

## FEATURES

- Linear Super-LED® technology
- WeCan® DYAD two level technology (single or two color) allows for individual control of each level of each lighthead
- Low Current DYAD two level technology (single color) allows for individual control of each lighthead segment (2x2)
- Add up to 16 optional Linear Super-LED directional modules
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with Liquid Injection Molded seals protect internal components from water infiltration
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- 100% solid-state electronics
- Clear outer lenses standard
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Plug & Play into Whelen or vehicle manufactured controllers (WeCan only)
- 17' passenger side cable
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Many options available, consult current price list or WeCad™ build-a-bar software
- Five year warranty

## SPECS

- 12 VDC
- Amps - 1.68/peak and 0.67/avg per corner
- Meets SAE Class 1 specifications
- Size: 3.75" (95mm) H x 12.50" (318mm) D

## MODELS

| Freedom IV DYAD, Low Current | |
|---|---|
| F4X4**** | 44.50" (113cm) |
| F4X8**** | 49.25" (125cm) |
| F4X2**** | 55" (140cm) |
| F4X0**** | 60" (152cm) |
| F4X7**** | 72" (183cm) |

| Freedom IV DYAD, WeCan | |
|---|---|
| F4W4**** | 44.50" (113cm) |
| F4W8**** | 49.25" (125cm) |
| F4W2**** | 55" (140cm) |
| F4W0**** | 60" (152cm) |
| F4W7**** | 72" (183cm) |

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

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The program is available at: www.whelen.com

# Freedom® IV Rota-Beam™ Series

MTO
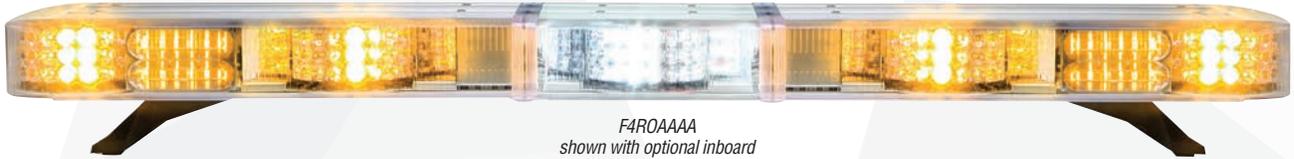


*F4ROAAAA
shown with optional inboard
modules and work lights*

## FEATURES

- Rotating Super-LED® technology
- Models include four half corner LED modules, multiple inboard options available
- 100% solid-state electronics
- Extruded aluminum platform
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Multiple Scan-Lock™ flash patterns, some with varying flash rates
- Clear outer lenses, optional color available
- Standard switching
- 20' passenger side cable
- Many options available, consult price list and/or WeCad™ build-a-bar software
- Five year warranty

## SPECS

- 12 VDC
- Amps per rotator, 1.3/peak and 0.6/avg
- SAE Class 1 Certified
- Size: 3.75 (95mm) H x 12".50 (318mm) D

## MODELS

| Freedom IV Rota-Beam, Rotating Modules | |
|---|---|
| F4R2**** | 55.125" (140cm) |
| F4R0**** | 60" (152cm) |
| F4R7**** | 72" (183cm) |

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

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

**WHELEN®**

# Justice® Series



*JE2AAAA*
*shown with optional inboard*
*modules and work lights*

## FEATURES

- Available with 9 or 6 diode Linear Super-LED® corners
- Individual control of each lighthead
- Plug & Play into Whelen WeCan® or vehicle manufactured controllers
- Extruded aluminum platform and Black polycarbonate base for added strength
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Easily upgraded or serviced in the field
- 15' passenger side exit cable
- Available with Clear or color lenses
- Many options available, consult price list and/or WeCad™ build-a-bar software
- Five year warranty

## SPECS

- 12 VDC
- 9 diode Linear-LED® Corner Amps, 1.5/peak and 0.6/avg per corner
- 6 diode Linear-LED Corner Amps, 1/peak and 0.4/avg per corner
- Meets SAE Class 1 specifications
- Size: 2.25 (57mm) H x 12" (304mm) D

## MODELS

| Justice Low Current, 9 Diode Linear-LED® Corners | |
|---|---|
| JC4**** | 44" (112cm) |
| JC8**** | 50.125" (132cm) |
| JC2**** | 56.25" (152cm) |
| JC0**** | 62.375" (158cm) |

| Justice Low Current, 6 Diode Linear-LED Corners | |
|---|---|
| JE4**** | 44" (112cm) |
| JE8**** | 50.125" (132cm) |
| JE2**** | 56.25" (152cm) |
| JE0**** | 62.375" (158cm) |

| Justice WeCan, 9 Diode Linear-LED Corners | |
|---|---|
| JV4**** | 44" (112cm) |
| JV8**** | 50.125" (132cm) |
| JV2**** | 56.25" (152cm) |
| JV0**** | 62.375" (158cm) |

| Justice WeCan, 6 Diode Linear-LED Corners | |
|---|---|
| JY4**** | 44" (112cm) |
| JY8**** | 50.125" (132cm) |
| JY2**** | 56.25" (152cm) |
| JY0**** | 62.375" (158cm) |

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

WeCad is a lightbar designer which allows you to design your own custom lightbar.
Once finished, WeCad will generate a bill of materials from which you can place your order.
The program is available at: www.whelen.com

# Century™ Elite Series

MTO



*CE4AAAA*
*shown with optional work lights*

## FEATURES

- Four extended Linear Super-LED® corner modules
- Extruded aluminum platform
- Standard low current switching with multiple Scan-Lock™ flash patterns and pattern override feature
- Front/rear and all bar control
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Compression fit gaskets provide moisture resistance
- Clip-Lock™ system allows easy access to lightbar for service or upgrade
- Clear outer lenses, color lenses available
- Optional LIN12™ inboard modules
- Many options available, consult price list and/or WeCad™ software
- Five year warranty

## SPECS

- 12 VDC
- 9 diode Linear-LED® Corner Amps, 0.42/peak and 0.4/avg
- SAE Class 1 Certified
- Size: 2.25" (57mm) H x 8" (207mm) D

## MODELS

| Century 9 Diode Linear-LED® Corners | |
|---|---|
| CE4**** | 44" (112cm) |
| CE8**** | 50" (132cm) |

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

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

**WHELEN**®

# Towman's™ Series

**MTO**

**PROCLERA®**
SILICONE OPTICS

## FEATURES

- SAE Class 1 Certified
- Liberty™ II models feature Whelen's all-new, patent pending Proclera® Silicone Optics for increased clarity (available in work lights)
- Front/rear warning lights are separately controlled
- Includes rear facing LED brake/tail/turn signals
- Three adjustable slide bolt mount
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Many options available, consult price list and/or WeCad™ software
- 12 VDC
- Five year warranty

*Liberty II / IW0BAAAA*

*Century / CW0BAAA*

*Freedom IV / F40BAAAA*

*Justice / JF0BAAAA*
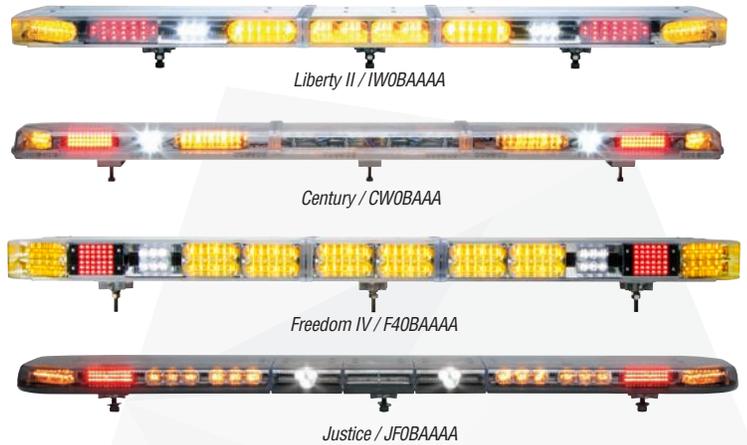
## MODELS

| Model | Series | Length | Size | Lighting | Inboard Warning Lights | Patterns | Base | Lenses |
|-------|--------|--------|------|----------|------------------------|----------|------|--------|
| IW0BAAAA | Liberty II | 60" (154cm) | 2.50" (64mm) H x 11.313 (287mm) D | 4 Linear-LED® corners 2 Super-LED® work lights, 2 LED brake/tail/turn lights | 2/Front, 4/Rear | WeCan® | Extruded aluminum I-Beam | Clear |
| CW0BAAA | Century™ | | 2.25" (57mm) H x 12" (304mm) D | | 4 Amber Linear-LEDs (2/Front, 2/Rear) | Action-Scan™ | | Color lenses standard |
| F40BAAAA | Freedom® IV | | 3.75" (95mm) H x 12.50" (318mm) D | 4 Bi-level Linear-LED corners 2 Super-LED work lights, 2 LED brake/tail/turn lights | 2/Front, 6/Rear (add up to 12 optional linear lightheads in pairs) | 75 Signal-Alert™ | | Clear outer standard, color available |
| JF0TAAAA | Justice® | 62.375" (158cm) | 2.25" (57mm) H x 12" (304mm) D | 4 Linear-LED corners 2 Super-LED work lights, 2 LED brake/tail/turn lights | Optional* | Action-Scan | Black polycarbonate base on extruded aluminum platform | |
| JF0BAAAA | | | | | 6 Amber CON3™* | | | |
| JF0DAAAA | | | | | 5 Amber CON3* & Traffic Advisor™ | | | |
| JFOFAAA | | | | | 16 Amber CON3s & brake/tail/turn | | | |

* Note: Can also add options. Special order Red or Blue

## OPTIONS

| Liberty II | |
|------------|--|
| **Model** | **Description** |
| IWDLA | Long 6 Super-LED lighthead, Amber |
| IWDSA | Short 3 Super-LED lighthead, Amber |

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

| Freedom IV | |
|------------|--|
| **Model** | **Description** |
| F4EDLA | One single color long economy DYAD™ Lighthead, Amber |

| Justice | |
|---------|--|
| **Model** | **Description** |
| JDC* | One CON3 |

**WHELEN®**

# Inner Edge® FST™ Series

**PROCLERA®**
SILICONE OPTICS

ISFL45X

**SOLO™ - Single color**
**DUO™ - Two color interleaved**
**TRIO™ - Three color interleaved**

## FEATURES

- Mounts to visor anchor points
- Available as passenger side only or driver and passenger side
- 38 Scan-Lock™ flash patterns
- Five or six lamps (per side)
- Low Current models are available with SOLO light modules
- WeCan® models are fully programmable, providing individual control of each color, and are available with SOLO, DUO, or TRIO interleaved light modules

- Increase clarity with Whelen's all-new, patent pending Proclera® Silicone Optics
- Vehicle specific housing minimizes flashback to vehicle passengers
- 17' cable included
- Ships fully assembled
- 12 VDC
- Meets SAE Class 1 specifications
- Five year warranty

## MODELS

**SOLO - Single color**
**DUO - Two color interleaved**
**TRIO - Three color interleaved**

| | Lamps | Units | Take-downs | Ford | | Chevy | Dodge |
|---|---|---|---|---|---|---|---|
| | | | | **NEW** Expedition, 2018 | F-150, 2015-2018, F-250/F-350, 2017-2018 | Suburban/Tahoe, 2015-2018, Silverado 1500/2500/3500, 2014-2018 | **NEW** Ram 1500, 2011-2018 |
| **SOLO - Low Current** | 4 | Passenger Only | 1 | | ISFL474 | | |
| | 5 | | | ISFL485 | | ISFL455 | ISFL425 |
| | 6 | | 0 | | ISFL475 | | |
| | | | | ISFL486 | | ISFL456 | ISFL426 |
| | 8 | Driver & Passenger | 2 | | ISFL478 | | |
| | 10 | | | ISFL48Z | | ISFL45Z | ISFL42Z |
| | 12 | | 0 | | ISFL47Z | | |
| | | | | ISFL48X | | ISFL45X | ISFL42X |
| **SOLO, DUO, or TRIO - WeCan** | 4 | Passenger Only | 1 | | ISFW474 | | |
| | 5 | | | ISFW485 | | ISFW455 | ISFW425 |
| | 6 | | 0 | | ISFW475 | | |
| | | | | ISFW486 | | ISFW456 | ISFW426 |
| | 8 | Driver & Passenger | 2 | | ISFW478 | | |
| | 10 | | | ISFW48Z | | ISFW45Z | ISFW42Z |
| | 12 | | 0 | | ISFW47Z | | |
| | | | | ISFW48X | | ISFW45X | ISFW42X |

| Lightheads | |
|---|---|
| ISS* | One SOLO lighthead, Amber, or White |
| ISD# | One DUO lighthead, Blue, Amber, and/or White |
| ISTBCA | One TRIO Lighthead, Blue/White/Amber |

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

Replace # symbol in model number with DUO color desired: E=Blue/White, F=Amber/White, M=Blue/Amber

Note: WeCad™ is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can call your Whelen sales representative and place your order. All lightbar orders require a WeCad drawing.

**WHELEN®**

# Inner Edge® RST™ Series

**PROCLERA®**
SILICONE OPTICS



ITRAYL12

**SOLO™ - Single color**
**DUO™ - Two color interleaved**
**TRIO™ - Three color interleaved**

## FEATURES

- Mounts to the rear headliner of SUVs and pickup trucks
- Drop-in lighthead tray is universal, allowing for easy serviceability
- Lighthead tray can be repurposed to a different vehicle by obtaining an alternate housing and mounting kit
- 70 Scan-Lock™ flash patterns
- Low Current models are available with SOLO light modules
- WeCan® models are fully programmable, providing individual control of each color, and are available with SOLO, DUO, or TRIO interleaved light modules

- Proclera® Optic Technology features 100% silicone internal optics
- Vehicle specific housing minimizes flashback to vehicle passengers
- 17' cable included
- Ships fully assembled
- 12 VDC
- Meets SAE Class 1 specifications
- Five year warranty

## MODELS

| Trays | |
|---|---|
| ITRAYL8 | 8 Lamp Tray for SOLO lightheads |
| ITRAYL10 | 10 Lamp Tray for SOLO lightheads |
| ITRAYL12 | 12 Lamp Tray for SOLO lightheads |
| **WeCan Trays** | |
| ITRAYW8 | 8 Lamp Tray for SOLO, DUO, or TRIO lightheads |
| ITRAYW10 | 10 Lamp Tray for SOLO, DUO, or TRIO lightheads |
| ITRAYW12 | 12 Lamp Tray for SOLO, DUO, or TRIO lightheads |

| Lightheads | |
|---|---|
| ISS* | One SOLO lighthead, Blue, Amber, or White |
| ISD# | One DUO lighthead, Blue, Amber, and/or White |
| ISTBCA | One TRIO lighthead, Blue/Amber/White |

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

Replace # symbol in model number with DUO color desired: E=Blue/White, F=Amber/White, M=Blue/Amber

| Vehicle Specific Housing | |
|---|---|
| IS458 | Chevy Tahoe/Suburban, 2015-2018, upper rear housing for eight or ten modules |
| IS488 | Ford Expedition, 2018, upper rear housing for eight or ten modules |
| IS448 | Dodge Durango, 2016-2018, upper rear housing for eight or ten modules |

Note: WeCad™ is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can call your Whelen sales representative and place your order. All lightbar orders require a WeCad drawing.

# Outer Edge® Series



OELS45



RPLS45

## FEATURES

- Lightheads are fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- WeCan capable models require a remote flasher, CenCom Carbide™, CanTrol®, or REMOTE16 module, purchased separately (no WeCan control point supplied)
- Meets SAE Class 1 specifications
- Five year warranty

### Rear Facing

- Two independent powder Black powder coated housings mount easily to the rear spoiler
- Each housing supports three ION™ lightheads in SOLO™, DUO™, or TRIO™ colors
- Low Current models are available with SOLO lightheads and feature Traffic Advisor™ patterns

### Rear Pillar

- Vehicle specific vacuum formed ABS housings conform to vehicle back pillars
- All-new vacuum formed housings provide easy serviceability and conform to vehicle back pillars
- Housings mount with 3M® VHB tape, included

## MODELS

| Model | Series | ION Lighthead | Patterns | Vehicle | VDC |
|-------|--------|---------------|----------|---------|-----|
| OELS45 | Rear Facing Low Current | SOLO | 25 Scan-Lock™ | Chevy Tahoe 2016-2018 | 12 |
| OEWS45 | Rear Facing WeCan Capable | | | | |
| OEWD45 | Rear Facing WeCan Capable | DUO | | | |
| OEWT45 | | TRIO | | | |
| RPLS45 | Rear Pillar Low Current | SOLO | | | |
| RPWS45 | | | | | |
| RPWD45 | Rear Pillar WeCan Capable | DUO | | | |
| RPWT45 | | TRIO | | | |

| Model | ION Lighthead | Color |
|-------|---------------|-------|
| OEION* | SOLO | Amber, or White |
| OEI2# | DUO | Amber, Blue, and/or White |
| OEI3BCA | TRIO | Blue/Amber/White |

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

Note: All Outer Edge orders require a corresponding Outer Edge worksheet which can be provided by your sales representative.

# Tracer™ Series

—TRACER™—

- • SAE Class 1 Certified
- • Available in SOLO™ (single color) DUO™ (two color interleaved) modules
- • Lightheads are daisy-chained together in lengths from 1 to 6 modules using the provided extrusion
- • DUO and feature steady override, such as White steady-burn
- • DUO models can be synced to other Whelen sync products
- • Traffic-Advisor™ included in 4-6 lamp versions
- • Encapsulated, water resistant control module for exterior or interior installation features two additional inputs for Traffic-Advisor functions

- • Cruise light control includes seven adjustable intensity levels
- • Custom light configuration choices are achieved via the mode control wire
- • Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- • Easily serviceable clamshell design
- • IP67 rated for dust and water resistance
- • Five year warranty

## MODELS

| SOLO | Description |
|------|-------------|
| TCRHS1 | 1 Lamp Housing |
| TCRHS2 | 2 Lamp Housing |
| TCRHS3 | 3 Lamp Housing |
| TCRHS4 | 4 Lamp Housing |
| TCRHS5 | 5 Lamp Housing |
| TCRHS6 | 6 Lamp Housing |
| TCRL* | Amber or White SOLO lighthead |

| DUO | Description |
|------|-------------|
| TCRHD1 | 1 Lamp Housing |
| TCRHD2 | 2 Lamp Housing |
| TCRHD3 | 3 Lamp Housing |
| TCRHD4 | 4 Lamp Housing |
| TCRHD5 | 5 Lamp Housing |
| TCRHD6 | 6 Lamp Housing |
| TCRL* | Amber and/or White DUO lighthead |

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

| Mounting | Description |
|----------|-------------|
| TCRB45 | Chevy Tahoe, 2015-2018, running board mounting kit for 5 lamp housing |
| TCRB45A | Chevy Silverado 1500 Crew Cab, 2015-2018, running board mounting kit for 6 lamp housing |
| TCRB47 | Ford F-150 SuperCrew, 2015-2018, running board mounting kit for 6 lamp housing |
| TCRB44 | Dodge Durango, 2015-2018, running board mounting kit for 5 lamp housing |
| TCRB42 | Dodge Ram 1500, 2015-2018, running board mounting kit for 6 lamp housing |
| TCRLBKT | 1 "L" bracket and hardware, order 1 more bracket than the number of lamps |
| TCRLBKT1 | Single mounting bracket and hardware for front or rear mounting under a lightbar. See current price list for details |
| TCRLBKT2 | Dual mounting bracket and hardware for front or rear mounting under a lightbar. See current price list for details |

NOTE: All SUV and pickup trucks must have factory running boards

# Traffic Advisor™ Straight Style

**MTO**

- 15' cable standard, extra length cables available
- Black extruded aluminum housing
- Long life LED operation with low current draw and low operating temperature
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- 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
- Five year warranty

TAM83/TAM83AA
TAD8/TAD8AA

TAZ86/TAZ86AA
TADP8/TADP8AA

TAM8348

TAM85
TAM85AA

TANF85
TANF85AA

TACF85
TACF85AA

TAL85

TA4437M
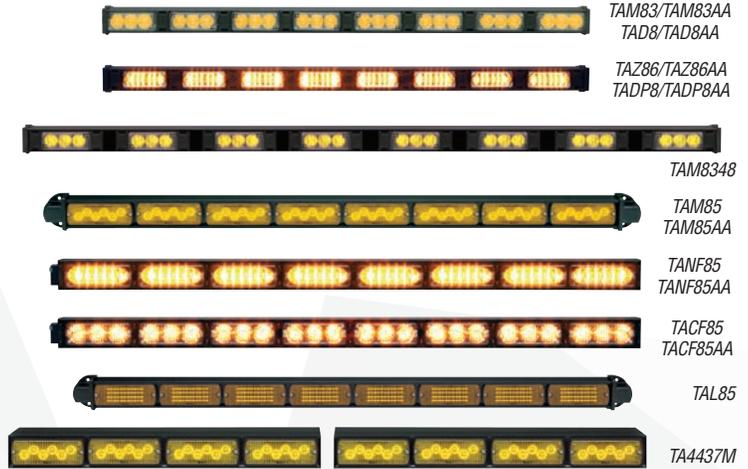
| Model | Technology | Modules | End Flasher | Mount | Control Head | VDC | Housing | Size | Length |
|---|---|---|---|---|---|---|---|---|---|
| TAM63 | TIR3™ | 6 | - | Surface/ slide bolt | TACTL5 included | 12 | Extreme low profile | 1.75" (44mm) H x 2.188" (55mm) D | 23" (58cm) |
| TAM83 | | 8 | - | | | | | | 30.845" (78cm) |
| TAM83AA | | | Yes | | | | | | |
| TAD6 | TIR3 Dominator™ Series | 6 | - | | Requires optional TADCTL1 or customer supplied switches | | | | 23" (58cm) |
| TAD8 | | 8 | - | | | | | | 30.845" (78cm) |
| TAD8AA | | | Yes | | | | | | |
| TADP6 | LINZ6™ Dominator Plus™ Series | 6 | - | | | | | | 23" (58cm) |
| TADP8 | | 8 | - | | | | | | 30.845" (78cm) |
| TADP8AA | | | Yes | | | | | | |
| TAZ66 | LINZ6 | 6 | - | | | | | | 23" (58cm) |
| TAZ86 | | 8 | - | | | | | | 30.845" (78cm) |
| TAZ86AA | | | Yes | | | | | | |
| TAM65 | 500 Series TIR6™ | 6 | - | Surface/ thru-bolt endcaps | TACTL5 included | | Low profile flat style | 2.845" (73mm) H x 2.25" (57mm) D | 36" (91cm) |
| TAM85 | | 8 | - | | | | | | 46.845" (119cm) |
| TAM85AA | | | Yes | | | | | | |
| NEW TA4437M | | 8 | Yes | | | | Rectangular two piece | 2.46" (62mm) H x 4.41" (112mm) D | 210.875" (56cm) |
| NEW TA4437M1 | | | | | | | | | |
| NEW TA4437M2 | | | | | | | | | |
| TANF65 | 500 Series Linear-LED® | 6 | | Surface/ slide bolt | | | Front load rectangular | 2.375" (60mm) H x 2.375" (60mm) D | 34" (86cm) |
| TANF85 | | 8 | | | | | | | 45.125" (115cm) |
| TANF85AA | | | Yes | | | | | | |
| TACF85 | CON3™ front load | | - | | | | | | 45.125" (115cm) |
| TACF85AA | | | Yes | | | | | | |
| TAL65 | 500 Series LED | 6 | - | Surface/ thru-bolt | | 12 or 24 | Low profile flat style | 2.845" (73mm) H x 2.25" (57mm) D | 36" (91cm) |
| TAL85 | | 8 | | | | | | | 46.845" (119cm) |

| Model | Option 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 |

| Model | Option Description |
|---|---|
| TACTL5 | Control head only, programmable for 6 & 8 lamp LED Traffic Advisor, includes auxiliary On/Off switch. Meets federal standards |
| TANBKT1 | Mount for top of vehicle for TACF85 and TANF85 horizontal mount |
| DELTAC5 | Delete TACTL5 from 6 to 8 light LED or halogen Traffic Advisor |
| DELTAC6 | Delete TACTL6 from 16 lamp LED or halogen Traffic Advisor |

# Traffic Advisor™ Straight Style  [MTO]

- Interior or exterior applications
- Black extruded aluminum housing
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Left arrow, right arrow, split arrow, and warning functions
- Rear dip switch provides eight flash patterns
- Five year warranty

*TAC8 control head*

*TAC815*

*TADF8*

## NEW TAC8 Series

- Eight front-loaded Super-LED modules
- Built-in left arrow, right arrow, split arrow, and warning functions
- Includes nine directional sequences and nine Scan-Lock® flash patterns
- LED modules are sealed units (IP67 rated)
- Control head features an auxiliary control for a device up to 6A

| Model | Technology | Lamps | Mount | Control Head | Housing | VDC | Cable | Size |
|---|---|---|---|---|---|---|---|---|
| NEW TAC815 | Super-LED | 8 | Surface mount/ slide bolt | TAC8 included | Deep "C" style | | 15' | 2" (52mm) H x 20.625" (67mm) D x 47.75" (121cm) L |
| NEW TAC830 | | | | | | | 30' | |
| NEW TAC850 | | | | | | | 50' | |
| TADF6 | 500 Series DUO Super-LED | 6 | Surface mount/ slide bolt | Requires optional TADCTL1 or customer supplied switches | Rectangular front load | 12 | 15 | 2.375" (60mm) H x 2.375" (60mm) D x 37" (94cm) L |
| TADF8 | | 8 | | | | | | 2.375" (60mm) H x 2.375" (60mm) D x 45.125" (114cm) L |
| TA45B72 | 700 Series Super-LED | 8 | Slide bolt | TACTL5 included | Rectangular one piece | | | 40.875" (124mm) H x 5.25" (133mm) D x 72" (182cm) L |

# Traffic Advisor Arrow Style  [MTO]

- Black extruded aluminum housing
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Left arrow, right arrow, split arrow, and warning functions
- Rear dip switch provides eight flash patterns
- Custom cable lengths available, contact factory
- Five year warranty

*TA166AL5*

*TA125NF1 / TA125NF2*

*TA165NF1 / TA165NF2*
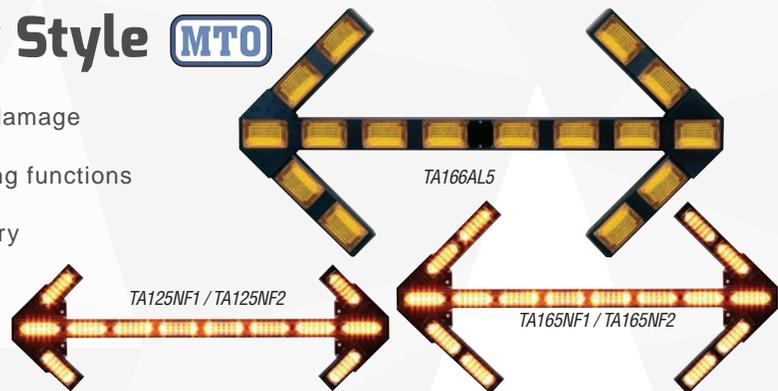
| Model | Technology | Modules | Mount | Control Head | Housing | VDC | Cable | Size |
|---|---|---|---|---|---|---|---|---|
| TA125NF1 | 500 Series Front Load LED | 12 | Surface mount/ slide bolt | TACTL6 included | One piece | 12 | 25' | 15" (381mm) H x 3.50" (89mm) D x 46" (117cm) L |
| TA125NF2 | | | | | | | 50' | |
| TA165NF1 | | 16 | | | | | 25' | 23" (584mm) H x 3.50" (89mm) D x 46" (117cm) L |
| TA165NF2 | | | | | | | 50' | |
| TA166AL5 | 600 Series LED | 16 | | | | | 40' | 36.50" (927mm) H x 4" (102mm) D x 5.50' (167cm) L |

| Model | Option Description |
|---|---|
| TACTL6 | Control head only, programmable for 16 lamp LED Traffic Advisor. Meets federal standards |

# NEWSurfaceMax™ Series

- • SAE Class 1 Certified
- • Super-LED® with full-fill optic
- • Easy to install patented mounting technology snaps into place and provides a clean look
- • Meets SAE certifications
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • 100% solid-state electronics
- • Rated IP67 for dust and water resistance
- • Hi/Low power
- • Optional Chrome or Black flange
- • Lack of metallic fasteners prevent galvanic corrosion, preventing paint defects
- • Fits existing mounting footprint of Hundred Series lightheads (backwards compatible to existing mounts)
- • Five year warranty

*C9LAC with C9FC*

*C6LAC with C6FC*

*C7LAC with C7FB*

**For NEW SurfaceMax Brake/Tail/Turn lights and Turn Signals, see pages 46 and 47**

| Model | Optics | Mount | Color | Lens | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| C9L* | | | | Color | | | 139 | | |
| C9L*C | | | | Clear | | | | | 8.125" (206mm) H x 10.125" (257mm) W x 1.563" (40mm) D |
| C9*S | | | | Color | | 2.5/peak 1.0/avg | | | |
| C9*SC | | | | Clear | | | Requires optional flasher | | |
| C7L* | | | | Color | | | 75 Scan-Lock™ | | |
| C7L*C | | | | Clear | | 1.25/peak 0.5/avg | | | 4.063" (103mm) H x 8.125" (206mm) W x 1.563" (40mm) D |
| C7*S | Super-LED | Surface | A, W | Color | 12 | | | 6" Pigtail | |
| C7*SC | | | | Clear | | | Requires optional flasher | | |
| C6L* | | | | Color | | | 75 Scan-Lock | | |
| C6L*C | | | | Clear | | 1.3/peak 0.52/avg | | | 5.125" (130mm) H x 8.313" (210mm) W x 1.563" (40mm) D |
| C6*S | | | | Color | | | | | |
| C6*SC | | | | Clear | | | Requires optional flasher | | |

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

| Model | | | Option Description |
|---|---|---|---|
| **C9** | **C7** | **C6** | |
| C9FB | C7FB | C6FB | Black flange kit |
| C9FC | C7FC | C6FC | Chrome plated flange kit |

# V23, M2, & M4 Series

- SAE Class 1 Certified
- Available with a patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Surface mount via two screws
- Lens and reflector are a sealed assembly
- Synchronize to other Whelen sync products
- Built-in flasher models are synchronizable
- M4 models available in 24 Volt, contact factory
- Five year warranty

*V23ATPC*

*M2A with M2GROM*

*M4A with M4FC*

*M4V2A with M4FC*

*M4V2A side view*

| Model | Optic | Technology | Color | Lens | VDC | Flasher | Patterns | Amps | Size |
|---|---|---|---|---|---|---|---|---|---|
| V23*TPB | V-Series™ (includes Black flange) | Super-LED® | A, W warning with W illumination | Clear | 12 | Built-in | 26 Scan-Lock™ | Warning 0.76/ peak 0.30/avg, Take-down 0.62, Perimeter 0.12 | 2.688 " (68mm) H x 4.25" (109mm) W x 1.50" (38mm) D |
| V23*TPC | V-Series (includes Chrome flange) | | | | | | | | |
| M2* | Directional | | A, W | Color | | | 25 Scan-Lock including steady-burn | 1/peak 0.45/avg | 2.50" (64mm) H x 4" (102mm) W x 1" (25mm) D |
| M2*C | | | | Clear | | | | | |
| M2F | | | Split A/W | Clear | | | 69 Scan-Lock | | |
| M2W* | Wide-angle | | A, W | Color | | | 26 Scan-Lock including steady-burn | | |
| M2W*C | | | | Clear | | | | | |
| M4* | Directional | | A, W | Color | | | 125 Scan-Lock | 1.5/peak 0.6/avg | 3.375" (86mm) H x 5.50" (138mm) W x 1.375" (35mm) D |
| M4*C | | | | Clear | | | | | |
| M4F | | | Split A/W | Clear | | | 69 Scan-Lock | | |
| M4*S | | | A, W | Color | | Requires flasher (Purchased separately) | - | | |
| M4*CS | | | | | | | | | |
| M4V2* | V-Series | | A, W warning with W illumination | Clear | | Built-in | 25 Scan-Lock | Warning 1.0/peak 0.40/ avg, Perimeter 0.77 | 3.375" (86mm) H x 5.50" (138mm) W x 1.845" (47mm) D |

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

| Model | | | | Option Description |
|---|---|---|---|---|
| V23 | M2 | M4 | M4V2 | |
| - | M2FC | M4FC | M4FC | Flange, Chrome |
| - | M2FB | M4FB | M4FB | Flange, Black |
| - | - | M4BRUSH | - | Brush guard, Black |
| - | - | M4FC400 | M4FC400 | Flange, Chrome, adapts M Series to 400 Series style lightheads |
| V23PEDB | M2PEDB | - | - | Pedestal mount kit, Black |
| V23PEDC | M2PEDC | - | - | Pedestal mount kit, Chrome |
| - | M2GROM | - | - | Grommet mount kit |
| - | - | M4CT15B | - | Fog light mount for 2015-2018 Chevy Tahoe, pair, Black |
| - | - | M4FF15B | - | Fog light mount, stainless steel, for 2015-2018 Ford F-150, pair, Black |
| V23P20B | - | - | - | Angled surface mount, Black |
| V23P20C | - | - | - | Angled surface mount, Chrome |
| - | - | M4TM15B | - | Mirror mount, Ford Transit 2015-2018, pair, Black |
| - | - | M4TB15B | - | Front lower side mount, Ford Transit 2015-2018, pair, Black |

*V23P20C*  *V23P20B*  *V23PEDB*  *V23PEDC*  *M2FC*  *M2FB*  *M2PEDB*  *M2GROM*  *M4FB*  *M4BRUSH*  *M4FC400*

# M6 & M7 Series

- SAE Class 1 Certified
- Front and rear pods hold M6 lightheads for the Ford Transit Medium or High roof
- Available in warning and warning with perimeter lighting
- Split models available
- Patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Includes California Title XIII compliant flash patterns
- Five-year warranty

*M6A with M6FC*  *M6V2A with M6FC*  *M6V2A side view*

*M7A with M7FC*

| Model | Optics | LED Color | Colors | Lens | VDC | Flasher | Patterns | Amps | Lighthead Size |
|---|---|---|---|---|---|---|---|---|---|
| M6* | Directional | Single color | A, W | Color | 12 | Built-in | 159 Scan-Lock™ | 2.25/peak 0.9/avg | 4.313" (109mm) H x 6.75" (170mm) W x 1.375" (35mm) D |
| M6*C | | | | Clear | | | 64 Scan-Lock | | |
| M6F | | Split color | A/W | Clear | | | | | |
| M6*S | | Single color | | Color | | Requires flasher purchased separately | - | | |
| M6*CS | | | | Clear | | | | | |
| M6V2* | Combination warning and perimeter illumination | Single color warning, White illumination | A, W | Color for warning, Clear for illumination | | Built-in | Warning has 25 Scan-Lock | Warning 1.5/peak 0.60/avg perimeter 0.77 | 4.313" (109mm) H x 6.75" (170mm) W x 2.25" (57mm) D |
| M6V2*C | | | | Clear | | | | | |
| M7* | Directional | Single color | | Color | | Built-in | 159 Scan-Lock | 2.25/peak 0.9/avg | 3.375" (86mm) H x 7.625" (194mm) W x 1.375" (35mm) D |
| M7*C | | | | Clear | | | 64 Scan-Lock | | |
| M7F | | Split color | A/W | Clear | | | | | |
| M7*S | | Single color | A, W | Color | | Requires flasher purchased separately | - | | |
| M7*CS | | | | Clear | | | | | |

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

| Model | | | Option Description |
|---|---|---|---|
| **M6** | **M6V2** | **M7** | |
| M6FC | M6FC | M7FC | Chrome plated flange |
| M6FB | M6FB | M7FB | Black flange |
| M6BRUSH | - | M7BRUSH | Black brush guard |
| M6FC600 | M6FC600 | M7FC700 | Chrome flange, adapts M Series to 600 and 700 Series style lightheads |
| M6P15C | - | - | Chrome 15° angled surface mount housing |
| M6P15B | - | - | Black 15° angled surface mount housing |
| - | - | M7BKT1 | Universal bracket for one lighthead |
| 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) |
| M6PTM5F | - | - | Front light pod for 8 M6 lightheads, Medium roof, Ford Transit 2015-2018 |
| M6PTHSF | - | - | Front light pod for 8 M6 lightheads, High roof, Ford Transit 2015-2018 |
| - | M6PT5R | - | Rear light pod for 6 M6 lightheads, Medium or High roof, Ford Transit 2015-2017 |

*M6FB*  *M6FC600*  *M6P15C*  *M7FC*  *M7FB*  *M7BRUSH*  *M7FC700*  *M7BKT1*

# M9 Series

- **SAE Class 1 Certified**
- DUO™ models feature independent control of color one and color two
- Combination warning/scenelight with sync and Hi/Low feature
- Available in warning and warning with scenelight models
- Patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Surface mounted via two screws
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Includes California Title XIII compliant flash patterns
- Five year warranty

*M9A with M9FC*

*M9ACZ*

*M9V2A side view*

*M9V2A side view*

| Model | Optics | Technology | Colors | Lens | VDC | Flasher | Patterns | Amps | Size |
|---|---|---|---|---|---|---|---|---|---|
| M9* | Directional | Single color | A, W | Color | 12 | Built-in | 159 Scan-Lock™ | 3/peak 1.2/avg | 6.50" (165mm) H x 10.375" (263mm) W x 1.375" (35mm) D |
| M9*C | | | | Clear | | | | | |
| M9F | | Split color | A/W | Clear | | | 64 Scan-Lock | | |
| M9*S | | Single color | A, W | Color | | Requires flasher purchased separately | - | | |
| M9*CS | | | | Clear | | | | | |
| M92F | DUO | Two color | A/W | Clear | | Built-in | 33 Scan-Lock | 2.4/peak 0.96/avg | |
| M9*CZ | Combo | Color warning and scenelight | A/W | Clear | | | | Warning 1.58 Scenelight 1.53 | |
| M9V2* | V-Series™ (includes Chrome flange) | Single color warning, White illumination | A, W | Color for warning, Clear for illumination | | | 25 Scan-Lock | Warning 2.4/peak 0.96/avg scenelight 2.4 amps | 6.50" (165mm) H x 10.375" (263mm) W x 2.625" (66mm) D |
| M9V2*C | | | | Clear | | | | | |

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

| Model | | Option Description |
|---|---|---|
| **M9** | **M9V2** | |
| M9FC | - | Chrome plated flange |
| M9FB | M9FB | Black flange |
| M9BRUSH | - | Black brush guard |
| M9FC900 | M9FC900 | Chrome flange, adapts M Series to 900 Series style lightheads |
| M9HTM5FC | | Chrome-plated housings, sold in pairs for front driver and passenger side of the 2015-2018 Ford Transit Medium roof |
| M9HTM5RC | | Chrome-plated housings, sold in pairs for rear driver and passenger side of the 2015-2018 Ford Transit Medium roof |
| M9HTH5FC | | Chrome-plated housings, sold in pairs for front driver and passenger side of the 2015-2018 Ford Transit High roof |
| M9HTH5RC | | Chrome-plated housings, sold in pairs for rear driver and passenger side of the 2015-2018 Ford Transit High roof |

*M9FC*

*M9FB*

*M9BRUSH*

*M9FC900*

*M9HTM5FC*

*M9HTM5RC*

# Vertex™ 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
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Synchronize to other Whelen sync products
- Clear outer lens, color LEDs
- 24 Volt models available, contact factory
- Five year warranty

VTX609A  VTX609F  VTXD609*  VTX3609A

| Model | Optics | Technology | Mount | Color | VDC | Patterns | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| VTX609* | Single color | Super-LED® | 1" Hole recess or Surface (Mounting Purchased separately) | A, W | 12 | 25 Scan-Lock™ | 0.750/ peak 0.30/avg | 9' | 1" (26mm) H x 1.625" (41mm) Dia. |
| VTX609# | Split color | | | | | | | | |
| VTXD609* | Single color/side emitting shield | | | | | | | | |
| VTXD609# | Split color/side emitting shield | | | | | | | | |
| VTX3609* | Single color/360° side emitter | | 1" Hole recess | | | | | | |
| VTX3609# | Split color/360° side emitter | | | | | | | | |
| VHB609* | Single color Omni-directional | | Surface | | | | | | |
| VHB609# | Split color Omni-directional | | | A/W, A/B | | | | | |

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

| Model | Option Description |
|---|---|
| VTXFC | Chrome plated flange |
| VTXFB | Black flange |

VTXFB  VTXFC

# Micron™ Series

- SAE Class 1 Certified
- Stud mount Micron allows for simple surface mount installation
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Synchronize to other Whelen sync products
- Five year warranty

MCRNSA

MCRNTA

| Model | Optics | Technology | Mount | Color | Housing | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| MCRNS* | Single color | Super-LED | Surface | A, W | Black | 12 | 0.6 | 25 Scan-Lock | 6" Pigtail | 0.875" (23mm) H x 4" (102mm) W x 0.875" (23mm) D |
| MCRNSC* | | | | | Chrome | | | | | |
| MSRNS# | Split color | | | A/W, A/B | Black | | | | | |
| MSRNSC# | | | | | Chrome | | | | | |
| MCRNT* | Single color | | Stud | A, W | Silver | | | | | |
| MCRNT# | Split color | | | A/W, A/B | | | | | |

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

| Model | Option Description |
|---|---|
| MCRNB1 | Black angle "L" mounting bracket |
| MCRNB2 | License plate bracket for two lights |

MCRNB1  MCRNB2

WHELEN®

# OS™ Series

- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Steady-burn requires remote flasher
- Clear outer lens, color LEDs
- Five year warranty



OSA00FCR

| Model | Optics | Technology | Mount | Color | VDC | Patterns | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| OS*00FCR | Directional | LED | Surface (includes Chrome flange) | A W | 12 | Single flash | 60mA/peak 30mA/avg | 6" Pigtail | 1" (25mm) H x 1.50"(48mm) W x 0.5" (13mm) D |
| OS*00SCR | | | | | | Steady | 30mA | | |

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

# Micro Freedom™

- SmartLED® design requires no external flasher
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Heavy-duty extruded aluminum frame, designed to be used in pairs
- Optional cable lengths available, contact factory
- Five year warranty
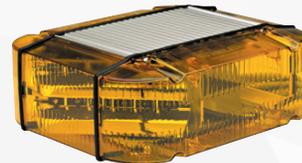


MCFLED2A

| Model | Optics | Technology | Mount | Color | Lens | VDC | Patterns | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| MCFLED2A | Directional | Super-LED® | Includes bolt | A | Amber | 12 | 75 SignalAlert™ per light module | 3.2mA | 12" Pigtail | 3.75" (95mm) H x 8" (203mm) W x 10" (254mm) D |

| Model | Option Description |
|---|---|
| W441DIN | Deutsch® waterproof connector (3 pins) installed on cable |
| W442DIN | Deutsch waterproof connector (3 sockets) installed on lighthead |

# 2G & 5G Series

- SmartLED® design requires no external flasher
- Fits all applicable industry mounting accessories
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Optional flange available for surface mounting
- Five year warranty



2GA00FAR          5GA00FAR

| Model | Optics | Technology | Mount | Color | Lens | VDC | Patterns | Amps | Cable | Size (with grommet) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2GA00FAR | Directional | LED | Recess mount (includes vinyl grommet) | A | Amber | 12 | 15 Scan-Lock™ patterns | 300mA/ avg 500mA/ peak | 12" Pigtail | 5.50" (140mm) Dia. x 1.25" (31mm) D |
| 2GA00FCR | | | | | Clear | | | | | |
| 5GA00FAR | | | | | Amber | | | | | 3.188" (81mm) H x 7.438" (189mm) W x 1.25" (32mm) D |
| 5GA00FCR | | | | | Clear | | | | | |

| Model | | Option Description |
|---|---|---|
| 2G | 5G | |
| 2GFLANGC | 5GFLANGC | Surface mount Chrome flange kit |
| 2GFLANGB | 5GFLANGB | Surface mount Black flange kit |
| 2GBKT1 | 5GBKT1 | Black surface mount "L" bracket |



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

# 3" Round

- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Ultra thin at only 7/16" (12mm) depth
- Five year warranty

3SA00FAR

| Model | Optics | Technology | Mount | Color | VDC | Amps in mA | Patterns | Cable | Size |
|-------|--------|-----------|-------|-------|-----|-----------|----------|-------|------|
| 3S*00F*R | Directional | LED | Surface mount | A, W | 12 | 0.50/peak 0.25/avg | 160 FPM | 6" Pigtail | 3" (76mm)Dia. |

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

| Model | Option Description |
|-------|-------------------|
| 3FLANGEC | Chrome plated flange |
| 3GROMMET | Rubber grommet kit |

3GROMMET          3FLANGEC

# 4" Round Series

- SAE Class 1 Certified
- Synchronize to other Whelen sync products
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Supplied with adapter for PAR-36 (4.50") applications
- Five year warranty

## Flat Lens

- TIR6™ Super-LED®

## Extended Lens

- LINZ6™ Super-LED
- Optional flasher simultaneously flashes or alternates multiple LED lightheads

2FA00ZAR, TIR6, Flat Lens

2EA00ZCR, LINZ6, Extended Lens

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Encapsulated | Cable | Size |
|-------|--------|-----------|-------|-------|-----|------|----------|-------------|-------|------|
| 2F*00Z*R | Flat lens | TIR6 Super-LED | Surface | A, W | 12 | 0.8/max .32/avg | 25 Scan-Lock™ | Yes | 6" Pigtail | 4.25" (108mm) Dia. x 1.188" D |
| 2E*00Z*R | Extended lens | LINZ6 Super-LED | Requires optional mounting | A, W | | 2/peak 0.9 avg | 25 Scan-Lock | | | 4.25" (108mm) Dia. x 2" D |

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

| Model | Option 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**®

# ION™ T-Series™ & Mini T-Series

- Linear Super-LED® optics
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Synchronize to other Whelen sync products
- Rated IP67 for dust and water resistance
- Easily surface mounts with two screws
- Includes Black flange
- Five year warranty

## ION T-Series

- SAE Class 1 Certified
- Available in SOLO™ or DUO™ models
- DUO models feature independent control of color one and color two
- SOLO models available in single or split colors
- Available with SAE Class 1 Certified Smoked lenses

## ION Mini T-Series

- SAE Class 1 Certified (single color only)

**SOLO™** TLIA

**DUO™** TLI2F

*Side view*

**SOLO™** TLMIA

**DUO™** NEW TLMIF

| Model | Series | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|-------|--------|--------|------------|-------|-------|-----|------|----------|-------|------|
| TLI* | T-Series | SOLO | Linear Super-LED® | Surface | A, W | 12 | 0.6/peak 0.24/avg | 25 Scan-Lock™ | 4 Wire 6" Pigtail | 1.5" (38mm) H x 5.14 (127mm) W x 0.5" (13mm) D |
| TLI# | | SOLO | | | A/W, A/B | | | 69 Scan-Lock | | |
| TLI2# | | DUO | | | | | | | | |
| TLMI* | Mini T-Series | SOLO | | | A, W | | 0.4/peak 0.16/avg | 25 Scan-Lock | | 1.5" (38mm) H x 3.375" (85mm) W x 0.5" (13mm) D |
| TLMI2# | | DUO | | | A/W, A/B | | 0.2/peak 0.08/avg per color | 69 Scan-Lock | | |

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

| Model | Option Description |
|-------|-------------------|
| TIONFC | Chrome plated flange |
| TIONBKT1 | "L" mounting bracket |
| TIONBKT2 | License plate bracket for 2 lights |
| TIONBKT3 | "L" mounting bracket for 2 lights |
| TIONBKT4 | Universal over/under "L" mounting bracket for 2 lights |

| Model | Option Description |
|-------|-------------------|
| TIONMFC | Mini T-Series Chrome flange |
| TIONMBK1 | Mini T-Series license plate bracket, vertical mount |
| TIONMBK2 | Mini T-Series license plate bracket, horizontal mount |
| TIONMLB | Universal adjustable license plate bracket for two ION Mini T-Series lighthead, vertical mount |
| TIONMLC | Universal swivel license plate bracket for two ION Mini T-Series lighthead, horizontal mount |

*TIONFC*          *TIONBKT2*

**WHELEN®** 39

# ION™ Series

- • SAE Class 1 Certified
- • Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- • Surface mount includes flange
- • Synchronize to other Whelen sync products
- • Five year warranty

*WIONA*

*WIONSMA*

## ION & WION

- • ION models feature TIR directional optic
- • WION models feature wide-angle optic
- • Available in single or split colors
- • Includes steady-burn, alternating, and simultaneous patterns

## ION DUO™ & TRIO™

- • Interleaved technology and new Linear-LED® optics
- • DUO models feature independent control of color one and color two
- • TRIO models feature any combination of color one, color two and color three. Color three has steady-burn override

*I2F* **iDUO™**

*I3MC* **iTRIO™**

| Model | Optics | Technology | Mount | Color | Housing | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| ION* | Directional | Linear Super-LED® | Universal | A, W | Black | 12 | 1/peak 0.40/avg | 25 Scan-Lock™ | 6" Pigtail | Universal mount: 1" (25mm) H x 4" (101mm) W x 1.25" (32mm) D |
| ION# | | | | A/W, B/A | | | | | | |
| WION* | Wide-angle | | | A, W | | | | | | |
| WION# | | | | A/W, B/A | | | | | | |
| IONSM* | Directional | | Surface | A, W | Chrome | | | | | |
| IONSMC* | | | | | | | | | | |
| IONSM# | | | | A/W, B/A | Black | | | | | |
| IONSMC# | | | | | Chrome | | | | | |
| WIONSM* | Wide-angle | | | A, W | Black | | | | | Surface mount: 1.688" (43mm) H x 6" (150mm) W x 1.125" (28mm) D |
| WIONSMC* | | | | | Chrome | | | | | |
| WIONSM# | | | | A/W, B/A | Black | | | | | |
| WIONSMC# | | | | | Chrome | | | | | |
| I2# | DUO | | Universal | B/W, A/W, B/A | Black | | 1/peak 0.40/avg per color | 64 | | |
| 12SM# | | | Surface | | | | | | | |
| I3MC | TRIO | | Universal | B/A/W with W override | | | | 25 | | |
| I3SMMC | | | Surface | | | | | | | |

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

| Model | Option Description |
|---|---|
| IONK1B | Swivel mount bracket, Black |
| IONGROM | Grommet mount kit |
| IONPEDB | Pedestal mount, Black |

| Model | Option Description |
|---|---|
| IONBKT1 | License plate bracket for 2 lights |
| IONBKT5 | Universal mount, reversed, remove screws without removing light |
| IONBKT6 | Rear hatch bracket, 2015-2018 Chevy Tahoe for 2 lights |
| IONBKT7 | Grille mount bracket, 2015-2018 Chevy Tahoe for 2 lights |

*IONK1B*  *IONGROM*  *IONPEDB*  *IONBKT1*  *IONBKT5*  *IONBKT6*  *IONBKT7*

# ION™ V-Series™

- SAE Class 1 Certified
- Available in 3-in-1 combination warning, alley/flood and puddle light or in single color warning only models
- Single color models have combination 180° and TIR directional warning
- Includes steady-burn, alternating and simultaneous patterns
- Black housing
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Synchronize to other Whelen sync products
- Five year warranty

*IONV3A*

*IONSV3A*

| Model | Optics | Technology | Mount | Colors | Housing | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| IONV3* | V-Series | Linear Super-LED® | Universal | A, W warning with W illumination | Black | 12 | Warning 0.76, Alley 0.31, Puddle 0.12 | 25 Scan-Lock™ | 6" Pigtail | 1" (25mm) H x 4.063" (104mm) W x 2.188" (56mm) D |
| IONV3*W | | | | | White | | | | | |
| IONSV3* | | | Surface, includes flange | | Black | | | | | 1.688" (43mm) H x 6" (150mm) W x 2" (50mm) D |
| IONSV3*W | | | | | White | | | | | |
| IONSV3*C | | | | | Chrome | | | | | |
| IONV1* | V-Series with directional lighting | Linear and TIR Super-LED | Universal | A, W | Black | | 1.147 | | | 1" (25mm) H x 4.063" (104mm) W x 2.188" (56mm) D |
| IONV1*W | | | | | White | | | | | |
| IONSV1* | | | Surface, includes flange | | Black | | | | | 1.688" (43mm) H x 6" (150mm) W x 2" (50mm) D |
| IONSV1*W | | | | | White | | | | | |
| IONSV1*C | | | | | Chrome | | | | | |

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

| Model | Option Description |
|---|---|
| IONK1B | Swivel mount bracket, Black |
| IONGROM | Grommet mount kit |
| IONPEDB | Black pedestal mount |

| Model | Option Description |
|---|---|
| IONBKT1 | License plate bracket for 2 lights |
| IONBKT5 | Universal mount, reversed, remove screws without removing light |
| IONBKT6 | Rear hatch bracket, 2015-2018 Chevy Tahoe for 2 lights |
| IONBKT7 | Grille mount bracket, 2015-2018 Chevy Tahoe for 2 lights |

*IONK1B*  *IONGROM*  *IONPEDB*  *IONBKT1*  *IONBKT5*  *IONBKT6*  *IONBKT7*

NOTE: For Chrome or White housings, contact factory for price, availability and minimum order requirements

# TIR3™, LIN3™, LINZ6™, & LINV2™

- **SAE Class 1 Certified**
- Includes Black polycarbonate mounting flange
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Synchronize to other Whelen sync products
- 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 warranty

RSA03ZCR

RSA02ZCR

LINSV2A

RVA03ZCR

LINZ6A

LINV2A

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Encapsulated | Cable | Size |
|-------|--------|-----------|-------|-------|-----|------|----------|--------------|-------|------|
| RS*03ZCR | Directional | TIR3 Super-LED® | Horizontal surface | A, W | 12 | 0.40/peak, 0.16/avg | 25 Scan-Lock | Yes | 6" Pigtail | 1.125" (28mm) H x 3.50" (89mm) W x 1.25" (32mm) D |
| RV*03ZCR | | | Vertical surface | | | | | | | |
| RS*02ZCR | | LIN3 Super-LED | Horizontal, surface | | | | | | | |
| LINZ6* | | LINZ6 Super-LED | | | | 0.75/peak, 0.30/avg | 69 Scan-Lock | | | 2" (48mm) H x 4" (102mm) W x 1.625" (40mm) D |
| LINZ6F | Split Directional | Split LINZ6 Super-LED | | A/W | | | | | | |
| LINZ61 | | | | 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 | | | 1.50" (40mm) H x 3.845 (98mm) W x 1.625" (42mm) D |
| LINSV2* | | | Under surface mounting | | | | | | | 1.125" (28mm) H x 2.845" (73mm) W x 2.813" (71mm) D |

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

| Model | Series | 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 |
| RBKT1 | | Mounting bracket for one light |
| RBKT2 | | Mounting bracket for two lights |
| LSVBKT13 | LINSV2 | Under-the-side view mirror bracket, pair Chevy Tahoe/Suburban, 2015-2018 |
| LSVBKT45 | | Under-the-side view mirror bracket, pair Chevy Tahoe/Suburban, 2015-2018 |
| LSVBKT44 | | Under-the-side view mirror bracket, pair Dodge Durango, 2013-2018 |
| LSVBKT42 | | Under-the-side view mirror bracket, pair, Dodge Ram 1500, 2011-2018 |
| LSVBKT47 | | Under-the-side view mirror bracket, pair, Ford F-150, 2015-2018 |

| Model | Series | Option Description |
|-------|--------|--------------------|
| RBKT6 | TIR3 LIN3 LINZ6 LINV2 | License plate bracket for 2 lights-horizontal |
| RBKT7 | | License plate bracket for 2 lights-vertical |
| RBKT14 | | Above rear taillight bracket, Chevy Silverado/GMC 1500, 2014-2018 |
| RBKT17 | | Above rear taillight bracket, Dodge Ram, 2014-2017 |
| RBKT18 | | Above rear taillight bracket, Ford F-150, 2015-2018 |
| RBKT19 | | Below rear taillight bracket, Ford F-150, 2015-2018 |
| RBKT4 | TIR3 LIN3 LINV2 | Swivel mounting bracket for one lighthead |
| LINZ6FC | LINZ6 | Deep Chrome plated flange kit |
| L6BKT5 | | Under side view mirror bracket |

RFLANGEC  RFLANGEA  RFLANG2C  RGROMMET  RBKT1  RBKT2  RBKT4  RBKT6  LINZ6FC  LSVBKT44

**WHELEN®**

# 400 Series

- SAE Class 1 Certified
- Available with Clear or color lens, V-Series™ has Clear lens only
- V-Series has 3-in-1 combination warning, alley/flood and ground illuminating puddle light
- Available with or without internal flasher
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- 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 warranty

40A02ZCR
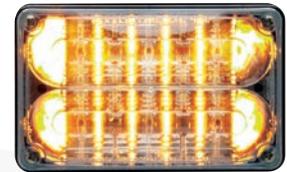
40AA5SCR

4V3A

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| 40**5SCR | Dual level | Linear Super-LED® | Requires optional mounting | A, W | 12 | 1.8/peak 0.72/avg | Requires optional flasher | 6" Pigtail | 3.188" (77mm) H x 4.938" (124mm) W x 2" (50mm) D |
| 40*02Z*R | Single level | | Surface | | | 0.90/peak 0.36/avg | 25 Scan-Lock | | 3.188" (77mm) H x 4.938" (124mm) W x 1.375" (34mm) D |
| 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 0.12 puddle | Warning has 25 Scan-Lock patterns | | 3.063" (77mm) H x 4.938" (124mm) W x 2.75" (69mm) D |

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

| Model | 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 | 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 Series

- • SAE Class 1 Certified
- • 500 V-Series™ features 3-in-1 warning, alley/flood and White ground illumination puddle light
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • Single color combination 180° and TIR directional warning light
- • Solid color available with Clear or color lens
- • V-Series and split color lights have Clear lens
- • 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 warranty

*50A03ZAR*

*50AB3ZCR*

*50A02ZAR*

*50A02SA1*
*Rear waste truck light*

*50AA2SA2*
*Cab mount*

*5V1A*

*5V3A*

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| 50*02Z*R | Single color, horizontal mount | Linear Super-LED® | Requires optional mounting | A, W | 12 | 1.0/peak 0.40/avg | 25 Scan-Lock™ | 6" Pigtail | 1.625" (41mm) H x 5" (127mm) W x 1.75" (44mm) D (lighthead only)) |
| 50**2ZCR | Split color, horizontal mount | | | A/A, A/B, A/W, W/W | | 0.50/peak 0.20/avg per side | | | |
| 5V*02Z*R | Single color, vertical mount | | | A, W | | 1.0/peak 0.40/avg | | | |
| 50AA2SA2 | Single color, vertical mount for truck cab | | Includes Chrome flange | A | | | | | |
| 50A02SA1 | Single color, horizontal mount for rear of waste truck | | Includes grommet & connector | A | | | | | |
| 50*03Z*R | Single color, horizontal mount | TIR6™ Super-LED | Requires optional mounting | A, W | | 0.63/peak 0.315/avg | | | 1.625" (41mm) H x 5" (127mm) W x 1.375" (35mm) D |
| 50**3ZCR | Split color, horizontal mount | | | A/A, A/B, A/W, W/W | | 0.315/peak 0.125/avg per side | | | |
| 5V1* | Single color, horizontal mount | V-Series & TIR Super-LED | | A, W | | 1.5/peak 0.6/avg | | | 2.125" (54mm) H x 5.375" (137mm) W x 1.625" (42mm) D |
| 5V3* | Warning, alley/flood & puddle light, horizontal mount | 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    Note: First * or ** is for LED color, second * is for lens color.

| Model | 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 |

| Model | Option Description |
|---|---|
| 5TSMAC | Chrome plated surface mount adapter, TIR6 Super-LED only |
| 5LSMAB | Black surface mount adapter, Linear-LED® only |
| 5LSMAC | Chrome plated surface mount adapter, Linear-LED only |
| 5BRUSH | Aluminum brush guard for TIR6 only, requires flange |
| 5BKT1 | Universal mounting bracket for Super-LED |

*5FLANGEB*   *5GFLANGEC*   *5FLANGEP*   *5GROMMET*   *5TSMAC*   *5LSMAC*   *5BRUSH*   *5BKT1*

**WHELEN®**

# 600 Series

- • SAE Class 1 Certified
- • 600 Series Rota-Beam™ features "rotating" technology, simulating the appearance of a rotating lighthead without any moving parts or motors for long-life reliability
- • 100% solid-state electronics
- • 180° horizontal light output
- • Clear or color lens
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • Integrate with other Whelen Rota-Beam products through synchronize feature
- • Five year warranty

6RBA

6RBAC

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|-------|--------|-----------|-------|-------|-----|------|----------|-------|------|
| 6RB* | Oscillating | Rota-Beam Super-LED | Surface | A, W Color lens | 12 | 2.2/peak, 1.1/avg | 14 Scan-Lock™ | 6" Pigtail | 4.188" (106mm) H x 6.563" (167mm) W x 3.438" (88mm) D |
| 6RB*C | | | | A, W Clear lens | | | | | |

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

| Model | 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

# Strip-Lite™

- • Slim rectangular shape offers mounting versatility in tight spaces
- • Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- • Fully encapsulated for moisture, vibration, and corrosion resistance
- • Easily surface mounts with two screws
- • Low current consumption
- • Polycarbonate construction
- • Five year warranty

PSA00FAR

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|-------|--------|-----------|-------|-------|-----|------|----------|-------|------|
| PS*00F*R | Directional | LED | Surface | A, W | 12 | 0.675/ max 0.27/avg | 14 Scan-Lock, includes steady-burn | 6" Pigtail | 1" (25mm) H x 11.50 " (292mm) W x 1.375" (35mm) D |

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

| Model | Option Description |
|-------|-------------------|
| PSBKT451 | 45° mounting bracket |
| PSBKT1 | Guard for use with or without angle bracket |

PSBKT1

PSBKT451

**WHELEN**®

# Brake/Tail/Turn Lights

- **NEW** SurfaceMax™ Series Super-LED® with all-new patented mounting technology
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Five year warranty

M6BTT

M9BTTX

PSR00XRR

PSRASXCR

20R00XRR    40BTT    NEW C6BTT    NEW C7BTT    NEW C9BTT

| Model | Optics | Technology | Mount | Color | Lens | VDC | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| 20R00XRR | 4" Round | LED | Requires optional mounting | R | R | 12 | 0.4/high 0.4/low | 6" Pigtail | 4.25" (108mm) Dia. |
| M6BTT | M6 Series | | Surface | | | | 0.85/brake 0.06/tail | | 4.313" (109mm) H x 6.75" (170mm) W x 1.375" (35mm) D |
| M9BTTX | M9 Series | | Surface | | R | | 0.75/brake 0.55/tail | | 6.50" (165mm) H x 10.375" (263mm) W x 1.375" (35mm) D |
| 40BTT | 400 Series | | | | | | 0.375/brake 0.040/tail | | 3.188" (77mm) H x 4.938" (124mm) W x 2.75" (69mm) D |
| NEW C6BTT | C6 Series | SurfaceMax Super-LED | Surface | | R | | 0.40/brake 0.050/tail | | 5.125" (130mm) H x 8.313" (210mm) W x 1.563" (40mm) D |
| NEW C6BTTC | | | | | C | | | | |
| NEW C7BTT | C7 Series | | | | R | | 0.80/brake 0.050/tail | | 4.063" (103mm) H x 8.125" (206mm) W x 1.563" (40mm) D |
| NEW C7BBTC | | | | | C | | | | |
| NEW C9BTT | C9 Series | | | | R | | 0.350/brake 0.040/tail | | 8.125" (206mm) H x 10.125" (257mm) W x 1.563" (40mm) D |
| NEW C9BBTC | | | | | C | | | | |
| PSR00XRR | Strip-Lite™ | LED | | | R | | 0.5 high/0.05 low | | 1" (25mm) H x 11.50" (292mm) W x 1.375" (35mm) D |
| PSRASXCR | | LED with turn | | R/A | C | | 0.225 turn/150mA brake/40mA turn | | |

| Model | | | | | | | | | Option Description |
|---|---|---|---|---|---|---|---|---|---|
| 4" Round | M6 | M7 | M9 | 400 | C6 | C7 | C9 | Strip-Lite | |
| 2FLANGEC | M6FC | M7FC | M9FC | 4EFLANGE | C6FC | C7FC | C9FC | - | Chrome plated flange |
| 2FLANGEB | M6FB | M7FB | M9FB | 4FLANGEB | C6FB | C7FB | C9FB | - | Black flange |
| - | M6BRUSH | M7BRUSH | M9BRUSH | - | - | - | - | PSBKT1 | Brush guard |
| 2GBKT1 | - | - | | - | - | - | - | - | "L" bracket |
| 2GROMMET | - | - | | - | - | - | - | - | Grommet mount kit |
| - | M6FCV2 | - | | - | - | - | - | - | Chrome flange, 2 lamp, vertical |
| - | M6FCV3 | - | | - | PLASC3V | - | - | - | Chrome flange, 3 lamps, vertical |
| - | M6FCV4 | - | | - | PLASC4V | - | - | - | Chrome flange, 4 lamps, vertical |
| | M6FC600 | | M9FC900 | | | | | | Chrome flange converts to 600 or 900 Series lighthead |
| | | | LEDLOAD | | | | | | Adds additional amperage load |

C7FC    C7FB    2FLANGEC    2FLANGEB    2GROMMET    2GBKT1    4EFLANGE    4FLANGEB    M6FCV2    M6FCV3    M6FCV4    PLASC3V    PLASC4V

**WHELEN®**

# Turn Signals

- **NEW** SurfaceMax™ Series Super-LED® with all-new patented mounting technology
- Arrows may be mounted left or right
- 400 LED Series is turn indicator/front marker clearance light combination
- M Series are surface mounted
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Mounting options are purchased separately
- Five year warranty

*M6T*

*M9T*

*40A00AAR*

*NEW C6TC*

*NEW C7TC*

*NEW C9TC*

| Model | Optics | Technology | Mount | Color | Lens | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| M6T | M6 Series | LED | Surface mount  Optional mounting available | A | Clear | 12 | 0.75/peak | 8 | 6" Pigtail | 4.313" (109mm) H x 6.75" (170mm) W x 1.375" (35mm) D |
| M9T | M9 Series | | | | Clear | | 1.2/peak | | | 6.50" (165mm) H x 10.375" (263mm) W x 1.375" (35mm) D |
| 40A00AAR | 400 Series | | | | Color | | 0.4/peak 0.06/avg | 2 | | 3.188" (77mm) H x 4.938" (124mm) W x 2.75" (69mm) D |
| C6T | C6 Series | SurfaceMax Super-LED | | | Color | | 0.460/peak 0.180/avg | 6 | | 5.125" (130mm) H x 8.313" (210mm) W x 1.563" (40mm) D |
| **NEW** C6TC | | | | | Clear | | | | | |
| C7T | C7 Series | | | | Color | | 0.420/peak 0.170/avg | | | 4.063" (103mm) H x 8.125" (206mm) W x 1.563" (40mm) D |
| **NEW** C7TC | | | | | Clear | | | | | |
| C9T | C9 Series | | | | Color | | 0.720/peak 0.280/avg | | | 8.125" (206mm) H x 10.125" (257mm) W x 1.563" (40mm) D |
| **NEW** C9TC | | | | | Clear | | | | | |

| Model | | | | | | Option Description |
|---|---|---|---|---|---|---|
| M6 | M9 | 400 | C6 | C7 | C9 | |
| M6FC | M9FC | 4EFLANGE | C6FC | C7FC | C9FC | Chrome plated flange |
| M6FB | M9FB | 4FLANGEB | C6FB | C7FB | C9FB | Black flange |
| M6BRUSH | M9BRUSH | - | - | - | - | Brush guard |
| M6FCV2 | - | - | - | - | - | Chrome flange for two lightheads, vertical |
| M6FCV3 | - | - | PLASC3V | - | - | Chrome flange for three lightheads, vertical |
| M6FCV4 | - | - | PLASC4V | - | - | Chrome flange for four lightheads, vertical |
| M6FC600 | M9FC900 | - | - | - | - | Chrome flange converts to 600 or 900 Series lighthead |

*C7FC*  *M6FC600*  *M6FC*  *M6FCV2*  *M6FCV3*  *M6FCV4*  *PLASC3V*  *PLASC4V*

# Back-Up Lights

- 400 Series Super-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
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Five year warranty

5GC00WCR

M6BUW

M9BUW

40C00VCR

40BUH

40BUV

60C00VCR

**NEW** C6BU

**NEW** C7BU

60C00WCR

70C00VCR

70C00WCR

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| M6BUW | M6 Series | Super-LED | Surface | W | 12 | 1.6 | Steady | 6" Pigtail | 4.313" (109mm) H x 6.75" (170mm) W x 1.375" (35mm) D |
| M9BUW | M9 Series | | | | | 1.8 | | | 6.50" (165mm) H x 10.375" (263mm) W x 1.375" (35mm) D |
| 5GC00WCR | 5G Series | | Includes grommet | | | 0.15 | | | 3.188" (77mm) H x 7.438" (189mm) W x 1.50" (38mm) D |
| 40C00VCR | 400 Series | LED | Horizontal | | | 0.35 | | | 3.188" (77mm) H x 4.938" (124mm) W x 2.75" (69mm) D |
| 40BUH | | Super-LED | | | | 1.0 | | | |
| 40BUV | | | Vertical | | | | | | |
| 60C00VCR | 600 Series | LED minimum | May be surface mounted | | | 0.35 | | | 4.125" (105mm) H x 6.50" (165mm) W x 1.375" (35mm) D |
| 60C00WCR | | LED maximum | | | | 0.6 | | | |
| **NEW** C6BUL | C6 | SurfaceMax Super-LED | | | | 0.125 | | | 5.15" (131mm) H x 7.56" (192mm) W x 1.565" (40mm) D |
| **NEW** C6BU | | | | | | 0.083 | | | |
| 70C00VCR | 700 Series | LED minimum | Optional mounting available | | | 0.35 | | | 3.063" (78mm) H x 7.25" (184mm) W x 1.25" (31mm) D |
| 70C00WCR | | LED maximum | | | | 0.5 | | | |
| **NEW** C7BUL | C7 | SurfaceMax Super-LED | | | | 0.5 | | | 4.079" (104mm) H x 8.289" (211mm) W x 1.575" (40mm) D |
| **NEW** C7BU | | | | | | 0.15 | | | |

| Model | | | | | | | Option Description |
|---|---|---|---|---|---|---|---|
| Super-LED | | | | LED | | | |
| C6 | C7 | M6 | M9 | 400 | 600 | 700 | |
| C6FC | C7FC | M6FC | M9FC | 4EFLANGE | 6EFLANGE | 7EFLANGE | Chrome plated flange |
| C6FB | C7FB | M6FB | M9FB | 4FLANGEB | 6FLANGEB | 7FLANGEB | Black flange |
| - | | M6BRUSH | M9BRUSH | - | - | - | Brush guard |
| - | | M6FCV2 | - | - | - | - | Chrome flange for two lightheads, vertical |
| PLASC3V | | M6FCV3 | - | - | PLAST3V | - | Chrome flange for three lightheads, vertical |
| PLASC4V | | 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  6FLANGEB  M6FC600  7FLANGEB  7EFLANGE  M6FC  M6FCV2  M6FCV3  M6FCV4  CAST3H  CAST3  CAST4V  7CAST3  PLASC3V  PLASC4V

**WHELEN**®

# Scenelights

- Super-LED® surface mounts are instant on with no warm-up time
- 500 Series lightheads requires mounting option, purchased separately
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Five year warranty

7SC0ENZR

6SC0ENZR

70C0ELZR

9SC0ENZR

M6ZC

NEW C9SL

M7ZC

M9LZC

| Model | Optics | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Size |
|-------|--------|------------|-------|-------|-----|------|----------|-------|------|
| 6SC0ENZR | 600 Series | Super-LED | Surface | W | 12 | 1.5 | Steady | 6" Pigtail | 4.125" (105mm) H x 6.50" (165mm) W x 1.75" (44mm) D |
| 60C0ELZR |  |  | Recess |  |  | 2 |  |  | |
| 7SC0ENZR | 700 Series |  | Surface |  |  | 2 |  |  | 3.063" (78mm) H x 7.25" (184mm) W x 1.75" (44mm) D |
| 70C0ELZR |  |  | Recess |  |  | 2 |  |  | |
| 9SC0ENZR | 900 Series |  | Surface, includes Chrome flange |  |  | 6 |  |  | 7.125" (181mm) H x 9.125" (232mm) W x 1.75" (44mm) D |
| M6ZC | M6 Series |  | Surface |  |  | 2 |  |  | 4.313" (109mm) H x 6.75" (170mm) W x 1.375" (35mm) D |
| M7ZC | M7 Series |  |  |  |  | 2.25/peak 0.9/avg |  |  | 3.375" (86mm) H x 7.625" (194mm) W x 1.375" (35mm) D |
| M9LZC | M9 Series |  | Surface, includes Chrome flange |  |  | 6 |  |  | 6.50" (165mm) H x 10.375" (263mm) W x 1.375" (35mm) D |
| NEW C9SL | C9 | SurfaceMax | Surface |  |  | 3.6 |  |  | 8.133" (207mm) H x 10.128" (257mm) W x 2.001" (51mm) D |

| Model Series | | | | | | | Option Description |
|------|------|------|------|------|------|------|--------------------|
| C9 | M6 | M7 | M9 | 600 | 700 | 900 | |
| C9FC | M6FC | M7FC | M9FC | 6EFLANGE | 7EFLANGE | 90FLANGC | Chrome plated flange |
| C9FB | M6FB | M7FB | M9FB | 6FLANGEB | 7FLANGEB | 90FLANGB | Black flange |

6EFLANGE

6FLANGEB

7EFLANGE

7FLANGEB

M6FC

M7FB

# 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 2.50" adapter for customer supplied 2.50" grommet, plus a 3" and 3.50" 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
- Hard-coated lenses minimize UV damage and resist scratches
- Five year warranty

*86CE1*

*T0CACCCR*

*20C0CDCR*
*shown with optional chrome flange*

*5GC0CCCR*
*shown with optional chrome flange*

*PSC0ADCR*

*PSC0CDCR*

*F18PC*

| Model | Optics | Technology | Mount | VDC | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|
| 86CE1 | Rectangular interior dome | Super-LED | Requires cut-out, includes flange | 12 | 2/high 0.20/low | 6" Pigtail | 6.438"(163mm) H x 8.188"(208mm) W x 1.25"(32mm) D |
| T0CACCCR | 2" Round compartment | 5mm LED | Surface | | 0.025 | 6" Pigtail | 2" (51mm) Dia. |
| 20C0CDCR | 2G Series (4" round) compartment | Super-LED 12 diode | Surface mount requires optional mounting | | 0.360 | 6" Pigtail includes Deutsch® connector | 4" (102mm) Dia. |
| 20C0CDCD | | | | | | | |
| 5GC0CCCR | 5G Series compartment | Super-LED | Includes Black grommet, requires optional mounting | | 0.525 | | 3.188" ( 81mm) H x 7.438" (189mm) W x 1.50" (38mm) D |
| PSC0ADCR | Strip-Lite compartment | 6 diode LED | | | 0.240 | | 1" (25mm) H x 11.50" (292mm) W x 1.375" (35mm) D |
| PSC0CDCR | | 18 diode LED | | | 0.480 | | |
| F09PC | Fluorent Plus compartment tube lighting | Super-LED | Surface | | 0.06 | 6" Pigtail | .625" (16mm) H x 9" (228mm) W |
| F18PC | | | | | 0.125 | | .625" (16mm) H x 18" (457mm) W |
| F27PC | | | | | 0.16 | | .625" (16mm) H x 27" (686mm) W |
| F36PC | | | | | 0.18 | | .625" (16mm) H x 36" (914mm) W |
| F45PC | | | | | 0.24 | | .625" (16mm) H x 45" (114cm) W |
| F54PC | | | | | 0.32 | | .625" (16mm) H x 54" (137cm) W |
| F63PC | | | | | 0.42 | | .625" (16mm) H x 63" (160cm) W |

| Model | 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 | 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®**

# 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
- Hard-coated lenses minimize UV damage and resist scratches
- Five year warranty

3SC0CDCR  3SR0CDRR  3SBCCDCR  3SRCCDCR

60C0EHCR  side view  60C0EJCS  60CBEGCS  60CREGCS

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

| Model | Optics | Technology | Mount | Housing | Switch | VDC | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| 3SC0CDCR | 3" Round LED | Compartment White | Surface Optional mounting available | Rubber gasket housing | - | 12 | 0.380 | 6" Pigtail | 3" (76mm) Dia. |
| 3SR0CDRR | | Nighttime illumination, Red | | | | | 0.300 | | |
| 3SBCCDCR | | Compartment split Blue/White | | | | | 0.310 | | |
| 3SRCCDCR | | Compartment split Red/White | | | | | | | |
| 60C0EHCR | 6" Round Super-LED | Compartment 18 diode, White | Surface | - | - | | 1.2/high 0.13/low | | 6" (152mm) Dia. x .625" (16mm) D |
| 60C0EJCS | | Compartment 6 diode, White | | | On/Off | | 0.70/high | | |
| 60CBEGCS | | Compartment 6 Blue diodes & 6 White diodes | | | Dual switches for On/Off color and On/ Off and White | | 0.70/White 0.50/Blue | | |
| 60CREGCS | | Compartment 6 Red diodes & 6 White diodes | | | | | 0.70/White 0.50/Red | | |
| 70CREGCS | 700 Series | Compartment 30 Red diodes & 30 White diodes | | | Backlighted dual switches for On/Off color and White | | 0.35/White 0.50/Red 2mA/switch | | 3.063" (78mm) H x 7.25" (184mm) W x 1.25" (31mm) D |
| 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 0.13/low | | 8.625" (218mm) Dia. x 1" (24mm) D |
| 80C00EZR | | 18 Diode, White | Fits 8" cutout with spring clip mounting, no mounting hardware required | Chrome flange | | | | | |
| 8WC00EZR | | | | White flange | | | | | |
| 80CBEHCR | | 6 White diodes 3 Blue diodes | 4 Screws | Chrome flange | | | 1.5/White 0.50/color | | |
| 80CREHCR | | 6 White diodes 3 Red diodes | | | | | | | |

| Model | 3" Round Options |
|---|---|
| 3FLANGEC | Chrome plated flange, surface mount |
| 3GROMMET | Grommet mount |

3FLANGEC  3GROMMET

# Illumination & Marker or Clearance Lighting

- 0S™ Series includes Chrome housing. It's 45° angle illuminates step surfaces and areas needing angled lighting. Interior or exterior use
- 0S Series marker/clearance has Clear lens
- 2" Round Series marker or clearance light includes 2.50" adapter for customer supplied 2.50" grommet, plus a 3" and 3.50" flange mount
- PEL Series has 40° downward projected light for illumination of vehicle's perimeter
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Five year warranty


0AC0EDCR


0SC0EDCR


T0A00MAR


0SR00MCR


0SA00MCR


T0R00MRR


PELCC

| Model | Optics | Technology | Application | Mount | Color | Lens | Housing | VDC | Amps | Patterns | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0SC0EDCR | 0S Series | LED | White illumination | Surface | W | Clear | Chrome | 12 | 0.3 | Steady | 1" (25mm) H x 1.50" (38mm) W x 0.5" (13mm) D |
| 0AC0EDCR | | | | | | | | | | | 1" (25mm) H x 1.845" (48mm) W x 0.875" (21mm) D |
| 0SA00MCR | | | Marker or clearance | | A | | | | | | 1" (25mm) H x 1.50" (38mm) W x 0.5" (13mm) D |
| 0SR00MCR | | | | | R | | | | | | |
| T0A00MAR | 2" Round | | | | A | A | - | | 0.8/max 0.5/avg | | 2" (51mm) Dia. |
| T0R00MRR | | | | | R | R | | | | | |
| PELCC | PEL Series | Super-LED® | Ground perimeter lighting | | W | | Chrome | | 0.85 | | 2.25" (56mm) H x 7.845" (201mm) W x 1.625" (42mm) D |
| PELCB | | | | | | | Black | | | | |
| PELCC4 | | | | | | | Chrome | 24 | 0.37 | | |
| PELCB4 | | | | | | | Black | | | | |

| Model | 2" Round Option Description |
|---|---|
| TGROM2 | Rubber grommet mount |
| TFLANGEC | Surface mount flange, Chrome |
| TFLANGEB | Surface mount flange, Black |


TGROM2


TFLANGEC


TFLANGEB

# PAR-36 & PAR-46 Replacement Lamps

• PAR lights have heavy-duty heatsink and industry standard brass slotted head connection point
• Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
• Includes 6" pigtail
• Five year warranty

*P36SLC*

*P46SLC*

*P46FLC*

*P46WLC*

| Model | Optics | Technology | Application | Mount | Color | Lens | Housing | VDC | Amps | Patterns | Size |
|-------|--------|-----------|-------------|-------|-------|------|---------|-----|------|----------|------|
| P46SLC | PAR-46 | Super-LED® | 2° Spotlight | Drop-in replacement for outdated halogen spotlight lamps | W | Clear | Black powder coated die-cast aluminum heatsink | 12 | 2.3 | Steady | 5.625" (144mm) Dia x 2.688" (69mm) D |
| P46FLC | | | 8° Spotlight | | | | | | 1.9 | | 5.625" (144mm) Dia x 1.813" (46mm) D |
| P46WLC | | | 20° x 60° Floodlight | | | | | | | | |
| P36SLC | PAR-36 | | 2° Spotlight | | | | | 12/24 | 0.85 @ 12 VDC 0.325 @ 24 VDC | Steady | 4.50" (111mm) Dia. x 2" (51mm) D |

# Pioneer™ Series Work Lights

## Pioneer Nano™

## Pioneer Micro™

**Pioneer™ Plus**
*Professional Illumination*

**WHELEN**

With their structural design and innovative optic technology, Whelen's Pioneer Series Super-LED® Work Lights are reliable and efficient. Models feature a variety of sizes and mounting options for every application and price point.

**For more information, request Whelen's Pioneer Series catalog**

## Pioneer SlimLine™

## Pioneer Surface Mount

## Pioneer Mounting Options

## Pioneer & Pioneer Plus™

**NEW** With Proclera® Silicone Optics

## Pioneer Max™

## Pioneer LiFe™

## Pioneer Quad™

**WHELEN**®

# PAR-36 & PAR-46

- Choose floodlight or spotlight models
- Black cast aluminum housing
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Pedestal swivel models include T-handle
- Super-LED® with low current draw
- Stainless steel bracket and hardware included
- Two intensities available
- For 24 VDC models, contact factory
- Five year 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 | Diodes | Amps | Lumens | Mount | Switch | Cover |
|-------|--------|------|--------|-------|--------|-------|
| PFBP12 | 12 | 1.7 | 1000 | Pedestal swivel | Built-in on/off switch | Black |
| PFBP12C | | | | | | Chrome |
| PFBP6 | 6 | 0.85 | 500 | | | Black |
| PFBP6C | | | | | | Chrome |
| PFBS12 | 12 | 1.7 | 1000 | Stud/ swivel | - | Black |
| PFBS12C | | | | | | Chrome |
| PFBS6 | 6 | 0.85 | 500 | | | Black |
| PFBS6C | | | | | | Chrome |
| PFBS6S | | | | | Built-in on/off switch | Black |
| PFBS12S | 12 | 1.7 | 1000 | | | |

## Spotlight Models

| Model | Diodes | Amps | Lumens | Mount | Switch | Cover |
|-------|--------|------|--------|-------|--------|-------|
| PSBP12 | 12 | 1.7 | 1000 | Pedestal swivel | Built-in on/off switch | Black |
| PSBP12C | | | | | | Chrome |
| PSBP6 | 6 | 0.85 | 500 | | | Black |
| PSBP6C | | | | | | Chrome |
| PSBS12 | 12 | 1.7 | 1000 | Stud/ swivel | - | Black |
| PSBS12C | | | | | | Chrome |
| PSBS6 | 6 | 0.85 | 500 | | | Black |
| PSBS6C | | | | | | Chrome |
| PSBS6S | | | | | Built-in on/off switch | Black |
| PSBS12S | 12 | 1.7 | 1000 | | | |

## Handheld Spot/Floodlights

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

| Model | Lighting | Diodes | VDC | Amps | Lumens | Mount |
|-------|----------|--------|-----|------|--------|-------|
| P46HHS | Spotlight | 18 | 12 | 2.3 | 2000 | Handheld includes magnet |

P46HHS

## Rubber Housing Spot/Floodlights

- Rubber stud/swivel housing
- Available with or without lighthead
- Five year warranty

| Model | 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

Note: For replacement lamps see page 53

# Pan & Tilt™ Spotlight

- Wired or wireless controlled spotlight
- Rated to last thousands of hours with remarkable bright light
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- 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: 8.75" (220mm) H x 7.75" (196mm) Dia
- Five year warranty

*PT360P*
*shown in tilted position*

*PT360F*
*Flange mount*
*shown in home position*

*Wired or wireless*
*controls*

| Model | Mount | Controller | Base | Lens | Amps | Lumens | VDC |
|-------|-------|-----------|------|------|------|--------|-----|
| PT360P | Permanent | Wired | Black Polycarbonate | Hard-coated polycarbonate resists 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
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Includes stainless steel pedestal/swivel mount
- Deutsch® waterproof connector
- Mounts standing or hanging
- 24 VDC available, contact factory
- Available in White
- Five year warranty

| Model | Lighting | Diodes | Amps | Lumens | VDC | Size |
|-------|----------|--------|------|--------|-----|------|
| 3PC0C0CD | Spotlight | 9 | 1.70 | 1,000 | 12 | 6.75" (171mm) H x 2.50" (64mm) D x 4.75" (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
- Includes LED "On" indicator
- 12 VDC
- Two year warranty

*PCCS9RW*

*PCC4W*

*PCCS9LW*

*PCC6W*
*PCC6W1*

*WCC9*
*WCC92*

*PCC8R*

*PCC10W*
*PCC10W1*

| Model | Type and Usage | Switches | Switch type | Installation | 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 | 11 Fast-on outputs, 4 pos AMP Mate-N-Lok® -for control, 2 pos Molex Mini Fit SR® - for power | 1.625" (40mm) H x 6.25" (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 | 1.625" (40mm) H x 4" (102mm) D x 6" (152mm) L |
| PCC4W | SPST, Lighted switches | 4 | 25 amp | 5 Wires power input, 5 wires output | 2.25" (57mm) H x 4" (102mm) D x 3.25" (83mm) L |
| PCC6W | | 6 | (6) 25 amp | 8 Position rear connector block | 2.25" (57mm) H x 3.625" (92mm) D x 6.625" (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: 1.25" (32mm) H x 4.75" (121mm) D x 7.25" (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 | 2.50" (64mm) H x 0.875" (22mm) D x 4.188" (106mm) L |
| WCC92 | Electronic control for Liberty II and Legacy® WeCan Lightbars | | | | |

| Switch Panel Models | | | | | |
|---|---|---|---|---|---|
| Model | Type | Usage | 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 |

*4SWITCH*

*3SWITCH*

*2SWITCH*

*1SWITCH*

# Flashers

- Polycarbonate housing
- Fully encapsulated for moisture, vibration and corrosion resistance
- UHF Series has external mounting flanges
- SmartLogic™ programmable flasher
  - Software is configurable via USB port
  - Outputs are internally protected and fused
  - 8 Inputs: 5 activating inputs, 3 non-activating for low power, photocell and brake/tail/turn cutoff
  - Default flash pattern
  - LED onboard diagnostic indicators
  - Day and night mode truck setups

*SSFPOS*

*UHF2150A*

*SLFLASH*

*ULF44*

*UFM8*
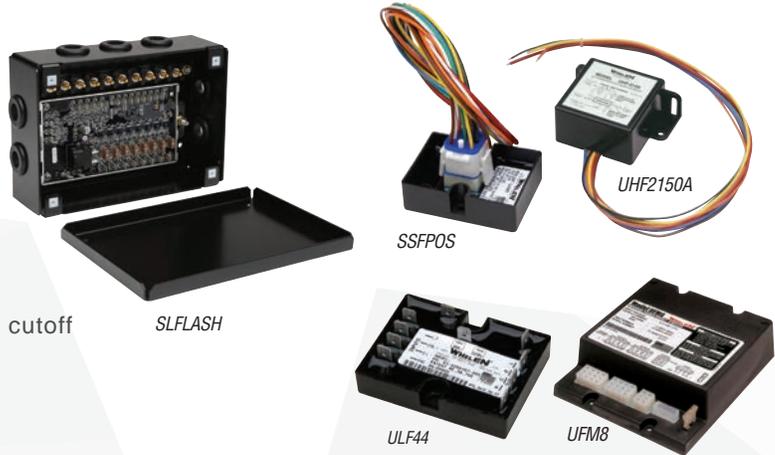
| Model | Usage | Solid-State | Outlets | Switching | Amps | VDC | Patterns | Size | Warranty |
|---|---|---|---|---|---|---|---|---|---|
| SSFPOS | Positive switching headlights | 100% | 2 Outlets | 1x1 | 12.5 Per outlet | 12 | 7 | 0.875" (22mm) H x 2" (50mm) W x 2.75" (70mm) D | 2 Year |
| UHF2150A | Positive or negative switching headlights | Controlled relay output | | | | | 4 | 1.50" (38mm) H x 4.25" (108mm) W x 3" (76mm) D | |
| ULF44 | LED lighthead | | 4 Outlets 4 Channels | 2x2 | 5 Per outlet | | 62 Alt/simul | 0.75" (26mm) H x 2.75" (70mm) W x 3.50" (89mm) D | |
| UFM8 | Halogen/LED lighthead | | 4 outlets | 2x2x2x2 | | | 17 | 0.75" (26mm) H x 2.75" (70mm) W x 3.50" (89mm) D | |
| SLFLASH | Auxiliary LED lightheads | 100% | 8 | Programmable | 5 Per outlet | | 64 | 3.375" (86mm) H x 6.375" (162mm) W x 3.375" (86mm) D | 5 Year |

| Model | 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 | Decibels | SAE Code | VDC | Size |
|---|---|---|---|---|
| WBUA97 | 97 | SAE J994 - Type C | 12/24 | 2.75" (69mm) H x 1.50" (38mm) D x 4" (102mm) L |
| WBUA107 | 107 | SAE J994 - Type B | | 2.75" (69mm) H x 1.50" (38mm) D x 4" (102mm) L |
| WBUA112 | 87-112 | -- | | 4" (101mm) H x 2.845" (73mm) D x 5.125" (130mm) L |
| WBUA112C | 112 | SAE J994 - Type A | | 4" (101mm) H x 2.845" (73mm) D x 5.125" (130mm) L |

**WHELEN**®

# Wing Plow™ Series

- Fully encapsulated for vibration, moisture and corrosion resistance
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Two styles of Amber lightheads provide complete coverage whether snowplow wing is in the operation position or in the stowed travel position
- Five year warranty

WPLOW2A

WPLOW1A

MTO

WPLOWZ2A

WPLOW3AA

| Model | Usage | Technology | 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 |

# DOT-LED® Lighting Systems

**MTO**

## Optics
- Certified by an AMECA-accredited testing laboratory to meet or exceed SAE warning lighting requirements in the appropriate specified safety colors
- Lighting profile easily defines the width and height of a highway vehicle
- Wide-angle Super-LED® lightheads ensure visibility when dump body is raised or lowered, including forward dump bodies
- All warning lighthead colors are Amber. For other colors, contact factory
- Multiple flash patterns and sequence options provide improved reference for motorists in determining the distance to and location of maintenance vehicles

## Design
- Pure copper stranded conductors used in all TPE cables are tin coated, providing superior longevity
- A 12" protective section of flex-tubing and coupling to the housing prevents cable chafing
- All rear lightheads are furnished with Deutsch® waterproof connectors
- Each system includes a complete installation kit, including cable harnesses
- 400 and 700 Series lighthead housings are 7 gauge welded stainless steel
- 500 Series lighthead housings are 11 gauge welded stainless steel
- Optional welded aluminum housings are also available

## Front System Components
Front system components are offered in four Super-LED models with combined 360° warning visibility. Includes 60' of heavy-duty TPE cable.

| Micro Freedom® | Micro 400 | Stainless Steel Micro 400 | Remote L31 Beacon |
|---|---|---|---|
| 3.75" (95mm) H x 9.313" (236mm) D x 12.313" (312mm) L | 3.75" (95mm) H x 10.75" (272mm) D x 10" (254mm) L | 3.625" (92mm) H x 8.25" (209mm) D x 8.25" (209mm) L | 4.50" (102mm) H x 7.188" (182mm) Dia. |

## Rear Lightheads
Rear lightheads are offered in three sizes. Super-LED lightheads have specially designed lenses for wide light output. All lightheads are supplied with Deutsch waterproof connectors.
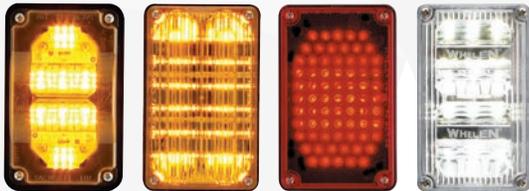
**400 Series**
4.938" (124mm) H x 3.188" (77mm) W

**500 Series**
5" (127mm) H x 1.625" (41mm) W

**700 Series**
7.25" (184mm) H x 3.063" (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.

**400 Series**
A   B   D
Height: Single: 5.845" (149mm)
Double: 11.375" (290mm)
Triple: 17" (430mm)
Width 3.50" (88mm)
Depth: 4.75" (120mm)

**500 Series**
A   B   D
Height: Single: 7" (178mm)
Double: 13.75" (348mm)
Triple: 20.375" (518mm)
Width: 2.50" (65mm)
Depth: 5" (127mm)

**700 Series**
A   B   D
Height: Single: 8.375" (213mm)
Double: 16.25" (412mm)
Triple: 24" (608mm)
Width 3.50" (88mm)
Depth: 5" (127mm)

# Light Systems

## DOT3401, DOT3501 & DOT3701
### 4 Light System

Two Micro Freedom® lightheads 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 |
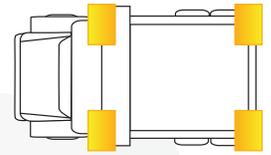
### SYSTEM 701
with 700 Series Lightheads

| | |
|---|---|
| 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 |
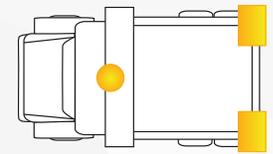
### SYSTEM 702
with 700 Series Lightheads

| | |
|---|---|
| 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 |
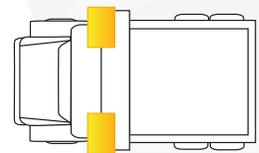
## DOT3404, DOT3504 & DOT3704
### 2 Light System

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 704
with 700 Series Lightheads

| | |
|---|---|
| DOT3704A | Warning |
| DOT3704B | Warning and brake/tail/turn |
| DOT3704D | Warning, brake/tail/turn and back-up |
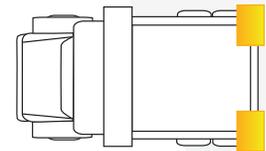
# Light Systems

## 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 |
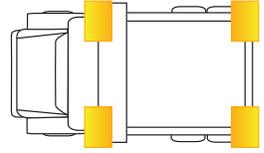
### SYSTEM 705
with 700 Series Lightheads

| | |
|---|---|
| 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 |
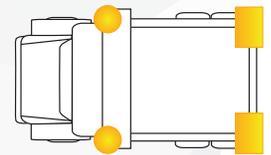
### SYSTEM 706
with 700 Series Lightheads

| | |
|---|---|
| DOT3706A | Warning |
| DOT3706B | Warning and brake/tail/turn |
| DOT3706D | Warning, brake/tail/turn and back-up |

## DOT3107
### 2 Light System

Two remote L31 Beacons

| | |
|---|---|
| DOT3107 | Two front Amber warning lights |
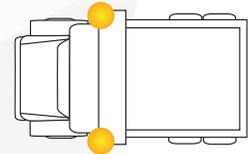
## DOT3108
### 2 Light System

Two Micro 400s

| | |
|---|---|
| DOT3108 | Two front Amber warning lights |
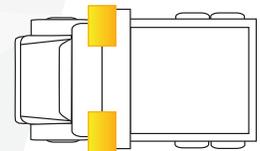
## DOT3109
### 2 Light System

Two stainless steel Micro 400s

| | |
|---|---|
| DOT3109 | Two front Amber warning lights |

**WHELEN**®
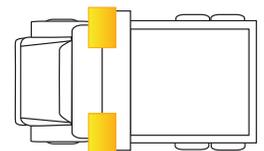
# Light Systems

## 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 |

**SYSTEM 710**
with 700 Series Lightheads

| DOT3710A | Warning |
|---|---|
| DOT3710B | Warning and brake/tail/turn |
| DOT3710D | Warning, brake/tail/turn and back-up |

## SmartLogic™ Programmable Flasher

Engineered to maintain situational awareness of the operator, the Smart-Logic Programmable Flasher houses numerous innovative technologies that deliver highly effective visual warning.

- Housed in a junction box for ease of mounting, along with wiring and connection protection
- Software is configurable via USB port

- All 8 5-amp solid-state outputs are internally protected and fused
- 5 activating inputs
- 3 non-activating inputs for low power, photocell, and brake/tail/turn cutoff
- Default flash pattern
- LED onboard diagnostic indicators signify active outputs and blown fuses
- Day and night mode truck setups

# DOT Options

## SnowAway™

Introducing industry-first technology for preventing snow build up on rear corner post lights in most conditions.

- Tempered glass heats uniformly and keeps lenses at 45° F in most conditions
- Switches on automatically when the temperature drops below 40° F, providing zero operator involvement
- LED indicator light in the cab automatically notifies operator that the system is on or off
- On/Off switch located in the cab allows operator to manually control the system if needed
- Tempered glass uses between 1-4 amps (colder temperature increases amp draw)
- Housing and lens design accommodates three lightheads
- 14 gauge wire included

| H400SV | 400 Series heated lens system |
|---|---|
| H400VD | 400 V-Series ™ heated lens system |

*DOT lighting system sold separately. Option includes heated lens system only.
Works with following system models: DOT3401D, DOT3402D, DOT3404D, DOT3405D, DOT3406D and DOT3410D

### L31 Branch Guard

Cast aluminum brush guard

| L360BGB | Brush guard for one L31 beacon |
|---|---|

# DOT Options

## 400 Series

### Super-LED® Back-Up Light

The 400 Series Super-LED Back-Up Light provides high intensity work zone illumination to increase operator and workforce safety

- Downward ground illumination optics
- Available in horizontal or vertical mount
- Mounts into 400 Series housings
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals

* Standard Option

| SUB40BUH | Substitute (2) 400 Horiz Backups for Vert |
|---|---|

## W400 V-Series

Dual purpose optics provide maximum rear corner post warning for all dump body positions.

- SAE Class 1 Certified
- Single color warning utilizing linear technology placed in both directions
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Vibration, moisture, and corrosion resistant
- Mounts vertically into DOT stainless steel housing
- Works in conjunction with current DOT flasher models
- Conformal coated PC boards
- 12" pigtail with Deutsch® waterproof connector and strain relief

| SUB4V400 | Substitute (2) Amber 400VV for 400 Linear Warning |
|---|---|

## Switch Control Panels

- Rated at 25 amps per switch
- Compact rocker style single pole/single throw switches
- Individual spade-type fused located on rear mounted fuse strip

| PCC4W | Four switches |
|---|---|
| PCC6W | Six switches |

## Wing Plow™ Lighting Systems

- TIR3 or LINZ6™ light modules for high visibility in both the snowplow's wing in stowed and travel positions

| WPLOW3AA | TIR3 light modules |
|---|---|
| WPLOW1A | Operating, Amber TIR3 |
| WPLOWZ1A | Operating, Amber LINZ6 |
| WPLOW2A | Stowed, Amber TIR3 |
| WPLOWZ2A | Stowed, Amber LINZ6 |
| WPLOWZ3A | LINZ6 light modules |

## Combination LED spot/ flood or flood work light

- Rubber housing and stainless steel hardware

| P36SLCHG | PAR-36 |
|---|---|

## TIR3™ Side Light

- For 400 and 700 Series rear housings

| ADD4TIR3 | 400 Series |
|---|---|
| ADD7TIR3 | 700 Series |

## Photocell

- Hi/Low power, includes Black flange

| NEW LCPHOTO | Logic level photocell |
|---|---|

## Pioneer Micro™ flood light

- Die-cast aluminum Black powder coated housing
- 3/8 stud carriage bolt mount
- Includes three additional lenses:
  - Flood with 90°x20° wide optics
  - Flood with 40°x20° optics
  - Flood with 40°x8° horizontal optics

| MPBB | Pioneer Micro, White |
|---|---|
| MPBBA | Pioneer Micro, Amber |

## Extension Cables

- Single or pairs in 30' and 45' lengths

| SUBF4C45 | Pair, 45' |
|---|---|
| SUBF4C30 | Pair, 30' |
| SUBF2C45 | Single, 45' |
| SUBF2C30 | Single, 30' |
| SUBR2C45 | Substitute 45' 2/C rear cable |
| SUBR5C45 | Substitute 45' 5/C rear cable |

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

## STROBE

**DIRECTIO**
02-0340362-00

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

**4ELTUBE**
02-0362824-00

**4ECTUBE**
02-0363172-00

**REPTSSTR**
02-0361109-02

**81L4TUBE**
02-0361921-00

**58L4TUBE**
02-0362189-00

**6ELTUBE**
02-0363173-00

**7ELTUBE**
02-0362641-00

**7ECTUBE**
02-0363031-01

**500LTUBE**
02-0363292-00

**9UTUBE**
02-0363171-00

**TURBOASY**
02-0361417-00

**LINEAR14**
02-0363043-00

**LINEAR17**
02-0363129-00

**LFLTUBE**
02-0363332-00

**900STUBE**
02-0383678-00

**SSTUBE**
01-0468256-00
36-0468256-00

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

**UNI**
36-0261100-00

**TURBO5**
5" Length
36-0142511-00

**FT1510**
01-0446216-01

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

**FT20A**
01-0441567-W0
36-0341567-00

**FT10A**
01-0441566-W0
36-0341566-00

**S30HA***
01-0461403-( )0

**S30TL**
01-0461281-00

**M469**
01-0470044-00

**FT25**
01-0443008-00
36-0343008-00

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

## HALOGEN & INCANDESCENT

**20W H20W12V**
01-0420781-00
34-0213030-9J

**27H H27W12V**
01-0421757-00
34-0021757-00

**35W H35W12V**
01-0421758-00
34-0021758-00

**50W H50W12V**
01-0021759-00
34-0021759-00

**H55H112**
34-02120B0-000

**H27TL12**
01-0462375-02

**H35TL12**
01-0462375-00

**H35DTL12**
01-0462503-01

**H50TL12**
01-0462375-05

**TA20TL12**
01-0462380-01

**H35HSC12**
01-0467838-01
34-0067838-01

**REPSTTWD**
01-0462507-00

**BRAKTL12**
01-0462503-00
34-0062389-00

**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

**H35SN24**
Yellow Dot
01-0441987-02
34-0041987-02

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

**H60SN12**
01-0441987-07
34-0041987-07

**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

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# Lighting Certifications

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.

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

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

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

### Warning Lamps and Devices

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

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

### Signalling and Marking Lighting Devices and Systems

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

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

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

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

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

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

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

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

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

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

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

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

**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)

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

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

## WHELEN LED TERMINOLOGY

**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.

**Proclera® Silicone Optic**
Proclera Optics are Whelen's innovative and efficient solution to distorted optical shape and fringe lighting. Silicone provides a higher transmission of light energy and optical power, providing you with the best outcome: less distortion and up to 2 times the light output, all while better directing light where it is needed most.

# Alphabetical Product Index

**MTO** Made to Order Products

**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®
## TRUSTED TO PERFORM™

51 Winthrop Road
Chester, CT 06412-0684
860-526-9504
www.whelen.com

**ISO 9001 Registered QMS**

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