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Specifications and prices subject to change without prior notice.

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Fax: 708-354-0168 800-592-4700

Email: sales@maxi-signal.com
Website: www.maxi-signal.com
**FORK TRUCK STROBES - DC Models**

The MICROSTROBE® IV strobe family is an enhanced version of the MICRO III featuring a new screw-on 100% water-tight lens and power supply which can operate from a very wide input voltage range of 12 through 80 VDC or 16 through 24 VAC. The supply has a regulated output so that the lamp brightness and flash rate remain constant over the entire input voltage range. The power supply is potted in polyurethane for the ultimate in protection from shock and vibration. The enclosure is 100% Lexan Type 4X, and the plug-in strobe lamp is field replaceable. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The MICROSTROBE® IV is protected with a **TEN YEAR WARRANTY**. See opposite page.

**SPECIFICATIONS**

- **Intensity**
  - CLEAR: 50 Candela
  - AMBER: 40 Candela
  - BLUE: 20 Candela
  - RED: 10 Candela
  - GREEN: 20 Candela
  - 1.75 Joules per flash, power supply output 2.7 Watts
  - 60 to 80 flashes per minute
  - UL component listed, type E, ES & EE Electric Trucks
  - 5" Tall x 3" Dia., 0.6 lbs.
  - **TEN YEAR WARRANTY**

**Options & Parts**

- G470: Guard
- 5001: Flashtube
- 470S-L: Lexan Lens
- BKT: L Mounting Bracket
- LBO: 180 Degree lens black out (NC if ordered with unit)

---

**MICROSTROBES® - AC Models**

For general purpose visible signals the versatile MICROSTROBE® does it all. Choose from several mounting styles - even a medium base light bulb socket model. The most recent models have been upgraded to polyurethane potted power supplies with screw-on Lexan lenses, creating a 100% water-tight Type 4X enclosure.

**Application Note for 120 VAC Units**

120 VAC units that are going to be switched on-off with a solid state relay should be ordered with option /TRIAC-SW to prevent false operation from snubber leakage current.

**SPECIFICATIONS**

- **Intensity**
  - CLEAR: 50 Candela
  - AMBER: 40 Candela
  - BLUE: 20 Candela
  - RED: 10 Candela
  - GREEN: 20 Candela
  - 1.75 Joules per flash, power supply output 2.7 Watts
  - 60 to 80 flashes per minute, -40F to +150F Temperature Range
  - All models UL Listed
  - Low power consumption 0.04 amps @ 120 VAC
  - 5" tall x 3" Dia., 0.6 lbs.
  - **Two Year Warranty**

**Options & Parts**

- G470: Guard
- 5001: Flashtube
- 470S-L: Lexan Lens
- /TRIAC-SW: Leakage current bypass
The MicroLED is the ideal choice for Lift Truck applications; offering excellent flash intensity rivaling strobe lights, durable vibration resistant construction, long life 100,000 hour LED technology, backed up with a five year warranty.

The above chart illustrates the superior technology employed by Tomar Electronics in the design of the MicroLED Lift Truck Flasher. It out-performs the competition easily. The vertical and horizontal flash intensity is bright enough to be visible on the ceiling and walls of warehouse aisles, helping locate a Lift Truck hidden by surrounding merchandise.

The tough Lexan Lens is spun welded to the base to completely seal out moisture. The MicroLED is UL recognized and manufactured to NEMA 4X specifications. It’s available in three colors (Amber, Blue and Red).

**SPECIFICATIONS:**

- 5 Year Warranty
- Voltage and Amperage: 200 mA @ 24 VDC, 100 mA @ 48 VDC, 50 mA @ 100 VDC
- Operating Temperature: -40+65 C
- NEMA 4X
- UL Recognized
- 12-80 VDC
- 100,000 hour LED
- Lexan Lens
- Neobe ® Flashing Technology - 75 FPM
- Pipe, Thread or Surface Mount
- Sealed Construction - NEMA 6P Capable
- 3 LED Colors - Amber, Blue, Red
- Size: 3” Dia. X 4.5” High, 3.4” bolt hole centers
- Weight: 0.45 Lbs.

<table>
<thead>
<tr>
<th>Model</th>
<th>Mounting Style</th>
<th>Voltage Range</th>
</tr>
</thead>
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<tr>
<td>370L-1280-&lt;color&gt;</td>
<td>Surface Mount 12-80 VDC</td>
<td>12-80 VDC</td>
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<tr>
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<td>12-80 VDC</td>
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</tr>
<tr>
<td>BKT</td>
<td>L Mounting Bracket</td>
<td></td>
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SINGLE FLASH HIGH INTENSITY STROBES

500P MICRO LITE™ MULTI-VOLTAGE INPUT

The model 500P family is a low profile single flash strobe light featuring a dual input voltage rating of 12 thru 28 VDC, three bolt mount and 1/2" pipe mount, Lexan lens, hi-efficiency regulated solid state potted power supply and heavy duty xenon strobe lamp. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The model 500P features a fully potted, Lexan, multipurpose mounting base which is vibration and water resistant, and has a field replaceable plug-in strobe lamp.

SPECIFICATIONS:
• Intensity:
  CLEAR  200 Candela eff.
  AMBER  170 Candela eff.
  BLUE   95  Candela eff.
  RED    40  Candela eff.
  GREEN  80  Candela eff.
• 6 joules per flash, power supply output 8 Watts
• 70-90 flashes per minute
• 5.25" Tall X 5.5" Dia.  2.0 lbs.
• 2 Year Warranty

500P-1228  12 thru 28 VDC, 0.8 A avg. @ 12 VDC, .4 A avg @ 24 VDC
500PMB-1228  12 thru 28 VDC with magnetic base & coiled cord.
500PMBSC-1228  12 thru 28 VDC with magnetic base & straight cord.

Note: Standard Models do not include a mounting flange (ring). If required, please order from the parts list below.

Options & Parts
2001  Strobe lamp
LBO-MINILITE  180 degree lens black out
TBO-MAXI  Top lens black out
BKT  L Mounting bracket
802-03  Lens dust cover
G802  Guard
500-1228-BASE  12-28 VDC Power Supply
800-FLG  Mounting Flange (ring)

550P MICRO LITE™ MULTI-VOLTAGE INPUT

The model 550P family is a low profile single flash strobe light featuring a multiple input voltage rating of 12 thru 74 VDC, three bolt and 1/2" pipe mount, Lexan lens, hi-efficiency regulated solid state potted power supply and heavy duty xenon strobe lamp. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The model 550P features a fully replaceable plug-in strobe lamp, and is UL component recognized for use on type E, EE and ES electric industrial trucks covered by UL standard #583 under file number AU2049.

SPECIFICATIONS:
• Intensity:
  CLEAR  270 Candela eff.
  AMBER  230 Candela eff.
  BLUE   125 Candela eff.
  RED    55  Candela eff.
  GREEN  110 Candela eff.
• 12 joules per flash, power supply output 11 Watts
• 70-90 flashes per minute
• 5.25" Tall X 5.5" Dia.  2.0 lbs.
• 2 Year Warranty

550P-1274  12 thru 74 VDC, 1.25 A avg. @ 12 VDC, .20 A avg @ 74 VDC
550PMB-1274  12-74 VDC with magnetic base & coiled cord
550PMBSC-1274  12-74 VDC with magnetic base & straight cord.

Note: Standard models do not include a mounting flange (ring). If required please order from the parts list below.

Options & Parts
2001  Strobe lamp
LBO-MINILITE  180 degree lens black out
TBO-MAXI  Top lens black out
BKT  L Mounting bracket
802-03  Lens dust cover
G802  Guard
550-1274-BASE  12-74 VDC Power Supply
800-FLG  Mounting Flange (ring)
MAXI™ STROBE MULTI-VOLTAGE INPUT

A medium profile single flash strobe of over one million candle power for high intensity applications. The MAXI™ STROBE can be seen in bright sunlight and has built-in filters to protect against radio interference and spike voltages.

- Potted circuit board protects against moisture, shock and vibration
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.

6.75" Tall X 5.5" Dia.  2.2 lbs.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Candela eff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>480</td>
</tr>
<tr>
<td>AMBER</td>
<td>400</td>
</tr>
<tr>
<td>BLUE</td>
<td>220</td>
</tr>
<tr>
<td>RED</td>
<td>95</td>
</tr>
<tr>
<td>GREEN</td>
<td>190</td>
</tr>
</tbody>
</table>

- 8 joules per flash.
- 80-95 FPM.
- 5 year extended warranty.

**Options & Parts**

- LBO-MAXI  180 degree lens black out
- TBO-MAXI  Top lens black out
- 4001 Flash tube
- G800 Guard
- 800/1250-DC Clear dust cover
- BKT L mounting bracket
- 1700 Lexan Lens
- 800-FLG Mounting flange

MINI LITE™ STROBE MULTI-VOLTAGE INPUT

A low profile single flash strobe of over one million candle power, for applications where overhead clearance is a problem. The MINI LITE™ is bright enough for outdoor applications in bright sunlight and has built-in filters to protect against radio interference and spike voltages.

- Potted circuit board protects against moisture, shock and vibration.
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.

5.25" Tall X 5.5" Dia.  2 lbs.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Candela eff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>400</td>
</tr>
<tr>
<td>AMBER</td>
<td>340</td>
</tr>
<tr>
<td>BLUE</td>
<td>185</td>
</tr>
<tr>
<td>RED</td>
<td>80</td>
</tr>
<tr>
<td>GREEN</td>
<td>160</td>
</tr>
</tbody>
</table>

- 8 joules per flash.
- 80-95 FPM.
- 5 year extended warranty.

**Options & Parts**

- LBO-MINILITE  180 degree lens black out
- TBO-MAXI  Top lens black out
- 4001 Flash tube
- G802 Guard
- 802-03 Clear dust cover
- BKT L mounting bracket
- 801-L Lexan lens
- 800-FLG Mounting flange
MULTI STROBE DOUBLE/QUAD FLASH
A medium profile double or Quad flash strobe of over one million candle power for high intensity applications. The MULTI STROBE can be seen in bright sunlight and has built-in filters to protect against radio interference and spike voltages.
- Potted circuit board protects against moisture, shock and vibration.
- Photocell to automatically adjust the intensity from day to night.
- Multi-mount base design...Flange...1/2” pipe mount...Thru bolts.
- Field selection of flash rate: Double or Quad by clipping a wire.

SPECIFICATIONS
Intensity Double Flash Quad Flash
CLEAR 1020 Candela eff. 1200 Candela eff.
AMBER 720 Candela eff. 1020 Candela eff.
BLUE 240 Candela eff. 560 Candela eff.
RED 160 Candela eff. 210 Candela eff.
GREEN 165 Candela eff. 480 Candela eff.
- 17 Joules per Double Flash
- 70-80 DFFM, 60-70 QFFM
- -40C to +71C
- 5 year extended warranty.

Options & Parts
LBO-MAXI 180 degree lens black out
TBO-MAXI Top lens black out
4001 Flash tube
G800 Guard
800/1250-DC Clear dust cover
BKT L mounting bracket
1700 Lexan Lens
800-FLG Mounting flange

MINI LITE II™ STROBE DOUBLE/QUAD FLASH
A low profile double or Quad flash strobe of over one million candle power, for applications where overhead clearance is a problem. The Mini Lite II is bright enough for outdoor applications in bright sunlight and has built-in filters to protect against radio interference and spike voltages.
- Potted circuit board protects against moisture, shock and vibration.
- Photocell to automatically adjust the intensity from day to night.
- Multi-mount base design...Flange...1/2” pipe mount...Thru bolts.
- Field selection of flash rate: Double or Quad by clipping a wire.

SPECIFICATIONS
Intensity Double Flash
CLEAR 750 Candela eff.
AMBER 525 Candela eff.
BLUE 175 Candela eff.
RED 115 Candela eff.
GREEN 120 Candela eff.
- 17 Joules per Double Flash
- 68 to 72 DFP, 58 to 62 QFFM
- 5.25” Tall X 5.5” Dia.  2 lbs.
- 5 year extended warranty.

Options & Parts
LBO-MINILITE 180 degree lens black out
TBO-MAXI Top lens black out
4001 Flash tube
G802 Guard
802-03 Clear dust cover
BKT L mounting bracket
801-L Lexan lens
800-FLG Mounting flange
PORTA-STROBETM

This battery operated strobe flasher provides a highly visible flash for a wide variety of applications. Use anywhere a bright portable flasher is needed with a pair of 6 V lantern batteries or our rechargeable version.

- 3 joules flash intensity @ 60 FPM.
- Impact resistant Lexan lens.
- Magnetic base option.
- 24 hour battery life.
- medium or low profile lens.
- 100% weatherproof
- 300 milliamp draw

7400     Medium profile 6' tall lens
7401     Low profile 4' tall lens
7400-MB  Medium profile mag. base
7401-MB  Low profile mag. base
7400/RC  Med. profile Rechargeable
7401/RC  Low profile Rechargeable
7400-MB/RC Med. profile mag. base
7401-MB/RC Low profile mag. base
460      6 V spring type lantern battery (two required)
PS-650LS Twin rechargeable battery pack
PSC-6500A-C Charger

Note: Rechargeable models include the battery pack. For non-rechargeable models please order (2) two number 460 batteries separately.

PORTA-LED™

This battery operated LED flasher provides a highly visible flash for a wide variety of applications. Industrial users will find it useful for maintenance personnel on job sites where power is not available or inconvenient to connect. A magnetic base option is available for secure mounting.

The LED bulbs provide life in excess of 100,000 hours and draw so little current, that battery life is measured in hundreds of hours.

Use the PORTA-LED™ anywhere a bright portable flasher is needed with a pair of 6 Volt lantern batteries. (batteries not included)

Dimensions: Lens: 5” dia. X 3” high. Case: 5” H X 7” W X 3” Deep.

7600-LED-A Amber PORTA-LED™
7600-LED-R Red PORTA-LED™
7600-LED-MB-A Amber magnetic base PORTA-LED™
7600-LED-MB-R Red magnetic base PORTA-LED™
460      6 Volt spring type lantern battery (two required)

Notes: 1. Other colors available upon request

The MINI STROBE® family is a single flash heavy duty strobe light featuring all aluminum housing, flange mount, lexan lens, and plug-in strobe lamp. The DC units are component recognized by UL for use on electric fork lift trucks.

SPECIFICATIONS

- Intensity 8 Joule 15 Joule
  CLEAR 185 Candela 360 Candela
  AMBER 160 Candela 300 Candela
  BLUE  85 Candela 160 Candela
  RED   40 Candela  80 Candela
  GREEN 70 Candela 140 Candela

- Power Supply Output 11 Watts
- Current Draw: 1.25 Amps @ 12 DC, 0.2 @ 74 DC.
- Current Draw: 0.17 Amps @ 120 AC, 0.12 @ 240 AC.
- 80 to 95 Flashes per Minute
- UL AU 2049 for E, ES, & EE trucks.
- 8 joule power supply 700 family
- 15 joule power supply 700-110-15J
- 6” Tall X 4.7” Dia., 1.3 lbs.

TWO YEAR WARRANTY

700-110  120 VAC, 50/60 Hz, 0.17 A
700-240  240 VAC, 50/60 Hz, 0.12 A
700-1274 12-74 VDC, 1.25 a @ 12 V
700-110-15J 120 VAC, 50/60 Hz, 15 J
700-120DC 120 VDC, 0.1 amps

Options & Parts

700-G  Guard
BKT  L mounting bracket
3001  Strobe lamp
700-L  Lexan Lens
6001  Strobe lamp (700-110-15J)
/PM1  1/2” pipe mount (factory installed)
GLASS LENS POWER STROBE®

The glass lens POWER STROBE® offers users with heavy duty applications a visible signal that will operate trouble free in the day-to-day environment of steel mills and similar facilities with corrosive, high temperature, shock and vibration conditions. The glass lens POWER STROBE® is the best choice for cranes, transfer cars, hot mills and coke plants.

Select from two power supplies, 10 or 15 joules and a stainless steel enclosure option. (15 joule power supply is for 120 VAC only)

- 1,000,000/1,500,000 peak candle power flash, 90 FPM
- NEMA 4 steel enclosure standard, optional stainless steel available
- 250 VDC models are provided with transient surge voltage protection
- Ambient temperature -55°C to +85°C
- 9” H X 6” W X 6” D, 10 lbs

3000-GLASS  250 VDC, 10 joules, 0.07 amps
3200-GLASS  120 VAC, 10 joules, 0.17 amps
3300-GLASS  240 VAC, 10 joules, 0.12 amps
3200-GLASS/HP 120 VAC, 15 joules, 0.25 amps

OPTIONS

/ss  Stainless steel enclosure

PARTS

3001 Strobe lamps
3006A Glass Lens
140030 Guard for glass lens
6001 Strobe lamp for HP models

REMOTE GLASS LENS POWER STROBE®

The remote glass lens POWER STROBE® has the same features as the standard lens version, except it will give the user a visible signal that can be operated in elevated temperatures or where conditions require the electronic circuitry to be out of harm’s way.

Enclosure: 8” X 6” X 4”, 6 lbs.  Lens: 6 1/2” dia. X 5” high, 4 lbs.

COMPLETE UNITS

3000/R-GLASS  250 VDC Remote glass lens, 10 joules, 0.07 amps
3200/R-GLASS  120 VAC Remote glass lens, 10 joules, 0.17 amps
3300/R-GLASS  240 VAC Remote glass lens, 10 joules, 0.12 amps
3200/R/HP-GLASS  120 VAC Remote glass lens, 15 joules, 0.25 amps

SEPARATE COMPONENTS

3015-GLASS Glass lens strobe head
3000-PS 250 VDC, 10 joule power supply
3200-PS 120 VAC, 10 joule power supply
3300-PS 240 VAC, 10 joule power supply
3200-PS/HP 120 VAC, 15 joule power supply

/ss  Stainless steel enclosure option

Specify lens color when ordering.

MAXI POWER STROBE®

Basic unit with high profile lexan lens to give larger, brighter flash.

- 1,000,000 CP @ 90 FPM
- 9” tall X 6.74” square, 6.5 lbs.
- Optional 15 joule 120 VAC power supply

3000ML  250 VDC, 10 joules, 0.07 amps
3200ML  120 VAC, 10 joules, 0.17 amps
3300ML  240 VAC, 10 joules, 0.12 amps
3200ML/HP 120 VAC, 15 joules, 0.25 amps

OPTIONS

/ss  Stainless steel enclosure
/gp  Heavy duty guard for ML version

REMOTE MAXI LENS POWER STROBE®

Basic unit with remote power supply and Maxi lens for application that could damage the power supply.

- Lens: 6.75” tall X 5.5” dia.
- Power Supply: 8” tall X 6” W X 4” Deep

COMPLETE UNITS

3000/RML  250 VDC, 10 joules, 0.07 amps
3200/RML  120 VAC, 10 joules, 0.17 amps
3300/RML  240 VAC, 10 joules, 0.12 amps
3200/HP/RML  120 VAC 15 joules, 0.25 amps

OPTIONS

/ss  Stainless steel enclosure
These models of single flash explosion proof UL listed strobe lights are designed for operation in hazardous areas rated Class I Div. 1 & 2, Group C & D and Class II Div. 1 & 2, group E, F, & G, & Class III Div. 1 & 2. Design features include a housing made of die cast high strength copper-free aluminum alloy with baked powder epoxy finish, stainless steel hardware, O-ring sealed prestressed glass globe with double pitch acme threads for smooth assembly and ease of maintenance, and an optional guard which need not be removed for relamping. 3/4" conduit hubs are standard.

### ORDERING INFORMATION

Please specify lens color and the model number desired. Colors available are AMBER, CLEAR, BLUE, GREEN, PURPLE OR RED.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>3150BEP-FM</td>
<td>Flange Mount</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
</tr>
<tr>
<td>3200BEP-FM</td>
<td>Flange Mount</td>
<td>120 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3300BEP-FM</td>
<td>Flange Mount</td>
<td>240 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3150BEP-PM</td>
<td>3/4&quot; Pendant Mt.</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
</tr>
<tr>
<td>3200BEP-PM</td>
<td>3/4&quot; Pendant Mt.</td>
<td>120 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3300BEP-PM</td>
<td>3/4&quot; Pendant Mt.</td>
<td>240 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3150BEP-WM</td>
<td>Wall Mount</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
</tr>
<tr>
<td>3200BEP-WM</td>
<td>Wall Mount</td>
<td>120 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3300BEP-WM</td>
<td>Wall Mount</td>
<td>240 VAC</td>
<td>UL</td>
</tr>
</tbody>
</table>

**Options:**

- EP-FM-1: Splice Box with 1" Hubs
- EP-PM-1: Splice Box with 1" Hubs
- EP-WM-1: Splice Box with 1" Hubs
- BEPG: Guard (optional)

### SPECIFICATIONS

**Lamp Type**

700-R1 Hermetically Sealed Xenon Strobe Lamp Assembly

**Voltage and Amperage**

- 12-74 VDC: Draws 1.25 A avg. @ 12 VDC tapering to 0.2 A avg. @ 74 VDC
- 120/240 VAC: Draws 0.17 A avg. @ 120 VAC (50/60 Hz) Draws 0.075 A avg. @ 240 VAC

**Power Supply Output**

- 13 Watts Standard, 11 Watts for 3150
- 9 joules per flash Std., 8 joules per flash for 3150

**Temperature Range**

-40 Degrees C to +55 degrees C

**Flash Rate**

85 Flashes per minute

**Temperature Code**

- T6 - Class I Groups C & D
- T4A - Class II Groups E, F, & G

**Intensity**

- Clear: 200 Candela eff.
- Amber: 170 Candela eff.
- Blue: 90 Candela eff.
- Red: 40 Candela eff.
- Green: 70 Candela eff.

**Size and Weight**

- 14" Tall X 7 1/4" Dia. 13 lbs. (368 mm) (222 mm) (5.9 kg.)

**Compliance:**

- UL 1203 & 1638
- NEMA 4X
The Super Explosion Proof family of double flash UL listed strobe lights are designed for operation in hazardous areas rated by the NEC as Class I, div 1 & 2 Group C & D and Class II, div. 1 & 2, Group E, F, & G and Class III, div. 1 & 2. They also meet NEMA standards 3, 4, 4X, 7CD and 9EFG, and are marine rated for use in salt water environments. Lens Colors: Amber, Blue, Clear, Green, Purple and Red.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7120BEP-FM</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-FM</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
<tr>
<td>7120BEP-PM</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-PM</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
<tr>
<td>7120BEP-WM</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-WM</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
</tbody>
</table>

Options

EPG: Guard

**Synchronizing Specifications**

**Synchronizing Circuit Connection:** This is a low voltage, low power customer connection which requires one 22 ga twisted pair run between each light. Max length between furthest lights is 3000 feet. Up to 100 lights of different voltages can be synchronized.

**Synchronizing Circuit Features:** Each light contains its own flash rate timing circuit which operates the lamp automatically and a bi-directional synchronizing circuit which overrides the internal timing circuit when connected to another light.

When two or more lamps are synchronized together, failure of any lamp will not prevent other lamps from operating.

Lights may be operated from different power sources, that is a 120 VAC unit may be synchronized with a 12 VDC unit.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>6001 Xenon Strobe Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage and Amperage</strong></td>
<td></td>
</tr>
<tr>
<td>120 VAC 60 Hz</td>
<td>Draws 0.4 A avg. (2.3 A max)</td>
</tr>
<tr>
<td>12/24 VDC</td>
<td>Draws 4.0/2.0 A avg. (8.0 A max)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Supply Output</th>
<th>26 Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Units</td>
<td>DC Units</td>
</tr>
<tr>
<td>20 joules 1st flash</td>
<td>20 joules 1st flash</td>
</tr>
<tr>
<td>20 joules 2nd flash</td>
<td>20 joules 2nd flash</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash Rate</th>
<th>40 Flashes per minute</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Clear 2000 Candela eff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber</td>
<td>1700 Candela eff.</td>
</tr>
<tr>
<td>Blue</td>
<td>900 Candela eff.</td>
</tr>
<tr>
<td>Red</td>
<td>400 Candela eff.</td>
</tr>
<tr>
<td>Green</td>
<td>700 Candela eff.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size and Weight</th>
<th>14.5&quot; Tall X 8.75&quot; Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(368 mm) X (222 mm)</td>
</tr>
<tr>
<td></td>
<td>13 lbs. (5.9 kg.)</td>
</tr>
</tbody>
</table>

| Compliances:       | UL 1203 & 1638          |
The Model 490S-1280T and 490S-120T strobe light are UL listed for use in Class I & II, Division 2 hazardous locations. These units have a Lexan lens and base, polyurethane potted power supplies and are suitable for outdoor use in NEMA 4 locations. They may be operated in any position and feature a 1/2" pipe mount. UL Listed for Class I, div 2 Groups A, B, C, & D. Class II, div 2, Groups F & G.

**SPECIFICATIONS**

- **Intensity**
  - CLEAR: 50 Candela
  - AMBER: 40 Candela
  - BLUE: 20 Candela
  - RED: 10 Candela
  - GREEN: 20 Candela

- 60 to 80 Flashes per Minute
- 1.75 joule power supply, 60-80 FPM
- Temp Code: Class I T2C 230°C. Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere.
- -40 Degree C to +55 Degree C
- 5" tall X 3" dia., 0.6 lbs.
- Model 490S-120T has built-in triac to prevent false operation from snubber leakage current caused by switching on and off from a solid state relay.

**TEN YEAR WARRANTY**

**HEAVY DUTY DIV. 2 STROBES UL LISTED**

The hazardous area group of strobes UL Listed for CLASS I DIV. 2 GROUP A, B, C & D. CLASS II DIV.2 GROUP F & G. CLASS III DIV. 2, and CSA Certified. These units feature cast aluminum construction, Lexan lenses and are suitable for outdoor use. Unique power supply design provides 120 thru 240 VAC and 12 thru 74 VDC input voltage.

**SPECIFICATIONS**

- CSA Certified
- Light Output = 200 ECP
- NEMA 4X
- UL 1598 impact resistant lens
- 8 joule power supply
- 80 Flashes per minute
- Temp Code: Class I T2A 280°C, Class II T6 85°C. Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere.
- 3/4" pendant mount
- -40 Degree C to +65 Degree C
- 8.5" tall X 5.4" dia., 3.2 lbs
- **TWO YEAR WARRANTY**

**5001**

| 4375-1274 | 12-74 VDC 1.2 A/12V |
| 4375-120 | 120-240 VAC 0.2 A/120 V |
| 2001 | Flashtube |
| 4375-L | Lens (specify color) |
Tomar Electronics introduces the Model 4000X family of Hazardous Location Div. 2 Strobe Lights engineered to perform in the harshest environments. Constructed of 30% glass-filled thermoset polyester, it is particularly well suited for installations in corrosive, wet NEMA 4X harsh environments, and hazardous locations. The high strength FRP material is resistant to the corrosive effects of most chemicals, hydrocarbons and solvents.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, offshore and dockside installations, agricultural, commercial, industrial, mining and marine facilities.

Totally non-metallic, these warning lights are fully potted in urethane material with no exposure to high voltage possible. NEMA 4X rated in any mounting configuration - base up, down or side positions.

Unique mounts allow for Pendant, Flange or Wall mount installations. Buy just the mounting style you need. Optional dome guard is also available.

- Class I, div. 2 groups A, B, C & D
- Class 1, Zone 2, groups IIC, IIB, IIA
- Class II Div. 2 groups F & G, Class III
- CSA Enclosure Type 4X, IP66
- NEMA 4X, Marine Rated
- 10 year warranty on Power Supply
- 10,000 hour strobe tube
- Sealed construction
- 6 Lens Colors: Amber, Blue, Clear, Green, Purple & Red.
- 5001 Xenon Strobe Tube, 80 Flashes per Minute
- Temperature Range: -40C to +85C, Temp Code: T12
- Voltage/Amps: 400mA @ 12 VDC, 200mA @ 24 VDC, 040mA @ 120 VAC, 020mA @ 240 VAC

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4024X</td>
<td>Xenon Strobe Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>4120X</td>
<td>Xenon Strobe Body Only</td>
<td>120 VAC</td>
</tr>
<tr>
<td>4240X</td>
<td>Xenon Strobe Body Only</td>
<td>240 VAC</td>
</tr>
</tbody>
</table>

Available Mounts & Guard Options

- NVP: Pendant Mount
- NVF: Flange/Ceiling Mount
- NWV: Wall Mount
- NVG: Dome Guard

SPECIFICATIONS to the following standards

- UL 1598 Standard for luminaires
- UL 1598A Marine luminaires
- UL 844 Standard for lighting fixtures for hazardous locations
- UL 1638 Standard for visual signalling applications
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed, NEMA 3, 4X, IP66
Tomar model 500L warning light features a super bright white LED light engine and choice of six interchangeable color lenses. All electronic components are encapsulated in polyurethane for unparalleled protection against moisture and vibration. It is available in 12-24 Volt, and is warranted for a full 5 years.

The 500L offers a choice of 21 programmable flash modes plus Steady burn, and the LED light source is rated at 100,000 hours of operation.

**Specifications**
- 12 – 24 VAC/DC
- Universal mounting
- 100,000 hour LED lamp
- Five year warranty
- NEMA 4X

**Model 500L-1224 DC Strobe. 1/2” Pipe Mount**

**Ordering Information**
Please specify lens colors and model number when ordering. Available colors are Amber, Blue, Clear, Green, Purple and Red.

**Ordering Information**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>500L-1224</td>
<td>DC strobe, 1/2” female pipe mount</td>
<td>12-24 VAC/DC</td>
</tr>
</tbody>
</table>

**Available Options**

NOTE: All “/” options are factory installed only.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BKT</td>
<td>Mounting bracket</td>
</tr>
<tr>
<td>/LBO–MINILITE</td>
<td>Lens blackout segment 180°</td>
</tr>
<tr>
<td>802–03</td>
<td>Lens dust cover</td>
</tr>
<tr>
<td>G802</td>
<td>Guard</td>
</tr>
<tr>
<td>TBO–MAXI</td>
<td>Top lens blackout</td>
</tr>
<tr>
<td>800–FLG</td>
<td>Flange mounting ring</td>
</tr>
<tr>
<td>MINILITE SHIELD</td>
<td>Vinyl, 180° shield</td>
</tr>
</tbody>
</table>

**ITEM**
- Flash Rate: 21 flash rates plus steady burn
- Light Output: 43 candela
- Voltage and Amperage: 0.3 A @ 24VDC flashing - 0.15A steady burn
- Size and Weight: 5.25” tall x 5.5” dia. x 2.0 lbs (133mm x 140mm x 0.9kg)
- Encapsulation: Fully potted in urethane material with no exposure to high voltage possible
- Operating Temperature: -40° to 65°
Tomar introduces a totally new LED warning Light. The MicroLert offers unique features not before seen in industrial signalling devices. It is the first such light designed from the ground up to take advantage of LED lighting technology.

MicroLert features an integral inverted cone design to provide full 360 degree coverage. The MicroLert lens is engineered for maximum light output and color clarity, and allows more of the LED light to be projected out than do conventional Fresnel lenses.

The tough Lexan Lens is spun welded to the base to completely seal out moisture. The MicroLert is UL listed and manufactured to NEMA 4X specification. It is available in five LED colors (amber, blue, green, red and white; and in steady burn and flashing models.

The MicroLert will operate over wide AC and DC input Voltage ranges. The DC version is designed to operate from 10-100 VDC, the AC version from 85-265 VAC. The MicroLert is guaranteed against factory defects for a full 5 years.

**SPECIFICATIONS**
- 5 year warranty
- High Power LED
- NEMA 4X
- UL Listed
- Wide AC and DC input voltages
- 5 LED colors
- Lexan Lens
- Steady on or flashing
- Surface, Pipe or Thread mounts
- Sealed construction - NEMA 6P capable
- Lamp Type - LED
- Size: 3" diameter X 2 1/2" High
- Voltage and Amperage
  - 24 VDC  198 mA for Single Flash
  - 120 VAC  040 mA for Single Flash
  - 240 VAC  020 mA for Single Flash

**FLASHING MODELS**
- 270LF-12-80  12-80 VDC Surface Mount LED
- 290LF-12-80  12-80 VDC 1/2" Pipe Mount LED
- 290LF-120-240 120-240 VAC 1/2" Pipe Mount LED
- 295LF-12-80  12-80 VDC 1/2" Male Thread LED
- 295LF-120-240 VAC 120-240 VAC 1/2" Male Thread LED

**STEADY ON MODELS**
- 270LS-12-80  12-80 VDC Surface Mount LED
- 290LS-12-80  12-80 VDC 1/2" Pipe Mount LED
- 290LS-120-240 120-240 VAC 1/2" Pipe Mount LED
- 295LS-12-80  12-80 VDC 1/2" Male Thread LED
- 295LS-120-240 120-240 VAC 1/2" Male Thread LED
Tomar Electronics introduces the Model 3000 family of LED Explosion Proof Lights. These warning Lights are UL Listed for Class 1, Division 1, Groups C & D; Class 2, Division 1, Groups E, F & G, and Class 3. They are available in six LED colors (Amber, Blue, Green, Magenta, Red and White).

Tomar’s Explosion Proof LED lights feature a unique thermal management system that utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer lamp life and more consistent light output. All electronics and LEDs are guaranteed against manufacturing defects for a full five years.

An internal switch allows for easy selection among steady-burning, single or double flash mode. Each light will operate over a wide AC and DC input voltage range. The DC version is designed to operate from 10-36 VDC; the AC version from 120-240 VAC.

The 3000 Family series are constructed to NEMA 4X standards and are marine rated for use in salt water environments. Design features include housing made of die cast high strength copper-free aluminum alloy with baked powder epoxy finish, stainless steel hardware, O-ring sealed prestressed glass dome with double pitch acme threads for smooth assembly and ease of maintenance.

### Ordering Information

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3024XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>3024XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>3024XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

**Options**

- BEPG Guard

### Specifications

- **Flash Rate** - 80 single FPM, 40 double FPM
- **Voltage and Amperage:**
  - 167 mA @ 24 VDC for single flash
  - 033 mA @ 120 VAC for single flash
  - 017 mA @ 240 VAC for single flash
- **Operating Temperature:** -40 C to 85 C.
- **Temperature Code:** T6
- **Dip switch selectable single flash, double-flash, or steady burn mode.**
- **Unique Thermal Management System utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer LED life and more consistent light output.**
- **Size and Weight:**
  - 13.6” Tall X 7.44” Diameter
  - 10 lbs, 6 oz.
Tomar Electronics introduces the Model 7000 family of LED Super Explosion Proof Lights. These warning Lights are UL Listed for Class 1, Division 1, Groups C & D: Class 2, Division 1, Groups E, F & G, and Class 3. They are available in six LED colors (Amber, Blue, Green, Magenta, Red and White).

Tomar’s Super Explosion Proof LED lights feature a unique thermal management system that utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer lamp life and more consistent light output. All electronics and LEDs are guaranteed against manufacturing defects for a full five years.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>7024XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>7024XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

**Options**

EPG Guard

### SPECIFICATIONS

- Flash Rate - 80 single FPM, 40 double FPM
- Voltage and Amperage:
  - 167 mA @ 24 VDC for single flash
  - 033 mA @ 120 VAC for single flash
  - 017 mA @ 240 VAC for single flash
- Operating Temperature: -40 C to 85 C
- Temperature Code: T6
- Dip switch selectable single flash, double-flash, or steady burn mode.
- Unique Thermal Management System utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer LED life and more consistent light output.
- Size and Weight:
  - 14.5" Tall X 8.75" Diameter 13 lbs.
Tomar Electronics introduces the Model 2000XL family of Hazardous Location Div. 2 LED Lights engineered to perform in the harshest environments. Constructed of 30% glass-filled thermoset polyester, it is particularly well suited for installations in corrosive, wet NEMA 4X harsh environments, and hazardous locations. The high strength FRP material is resistant to the corrosive effects of most chemicals, hydrocarbons and solvents.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, agricultural, commercial, industrial, mining and marine facilities.

Totally non-metallic, these warning lights are fully potted in urethane material with no exposure to high voltage possible. NEMA 4X rated in any mounting configuration - base up, down or side positions. Unique mounts allow for Pendant, Flange or Wall mount installations. Buy just the mounting style you need or install directly onto approved panel surface. Optional dome guard is also available.

Available in either flashing or steady burn mode, this model will operate over a wide AC and DC input voltage range. The DC version operates from 10-100 VDC, and 16-36 VAC, and the AC version from 85-265 VAC.

- Class I, div. 2 groups A, B, C & D
- Class 1, Zone 2, groups IIC,IIB, IIA
- Class II Div. 2 groups F & G, Class III
- CSA Enclosure Type 4X, IP66
- NEMA 4X, Marine Rated
- 5 year warranty
- Sealed construction
- 5 Lens Colors: Amber, Blue, Green, Red& White.
- Temperature Range: -40C to +85C Code: T6
- Conduit Hubs: all 3/4 NPT
- 200 mA @ 24 VDC Flashing / 400 mA Steady Burn
- 040 mA @ 120 VAC Flashing / 085 mA Steady Burn
- 020 mA @ 240 VAC Flashing / 045 mA Steady Burn

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2024XLF</td>
<td>Flashing LED Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>2124XLF</td>
<td>Flashing LED Body Only</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>2024XLS</td>
<td>Steady Burn LED Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>2124XLS</td>
<td>Steady Burn LED Body Only</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

Available Mounts & Guard Options
- NVP: Pendant Mount
- NVF: Flange/Ceiling Mount
- NVW: Wall Mount
- NVGM: Compact Dome Guard

SPECIFICATIONS

- UL 1598 Standard for luminaires
- UL 1598A Marine luminaires
- UL 844 Standard for lighting fixtures for hazardous locations
- UL 1638 Standard for visual signalling applications
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed, NEMA 3, 4X, IP66
250 DC LED INDUSTRIAL SIGNAL
Using Heavy Duty medium base LED lights designed for 250 DC overhead cranes, it’s possible to provide long life, trouble free LED lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination. Two Year Warranty

SPECIFICATIONS
- 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .017 to .020 amps
- Voltage range: 250 to 270 DC
- Flash Rate for Flashing model = 80 FPM
- Specify lens color: Amber, Blue, Clear, Green or Red
- 250 VDC Model includes a bridge diode to provide reliable operation regardless of polarity.

LED-F-250-FM-G LED Flashing 250 VDC, Flange Mount, glass lens
LED-F-250-FM-P LED Flashing 250 VDC, Flange Mount, poly lens
LED-SB-250-FM-G LED Steady Burn 250 VDC, Flange Mount, glass lens
LED-SB-250-FM-P LED Steady Burn 250 VDC, Flange Mount, poly lens
LED-F-250-PM-G LED Flashing 250 VDC, Pipe Mount, glass lens
LED-F-250-PM-P LED Flashing 250 VDC, Pipe Mount, poly lens
LED-SB-250-PM-G LED Steady Burn 250 VDC, Pipe Mount, glass lens
LED-SB-250-PM-P LED Steady Burn 250 VDC, Pipe Mount, poly lens
LED-SB-250-PM-G LED Steady Burn 250 VDC, Pipe Mount, glass lens
G200 Cast Guard Glass Lens
G100 Cast Guard Poly Lens

120 AC LED INDUSTRIAL SIGNAL
Using Heavy Duty medium base LED lights designed for 120 AC overhead cranes, it’s possible to provide long life, trouble free LED lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination. Two Year Warranty

SPECIFICATIONS
- 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .020 amps
- Voltage range: 120 AC to 130 AC
- Flash Rate for Flashing model = 80 FPM
- Specify lens color: Amber, Blue, Clear, Green or Red

LED-F-120-FM-G LED Flashing 120 VAC, Flange Mount, glass lens
LED-F-120-FM-P LED Flashing 120 VAC, Flange Mount, poly lens
LED-SB-120-FM-G LED Steady Burn 120 VAC, Flange Mount, glass lens
LED-SB-120-FM-P LED Steady Burn 120 VAC, Flange Mount, poly lens
LED-F-120-PM-G LED Flashing 120 VAC, Pipe Mount, glass lens
LED-F-120-PM-P LED Flashing 120 VAC, Pipe Mount, poly lens
LED-SB-120-PM-G LED Steady Burn 120 VAC, Pipe Mount, glass lens
LED-SB-120-PM-P LED Steady Burn 120 VAC, Pipe Mount, poly lens
LED-SB-120-PM-G LED Steady bUr 120 VAC, Pipe Mount, glass lens

G200 Cast Guard Glass Lens
G100 Cast Guard Poly Lens
POWER ALARM® PROGRAMMABLE MULTI-SOUND INDUSTRIAL SIGNALS

The POWER ALARM® siren is a heavy duty industrial audible alarm designed to operate under adverse industrial conditions such as shock, vibration, or transient voltage surges. The models 1000 and 1100 POWER ALARMS are supplied with a plug-in single channel programmable sound module that generates 8 different rotary switch selectable sounds plus 4 additional sounds that can be selected remotely by customer switch. Remote feature requires RJ45-6 remote control cable. See chart below for details.

- 120 db at 4 ft.
- NEMA 4 circuitry enclosure.
- 100% all metal speaker, weatherproof construction.
- Speaker and plug-in programmable sound module included.
- -55 to + 60 degree C temperature range.
8” tall X 6” wide X 3” D enclosure
10 1/2” L X 19 1/2” tall X 10” W speaker, 15 lbs. Total.

Model Number Voltage/Amps
1000-120 120/240 AC, 0.5/0.25
1100-12/24 12/24 DC, 0.7
1100-250 250 DC, 0.25

PARTS & ACCESSORIES (*/ factory installed options)
MULTISOUND Multi-Sound plug-in module
1001 Speaker
1000-PCB 120 VAC printed circuit board
1100-PCB 250 VDC printed circuit board
1100-PCB-12/24 12/24 VDC printed circuit board
/SSA NEMA 4 stainless steel enclosure
RJ45-6 Remote Control Cable

EXPLOSION PROOF POWER ALARM® PROGRAMMABLE MULTI-SOUND SIGNAL

The single sound channel EXPLOSION PROOF POWER ALARM® is a solid state audible device with a hard wired single channel programmable sound module that generates 8 different rotary switch selectable sounds plus 4 additional sounds that can be selected remotely by customer switch. Remote feature requires RJ45-6 remote control cable. See chart below for details.


Features include:
- 117 db at 4 ft, 109 db at 10 ft.
- 120 X 60 degree sound dispersion.
- Weatherproof construction, fiberglass horn & cast aluminum housing
- -55 to + 85 degree C temperature range
- NEMA 4X Marine rating.
14”W X 6” Tall X 17 1/2”L, 24 lbs.

Model Number Voltage/Amps
1002WEP-120 120 VAC, 0.2
1002WEP-240 240 VAC, 0.1
1002WEP-24 24 VDC, 0.8
1001-WEP EP Speaker w/o circuitry
RJ45-6 Remote Control Cable

Multisound Siren Module Standard Rotary Switch Single Tone Selection Chart RJ45-6 Remote Control Cable Selections

<table>
<thead>
<tr>
<th>Switch Selection</th>
<th>Operation</th>
<th>Remote Control</th>
<th>Operation</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Selects Remote Control Operation</td>
<td>Orange Wire</td>
<td>Horn - Steady</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>8 Tone Parade Sequence</td>
<td>Black Wire</td>
<td>Two-Tone - Alternating</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Wail - Conventional Siren</td>
<td>Red Wire</td>
<td>Yelp - Rapid Siren</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Yelp - Rapid Siren</td>
<td>Gray Wire</td>
<td>Wall - Conventional Siren</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Two-Tone - Alternating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Whoop - Ascending Low-High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Yeow - Descending High-Low</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Horn - Steady</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Beep - Slow Intermittent Horn</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Stutter - Rapid Intermittent Horn</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**STATUS LIGHT**

Up to 100 Watt incandescent status or indicator light. (Non-Flashing)
- Weatherproof Cast Aluminum
- Heat Resistant Glass Lens

7 1/2” Tall x 5 1/2” dia. 3.5 lbs

**HORNS**

Weatherproof resonant grill type horns ideally suited for industrial signalling applications where high sound, low current draw and dependable operation are essential.
- UL Listed.
- 87 db @ 10 ft.
- Color is Gray

31T-115-S 120 AC, 160 mA

**STROBE-BELL COMBINATION**

To enhance the bell tone signal a flashing strobe has been combined with a 6” bell and integrated on a single mounting plate for indoor applications.
- UL Listed.
- Gray is standard, optional red color for housing and bell.
- Horizontal or vertical strobe position.

SBH-120 120 AC Strobe/Bell with 6” vibrating bell and horizontal 15 cd strobe
- 15 cd (candela) is standard, available in 15/75 cd
- 6” is standard bell size, available in 4”, 5”, 8” & 10”
- Vibrating is standard, single stroke bells available

**STROBE HORMS**

The strobe horn has the same specifications as the standard resonant grill horn, except for the addition of a flashing strobe light.
- 75-82 db @ 10 ft. UL Listed.
- White is standard, Red is available

MT4-115-WH-VNS 120 AC

- Current Draw (Strobe): 70 mA @120 AC,
- 15/75 cd (candela) is standard, 30/75, 60/75, 75 & 110 are available
- Strobe and Horn can be operated together or separately.

**FLASHER-BELL COMBINATION**

The Flasher/Bell is designed for heavy-duty interior and exterior applications with a choice of AC or DC Models. The added feature of a flashing incandescent lamp will enhance the audio bell tone signal.

1035 120 VAC 4” Vibr, .10A
1233 12 VDC 4” Vibr, .34A
1234 24 VDC 4” Vibr, .20A
1034 24 VAC 4” Vibr, .40A
2035 120 VAC 6” Vibr, .34A
2233 12 VDC 6” Vibr, .34A
2234 24 VDC 6” Vibr, .20A
2034 24 VAC 6” Vibr, .40A

2045 120 VAC 6” puls, .10A
2243 12 VDC 6” Puls, .34A
2244 24 VDC 6” Puls, .20A
2044 24 VAC 6” Puls, .40A

-WP Weatherproof Housing

**STROBE HORNS**

The strobe horn has the same specifications as the standard resonant grill horn, except for the addition of a flashing strobe light.
- 75-82 db @ 10 ft. UL Listed.
- White is standard, Red is available

MT4-115-WH-VNS 120 AC

- Current Draw (Strobe): 70 mA @120 AC,
- 15/75 cd (candela) is standard, 30/75, 60/75, 75 & 110 are available
- Strobe and Horn can be operated together or separately.

**MULTI-TONE SIGNAL**

The Multi-Tone Electronic Signal is field selectable to provide eight distinct tones, with optional flashing strobe light. UL Listed.
- 69-89 dba @ 10 ft.
- White is standard, Red is available
EXPLOSION-PROOF BELLS

Rugged, reliable cast construction features hinged cover, cast back box for surface mounting with 1/2” threaded conduit entrances on top and bottom of housing and protective hood and guard for outdoor models.

UL listed for Class I, groups B, C & D. Class II, groups F & G.

CVX10-115AC-S Vibrating Indoor 10” Bell, 115 VAC, .22A, 90 db @ 10’
CVXG10-115AC-S Vibrating Outdoor 10” Bell, 115 VAC, .22A, 90 db @ 10’
CSX10-115AC-S Single Stroke Indoor 10” Bell, 115 VAC, .125A, 87 db @ 10’
CSXG10-115AC-S Single Stroke Outdoor 10” Bell, 115 VAC, .125A, 87db @ 10’

AC & DC UL LISTED BELLS

Heavy Duty, vibration resistant bells feature easy to install unique back plate that attaches to the conduit box without removing the gong.

1005 4” 120 VAC Indoor Vibrating - pig tail - .09 amps
2005 6” 120 VAC Indoor Vibrating - pig tail - .09 amps
1003 4” 12 VAC Indoor Vibrating - pig tail - .8 amps
1004 4” 24 VAC Indoor Vibrating - pig tail - .35 amps
1105 4” 120 VAC Indoor Single Stroke - pig tail - .36 amps
1203 4” 12 VDC Indoor Vibrating - pig tail - .45 amps
2204 6” 24 VDC Indoor Vibrating - pig tail - .20 amps
2025 6” 120 VAC Outdoor Vibrating - .09 amps
2223 6” 12 VDC Outdoor Vibrating - .45 amps
2224 6” 24 VDC Outdoor Vibrating - .20 amps
3025 8” 120 VAC Outdoor Vibrating - .09 amps
3223 8” 12 VDC Outdoor Vibrating - .45 amps
3224 8” 24 VDC Outdoor Vibrating - .20 amps
3226 8” 240 VDC Outdoor Vibrating - .03 amps
MODERATE dba
FOR LIFT TRUCKS

The "moderate dba" family features "heavy duty" construction and multivoltage inputs. Model "AA" has self-adjustable sound level = 5db above surrounding noise. SAE J994

- 60 BPM
- Positive or negative ground
- Weatherproof
- Universal mounting
- Fiberglas reinforced nylon housing
- Temperature range -40F to +185F

1020-1248 12-48 VDC 102 db
9700 12-48 VDC 97 db SAE C
AA97 12-48 VDC 77-97 db Self-adjustable sound

- Size: 2.6"H X 4"W X 1.6" D
3" to 3.25" centers .5 lbs.

107 dba MODELS

Heavy duty construction 107 dba backup alarms for mobile equipment features multivoltage, weatherproof housing and "AA" self-adjusting sound level = 5db above surrounding noise.

- 60 BPM
- Positive or Negative Ground
- Universal Mounting
- Temperature range -40F to +185F

1070-1248 12-48 VDC 107 db
AA107-1248 12-48 VDC 82-107 db self-adjusting

- Size: 3.2" H X 5.2" W X 2.88" D
4" X 4.375" centers 1 lb

112 dba MODELS

- Model "AA" Self-Adjustable sound level = 5 db above surrounding noise
- Universal mounting bracket
- Weatherproof
- Fiberglas reinforced nylon housing

1120-1248 12-48 VDC 112 db
AA112-1248 12-48 VDC 87-112 db self-adj sound

- Size: 3" H X 5" W X 3.75" D
2" X 4" centers 1.4 lbs
**MOTOR DRIVEN SIREN**

These motor driven sirens are an ideal choice for all heavy duty applications. Designed to operate under the day-to-day conditions of steel mills, motor driven sirens produce a very loud high pitched signal easily heard over surrounding noise. The fully enclosed AC/DC motor is securely mounted inside a weatherproof steel housing that includes a screen for added protection.

**FEATURES**

- 120 and 250 AC/DC input voltage models
- UL listed for 120 AC/DC
- Weatherproof
- 117 db @ 10 ft. (measured in free air)
- Extra heavy duty bracket suitable for mounting on overhead cranes
- Bright red epoxy powder coated finish
- Size: 15 11/32" L X 7 1/2" Dia. 11 lbs.

**COMPLETE UNITS**

- F-2-117-120 120 AC/DC, 2.5 amps, 117 db, motor driven siren
- F-2-117-250 250 AC/DC, 1.25 amps, 117 db, motor driven siren

**PARTS**

- F-120 120 AC/DC Motor
- F-250 250 AC/DC Motor
- F-2-8 Mounting Bracket

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**COMPACT ELECTRONIC MULTitone SIREN**

Powerful, heavy duty electronic siren in a compact package, the E-4 offers 113 DB at ten feet and thirty two distinct sounds, including ISO certified and country specific warning sounds. All sounds can be obtained from a two wire supply. When versatility is a must, the E-4 is at home in a wide range of industrial, office, hotel and many other emergency signalling environments.

**FEATURES:**

- 113 DB @ 10 ft. Adjustable from 83-113 DB.
- 32 different sounds. (see below)
- Can be mounted with supplied base or with optional 4 X 4 electrical box.
- .015 amps @ 110 VAC, .008 amps @ 220 VAC.
- .06 amps @ 12 VDC, .03 amps @ 24 VDC
- Weatherproof if ceiling or wall mounted

**SOUNDS:**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Banshee LF Buzz</td>
<td>2</td>
<td>Banshee Fast Sweep</td>
</tr>
<tr>
<td>3</td>
<td>Banshee Slow Sweep</td>
<td>4</td>
<td>Banshee Continuous</td>
</tr>
<tr>
<td>5</td>
<td>Banshee Fast Sweep (new)</td>
<td>6</td>
<td>Medium Sweep</td>
</tr>
<tr>
<td>7</td>
<td>Continuous</td>
<td>8</td>
<td>Back Up Alarm</td>
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<tr>
<td>9</td>
<td>Alternate</td>
<td>10</td>
<td>Medium Sweep</td>
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<tr>
<td>11</td>
<td>Alternate</td>
<td>12</td>
<td>Bedlam Buzz</td>
</tr>
<tr>
<td>13</td>
<td>Bedlam Fast Sweep</td>
<td>14</td>
<td>Bedlam Slow Sweep</td>
</tr>
<tr>
<td>15</td>
<td>Bedlam Continuous</td>
<td>16</td>
<td>Banshee HF fast Sweep</td>
</tr>
<tr>
<td>17</td>
<td>Back Up Alarm HF</td>
<td>18</td>
<td>Alternate HF</td>
</tr>
<tr>
<td>19</td>
<td>Slow Whoop</td>
<td>20</td>
<td>Din Tone</td>
</tr>
<tr>
<td>21</td>
<td>French Fire Sound</td>
<td>22</td>
<td>Australian Alert Sound</td>
</tr>
<tr>
<td>23</td>
<td>Australian Evacuation Signal</td>
<td>24</td>
<td>US Temporal Tone</td>
</tr>
<tr>
<td>25</td>
<td>US Temporal Tone</td>
<td>26</td>
<td>Swedish Tone (fire)</td>
</tr>
<tr>
<td>27</td>
<td>Swedish Tone (all clear)</td>
<td>28</td>
<td>ISO 8201 LF</td>
</tr>
<tr>
<td>29</td>
<td>ISO 8201 HF</td>
<td>30</td>
<td>BT Banshee FP 1063.1</td>
</tr>
<tr>
<td>31</td>
<td>BT Banshee FP 1063.1</td>
<td>32</td>
<td>Bell Tone</td>
</tr>
</tbody>
</table>

**E-4-AC** 110 or 220 AC Multitone Electronic Signal

**E-4-DC** 9 to 30 DC Multitone Electronic Signal
MISCELLANEOUS SIGNALS & STOP AND GO LIGHTS

REMOVING VEHICLE LIGHT
Twin sealed beam 35,000 CP
- 90 FPM
- Weather & Corrosion resistant
9 1/2" tall X 8 1/2" dia. (specify color)

Note: Specify mounting for 120 VAC model: Pipe or Portable mount.

RL120 120 VAC
RL12 12 VDC
RL24 24 VDC

REVOLVING FORK TRUCK LIGHT
Economical revolving light
- 90 FPM
- 6, 12, 24, 36, 48 & 72 VDC
- 120 VAC

7 5/8" tall X 5 5/8" dia. (Specify color)

MV2-IND 6 to 72 VDC (Specify volts)
MV-110 120 VAC

LED STOP & GO LIGHT
- Reduce energy costs by 90% compared to incandescent lights.
- No filament = long life & no maintenance.
- Three year limited warranty on LED
- Yellow or black polypropylene housing
- 12 or 24 DC, or 115 AC voltage
- Lens diameter: 4 1/2 inches
- Size: 11 3/8" H X 6 3/4" W X 3 3/4" D
- Weight: 2 lbs.
- UL & cUL Listed.
- LED models can operate continuously due to low level of heat from LEDs.

LED 115 VAC 0.10 amps, no flasher or switch.
LED 12 VDC 0.13 amps, no flasher or switch.
LED 24 VDC 0.13 amps, no flasher or switch.

SOLID STATE FLASHERS
Low Profile, economic, electronic incandescent flasher features solid state circuitry and low amp draw.
- 2amps @ 12 VDC.
- Available in 12, 24, 36 and 48 DC, 120 AC
- Permanent mount standard, available in magnetic mount with cigarette lighter plug-in.

6 1/2" High X 5 3/8" Dia. Wt. 2 lbs

FFLP Solid State Flasher - specify DC Volts
FFLP-110 Solid State Flasher - 120 AC

BARRICADE FLASHER
Bi-directional flasher with magnetic base option & lexan lens. (specify color)
- 7" Diameter lens

BL-2W 6 V w/o battery
BL-2WS same with solar switch
BL-2WMB 6 V magnetic base w/o battery
BL-2WSMB Same with magnetic base option & solar switch
460 6 VDC spring type battery (2 needed)
MULTI-TONE HORN & LED OR STROBE COMBO

120 VAC MULTI-TONE HORN AND LED COMBO
Select a model specifically for your application, with a single LED light as shown above in either a Steady-Burn or Flashing model in combination with a Multi-Tone Horn offering the following tones: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi/Lo - all dip switch field selectable.

The Multi-Tone Horn/LED is designed with 1/2” conduit entry at the bottom of the junction box. A small diameter LED is attached to the junction box to provide wall mounting as an option.

SPECIFICATIONS:
- Indoor or outdoor applications - suitable for wall mounting
- Horn Sound Output: 79 to 88 dBA @ 10 Feet depending on tone selection.
- Horn Current Draw: .039 to .050 amps depending on tone selection.
- Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
- Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
- Mounting Centers: 5” (3/16” Bolt Holes).
- Long life LEDs lasting over 100,000 hours.
- 24 LEDs per red, amber, & green sections & 12 LEDs per blue and white.
- Current Draw: 20 mA @ 120 AC.
- LED Size: 57 mm Dia. X 150 mm High for one LED Section.

120-MT4-SB-LED 120 VAC Multi-Tone Horn and Steady-Burn Single LED Combo
120-MT4-F-LED 120 VAC Multi-Tone Horn and Flashing/ Steady-Burn Single LED Combo
MT4-115-S Multi-Tone Horn
WBB-S Back Box with 1/2” Hub on Top (use with Horn)
STL-110-1 Single Module LED Steady Burn
STLF-110-1 Single Module LED Flashing

120 VAC MULTI-TONE HORN AND STROBE COMBO
Compact Horn Strobe combo for applications requiring more flash intensity. This economical setup in combination with a Multi-Tone Horn has the following tones: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi/Lo - all dip switch field selectable.

The Multi-Tone Horn/Strobe is designed with a 1/2” conduit entry at the bottom of the junction box. The strobe light used for this combination is the Tomar Brand Microstrobe.

SPECIFICATIONS:
- Indoor or outdoor applications - suitable for wall mounting
- Horn Sound Output: 79 to 88 dBA @ 10 Feet depending on tone selection.
- Horn Current Draw: .039 to .050 amps depending on tone selection.
- Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
- Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
- Mounting Centers: 5” (3/16” Bolt Holes)
- Microstrobe flash intensity: 1.75 joules per flash, 60-80 FPM
- Current Draw: .04 amps @ 120 VAC
- Microstrobe Size: 5” Tall X 3” Dia
- Specify Lens Color: Amber, Blue, Clear, Green, Red or Purple

120-MT4-STROBE 120 VAC Multi-Tone Horn and Microstrobe Combo
490S-120 120 VAC 1/2” Pipe Mount Microstrobe
5001 Replacement Strobe Lamp
470S-L Replacement Lexan Lens
MT4-115-S Multi-Tone Horn
WBB-S Back Box with 1/2” hub on top (Use with Horn only)

Contact Sales - For other voltages - 12 VDC and 24 VDC
For Two or Three Stack LED Modules in either Steady-Burn or Flashing
120 VAC SINGLE-TONE HORN AND LED COMBO

Select a model specifically for your application, with a single LED light as shown above in either a Steady-Burn or Flashing model in combination with a Single-Tone Horn.

The Single-Tone Horn/LED is designed with 1/2” conduit entry at the bottom of the junction box. A small diameter LED is attached to the junction box to provide wall mounting as an option.

SPECIFICATIONS:
• Indoor Applications - suitable for wall mounting
• Horn Sound Output: 95 dBA @ 10 Feet.
• Horn Current Draw: .160 amps.
• Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
• Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
• Mounting Centers: 5” (3/16” Bolt Holes).
• Long life LEDs lasting over 100,000 hours.
• 24 LEDs per red, amber, & green sections & 12 LEDs per blue and white.
• Current Draw: 20 mA @ 120 AC.
• LED Size: 57 mm Dia. X 150 mm High for one LED Section.

120-31T-SB-LED 120 VAC Single-Tone Horn and Steady-Burn Single LED Combo
120-31T-F-LED 120 VAC Single-Tone Horn and Flashing/Steady-Burn Single LED Combo
31T-115-S Single Tone horn
WBB-S Back Box with 1/2” Hub on Top (use for Horn)
STL-110-1 Single Module LED Steady Burn
STLF-110-1 Single Module LED Flashing

120 VAC SINGLE-TONE HORN AND STROBE COMBO

A compact Horn Strobe combo for applications requiring more flash intensity and an outdoor weatherproof design.

The Single-Tone Horn/Strobe is designed with a 1/2” conduit entry at the bottom of the junction box. The strobe light used for this combination is the Tomar Brand Microstrobe.

SPECIFICATIONS:
• 100% weatherproof - suitable for wall mounting
• Horn Sound Output: 95 dBA @ 10 Feet
• Horn Current Draw: .160 amps.
• Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
• Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
• Mounting Centers: 5” (3/16” Bolt Holes)
• Microstrobe flash intensity: 1.75 joules per flash, 60-80 FPM
• Current Draw: .04 amps @ 120 VAC
• Microstrobe Size: 5” Tall X 3” Dia
• Specify Lens Color: Amber, Blue, Clear, Green, Red or Purple

120-31T-STROBE 120 VAC Single-Tone Horn and Microstrobe Combo
490S-120 120 VAC 1/2” Pipe Mount Microstrobe
5001 Replacement Strobe Lamp
470S-L Replacement Lexan Lens
31T-115-S Single Tone horn
WBB-S Back Box with 1/2” Hub on Top (Use with Horn Only)

Contact Sales - • For Two or Three Stack LED Modules in either Steady-Burn or Flashing.
• For Weatherproof LED applications
• For other voltages - 12 VDC and 24 VDC
POWER STROBE® CRANE STATUS LIGHTS

The heavy duty POWER STROBE® makes possible an overhead crane status light suitable for the day-to-day applications of steel mills. The principle of operation is simple and cost effective. The two or three light system needs only one power supply to operate the single strobe head selected. The four light system has two power supplies to operate the blue (magnet) light at the same time as one of the other strobe heads.

If you use short life fragile incandescent status lights - switch to long life vibration resistant POWER STROBE® status lights. The built-in features of the POWER STROBE® anticipates the applications of overhead cranes.

FEATURES

- 1,000,000 Peak Candle Power Flash @ 90 FPM
- Heat resistant glass lenses mounted on a NEMA 3R box
- 10,000 hour lamp life
- Reverse polarity protection - Transient line voltage protection

120 VAC MODELS

3200-2-X/X  120 VAC two light POWER STROBE® status light
3200-3-X/X/X  120 VAC three light POWER STROBE® status light
3200-4-X/X/X/X  120 VAC four light POWER STROBE® status light

250 VDC MODELS

3000-2-X/X  250 VDC two light POWER STROBE® status light
3000-3-X/X/X  250 VDC three light POWER STROBE® status light
3000-4-X/X/X/X  250 VDC four light POWER STROBE® status light

140030  Glass Lens Guard

GENERAL PURPOSE STROBE STATUS SIGNAL

The versatile MICRO STROBE makes possible a general purpose strobe status signal that can be switched individually or simultaneously in any combination from two to five lights. Each MICRO STROBE has its own power supply.

FEATURES

- 120 VAC @ 0.04 A, 12 thru 80 VDC @ 0.4 A, 12 VDC
- 250,000 Peak Candlepower @ 60 to 80 FPM
- Impact resistant Lexan lenses in amber, blue, clear, red or green
- Leakage current by-pass option (/TRIAC) for 120 VAC units
- Potted power supply option suggested for 120 VAC models for wet locations.
- All models of Microstrobos are potted.

120 VAC MODELS  12 - 80 VDC MODELS

495S-120-2-X/X  495S-1280-2-X/X
495S-120-3-X/X/X  495S-1280-3-X/X/X
495S-120-4-X/X/X/X  495S-1280-4-X/X/X/X
495S-120-5-X/X/X/X/X  495S-1280-5-X/X/X/X/X

/TRIAC Leakage Current By-Pass

Note: Specify lens colors in place of "X" in the sequence to be mounted on the NEMA 3R box from left to right. (for both the General Purpose Status Signal and the Power Strobe Crane Status light).
The Model 440 MICROSTACK features multi-color and multi-format optical signalling using strobes and/or steady burning or flashing NEOBE lamps in any combination. NEOBE lamps are gas discharge lamps which have no filament to wear or break. All MICROSTACK modules operate over a worldwide AC input voltage range of 85-264 VAC 50/60 Hz. They all use the same type of lamp and maintain a constant brightness and flash rate over the entire range. MICROSTACK modules separate at any level by removing two screws. All MICROSTACK modules are sealed with O-rings against dust and can be used outdoors.

ORDERING INFORMATION

The Microstack can be ordered as a preassembled unit or as components or modules.

PREASSEMBLED microstacks

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Model No.</th>
<th>Specify Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>440-1</td>
<td>One Module MICROSTACK</td>
</tr>
<tr>
<td>B</td>
<td>440-2</td>
<td>Two Module MICROSTACK</td>
</tr>
<tr>
<td>C</td>
<td>440-3</td>
<td>Three Module MICROSTACK</td>
</tr>
<tr>
<td>D</td>
<td>440-4</td>
<td>Four Module MICROSTACK</td>
</tr>
<tr>
<td>E</td>
<td>440-5</td>
<td>Five Module MICROSTACK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module Type</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steady Burn</td>
<td>Amber</td>
</tr>
<tr>
<td>Strobe</td>
<td>Blue</td>
</tr>
<tr>
<td>Flashing</td>
<td>Clear</td>
</tr>
<tr>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td></td>
</tr>
</tbody>
</table>

MICROSTACK COMPONENTS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440-BASE</td>
<td>Base and cover less stand</td>
</tr>
<tr>
<td>440-STAND</td>
<td>Stand for base including gasket</td>
</tr>
<tr>
<td>440S-X</td>
<td>Strobe module including lamp (specify color)</td>
</tr>
<tr>
<td>440SB-X</td>
<td>Steady burn NEOBE including lamp (specify color)</td>
</tr>
<tr>
<td>440FN-X</td>
<td>Flashing NEOBE including lamp (specify color)</td>
</tr>
<tr>
<td>5002</td>
<td>Spare lamp for NEOBE or strobe module</td>
</tr>
<tr>
<td>440-T16</td>
<td>16&quot; Extension Tube</td>
</tr>
<tr>
<td>440-T32</td>
<td>32&quot; Extension Tube</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Lamp Type 5002

Voltage and Amperage
85-264 VAC 50/60 Hz. 7 Watts per module

Flash Rate
60 to 80 FPM

Size
Dia. 3.32"/84 mm

Height
440-1 7.7" (196 mm)
440-2 10.0" (254 mm)
440-3 12.3" (312 mm)
440-4 14.6" (371 mm)
440-5 16.9" (429 mm)
Using the versatile MicroLert LED warning lights, it’s possible to assemble a Status Light Assembly suitable for a wide variety of status monitoring applications.

A typical application is the living quarters of an Oil Platform with a MicroLert LED Status Light installed to monitor gas detection equipment. One assembly does it all from a flashing red light to a steady burn green light with other colors in between either flashing or steady burning depending on the conditions monitored.

The MicroLert LED Status Light is actually an "A-La-Carte" monitoring assembly with which the user specifies the model number and location of each MicroLert mounted on the NEMA 3R box from two to five lights. For example if a three light assembly is needed, first select the NEMA 3R box, then the LED MicroLert Lights from left to right and Maxi-Signal will assemble them as specified.

Example Below: 3 Light LED MicroLert Status Light

<table>
<thead>
<tr>
<th>3-Box</th>
<th>3 Light NEMA 3R pre-punched box</th>
</tr>
</thead>
<tbody>
<tr>
<td>295LF-120-R</td>
<td>120 AC 1/2&quot; Male Thread flashing</td>
</tr>
<tr>
<td>295LF-120-G</td>
<td>120 AC 1/2&quot; Male Thread flashing</td>
</tr>
<tr>
<td>295LS-120-A</td>
<td>120 AC 1/2&quot; Male Thread Steady-on</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

- 2-Box: 2 Light NEMA 3R Box
- 3-Box: 3 Light NEMA 3R Box
- 4-Box: 4 Light NEMA 3R Box
- 5-Box: 5 Light NEMA 3R Box

Specify MicroLert Model Numbers, Lens colors and location on the NEMA 3 box from left to right.

**SPECIFICATIONS**

- Tough Lexan Lens spun welded to the base to completely seal out moisture. NEMA 4X
- UL Listed with wide voltage range: 85-265 AC, 10-100 DC, DC models also include 16-36 AC.
- 5 LED colors: Red, Amber, Blue, Green or White.
- Steady burn or flashing.
- 24 DC = 198 mA, 120 AC = 40 mA
- MicroLert Size: 3" diameter X 2 1/2" High.
- Nema 3R Box sizes:
  - 2-Box = 4" X 4" X 12"
  - 3-Box = 4" X 4" X 12"
  - 4-Box = 4" X 4" X 24"
  - 5-Box = 4" X 4" X 24"
250 DC OVERHEAD CRANE STATUS LIGHT

Using Heavy Duty Steady Burn LED male thread LED lights designed for 250 DC overhead cranes, it’s possible to provide long life trouble free status lights for this rough application. Choose from a two light system up to four lights in any combination of Red, Green, Amber or Blue Steady Burn LEDs mounted on a NEMA 3R enclosure, completely raintight.

The 250 DC Steady Burn 1/2” Male Thread LED is available as a separate unit, just order part number 250-SB-MT in one of the colors shown above. Enclosure rated at NEMA 3R, completely raintight.

SPECIFICATIONS
- 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .017 to .021 amps.
- Voltage Range: 250 to 270 DC.
- Size: 4 light NEMA 3R box = 4” X 4” X 24”
  - 3 light NEMA 3R box = 4” X 4” X 12”
  - 2 light NEMA 3R box = 4” X 4” X 12”
  - 250-SB-MT LED = 2 3/4” dia. X 6 3/8” high
- Ambient temperature -25C to +85C

250-4/R/A/G/B 4 Light 250 DC LED Status Light - R, A, G, B
250-3/R/A/G 3 Light 250 DC LED Status Light - R, A, G
250-2/R/G 2 Light 250 DC LED Status Light - R, G
250-SB-MT 250 DC Steady Burn LED Light - 1/2” Male Thread. Specify lens color - Red, Green, Amber or Blue.

250 DC STEADY BURN MEDIUM BASE LED

Replace fragile incandescent medium base bulbs with a long life vibration resistant LED Steady Burn light suitable for 250 DC overhead crane applications. Available in Red, Green, Amber or Blue lens colors.

SPECIFICATIONS
- 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .017 to .021 amps.
- Voltage range: 250 to 270 DC.
- Size: 2 3/4” dia. X 6 3/8” high
- Ambient temperature -25C to +85C

250-SB-MSB 250 DC Steady Burn Medium Base LED Light. Specify Lens Color - Red, Green, Amber or Blue.

LINTERN RETRO FIT ASSEMBLY

Retro fit the model 250-SB-MSB Steady Burn LED to a Lintern Incandescent Fixture as easy as 1, 2, 3:

1. Remove Lintern Lens, but keep hardware. (screws & springs)
2. Attach the Lexan Plastic Dust Barrier to the top of the aluminum O ring with existing screws & springs.
3. Screw-in the medium base LED and thats it!

The result is a new Steady Burn LED light complete with a Dust Barrier.

250-SB-MSB-DB 250 DC Steady Burn Medium Base LED Light including Dust Barrier. Specify Lens Color.
**120 AC STEADY BURN LED STATUS LIGHTS**

**120 AC OVERHEAD CRANE STATUS LIGHT**

Using Heavy Duty Steady Burn LED male thread LED lights designed for 120 AC overhead cranes, it’s possible to provide long life trouble free status lights for this rough application. Choose from a two light system up to four lights in any combination of Red, Green, Amber or Blue Steady Burn LEDs mounted on a NEMA 3R enclosure, completely raintight.

The 120 AC Steady Burn 1/2” Male Thread LED is available as a separate unit, just order part number 120-SB-MT in one of the colors show above. Enclosure rated at NEMA 4X, completely weatherproof.

**SPECIFICATIONS**

- 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .020 amps
- Voltage Range: 120 AC to 130 AC.
- Size: 4 light NEMA 3R box = 4” X 4” X 24”
  3 light NEMA 3R box = 4” X 4” X 12”
  2 light NEMA 3R box = 4” X 4” X 12”
  120-SB-MT LED = 2 3/4” dia. X 6 3/8” high
- Ambient temperature -25C to +85C

**120 AC STEADY BURN MEDIUM BASE LED**

Replace fragile incandescent medium base bulbs with a long life vibration resistant LED Steady Burn light suitable for 120 AC overhead crane applications. Available in Red, Green, Amber or Blue lens colors.

**SPECIFICATIONS**

- 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .020 amps
- Voltage range: 120 AC to 130 AC.
- Size: 2 3/4” dia. X 6 3/4” high.
- Ambient temperature -25C to +85C

**LINTERN RETRO FIT ASSEMBLY**

Retro fit the model 120-SB-MSB Steady Burn LED to a Lintern Incandescent Fixture as easy as 1, 2, 3:

1. Remove Lintern Lens, but keep hardware. (screws & springs)
2. Attach the Lexan Plastic Dust Barrier to the top of the aluminum O ring with existing screws & springs.
3. Screw-in the medium base LED and thats it!

The result is a new Steady Burn LED light complete with a Dust Barrier.

**120-SB-MSB-DB**
120 AC Steady Burn Medium Base LED Light including Dust Barrier. Specify Lens Color.
250 DC OVERHEAD CRANE STATUS LIGHT
Using Heavy Duty medium base LED lights designed for 250 DC overhead cranes, it's possible to provide long life, trouble free status lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination.

Just replace your fragile incandescent lamps with this LED and you now have long life vibration resistant LED lamps.

SPECIFICATIONS

• 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
• Current draw: .017 to .020 amps
• Voltage range: 250 to 270 DC
• Overall Size: 2 13/16" Dia. X 4 5/16" H including screw base
• Fits into Lantern Model 900-X-1 Glowlite Fixture
• Ambient Temperature: -25 to +85 degrees C
• Flash Rate for Flashing model = 80 FPM

• 250 VDC Model includes a bridge diode to provide reliable operation regardless of polarity.

120 AC OVERHEAD CRANE STATUS LIGHT
Using Heavy Duty medium base LED lights designed for 120 AC overhead cranes, it's possible to provide long life, trouble free status lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination.

Just replace your fragile incandescent lamps with this LED and you now have long life vibration resistant LED lamps.

SPECIFICATIONS

• 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
• Current draw: .020 amps
• Voltage range: 120 AC to 130 AC
• Overall Size: 2 13/16" Dia. X 4 5/16" H including screw base
• Fits into Lantern Model 900-X-1 Glowlite Fixture
• Ambient Temperature: -25 to +85 degrees C
• Flash Rate for Flashing model = 80 FPM

250-LED-MSB-W  250 DC medium screw base white steady burn LED less Lens
250-LED-MSBF-W  250 DC Medium screw base white flashing LED less lens
120-LED-MSB-W   120 AC medium screw base white steady burn LED less Lens
120-LED-MSBF-W   120 AC medium screw base white flashing LED less lens
The Circle D sealed beam flood lamp fixture is the number one choice of the maintenance departments of heavy industry. You will find this fixture used on equipment such as cranes, power shovels, pile drivers etc. CIRCLE D lights are compact and rugged, built for continuous trouble free service. Features include:
- Thick wall cast aluminum housing
- Spring loaded adjusting socket
- Vertical and horizontal adjustment

**MODEL 601-150/200/300w INCANDESCENT FIXTURE**
Single light unit for 150PAR38, 200 or 300 watt R40 medium base lamp. (lamp not included)
601  R40 Medium base fixture
SY-406H Guard

**MODEL 101-200/300/500w INCANDESCENT FIXTURE**
Single light unit for 200, 300, 500 watt R40 Mogul base lamp. (lamp not included)
101  R40 Mogul base fixture
SY-400 Guard

**MODEL 101M-750.1000/1500W INCANDESCENT OR 250/400W MERCURY VAPOR FIXTURE**
Single light unit for 750 and 1000 watt R60 incandescent lamp, 1500W R80 incandescent lamp, and 250 or 400 W R60 Mercury Vapor Lamps. (lamps not included)
101M  R60/R80 Mogul base fixture
SY-415 Guard

**MODEL 1802-DOUBLE 70W HPS FIXTURE**
Two light unit for 70W PAR38HPS sealed beam flood lamps, complete with 120 VAC NPF ballast and lamp. Also available as a single light fixture, model 1801.
1801  Single 70PAR38 HPS 120 V NPF
1802  Double 70PAR38 HPS 120 V NPF
AT-15  Photo cell (not shown)
SY-406-H Guard

**MODEL PF-52S HPS FIXTURE**
Excellent area light features Lexan lens, complete with NPF ballast and lamp.
PF-52-35  35W, 120 V HPS, NPF
PF-52-50  50W, 120 V HPS, NPF
AT-15  Photo Cell (not shown)

**MODEL 150-200/300/500W PORTABLE**
Single light unit for R40 incandescent lamp, mogul base and lamp. (Less cord.)
150G  R40 Mogul base portable with guard and lamp

**MODEL 164-500PAR56 QUARTZ PORTABLE**
Single light unit for 500PAR56, 120 V quartz sealed beam lamp, up to 93,000 CP 5 degree narrow beam lamp.
164G  500PAR56 120 V quartz portable with guard and lamp

**MODEL 3011 MARINE LIGHT**
U. S. Coast Guard approved light for use with PAR56 lamps. (lamp not included)
3011  Marine light
P3011 Guard

**SHOCK MOUNTS**
P-18  Shock Mount (needs 202C Box)
202C  Junction box with flange base
      1/2" inlet two sided solid cover.
CRANE LIGHTS - METAL HALIDE LAMPS

400 W MH Pulse Start Indoor Fixture
Cast aluminum spring loaded socket and reflector support provides a reliable indoor crane light for 400 W Pulse Start Metal Halide Lamps. Suitable for use in open fixtures.

Features:
• 25% increase in light output over standard MH Lamps.
• 50% faster warm-up and restrike time.
• 50% increase in life when compared to switch start MH Lamps.
• Protected Pulse Start Lamp contains arc tube rupture that can occur at the end of lamp life. In compliance with the NEC code and EISA.
• The EISA Ballast Requirement covers Wattages of 500 Watts or less.
• Size: 14" Dia. X 16 3/4" High
• Contains EX39 exclusionary "pink" mogul socket

400-CLPS Indoor 400 W. fixture for ED37, E37 or BT37 Pulse Start MH Lamps

400 W MH Pulse Start Outdoor Fixture
Cast aluminum spring loaded socket to securely hold the 400 W Pulse Start MH Lamp against a cushion gasket. This double lamp support provides the best method to resist shock and vibration along with a weatherproof seal.

Features:
• Size: 14" Dia. X 19 1/2" High
• In compliance with NEC and EISA
• Contains EX39 exclusionary "Pink" Mogul Socket

400-WPPS Outdoor 400 W fixture for ED37, E37 or BT37 Pulse Start MH Lamp.

1000 W MH Type "O" Protected Lamp
Cast aluminum fixture featuring a spring loaded socket to securely hold the Type O Protected BT56 MH lamp. The Type-O Rated MH Lamps include an internal quartz shroud covering the Arc Tube to contain Arc Tube rupture that can occur at the end of lamp life.

Features:
• NEC Code compliant
• Contains EX39 exclusionary "pink" mogul socket.
• Size: 1000-CLPS: 14" Dia. X 19 3/4" High
• Size: 1000-RPS: 14" Dia. X 17" High

1000-CLPS Indoor 1000 W Fixture for Type O Protected BT56 Lamp
1000-RPS Outdoor 1000 W Fixture for Type O Protected BT56 Lamp

QUICK-PICK ORDERING CHART - Pulse Start & Type O Lamps

| Indoor - Pulse Start Lamp & Pulse Start Ballast | ANSI M155/M135/M128/O |
| Watts | Voltage | Fixture | Lamp No. | Ballast No. |
| 400 | 120/208/240/277/480 | 400-CLPS | MP400/BU/PS | 400-MH-PS-WP-BE |

| Outdoor - Pulse Start Lamp & Pulse Start Ballast | ANSI M155/M135/M128/O |
| Watts | Voltage | Fixture | Lamp No. | Ballast No. |
| 400 | Specify AC Voltage | 400-WPPS | MP400/BU/PS | 400-MH-PS-WP-BE |

| Indoor - Type O Rated MH Lamps & Probe Start Ballast | ANSI M47/O |
| Watts | Voltage | Fixture | Lamp No. | Ballast No. |
| 1000 | 120/208/240/277 | 1000-CLPS | MP1000/BU | 78E6592 |
| 1000 | 480 | 1000-CLPS | MP1000/BU | 78E6542 |

| Outdoor - Type O Rated MH Lamps & Probe Start Ballast | ANSI M47/O |
| Watts | Voltage | Fixture | Lamp No. | Ballast No. |
| 1000 | 120/208/240/277 | 1000-RPS | MP1000/BU | 79W6592 |
| 1000 | 480 | 1000-RPS | MP1000/BU | 79W6542 |

NOTE: Contact Sales for 1000 Watt Pulse Start Metal Halide
**CRANE LIGHTS - 250 DC MV & AC HPS**

**400-CL MV & HPS**
Cast aluminum spring loaded socket and reflector support provides a reliable indoor cranelight for 250 VDC Mercury Vapor and AC HPS lamps. The highly polished reflector gives a medium beam spread. For additional protection against shock and vibration, include one of the shock mounts listed below.

The 250 VDC Mercury Vapor fixture and lamp combination utilizes a current limiting resistor for operation of a 400 Watt mercury vapor lamp on 250 VDC input voltage. This resistor acts as a special ballast for 250 VDC and is intended for overhead crane application only, not for general illumination.

**400-CL** Indoor 400 W MV & HPS lamps, ED18, BT37, E37 & ED37.

Size 400-CL = 14" Dia. X 16 3/4" High

Notice: The H34GW-1000/DX lamp has been discontinued. Please call our sales department for assistance with replacement fixtures & resistor ballasts for 1000 W 250 VDC applications.

**400-WP, & 400-R MV & 750 W SB-MV**
Cast aluminum weatherproof fixture featuring a spring loaded socket to securely hold Mercury Vapor and Self Ballasted Mercury Vapor lamps against a cushion gasket. This double lamp support provides the best method to resist shock and vibration. For additional protection against shock and vibration, include one of the shock mounts listed below.

400-WP Outdoor 400 Watt MV lamps, BT37, E37, ED37
14" dia. X 19 1/2" High

400-R Outdoor 400 Watt R60 MV Lamp no. H33LN-400 & 750 Watt R60 Self Ballasted 250 VDC lamps no. M750R5/7FL
14" Dia. X 16" High

**Quick-Pick Ordering Chart**

<table>
<thead>
<tr>
<th>Watts</th>
<th>Voltage</th>
<th>Fixture</th>
<th>Lamp No.</th>
<th>Resistor Ballast No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-R</td>
<td>H33LN-400</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-CL</td>
<td>H33GL-400/DX</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-WP</td>
<td>H33GL-400/DX</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>750</td>
<td>250 DC</td>
<td>400-R</td>
<td>M750R5/7FL</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**Shock Mounts & Junction Boxes**

<table>
<thead>
<tr>
<th>P-19 Shock Mount</th>
<th>211 Junction Box</th>
<th>SM-3/4 HD Shock Mt</th>
</tr>
</thead>
</table>

**AC Cranes - High Pressure Sodium (indoor only)**

400 Specify 400-CL LU400 Select from list below

**High Pressure Sodium Ballasts (indoor only)**

<table>
<thead>
<tr>
<th>Watts</th>
<th>Voltage</th>
<th>Lamp No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>120/208/240/277</td>
<td>78E8493</td>
</tr>
<tr>
<td>400</td>
<td>480</td>
<td>78E8443</td>
</tr>
</tbody>
</table>
Solve 250 VDC cranelight lighting by installing MERCURY VAPOR resistor ballasts. Convert fragile, short life incandescent lighting into heavy duty long life mercury vapor.

The resistors employed in these ballasts are wire wound on ceramic cores. The enclosures are heavy gauge steel with the outdoor 400 Watt version in a NEMA 3 louvered box.

### Model Number | Lamp Type | Overall Dimensions |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TBA14MVB Supercedes 2500A &amp; 2600</td>
<td>1- 400 W. H33-1 Indoor/Outdoor</td>
<td>13.5&quot; H X 7&quot; W X 5&quot; D</td>
</tr>
<tr>
<td>2700</td>
<td>1- 1000 W. H34-12 Indoor</td>
<td>14&quot; H X 12&quot; W X 6&quot; D</td>
</tr>
</tbody>
</table>

**NOTICE:** The above Resistor Ballasts are for 250 DC Cranes and not for general illumination

---

**Super Heavy Duty Shock Mount**

Extend lamp life with this cast aluminum shock mount. The lighting fixture floats on a solid rubber base that absorbs shock and vibration. A ground connection is installed between the top and bottom of the shock mount for added safety.

- 100% weatherproof
- Extra thick casting
- 1/2" or 3/4" IPS models

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM-1/2</td>
<td>1/2&quot; IPS SM</td>
</tr>
<tr>
<td>SM-3/4</td>
<td>3/4&quot; IPS SM</td>
</tr>
</tbody>
</table>

**Heavy Duty Shock Mount**

This combination shock mount and junction box protects against shock and vibration while offering the added feature of a junction box. The shock mount must be ordered with the junction box. The junction box can be ordered separately.

- Four bolt flange base shock mount.
- 3/4" IPS inlet each end, solid cover junction box.
- 3/4" IPS for swivel arm.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-19</td>
<td>Shock Mount</td>
</tr>
<tr>
<td>211</td>
<td>Junction Box</td>
</tr>
</tbody>
</table>
HEAVY DUTY QUARTZ FLOODLIGHTS

Extra heavy duty Aluminum housing featuring a shock mount option that qualifies these fixtures for applications of excessive vibration such as overhead cranes, steel mill material handling equipment including 250 VDC equipment. The unique shock mounts used with these fixtures float on a solid rubber base that absorbs shock and vibration. Models shown have shock mounts installed. Lamps not included.

Note: 240 V lamps are suitable for 250 VDC.

Fixtures:
500Q  500W Medium Beam 3/4" Swivel (not shown)
500QSM  500W Medium Beam 3/4" Swivel with shock mount
1500Q  1500W Medium Beam 3/4" Swivel (not shown)
1500QSM  1500W Medium Beam 3/4" Swivel with shock mount

Lamps:
500T3Q/CL  500 W 120 V Quartz lamp 12/ctn
500T3Q/CL/240  500W 240 V Quartz lamp 12/ctn
1500T3Q/CL  1500W 240 V Quartz lamp 12/ctn

Parts:
L-1  1500W Glass fixture lens
L-2  500W Glass fixture lens
SM-3/4  3/4" Heavy duty shock mount
SM-1/2  1/2" Heavy duty shock mount
INDUSTRIAL FANS

MANCOOLERS
Standard “T” base mounting, these low noise level, heavy duty units provide man cooling and process cooling for both open work areas and spot cooling. Their rugged construction equals that of a permanent fan, yet can be easily positioned and adjusted for directional flow. In accordance with OSHA and AMCA standards.

M24B1 24”, 1 HP, 1750 RPM, 7200 CFM
M24B1.5 24”, 1.5 HP, 1750 RPM, 8200 CFM
M24B2 24”, 2 HP, 1750 RPM, 9200 CFM
M24B3/4X 24”, 3/4 HP, 1140 RPM, 6600 CFM
M36B5 36”, 5 HP, 1750 RPM, 25,100 CFM
M36B2X 36”, 2 HP, 1140 RPM, 17,000 CFM
M36B3X 36”, 3 HP, 1140 RPM, 20,000 CFM
M36B5X 36”, 5 HP, 1140 RPM, 24,900 CFM

DRUM STYLE MANCOOLERS
Standard “T” base mounting, the drum style units offer the same performance characteristics as the popular Mancoolers, but with the added feature of greater air direction. This helps condition difficult to reach areas and provides even greater spot cooling of equipment and processing operations.

D36B5 36”, 5HP, 1750 RPM, 25,100 CFM
D36B2X 36”, 2HP, 1140 RPM, 17,000 CFM
D36B3X 36”, 3HP, 1140 RPM, 20,000 CFM
D36B5X 36”, 5HP, 1140 RPM, 24,900 CFM
D42B7.5 42”, 7.5HP, 1750 RPM, 30,000 CFM
D42B3X 42”, 3HP, 1140 RPM, 23,500 CFM
D42B5X 42”, 5HP, 1140 RPM, 28,000 CFM
D42B7.5X 42”, 7.5HP, 1140 RPM, 32,500 CFM

CRANE CAB FANS
Standard adjustable base mount -TB Tripod base

C12A 12”, 1/3 HP, 1750 RPM, 1500 CFM, 250 VDC
C16A 16”, 1/3 HP, 1750 RPM, 2800 CFM, 250 VDC
C18A 18”, 1/3 HP, 1750 RPM, 3400 CFM, 250 VDC

MODEL NUMBER SPECIFICATION LAYOUT
Example: M36B5X-4LA-WC

LEGEND
B = 230/460/3/60 Hz
C = 115/230/1/60 Hz
X = 1140 RPM
Z = 850 RPM

OPTIONS
-4LA = 4 legs
-WC = with casters
-WM = wall mount
-TW = Trolley wheels

LEGEND
A = 250 VDC
B = 230/460/3/60 Hz
C = 115/230/1/60 Hz
X = 1140 RPM

OPTIONS
-4LA = Base
-PC = Pedestal
-PS = Pedestal swivel
-WC = With Casters

Consult sales department for other accessories, plugs, wiring, starters, aluminum propellers and other motor types.
ELECTRIC UNIT HEATERS

ELECTRIC UNIT HEATERS - UL LISTED

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>VOLTAGE</th>
<th>KW</th>
<th>PHASE</th>
<th>CONTACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUH-224-SA</td>
<td>240</td>
<td>2.5</td>
<td>1</td>
<td>Not Needed</td>
</tr>
<tr>
<td>AUH-348-SA</td>
<td>480</td>
<td>3.3</td>
<td>3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-548-SA</td>
<td>480</td>
<td>5</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-748-SA</td>
<td>480</td>
<td>7.5</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-1048-M</td>
<td>480</td>
<td>10</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-1248-M</td>
<td>480</td>
<td>12.5</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-1548-M</td>
<td>480</td>
<td>15</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
</tbody>
</table>

Specify - PORTABLE to order Portable Electric Unit Heaters

UNIT HEATERS ACCESSORIES AND CONTROLS

CWB-1
Combination wall/ceiling bracket for 2.5 thru 15 KW units. Not needed on S models.

WB-1A
One-piece wall mounting bracket for 2.5 thru 15 KW units. Not needed on S models.

AUH-TA-1
Single pole thermostat fit for field installation in all units except three phase AUH-520 and AUH-524. 40 - 150 F.

AUH-TA2
Double line thermostat kit for field installation in three phase AUH-520 and AUH-524 units. 50 to - 150 F.

PORTABLE HEATERS

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>WATTS</th>
<th>VOLTS</th>
<th>PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH135431</td>
<td>13,500</td>
<td>480</td>
<td>3</td>
</tr>
<tr>
<td>PPH643</td>
<td>6,000</td>
<td>480</td>
<td>3</td>
</tr>
<tr>
<td>PHX454</td>
<td>4,500</td>
<td>480</td>
<td>1</td>
</tr>
</tbody>
</table>

Not supplied with cord (Available as option). Price includes heavy duty protective screen.
CRANE CAB HEATERS

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>SWITCH</th>
<th>WATTS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-230CH-1</td>
<td>No</td>
<td>1 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-1-S</td>
<td>Yes</td>
<td>1 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-2</td>
<td>No</td>
<td>2 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-2-S</td>
<td>Yes</td>
<td>2 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-4</td>
<td>No</td>
<td>4 KW</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-4-S</td>
<td>Yes</td>
<td>4 KW</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-2/2-S</td>
<td>Yes</td>
<td>4 KW (2+2)</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
<tr>
<td>A-230CH-2/2/2-S</td>
<td>Yes</td>
<td>6 KW (2+2+2)</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
</tr>
</tbody>
</table>

* Heavy-duty wirewound heating elements.

Natural convection heaters are ideal for heating crane cabs, guard houses and other normally unheated areas. All heaters feature heavy-duty wirewound heating elements mounted in a rugged galvanized steel enclosure with perforated cover. All units are suitable for floor or wall mounting and have convenient knockouts for permanent conduit installation. Heavy-duty DC rated switches are also available for on/off or multiple heat settings.
RMS Series

The RMS series of manual pull stations are a high quality non toxic and low profile design with smooth edges that offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RMS series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

FEATURES - ALL MODELS

• UL
• single or dual action
• Break Glass
• Lift and Pull
• 9 different colors
• Custom Lettering available in any language

RMS Models:
RMS-1P  S.P.S.T. w/pigtaill connection
RMS-2P  D.P.S.T. w/pigtaill connection
RMS-1T  S.P.S.T. w/terminal connection
RMS-2T  D.P.S.T. w/terminal connection
RMS-6T  D.P.D.T. w/terminal connection

OPTIONS & ACCESSORIES - ALL MODELS

GR  Glass rods
GP  Replacement Glass
BB  Indoor Back Box (surface mount)
DBB  Deep indoor back box (surface mount)
NC-BGC  Break Glass Cover
LP  Lift & Pull Cover
DAH  Break Glass Adaptor
/KL  Key Lock Plus Keys (must order w/pull station)

AVAILABLE COLORS:
Red, Blue, Green, Yellow, White, Black, Grey, Purple (magenta), Orange

RMS-EX-WP Series

The RMS-EX-WP series of explosion proof and weather proof manual pull stations are constructed of high strength metal die-cast alloy and the finest workmanship available. The RMS-EX-WP series have a UL rating of Class I, division 1, Group B (hydrogen) C & D, Class II, division 1, Groups E, F & G, Class III and an outdoor rating of type NEMA 4X. Electrically the RMS-EX-WP series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

RMS-EX-WP Models
RMS-EX-WP  Break Glass Cover
RMS-6T-EXP-WP  D.P.D.T. w/terminal connection

RMS-WP Series

The RMS-WP series of weatherproof NEMA 4X rated manual pull stations are a high quality non toxic and low profile design with smooth edges that offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RMS-WP series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

RMS-WP Models
RMS-1P-WP  S.P.S.T. w/pigtil connection
RMS-2P-WP  D.P.S.T. w/pigtil connection
RMS-1T-WP  S.P.S.T. w/terminal connection
RMS-2T-WP  D.P.S.T. w/terminal connection
RMS-6T-WP  D.P.D.T. w/terminal connection

BREAK GLASS COVER

The cover is made of heavy gauge steel and offers the user the proven glass break deterrent.

NC-BGC  Break Glass Cover
NGC  Replacement Glass for NC-BGC
Strobe lamps are high-intensity light sources which use glass and quartz tubing filled with xenon gas to efficiently convert 20 to 50% of the applied electrical energy into optical energy. Similarly, an incandescent light converts only 1 to 3% of the electrical energy into optical energy. An important feature of the xenon strobe lamp is its ability to produce a high peak blue-white light output of short duration. All TOMAR strobe lamps have a trigger coil potted into their assemblies except the low cost model 2001, 5001 and 5002 lamps.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Min Voltage</th>
<th>Max Voltage</th>
<th>Avg Watts</th>
<th>Base/Connector</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>225</td>
<td>450</td>
<td>10</td>
<td>3 PIN AMP</td>
<td>USE EXTERNAL TRIGGER</td>
</tr>
<tr>
<td>3001</td>
<td>180</td>
<td>600</td>
<td>20</td>
<td>OCTAL</td>
<td></td>
</tr>
<tr>
<td>4001</td>
<td>225</td>
<td>600</td>
<td>20</td>
<td>OCTAL</td>
<td></td>
</tr>
<tr>
<td>5001</td>
<td>225</td>
<td>400</td>
<td>5</td>
<td>3 PIN AMP</td>
<td>USE EXTERNAL TRIGGER</td>
</tr>
<tr>
<td>5002</td>
<td>200</td>
<td>600</td>
<td>1</td>
<td>3 PIN MOLEX</td>
<td>USE EXTERNAL TRIGGER</td>
</tr>
<tr>
<td>6001</td>
<td>225</td>
<td>800</td>
<td>40</td>
<td>OCTAL</td>
<td>NON-POLAR</td>
</tr>
<tr>
<td>700–R1–ALL COLORS</td>
<td>180</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
<td></td>
</tr>
</tbody>
</table>

### WARNING

1. All lamps are triggered by discharging a 0.22 MFD capacitor charged to 200 VDC into the trigger connection.
2. All lamps are polarity sensitive except the 6001.
3. Rubber friction mount base mounts in 1" Dia. hole.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Octal</th>
<th>Pin 2 – Anode, Pin 3 – Trigger, Pin 6 – Cathode &amp; Trigger Grd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octal Large</td>
<td>Pin 2 – Anode, Pin 3 – Trigger, Pin 5 –</td>
</tr>
<tr>
<td>3 Pin Amp</td>
<td>Pin 1 – Anode, Pin 2 – Cathode,</td>
</tr>
<tr>
<td>Mate-N-Lok</td>
<td>Pin 3 – Trigger</td>
</tr>
<tr>
<td>5001</td>
<td>Pin 1 – Trigger HV, Pin 2 – Cathode, Pin 3 – Anode</td>
</tr>
<tr>
<td>2001</td>
<td>Pin 1 – Anode, Pin 2 – Trigger, Pin 3 – Cathode</td>
</tr>
</tbody>
</table>
120, 240, 277 & 480 AC & 250 DC LED Flood Lights

LED 50 WATT FLOOD LIGHT
This 50 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.42” X 9.30”, 10.32 Lbs
- G.W: 9 Lbs
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277 & 480 VAC & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+70C
- Certificates: ETL, CE, RoHS, & GS
- Magnetic Base Option: -MB

FL-50-100-277  100-277 VAC 50/60 Hz.
FL-50-250      250 DC 50 W. Medium
Beam LED Flood Light
FL-50-480      480 VAC 50 W. Medium
Beam LED Flood Light
-MB Magnetic Base Option
-DM Dimmable Option
-PH Photocell Option
-P Plastic Lens Option

LED 80 WATT FLOOD LIGHT
This 80 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.22” X 14.17”, 16.42 Lbs
- G.W: 16 Lbs
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277 & 480 VAC & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust & water jet protection
- Ambient Temperature Range: -40+70C
- Certificates: ETL, CE, RoHS & GS
- Plastic lens Option: -P

FL-80-100-277  100-277 VAC 50/60 Hz.
FL-80-250      250 DC 80 W. Medium
Beam LED Flood Light
FL-80-480      480 VAC 50/60 Hz.
80 W. Medium Beam LED Flood Light
-DM Dimmable Option
-PH Photocell Option
-P Plastic Lens Option

LED 90 WATT FLOOD LIGHT
This 90 Watt Narrow Beam (60 Degrees) LED Flood Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.22” X 14.17”, 16.42 Lbs
- Color: White • 4600K - 6500K
- Wattage: 90 Watts • Lumens: 120-130 lm/Watt
- G.W: 17 Lbs
- Average Life: 100,000 Hours
- Viewing Angle: 60 Degrees
- Voltage: 100-277 & 480 VAC, & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust & water jet protection
- Ambient Temperature Range: -40+70C
- Certificates: ETL, CE, RoHS & GS
- Plastic Lens Option: -P

FL-90-100-277NB 100-277 AC 50/60 Hz. 90W Narrow Beam LED Flood Light
FL-90-250NB     250 DC 90W. Narrow Beam
LED Flood Light
FL-90-480NB     480 VAC 50/60 Hz.
90 W. Narrow Beam LED Flood Light
-DM Dimmable Option
-PH Photocell Option
-P Plastic Lens Option
50 WATT LED FLOOD LIGHT WITH MAGNETIC BASE

Ten Year Warranty

This 50 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

• Body material: Aluminum die casting
• Dimensions: 11.42" X 9.30"
• Weight: 9 lbs.
• Color Temperature: White • 4600K - 6500K
• Wattage: 50 Watts • Lumens: 120-130 lm/Watt
• Average Life: 100,000 Hours
• Viewing Angle: 120 Degrees
• Voltage: 100-277 VAC, 480VAC, & 250 VDC
• DC model polarity Protected
• IP Degree: IP65 = Dust and water jet protection
• Ambient Temperature Range: -40+70C
• Certificates: ETL, CE, RoHS & GS

FL-50-100-277MB 100-277 VAC 50 W. Medium Beam LED Flood Light with Magnetic Base
FL-50-250MB 250 DC 50 W. Medium Beam LED Flood Light with Magnetic Base
FL-50-480MB 480 VAC 50 W. Medium Beam LED Flood Light with Magnetic Base
200W LED FLOOD LIGHT

This 200 Watt LED Flood Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 80,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 21.73" X 15.69" X 6.77"
- Weight: 38 Lbs
- Color: White • 4600K - 6500K
- Wattage: 200 Watts • Lumens: 120-130 lm/Watt
- Average Life: 80,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC, 480VAC, 125-250VDC
- Ambient Temperature Range: -40+70°C
- DC model polarity protected
- Plastic Lens Option: -P

FL200-100-277
100-277 VAC, 200 W. Medium Beam LED Flood Light

FL200-480
480 VAC, 200 W. Medium Beam LED Flood Light

FL200-250
125-250 VDC, 200 W. Medium Beam LED Flood Light
-P
Plastic Lens Option

FL200-100-277NB
100-277 VAC, 200 W. Narrow Beam LED Flood Light

FL200-480NB
480 VAC, 200 W. Narrow Beam LED Flood Light

FL200-250NB
125-250 VDC, 200 W. Narrow Beam LED Flood Light
-P
Plastic Lens Option
300W LED FLOOD LIGHT

This 300 Watt LED Flood Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 80,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

- Body material: Aluminum die casting
- LED: Cree or Samsung
- Dimensions: 21.73” X 15.69”X6.77”
- Weight: 38 Lbs
- Color: White • 5500K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 80,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC, 480VAC, 125-250VDC
- Ambient Temperature Range: -40-70C
- DC model polarity protected
- Plastic Lens Option: -P
- Warranty: 10 years

RFL300-100-277
100-277 VAC, 300 W. LED Flood Light Medium Beam.

RFL300-480
480 VAC, 300 W. LED Flood Light Medium Beam.

RFL300-250
125-250 VDC, 300 W. LED Flood Light Medium Beam.

RFL300-100-277NB
100-277 VAC, 300 W. LED Flood Light Narrow Beam.

RFL300-480NB
480 VAC, 300 W. LED Flood Light Narrow Beam.

RFL300-250NB
125-250 VDC, 300 W. LED Flood Light Narrow Beam.
These Medium Beam (120 Degrees) LED Flood Lights provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

- Body material: Aluminum die casting
- LED Chips: Philips 3030
- Dimensions: 20.65” x 17.7” x 5.5”
- Weight: 29 lbs
- Color: White 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- MH replacement: 800-900 Watt
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC, 480VAC, 125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40°C to 70°C
- DC model polarity protected
- Power supply: UL&CUL Listed Meanwell driver
- Certificates: ETL, CE, RoHS & GS
- Ten Year Warranty

NFL200-100-277
100-277 VAC, 200 W. Medium Beam LED Flood Light

NFL200-480
480 VAC, 200 W. Medium Beam LED Flood Light

NFL200-250
125-250 VDC, 200 W. Medium Beam LED Flood Light

-DM Dimmable Option
-PH Photocell Option
-P Plastic Lens Option

NFL300-100-277
100-277 VAC, 300 W. Medium Beam LED Flood Light

NFL300-480
480 VAC, 300 W. Medium Beam LED Flood Light

NFL300-250
125-250 VDC, 300 W. Medium Beam LED Flood Light

-DM Dimmable Option
-PH Photocell Option
-P Plastic Lens Option
150W/250W LED FLOOD LIGHT WITH FIN ALUMINUM HEAT-SINK

These High Power FIN Heat-sink LED Floods provide an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources. Suitable for Warehouses, logistics workshops, Retail stores, Theme restaurants, Amusement parks, Indoor stadiums and public places, etc. These High Power FIN Heat-sink LED Flood lights using high lumen output Philips Lumileds - LUXEON as light source, are making it easy to provide high bay flood lighting. Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

FEATURES:
- LED Light Source: Philips Lumileds (LUXEON)
- Body material: Aluminum+ Fin Heat-sink
- Color Temperature: White • 4000K- 7000K
- Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 85x135 Degrees Lens
- DC model polarity Protected
- IP Degree: IP65 =Dust and water jet protection
- Ambient Temperature Range: -40+70C
- Certificates: ETL, CE, RoHS & GS.
- Color Rendering Index: 75Ra

SPECIFICATIONS:
- Wattage: 150 Watts
- LED Qty: 74 pcs
- Dimensions: 14.4"W X 19.96"L X 3.8"D
- Weight: 20 lbs.
- Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL150-100-277
100-277 VAC 150 W. Fin Heat-Sink LED Flood
FL150-250
125-250 VDC 150 W. Fin Heat-Sink LED Flood
FL150-480
480 VAC 150 W. Fin Heat-Sink LED Flood

- Wattage: 250 Watts
- LED Qty: 125 pcs
- Dimensions: 14.4"W X 22.3"L X 3.8"D
- Weight: 25 lbs.
- Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL250-100-277
100-277 VAC 250 W. Fin Heat-Sink LED Flood
FL250-250
125-250 VDC 250 W. Fin Heat-Sink LED Flood
FL250-480
480 VAC 250 W. Fin Heat-Sink LED Flood
These High Power FIN Heat-sink LED Floods provide an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources. Suitable for Warehouses, logistics workshops, Retail stores, Theme restaurants, Amusement parks, Indoor stadiums and public places, etc. These High Power FIN Heat-sink LED Flood lights using high lumen output Philips Lumileds - LUXEON as light source, are making it easy to provide high bay flood lighting. Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

FEATURES:
- LED Light Source: Philips Lumileds (LUXEON)
- Body material: Aluminum+ Fin Heat-sink
- Color Temperature: White • 4000K- 7000K
- Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 85x135 Degrees Lens
- Warranty: 10 years.

SPECIFICATIONS:
- Wattage: 300 Watts
- LED Qty: 140 pcs
- Dimensions: 23.86"W X 19.96"L X 4.60"D
- Weight: 35.5 lbs.
- Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL300-100-277
100-277 VAC 300 W. Fin Heat-Sink LED Flood

FL300-250
125-250 VDC 300 W. Fin Heat-Sink LED Flood

FL300-480
480 VAC 300 W. Fin Heat-Sink LED Flood

- Wattage: 400 Watts
- LED Qty: 200 pcs
- Dimensions: 23.86"W X 21.46"L X 4.60"D
- Weight: 39.5 lbs.
- Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL400-100-277
100-277 VAC 400 W. Fin Heat-Sink LED Flood

FL400-250
125-250 VDC 400 W. Fin Heat-Sink LED Flood

FL400-480
480 VAC 400 W. Fin Heat-Sink LED Flood
These High Power FIN Heat-sink LED Floods provide an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources. Suitable for Warehouses, logistics workshops, Retail stores, Theme restaurants, Amusement parks, Indoor stadiums and public places, etc. These High Power FIN Heat-sink LED Flood lights using high lumen output Philips Lumileds - LUXEON as light source, are making it easy to provide high bay flood lighting. Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

**FEATURES:**
- LED Light Source: Philips Lumileds (LUXEON)
- Body material: Aluminum+ Fin Heat-sink
- Color Temperature: White • 4000K- 7000K
- Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 85x135 Degrees Lens
- Warranty: 10 years.

**SPECIFICATIONS:**
- Wattage: 500 Watts
- LED Qty: 250 pcs
- Dimensions: 23.86"W X 31.94"L X 4.60"D
- Weight: 51 lbs.
- Voltage: 100-277 & 480 VAC, 125 - 250 VDC

**FL500-100-277**
100-277 VAC 500 W. Fin Heat-sink LED Flood

**FL500-250**
125-250 VDC 500 W. Fin Heat-sink LED Flood

**FL500-480**
480 VAC 500 W. Fin Heat-sink LED Flood

- DC model polarity Protected
- IP Degree: IP65 =Dust and water jet protection
- Ambient Temperature Range: -40+70C
- Certificates: ETL, CE, RoHS & GS.
- Fixture Color: Black.
- Color Rendering Index: 75Ra
- Power Supply equipped: Mean Well (from Taiwan)

**FL600-100-277**
100-277 VAC 600 W. Fin Heat-sink LED Flood

**FL600-250**
125-250 VDC 600 W. Fin Heat-sink LED Flood

**FL600-480**
480 VAC 600 W. Fin Heat-sink LED Flood
800W/1000W LED FLOOD LIGHT WITH FIN ALUMINUM HEAT-SINK

These High Power FIN Heat-sink LED Floods provide an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources. Suitable for Warehouses, logistics workshops, Retail stores, Theme restaurants, Amusement parks, Indoor stadiums and public places, etc. These High Power FIN Heat-sink LED Flood lights using high lumen output Philips Lumileds - LUXEON as light source, are making it easy to provide high bay flood lighting. Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

FEATURES:
• LED Light Source: Philips Lumileds (LUXEON)
• Body material: Aluminum+ Fin Heat-sink
• Color Temperature: White • 4000K- 7000K
• Lumens: 120-130 lm/Watt
• Average Life: 100,000 Hours
• Viewing Angle: 85x135 Degrees Lens

SPECIFICATIONS:
• Wattage: 800 Watts
• LED Qty: 360 pcs
• Dimensions: 30.1"W X 29.26"L X 6.54"D
• Weight: 58 lbs.
• Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL800-100-277
100-277 VAC 800 W. Fin Heat-Sink LED Flood
FL800-250
125-250 VDC 800 W. Fin Heat-Sink LED Flood
FL800-480
480 VAC 800 W. Fin Heat-Sink LED Flood

• Wattage: 1000 Watts
• LED Qty: 400 pcs
• Dimensions: 30.1"W X 36.34"L X 6.54"D
• Weight: 69 lbs.
• Voltage: 100-277 & 480 VAC, 125 - 250 VDC

FL1000-100-277
100-277 VAC 1000 W. Fin Heat-Sink LED Flood
FL1000-250
125-250 VDC 1000 W. Fin Heat-Sink LED Flood
FL1000-480
480 VAC 1000 W. Fin Heat-Sink LED Flood

Ten Year Warranty

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.
UPTO 20W LED 'UNIVERSAL POSITION' RETROFIT LAMP

Fully encapsulated, 100-277VAC, E26/E27 mounting that integrates energy saving LED technology into a powerful yet energy saving SMD LED 'universal position' retrofit lamp. Applications covering LED Site/Roadway/ Post Top/ Wall Pack (where applicable), High Bay, Parks/ Quads, Car Garage lighting, Warehouse lighting, Security lighting and Municipal lighting.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

**SPECIFICATIONS:**
- Wattage: 15 Watts
- LED quantity: 220 pcs SMD Led
- Body material: PC
- Dimensions: dia2.84" x L7.3" 
- Medium base type: E26/E27
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 1800 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 0.65 Kg
- Voltage: 100-277 VAC, 250 VDC
- CRI: not less than 75Ra
- MH/HPS replacement: 35Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE, RoHS & GS
- Warranty: 10 years

**SPECIFICATIONS:**
- Wattage: 15 Watts
- LED quantity: 220 pcs SMD Led
- Body material: PC
- Dimensions: dia2.84" x L7.3" 
- Medium base type: E26/E27
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 1800 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 0.65 Kg
- Voltage: 100-277 VAC, 250 VDC
- CRI: not less than 75Ra
- MH/HPS replacement: 35Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE, RoHS & GS
- Warranty: 10 years

**SPECIFICATIONS:**
- Wattage: 20 Watts
- LED quantity: 312 pcs SMD Led
- Body material: PC
- Dimensions: dia2.84" x L7.3" 
- Medium base type: E26/E27
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 2400 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 0.75 Kg
- Voltage: 100-277 VAC, 250 VDC, 480 VAC
- CRI: not less than 75Ra
- MH/HPS replacement: 50Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE, RoHS & GS
- Warranty: 10 years

**COB-LED-10**
100-277 VAC, 250 VDC, 10 Watt LED COB Light. Can not be used in an enclosed fixture.

**COB-EN-LED-10**
100-277 VAC, 250 VDC, 10 Watt LED COB Light. Can be used in an enclosed fixture.

**COB-LED-15**
100-277 VAC, 250 VDC, 15 Watt LED COB Light. Can not be used in an enclosed fixture.

**COB-EN-LED-15**
100-277 VAC, 250 VDC, 15 Watt LED COB Light. Can be used in an enclosed fixture.

**COB-LED-20**
100-277 VAC, 250 VDC, 480 VAC. 20 Watt LED COB Light. Can not be used in an enclosed fixture.

**COB-EN-LED-20**
100-277 VAC, 250 VDC, 480 VAC. 20 Watt LED COB Light. Can be used in an enclosed fixture.
LED COB LIGHT / 'UNIVERSAL POSITION' RETROFIT LAMP

Fully encapsulated, 100-277/VAC, various mounting that integrates energy saving LED technology into a powerful yet energy saving SMD LED "universal position" retrofit lamp. Applications covering LED Site/Roadway/ Post Top/ Wall Pack (where applicable), High Bay, Parks/ Quads, Car Garage lighting, Warehouse lighting, Security lighting and Municipal lighting.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Wattage: 30 Watts
- LED quantity: 392 pcs SMD Led
- Body material: PBT+Aluminum
- Dimensions: dia3.7'' X L7.64''
- Medium base: E26/E27 • Mogul base: E39/E40
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 3600 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 0.9 Kg
- Voltage: 100-277 VAC, 250 VDC, 480 VAC.
- CRI: not less than 75Ra
- MH/HPS replacement: 90Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE,RoHS & GS
- Warranty: 10 years

COB-LED-30
100-277VAC, 250 VDC, 480VAC. 30 Watt LED COB Light. Can not be used in an enclosed fixture.

COB-EN-LED-30
100-277VAC, 250 VDC, 480VAC. 30 Watt LED COB Light. Can be used in an enclosed fixture.

SPECIFICATIONS:
- Wattage: 40 Watts
- LED quantity: 560 pcs SMD Led
- Body material: PBT+Aluminum
- Dimensions: dia3.7’’ X L9.3’’
- Medium base: E26/E27 • Mogul base: E39/E40
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 4800 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 1.1 Kgs
- Voltage: 100-277 VAC, 250 VDC, 480 VAC.
- CRI: not less than 75Ra
- MH/HPS replacement: 120Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE,RoHS & GS
- Warranty: 10 years

COB-LED-40
100-277 VAC, 250 VDC, 480VAC. 40 Watt LED COB Light. Can not be used in an enclosed fixture.

COB-EN-LED-40
100-277 VAC, 250 VDC, 480VAC. 40 Watt LED COB Light. Can be used in an enclosed fixture.

SPECIFICATIONS:
- Wattage: 60 Watts
- LED quantity: 896 pcs SMD Led
- Body material: PBT+Aluminum+FAN
- Dimensions: dia3.7’’ X L11.3’’
- Medium base: E26/E27 • Mogul base: E39/E40
- Color: WW(3000K) • NW(4000K) • CW(6000K)
- Lumens: 7200 lm
- Lumen/Watt: 120-130 lm/W
- Weight: 1.35 Kgs
- Voltage: 100-277 VAC, 250 VDC, 480 VAC.
- CRI: not less than 75Ra
- MH/HPS replacement: 180Watt
- Beam Angle: 360 Degrees
- Operating Temperature: -20+40C
- Ambient Temperature: -40+70C
- Power factor: 0.9
- Average Life: 100,000 Hours
- Certificates: ETL, CE,RoHS & GS
- Warranty: 10 years

COB-LED-60
100-277 VAC, 250 VDC, 480VAC. 60 Watt LED COB Light. Can not be used in an enclosed fixture.

COB-EN-LED-60
100-277 VAC, 250 VDC, 480VAC. 60 Watt LED COB Light. Can be used in an enclosed fixture.
**LED COB LIGHT / ‘UNIVERSAL POSITION’ RETROFIT LAMP**

Fully encapsulated, 100-277VAC,E39/E40 mounting that integrates energy saving LED technology into a powerful yet energy saving SMD LED ‘universal position’ retrofit lamp. Applications covering LED Site/ Roadway/ Post Top/ Wall Pack (where applicable), High Bay, Parks/ Quads, Car Garage lighting, Warehouse lighting, Security lighting and Municipal lighting.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

**SPECIFICATIONS:**
- **Wattage:** 80 Watts
- **LED quantity:** 1148 pcs SMD Led
- **Body material:** PBT+Aluminum+FAN
- **Dimensions:** dia4.65" X L10.64"
- **Color:** WW(3000K) • NW(4000K)
- **Wattage:** 80 Watts
- **Average Life:** 100,000 Hours
- **Operating Temperature:** -20+40°C
- **Weight:** 1.5 Kgs
- **Voltage:** 100-277 VAC, 250 VDC, 480 VAC.
- **CRI:** not less than 75Ra
- **MH/HPS replacement:** 240Watt
- **Beam Angle:** 360 Degrees
- **Operating Temperature:** -40+40°C
- **Power factor:** 0.9
- **Average Life:** 100,000 Hours
- **Certificates:** ETL, CE,RoHS & GS
- **Warranty:** 10 years

**COB-LED-80**
- 100-277 VAC, 250 VDC, 480 VAC.
- 80 Watt LED COB Light.
- Can not be used in an enclosed fixture.

**COB-ST-LED-80**
- 100-277 VAC, 250 VDC, 480 VAC.
- 80 Watt LED COB Light.
- Can be used in an enclosed fixture.

**SPECIFICATIONS:**
- **Wattage:** 100 Watts
- **LED quantity:** 1625 pcs SMD Led
- **Body material:** PBT+Aluminum+FAN
- **Dimensions:** dia4.65’ X 12.4’
- **Color:** WW(3000K) • NW(4000K)
- **Wattage:** 100 Watts
- **Average Life:** 100,000 Hours
- **Operating Temperature:** -40+70°C
- **Weight:** 1.75 Kgs
- **Voltage:** 100-277 VAC, 250 VDC, 480 VAC.
- **CRI:** not less than 75Ra
- **MH/HPS replacement:** 300Watt
- **Beam Angle:** 360 Degrees
- **Operating Temperature:** -40+70°C
- **Power factor:** 0.9
- **Average Life:** 100,000 Hours
- **Certificates:** ETL, CE,RoHS & GS
- **Warranty:** 10 years

**COB-LED-100**
- 100-277 VAC, 250 VDC, 480 VAC.
- 100 Watt LED COB Light, 12.4’ Long.
- Can not be used in an enclosed fixture.

**COB-ST-LED-100** (Short Model)
- 100-277 VAC, 250 VDC, 480 VAC.
- 100 Watt LED COB Light, 10.4’ Long.
- Can not be used in an enclosed fixture.

**SPECIFICATIONS:**
- **Wattage:** 120 Watts
- **LED quantity:** 1820 pcs SMD Led
- **Body material:** PBT+Aluminum+FAN
- **Dimensions:** dia4.65’ X 14.4’
- **Color:** WW(3000K) • NW(4000K)
- **Wattage:** 120 Watts
- **Average Life:** 100,000 Hours
- **Operating Temperature:** -40+70°C
- **Weight:** 1.95 Kgs
- **Voltage:** 100-277 VAC, 250 VDC, 480 VAC.
- **CRI:** not less than 75Ra
- **MH/HPS replacement:** 360Watt
- **Beam Angle:** 360 Degrees
- **Operating Temperature:** -40+70°C
- **Power factor:** 0.9
- **Average Life:** 100,000 Hours
- **Certificates:** ETL, CE,RoHS & GS
- **Warranty:** 10 years

**COB-LED-120**
- 100-277 VAC, 250 VDC, 480 VAC.
- 120 Watt LED COB Light, 14.4’ Long.
- Can not be used in an enclosed fixture.

**COB-ST-LED-120** (Short Model)
- 100-277 VAC, 250 VDC, 480 VAC.
- 120 Watt LED COB Light,12.4’ Long.
- Can not be used in an enclosed fixture.

**SPECIFICATIONS:**
- **Wattage:** 150 Watts
- **LED quantity:** 2150 pcs SMD Led
- **Body material:** PBT+Aluminum+FAN
- **Dimensions:** dia4.65’ X L14.4’
- **Color:** WW(3000K) • NW(4000K)
- **Wattage:** 150 Watts
- **Average Life:** 100,000 Hours
- **Operating Temperature:** -40+70°C
- **Weight:** 2.05 Kgs
- **Voltage:** 100-277 VAC, 250 VDC, 480 VAC.
- **CRI:** not less than 75Ra
- **MH/HPS replacement:** 450Watt
- **Beam Angle:** 360 Degrees
- **Operating Temperature:** -40+70°C
- **Power factor:** 0.9
- **Average Life:** 100,000 Hours
- **Certificates:** ETL, CE,RoHS & GS
- **Warranty:** 10 years

**COB-LED-150**
- 100-277 VAC, 250 VDC, 480 VAC.
- 150 Watt LED COB Light, 15.6’ Long.
- Can not be used in an enclosed fixture.

**COB-ST-LED-150** (Short Model)
- 100-277 VAC, 250 VDC, 480 VAC.
- 150 Watt LED COB Light, 14.4’ Long.
- Can not be used in an enclosed fixture.
LED COB LIGHT / 'PIZZA SHAPE' RETROFIT LAMP

Flat/Round LED panel light, E39/E40 mounting that integrates energy saving LED technology into a powerful yet energy saving SMD LED 'Pizza Shape' retrofit lamp. Applications covering LED Site/ Roadway/ Post Top/ Wall Pack (where applicable), High Bay, Parks/ Quads, Car Garage lighting, Warehouse lighting, Security lighting and Municipal lighting.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

- Wattage: 40 Watts
- LED quantity: 578 pcs SMD Led
- Dimensions: dia12.2" X L8.66"
- Color: WW(3000K) • NW(4000K)
- CW(6000K)
- Weight: 1.8 Kgs
- Base type: E26/E27, E39/E40
- Warranty: 10 years
- CRI: not less than 75Ra
- LED quantity: 578 pcs SMD Led
- Power factor: 0.9
- Ambient Temperature: -40+70C
- Beam Angle: 180 Degrees
- Voltage: 100-277 VAC, 250 VDC, 480 VAC, (20-32VDC optional)
- MH/HPS replacement: 120Watt
- Operating Temperature: -20+50C
- Beam Angle: 180 Degrees
- Wattage: 60 Watts
- LED quantity: 868 pcs SMD Led
- Dimensions: dia12.2" X L8.66"
- Color: WW(3000K) • NW(4000K)
- CW(6000K)
- Weight: 1.85 Kgs
- Base type: E26/E27, E39/E40
- Warranty: 10 years
- CRI: not less than 75Ra
- LED quantity: 868 pcs SMD Led
- Power factor: 0.9
- Ambient Temperature: -40+70C
- Beam Angle: 180 Degrees
- Wattage: 80 Watts
- LED quantity: 1168 pcs SMD Led
- Dimensions: dia12.2” X L8.66”
- Mogul base type: E39/E40
- Color: WW(3000K) • NW(4000K)
- CW(6000K)
- Weight: 1.9 Kgs
- Mogul base type: E39/E40
- Warranty: 10 years
- CRI: not less than 75Ra
- LED quantity: 1168 pcs SMD Led
- Power factor: 0.9
- Ambient Temperature: -40+70C
- Beam Angle: 180 Degrees
- Wattage: 100 Watts
- LED quantity: 1460 pcs SMD Led
- Dimensions: dia12.2” X L8.66”
- Mogul base type: E39/E40
- Color: WW(3000K) • NW(4000K)
- CW(6000K)
- Weight: 1.95 Kgs
- Mogul base type: E39/E40
- Warranty: 10 years
- CRI: not less than 75Ra
- LED quantity: 1460 pcs SMD Led
- Power factor: 0.9
- Ambient Temperature: -40+70C
- Beam Angle: 180 Degrees

COB-FP-LED-40
100-277 VAC, 250 VDC, 480 VAC, 40 Watt LED COB Light Flat Pannel

COB-FP-LED-60
100-277 VAC, 250 VDC, 480 VAC, 60 Watt LED COB Light Flat Pannel

COB-FP-LED-80
100-277 VAC, 250 VDC, 480 VAC, 80 Watt LED COB Light Flat Pannel

COB-FP-LED-100
100-277 VAC, 250 VDC, 480 VAC, 100 Watt LED COB Light Flat Pannel

100-277 VAC, 250 VDC,
NEW DUAL COLORS LED CRANE SAFETY SIGNAL LIGHT

A LED safety spot light, designed to project a bright Blue/Red (or other colors) beam pattern on the ground and serve as a visual warning indicator. It projects a sizeable and powerful beam pattern, ideal for applications such as cranes or other tall equipment where the light needs to travel a further distance without sacrificing on intensity.

<table>
<thead>
<tr>
<th>Mounting Height</th>
<th>Max Lux</th>
<th>Pattern Diameter</th>
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<tbody>
<tr>
<td>20 feet</td>
<td>1,110</td>
<td>2.10 feet</td>
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<tr>
<td>30 feet</td>
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<tr>
<td>50 feet</td>
<td>210</td>
<td>5.10 feet</td>
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</tbody>
</table>

SPECIFICATIONS:

- Housing material: Aluminum die casting
- LED: Cree or Samsung
- Dimensions: 8.2" (dia) x 5.9" (H)
- Weight: 8Lbs
- Watts: 60W
- Lumens: 2700lm
- Color: Blue & Red (Other colors optional)
- Beam Angle: 5°
- Ambient Temperature Range: -40+70°C
- Lifetime Span: 80,000 hours
- Input Voltage: 100-277 VAC; 250 VDC; 480 VAC (20-32 VDC optional)

MODELS:

CSL60-100-277BR
100-277 VAC, Blue/Red colors 60 W. LED Crane Safety Signal Light.

CSL60-250BR
125-250 VDC, Blue/Red colors 60 W. LED Crane Safety Signal Light.

CSL60-480
480 VAC, 60 W. LED Crane Safety Signal Light (Please specify Blue or Red color when ordering).
**300W MEDIUM BEAM LED CRANE LIGHT**

**SPECIFICATIONS:**
- Housing material: Aluminum die casting
- Housing Color: Silver
- LED: Cree or Samsung
- Dimensions: 19'(dia) X 14.5"(H)
- Weight: 38 Lbs
- Bracket Length: 8.3"
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Ambient Temperature Range: -40+70C

**MODELS:**
- **CL300-100-277**
  100-277 VAC, 300 W. Medium Beam LED Crane Light.
- **CL300-480**
  480 VAC, 300 W. Medium Beam LED Crane Light.
- **CL300-250**
  125-250 VDC, 300 W. Medium Beam LED Crane Light.
**SPECIFICATIONS:**

- Housing material: Aluminum die casting
- Housing Color: Silver
- LED: Cree or Samsung
- Dimensions: 15’(dia) X 16.8’(H)
- Bracket Length: 8.3’
- Weight: 37 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 90° (with 90° reflector).
- Ambient Temperature Range: -40° to +70°C

**MODELS:**

**CL300-100-277NB**
100-277 VAC, 300 W. Narrow Beam LED Crane Light.

**CL300-480NB**
480 VAC, 300 W. Narrow Beam LED Crane Light.

**CL300-250NB**
125-250 VDC, 300 W. Narrow Beam LED Crane Light.
**300W DUST PREVENTION LED CRANE LIGHT**

**SPECIFICATIONS:**

- Housing material: Aluminum Proximate Matter
- Housing Color: Silver/Black
- LED: Cree or Samsung
- Dimensions: 15.6'(dia) X 23.5'(H)
- Bracket Length: 11.5'
- Weight: 31 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 60° (with 60°polished reflector).
- Ambient Temperature Range: -40~+70°C

**MODELS:**

**CL300-120-277DP**
120-277 VAC, 300 W. Dust Prevention LED Crane Light Narrow Beam.

**CL300-480DP**
480 VAC, 300 W. Dust Prevention LED Crane Light Narrow Beam.

**CL300-250DP**
125-250 VDC, 300 W. Dust Prevention LED Crane Light Narrow Beam.
SPECIFICATIONS:

- Housing material: Aluminum Proximate Matter
- Housing Color: Silver/Black
- LED: Cree or Samsung
- Dimensions: 15"(dia) X 17.5"(H)
- Bracket Length: 11.5"
- Weight: 31 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 100° (with 100° polished reflector)
- Ambient Temperature Range: -40-+70°C

MODELS:

**CL300120277MBDP**
120-277 VAC, 300 W. Dust Prevention LED Crane Light Medium Beam.

**CL300-480MBDP**
480 VAC, 300 W. Dust Prevention LED Crane Light Medium Beam.

**CL300-250MBDP**
125-250 VDC, 300 W. Dust Prevention LED Crane Light Medium Beam.
**UFO SERIES 300W LED CRANE LIGHT**

**Product Features**

- Adoption of uniform heat LED light and heat sink for heat dissipation design
- 2-1/2 Threaded base and special design headers
- Nichia LED from Japan (120 W) rated
- Double-Wall Double Proof
- Lens made of tempered glass and no screen
- All Stainless screws guaranteed flood illumination

**NEW Solution For Your Project**

- 20% Lighter
- 30% Brighter
- 50% Smaller
- 50% Extra Lifespan

**SPECIFICATIONS:**

- Housing material: Cold-forging Aluminum
- Housing Color: Silver/Black
- LED: Nichia or Philips
- Dimensions: 16.7"(dia) X 7.9"(H)
- Bracket Length: 10.5" 
- Weight: 27 Lbs
- Color: White • 5500K - 6500K
- Wattage: 300 Watts • Lumens: 120-130lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 115°
- Ambient Temperature Range: -40-+70°C

**MODELS:**

- **CLU300-120-277**
  120-277 VAC, 300 W. LED Cranelight UFO.
- **CLU300-480**
  480 VAC, 300 W. LED Cranelight UFO.
- **CLU300-250**
  125-250 VDC, 300 W. LED Cranelight UFO. 
300W MEDIUM BEAM LED CRANE FLOOD LIGHT

INCOMPARABLE HEATSINK HOUSING

High Purity Aluminum Reflectors

SPECIFICATIONS:

• Housing material: Aluminum die casting
• LED: Cree or Samsung
• Dimensions: 17.1” X 16.4”X18”
• Weight: 39 Lbs
• Bracket: 8.3”
• Color: White • 4600K - 6500K
• Wattage: 300 Watts • Lumens: 120-130 lm/Watt
• Average Life: 100,000 Hours
• Viewing Angle: 120 Degrees
• Ambient Temperature Range: -40+70C

CF300-100-277
100-277 VAC, 300 W. Medium Beam LED Crane Flood Light.

CF300-480
480 VAC, 300 W. Medium Beam LED Crane Flood Light.

CF300-250
125-250 VDC, 300 W. Medium Beam LED Crane Flood Light.
300W LED CRANE FLOOD LIGHT NARROW BEAM

SPECIFICATIONS:

- Housing material: Aluminum die casting
- LED: Cree or Samsung
- Dimensions: 17.1” X 16.4”X18”
- Weight: 39 Lbs
- Bracket: 8.3”
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 Im/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 90 Degrees
- Ambient Temperature Range: -40+70C

CF300-100-277NB
100-277 VAC, 300 W. Narrow Beam LED Crane Flood Light.

CF300-480NB
480 VAC, 300 W. Narrow Beam LED Crane Flood Light.

CF300-250NB
125-250 VDC, 300 W. Narrow Beam LED Crane Flood Light.
**SPECIFICATIONS:**

- Housing material: Aluminum die casting
- LED: Cree or Samsung
- Dimensions: 21.3” X 17.3”X23.6”
- Weight: 48 Lbs
- Bracket: 8.3”
- Color: White • 4600K - 6500K
- Wattage: 800 Watts • Luminous: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Ambient Temperature Range: -40+70C

**MODELS:**

**CF800-100-277**
100-277 VAC, 800 W. Medium Beam LED Crane Flood Light.

**CF800-480**
480 VAC, 800 W. Medium Beam LED Crane Flood Light.

**CF800-250**
125-250 VDC, 800 W. Medium Beam LED Crane Flood Light.
80W / 120W / 200W HEAVY DUTY LED TUNNEL LIGHT

These LED Tunnel flood lights are an excellent choice for applications where uniform lighting is needed in an area difficult to maintain. These LED fixtures provide low wattage, quiet operation, excellent color temperature and extremely long life. LED light sources do not contain toxic chemicals making them easier to dispose of at the end of life.

SPECIFICATIONS:

- Body material: Aluminum die casting
- Tempered sealed glass cover.
- Dimensions: 15.5” X 11.2”X3.7”
- Weight: 18.5 Lbs
- Color: White • 4600K - 6500K
- Wattage: 80 Watts • Lumens: 120-130 lm/W
- Working Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC,480VAC,125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+70C
- DC model polarity protected
- Certificates: CE,RoHS & GS,ETL
- 10 Year Warranty

80W

TL120-100-277
100-277 VAC, 120 W. Medium Beam Tunnel Light
TL120-480
480 VAC, 120 W. Medium Beam Tunnel Light
 TL120-250
125-250 VDC, 120 W. Medium Beam Tunnel Light

120W

TL200-100-277
100-277 VAC, 200 W. Medium Beam Tunnel Light
TL200-480
480 VAC, 200 W. Medium Beam Tunnel Light
TL200-250
125-250 VDC, 200 W. Medium Beam Tunnel Light
TL200-100-277NB
100-277 VAC, 200 W. Narrow Beam Tunnel Light
TL200-480NB
480 VAC, 200 W. Narrow Beam Tunnel Light
TL200-250NB
125-250 VDC, 200 W. Narrow Beam Tunnel Light

200W

TL200-100-277
100-277 VAC, 200 W. Medium Beam Tunnel Light
TL200-480
480 VAC, 200 W. Medium Beam Tunnel Light
TL200-250
125-250 VDC, 200 W. Medium Beam Tunnel Light
TL200-100-277NB
100-277 VAC, 200 W. Narrow Beam Tunnel Light
TL200-480NB
480 VAC, 200 W. Narrow Beam Tunnel Light
TL200-250NB
125-250 VDC, 200 W. Narrow Beam Tunnel Light
NEW 60W LED TUNNEL LIGHTS

60W MEDIUM BEAM LED TUNNEL LIGHT

This 60 Watt Medium Beam (120 Degrees) LED Tunnel Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

- Body material: Aluminum die casting
- Dimensions: 10.8” X 9.”X5.8”
- Weight: 11.5 Lbs
- Color: White • 4600K - 6500K
- Wattage: 60 Watts • Lumens: 120-130 lm/W
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC, 480VAC, 125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+70C
- DC model polarity protected
- Power supply: UL&CUL Listed Meanwell driver
- Certificates: ETL,CE,RoHS & GS.

NTL-60-100-277
100-277 VAC, 60 W. Medium Beam LED Tunnel Light

NTL-60-480
480 VAC, 60 W. Medium Beam LED Tunnel Light

NTL-60-250
125-250 VDC, 60 W. Medium Beam LED Tunnel Light
NEW 120W LED TUNNEL LIGHTS

120W MEDIUM BEAM LED TUNNEL LIGHT

This 120 Watt Medium Beam (120 Degrees) LED Tunnel Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

- Body material: Aluminum die casting
- Dimensions: 16.9" X 11.8" X 5.8"
- Weight: 22.5 Lbs
- Color: White • 4600K - 6500K
- Wattage: 120 Watts • Lumens: 120-130 lm/W
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC, 480VAC, 125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40°-70°C
- DC model polarity protected
- Power supply: UL&CUL Listed Meanwell driver
- Certificates: ETL, CE, RoHS & GS.

NTL120-100-277
100-277 VAC, 120 W. Medium Beam LED Tunnel Light

NTL120-480
480 VAC, 120 W. Medium Beam LED Tunnel Light

NTL120-250
125-250 VDC, 120 W. Medium Beam LED Tunnel Light
**NEW 200W LED TUNNEL LIGHTS**

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**200W MEDIUM BEAM LED TUNNEL LIGHT**

This 200 Watt Medium Beam (120 Degrees) LED Tunnel Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 100,000 hours, giving you many years of maintenance free usage.

**SPECIFICATIONS:**

- Body material: Aluminum die casting
- Dimensions: 23.6” X 14.2’X5.8’
- Weight: 31.5 Lbs
- Color: White • 4600K - 6500K
- Wattage: 200 Watts • Lumens: 120-130 lm/W
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277VAC,480VAC,125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+70°C
- DC model polarity protected
- Power supply: UL&CUL Listed Meanwell driver
- Certificates: ETL,CE,RoHS & GS.

**NTL200-100-277**

100-277 VAC, 200 W. Medium Beam LED Tunnel Light

**NTL200-480**

480 VAC, 200 W. Medium Beam LED Tunnel Light

**NTL200-250**

125-250 VDC, 200 W. Medium Beam LED Tunnel Light
**30W MEDIUM BEAM PORTABLE LED FLOODLIGHT**

**SPECIFICATIONS:**
- Housing material: Aluminum die casting
- LED: Bridgelux
- Dimensions: 9.6” X 13”X5”
- Weight: 8.9 Lbs
- Color: White • 4600K - 6500K
- Wattage: 30 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Ambient Temperature Range: -40°-70°C

**MODELS:**
- **PF-30-100-277**
  100-277 VAC, 30 W. Medium Beam LED Portable Floodlight.
- **PF-30-250**
  125-250 VDC, 30 W. Medium Beam LED Portable Floodlight.

-**MB** Magnetic Base Option
**Fixed Installation**

To adjust Beam Angle

1. Loosen the screws.  2. Tighten the screws.

---

**Portable Application**

To adjust Beam Angle

1. Loosen the screws.  2. Tighten the screws.

---

**SPECIFICATIONS:**

- Housing material: Aluminum die casting
- LED: Bridgelux
- Dimensions: 12.6" X 14.6" X 6.3"
- Weight: 11 Lbs
- Color: White • 4600K - 6500K
- Wattage: 50 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 120 Degrees
- Ambient Temperature Range: -40° to 70°C

**MODELS:**

**PF-50-100-277**
100-277 VAC, 50 W. Medium Beam LED Portable Floodlight.

**PF-50-250**
125-250 VDC, 50 W. Medium Beam LED Portable Floodlight.

-MB Magnetic Base Option
UP TO 2000W REMOTE PROJECTING LED FLOOD LIGHT

SPECIFICATIONS:

- Housing material: Aluminum die casting
- LED: Philips or Samsung
- Dimensions: 20.5" X 21"X10.4" (600W)
  - 22.25" X 25.3"X17.9" (800W)
  - 22.25" X 25.3"X17.9" (1000W)
  - 29" X 23.4"X20.5" (2000W)
- Weight: 60Lbs (600W)
  - 82Lbs (800W)
  - 89Lbs (1000W)
  - 101Lbs (2000W)
- Lumens: 120-130 lm/Watt
- Color: WW: 4000K - 6500K;
- Average Life: 100,000 Hours
- Viewing Angle: 180°
- Color Rending Index (CRI): >75
- Ambient Temperature Range: -40°+70°

FLP600-100-277
100-277 VAC, Remote Projecting 600 W. LED Floodlight.
FLP600-480
480 VAC, Remote Projecting 600 W. LED Floodlight.
FLP600-250
250 VDC, Remote Projecting 600 W. LED Floodlight.

FLP800-100-277
100-277 VAC, Remote Projecting 800 W. LED Floodlight.
FLP800-480
480 VAC, Remote Projecting 800 W. LED Floodlight.
FLP800-250
250 VDC, Remote Projecting 800 W. LED Floodlight.

FLP1000-100-277
100-277 VAC, Remote Projecting 1000 W. LED Floodlight.
FLP1000-480
480 VAC, Remote Projecting 1000 W. LED Floodlight.
FLP1000-250
250 VDC, Remote Projecting 1000 W. LED Floodlight.

FLP2000-100-277
100-277 VAC, Remote Projecting 2000 W. LED Floodlight.
FLP2000-480
480 VAC, Remote Projecting 2000 W. LED Floodlight.
FLP2000-250
**200W LED HIGH BAY LIGHT**

SPECIFICATIONS:

- Housing material: Radiating Fins Aluminum
- Housing Color: Silver/Black
- LED: Cree or Samsung
- Dimensions: 14.75''(dia) X 17.65''(H)
- Weight: 24 Lbs
- Color: White • 5500K - 6500K
- Wattage: 200 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 60° (with 60° inlay reflector).
- Ambient Temperature Range: -40°-+70°C

MODELS:

- **HB200-120-277**
  120-277 VAC, 200 W. LED Highbay Light.
- **HB200-480**
  480 VAC, 200 W. LED Highbay Light.
- **HB200-250**
  125-250 VDC, 200 W. LED Highbay Light.

* 25°, 45°, 90° Or 100° inlay reflector: Optional.
**SPECIFICATIONS:**
- Housing material: Radiating Fins Aluminum
- Housing Color: Silver/Black
- LED: Cree or Samsung
- Dimensions: 14.75’(dia) X 17.65’(H)
- Weight: 24 Lbs
- Color: White • 5500K- 6500K
- Wattage: 200 Watts • Lumens: 120-130lm/Watt
- Average Life: 80,000 Hours
- Viewing Angle: 45° (with 45°inlay reflector).
- Ambient Temperature Range: -40→70°C

**MODELS:**
- **HB200-120-277NB**
  120-277 VAC, 200 W. LED Highbay Light Narrow Beam.
- **HB200-480NB**
  480 VAC, 200 W. LED Highbay Light Narrow Beam.
- **HB200-250NB**
  125-250 VDC, 200 W. LED Highbay Light Narrow Beam.

* 25°, 60°, 90° Or 100°inlay reflector: Optional.
300W LED HIGH BAY LIGHT

SPECIFICATIONS:

- Housing material: Aluminum die casting
- Housing Color: Silver
- LED: Cree or Samsung
- Dimensions: 15"(dia) X 16.8"(H)
- Bracket Length: 8.3"
- Weight: 37 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 80,000 Hours
- Viewing Angle: 100° (with 100° reflector).
- Ambient Temperature Range: -40+70°C

MODELS:

HB300-100-277
100-277 VAC, 300 W. Medium Beam LED Highbay Light.

HB300-480
480 VAC, 300 W. Medium Beam LED Highbay Light.

HB300-250
125-250 VDC, 300 W. Medium Beam LED Highbay Light.

* 25°, 45° Or 60 ° reflector: Optional.
300W LED HIGH BAY LIGHT NARROW BEAM

SPECIFICATIONS:

- Housing material: Aluminum die casting
- Housing Color: Silver
- LED: Cree or Samsung
- Dimensions: 15”(dia) X 16.8”(H)
- Bracket Length: 8.3”
- Weight: 37 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 60° (with 60° reflector).
- Ambient Temperature Range: -40+70°C

MODELS:

HB300-100-277NB
100-277 VAC, 300 W. Narrow Beam LED Highbay Light.

HB300-480NB
480 VAC, 300 W. Narrow Beam LED Highbay Light.

HB300-250NB
125-250 VDC, 300 W. Narrow Beam LED Highbay Light.

* 25°, 90° Or 100° reflector: Optional.
300W LED HIGH BAY LIGHT 3/4" CONDUIT MOUNT

SPECIFICATIONS:

- Housing material: Aluminum Proximate Matter
- Housing Color: Silver/Black
- LED: Cree or Samsung
- Dimensions: 15.6'(dia) X 23.5'(H)
- Weight: 29 Lbs
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 45° (with 45°polished reflector).
- Ambient Temperature Range: -40°-+70°C

MODELS:

HBC300-120-277
120-277 VAC, 300 W. LED Highbay Light-Conduit Mount.

HBC300-480
480 VAC, 300 W. LED Highbay Light-Conduit Mount.

HBC300-250
125-250 VDC, 300 W. LED Highbay Light-Conduit Mount.
UFO SERIES 300W LED HIGH BAY LIGHT

SPECIFICATIONS:
- Housing material: Cold-forging Aluminum
- Housing Color: Silver/Black
- LED: Nichia or Philips
- Dimensions: 16.7" (dia) X 7.9" (H)
- Weight: 16 Lbs
- Color: White • 5500K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Average Life: 100,000 Hours
- Viewing Angle: 115°
- Ambient Temperature Range: -40° to +70°C

MODELS:
- **HBU300-120-277**
  120-277 VAC, 300 W. LED Highbay Light-UFO
- **HBU300-480**
  480 VAC, 300 W. LED Highbay Light-UFO
- **HBU300-250**
  125-250 VDC, 300 W. LED Highbay Light-UFO
300W LED SEARCHING LIGHT

SPECIFICATIONS:

- Body material: Aluminum die casting
- Body colors: Black, White, Grey.
- LEDs: CREE 48pcs
- Dimensions: 17.76" X 15.44"X22.76"
- Weight: 51 Lbs.
- Color: White • 4600K - 6500K
- Wattage: 300 Watts • Lumens: 120-130 lm/Watt
- Flash range: 400-500 meters.
- Viewing Angle: 5 Degrees
- Voltage: 100-277VAC,480VAC,125-250VDC
- IP Degree: IP65 = Dust and water jet protection
- Certificates: ETL pending, CE,RoHS & GS
- Ambient Temperature Range: -40+60°C
- Average Life: 100,000 Hours

SC-300-100-277
100-277 VAC, 300 W. LED Projector Light/ Searching Light.

SC-300-250
125-250 VDC, 300 W. LED Projector Light/ Searching Light.

SC-300-480
480 VAC, 300 W. LED Projector Light/ Searching Light.
TLX7240
Explosion Proof LED Luminaire

Tomar introduces its new addition to the TLUX LED lighting line. The TLX7240 is a Class I Division 1 LED replacement for a 150 watt incandescent light source. Operating voltage is 95 – 276 VAC.

Applications include classified areas such as oil and gas processing facilities, off-shore drilling platforms, pipeline pumping stations, and other areas where hazardous locations exist due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC.

The TLX7240 LED luminaire features a unique thermal management system to draw heat away from the LED’s. This allows for longer lamp life and more consistent light output. All electronics and LED’s are guaranteed against manufacturing defects for a full 5 years.

- Superior thermal management system
- Long-Life LED
- 5000K 70CRI neutral white light for excellent color rendering
- Energy saving – less than 40 watts of power
- Five year warranty
- NEMA 4X
- Factory Sealed
Tomar introduces its new addition to the TLUX LED lighting line. The TLX7240 is a Class I Division 1 LED replacement for a 150 watt incandescent light source. Operating voltage is 276 VAC. Applications include classified areas such as oil and gas processing facilities, off-shore drilling platforms, pipeline pumping stations, and other areas where hazardous locations exist due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC.

The TLX7240 LED luminaire features a unique thermal management system that utilizes internal cooling fins to draw heat away from the LED's. This allows for longer lamp life and more consistent light output. All electronics and LED's are guaranteed against manufacturing defects for a full 5 years.

TLX7240 EXPLOSION PROOF LED

- Superior thermal management system
- Long-Life LED
- 5000K 70CRI neutral white light for excellent color rendering
- Energy saving – less than 40 watts of power
- Five year warranty
- NEMA 4X
- Factory Sealed

**Technical Specifications**

<table>
<thead>
<tr>
<th>Mechanical</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing material</td>
<td>Corrosion resistant copper-free Aluminum alloy</td>
</tr>
<tr>
<td>Coating</td>
<td>Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection</td>
</tr>
<tr>
<td>External Hardware</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Reflectors</td>
<td>Aluminum with white finish</td>
</tr>
<tr>
<td>Size and Weight (body only)</td>
<td>11&quot; tall x 8.75&quot; dia. 16.8 lbs net</td>
</tr>
</tbody>
</table>

**Electrical**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
</tr>
<tr>
<td>Operating temperature</td>
</tr>
<tr>
<td>Power consumption</td>
</tr>
<tr>
<td>Light Output</td>
</tr>
<tr>
<td>Luminaire Efficacy</td>
</tr>
<tr>
<td>Lumen maintenance</td>
</tr>
<tr>
<td>LED life</td>
</tr>
</tbody>
</table>

**Compliances**

- CSA /US listed
- Class I, Div 1 & 2, Groups C, D
- Class II, Div 1 & 2, Groups E, F, and G
- Class III
- T6

**Standards**

- C22.2 No. 30-M1986 (R2012) - Explosion-proof enclosures for use in class I hazardous locations
- C22.2 No. 25-1966(R2014) - Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
- CSA 137-M1981 (R2014) - Electric Luminaires for Use in Hazardous Locations
- ANSI/UL 844-2012 - Luminaires for Use in Hazardous (Classified) Locations
- UL 8750(1st Ed.) - Light Emitting Diode (LED) Equipment for Use in Lighting Products
- CSA 250.13-14 Light emitting diode (LED) equipment for lighting applications

**Ordering Information**

Please see “Options and Accessories” for 1” hub ordering information (except Stanchion)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLX7240-P-W</td>
<td>Pendant ¾” hub</td>
</tr>
<tr>
<td>TLX7240-F-W</td>
<td>Flange ¼” hub</td>
</tr>
<tr>
<td>TLX7240-W-W</td>
<td>Wall ¼” hub</td>
</tr>
<tr>
<td>TLX7240-S-W</td>
<td>Stanchion 1 ½” hub</td>
</tr>
</tbody>
</table>

**Options and Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-FM-1</td>
<td>Flange mount with 1” hub</td>
</tr>
<tr>
<td>EP-PM-1</td>
<td>Pendant mount with 1” hub</td>
</tr>
<tr>
<td>EP-WM-1</td>
<td>Wall mount with 1” hub</td>
</tr>
<tr>
<td>ERSD30</td>
<td>Dome Reflector</td>
</tr>
<tr>
<td>ERA30</td>
<td>Angle Reflector</td>
</tr>
<tr>
<td>EPG</td>
<td>Lens Guard</td>
</tr>
</tbody>
</table>

![Wall Mount](image1.png)
![Pendant Mount](image2.png)
![Flange Mount](image3.png)
![Stanchion Mount](image4.png)

![EPG Lens Guard](image5.png)
![Dome Reflector](image6.png)
![Angle Reflector](image7.png)
**Specifications**

### Applications
- Mechanically rugged, high-ambient temperature rated, long-life LED high bay for lighting large interior or covered exterior spaces such as heavy industrial facilities, warehouses, and large retail stores

### General
- Direct, no-compromise, LED replacement for 400 to 1000 watt MH high bay luminaires with industry leading efficacy and lumen maintenance
- Available in 25,500 lumen, 80 lm/watt (standard) and 35,000 lumen 110+ lm/watt (high efficacy) models
- Replace 400 - 1000 MH high bay with 25 to 70% reduction in power usage and higher average lumen output
- Available up-light option to illuminate ceiling
- Field replaceable power supply with no aluminum electrolytic capacitors
- 10 year warranty

### Mechanical
- Weight: 69 lbs
- Dimensions: 23” diameter x 13.3” high
- Mounting: ¾” or 1” NPT universal pipe mount, hook mounting optional, fixture has safety lugs included
- Supplied cable length: 9’
- Housing: painted aluminum, tempered glass lens

### Electrical
- Operating Voltage: 120-277 VAC/250 VDC and 480VAC models
- Typical Power Consumption at maximum intensity:
  - Hi Efficacy, no uplights - 120VAC / 240VAC / 277 VAC – 310W / 301W / 300W
  - Hi Efficacy, with uplights – 120VAC / 240VAC / 277VAC – 353W / 343W / 342W
  - Standard, no uplights – 120VAC / 240VAC / 277VAC – 328W / 317W / 316W
  - Standard, with uplights – 120VAC / 240VAC / 277VAC – 369W / 357W / 356W
- Hi Efficacy, no uplights – 480VAC – 300W
- Hi Efficacy, with uplight – 480VAC – 342W
- Standard, no uplights – 480VAC – 316W
- Standard, with uplights – 480VAC – 356W
- Power factor: > .9
- Total Harmonics IEC 61000-3-2 < 15%
- Transient Protection: Exceeds IEEE C62.41.2-2002, standard combination wave, location category B, line-line and line-ground
- Power Supply Efficiency >91% at low rated voltage, >94% at high rated voltage

### Environmental Limits
- Operating Temperature: -40 to +75 C (-40 to +167 F)
- UL 1598 damp location rated
- IEC 60529 ingress protection rating: LED Chamber IP6X, entire luminaire IP5X

### Light Output
- Fixture output: 25,500 lumens (80 lm/watt efficacy) or 35,000 lumens (110 lm/watt)
- Lumen maintenance (L70): calculated and reported per TM-21-11:
  - Standard models (80lm/W)
    - 25C – 137,000 hours calculated, >100,000 hours reported
    - 50C – 108,000 hours calculated, >100,000 hours reported
    - 75C – 65,200 hours calculated, 65,200 hours reported
  - High Efficacy models (110lm/W)
    - 25C – 814,000 hours calculated, >72,600 hours reported
    - 50C – 332,000 hours calculated, >72,600 hours reported
    - 75C – 157,000 hours calculated, >72,600 hours reported
- CRI and CCT:
  - >70 – 5000K (neutral White)
- Available in wide and narrow output patterns
- Dimming Option:
  - No dimming
  - 0-10 V dimming, minimum light output 10% of maximum
  - Multi-Hot dimming, 33%, 67%, and 100% light output

### Standards
- UL 1598 Damp location
- CSA 22.2 No. 250.0-08
- FCC 47 CFR Part 15 Class B
### Ordering Information

<table>
<thead>
<tr>
<th>Luminaire Type</th>
<th># of LEDs</th>
<th>Pattern</th>
<th>Efficiency/ Lumen Output</th>
<th>Color Temp</th>
<th>Mounting Option</th>
<th>Housing Color</th>
<th>Voltage Option</th>
<th>Dimming Option</th>
<th>Uplight Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLB (TLUX Baylight)</td>
<td>96</td>
<td>N (narrow)</td>
<td>H (High Efficacy) 35,000 lumens 110lm/W</td>
<td>N (neutral) 5000K</td>
<td>P (univ pipe mount)</td>
<td>GR (gray)</td>
<td>(Blank) (120-277 VAC/ VDC)</td>
<td>D (0-10VDC dimming)</td>
<td>U (uplights included)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W (wide)</td>
<td>N (Standard Efficacy) 25,500 lumens 80lm/w</td>
<td></td>
<td></td>
<td></td>
<td>1 (480 VAC)</td>
<td>M (multi-hot dimming, not available with voltage option 1)</td>
<td>(Blank) (no dimming option)</td>
</tr>
</tbody>
</table>

Accessories: TLB-Hook – Fixture Mounting Hook

---

### Model No.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fixture Lumens Down</th>
<th>Power Consumption (1) Watts</th>
<th>Efficacy (1) lm/watt</th>
<th>Dimming</th>
<th>Optical Pattern</th>
<th>Input Voltage Range</th>
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<tbody>
<tr>
<td>TLB96NHNPGR</td>
<td>35,000</td>
<td>0</td>
<td>300</td>
<td>110</td>
<td>None</td>
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<td>342</td>
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(1) Power consumption and Efficacy are specified at maximum rated input voltage.  
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<td>120-277VAC/250 VDC</td>
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<tr>
<th>Region</th>
<th>Independent Sales Representatives</th>
<th>Phone Numbers</th>
<th>Email Addresses</th>
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<tr>
<td>Northern IL and WI</td>
<td>Advanced Industrial Marketing Inc.</td>
<td>Voice: 219.688.0526 Fax: 317.577.9515</td>
<td><a href="mailto:jhruskoci@comcast.net">jhruskoci@comcast.net</a></td>
</tr>
<tr>
<td>OH, WV, Western PA, Eastern KY &amp; Western NY</td>
<td>James J. Fairbanks Inc. 7342 Hubbard Bedford Rd. Hubbard, OH 44425</td>
<td>Voice: 330.534.1374 Fax: 330.534.2745</td>
<td><a href="mailto:jffstrobe@aol.com">jffstrobe@aol.com</a></td>
</tr>
<tr>
<td>Eastern &amp; Central TN, AL, GA, FL</td>
<td>Thomas Agency 2704 Commerce Square East Birmingham, AL 35210</td>
<td>Voice: 205.951.3100 Fax: 205.951.3005</td>
<td><a href="mailto:Edthomas@Thomasagency.com">Edthomas@Thomasagency.com</a></td>
</tr>
<tr>
<td>ME, NH, VT, MA, RI, CT</td>
<td>Slowe Associates 3 Grand View Terrace Quincy, MA 02170</td>
<td>Voice: 617.773.8400 Fax: 617.773.5814</td>
<td><a href="mailto:tomslowe@aol.com">tomslowe@aol.com</a></td>
</tr>
<tr>
<td>NC, SC &amp; Western VA</td>
<td>John Hutson Company 803 Floyd St. Kings Mountain, NC 28086</td>
<td>Voice: 704.730.8320 Fax: 704.730.8321</td>
<td><a href="mailto:mike@johnhutsoncompany.com">mike@johnhutsoncompany.com</a></td>
</tr>
<tr>
<td>IN &amp; Western KY</td>
<td>Advanced Industrial Marketing Inc. 11650 Olio Rd. Ste. 1000-161 Fishers, IN 46037</td>
<td>Voice: 317.439.1759 Fax: 317.577.9515</td>
<td><a href="mailto:rhruskoci@advindmktg.com">rhruskoci@advindmktg.com</a></td>
</tr>
<tr>
<td>IN &amp; Western KY</td>
<td>J. H. Green Sales Inc. 812 S Campbell Rd. Royal Oak, MI 48067</td>
<td>Voice: 248.543.1200 Fax: 248.543.1174</td>
<td><a href="mailto:art@jhgreensales.com">art@jhgreensales.com</a></td>
</tr>
<tr>
<td>TX, OK, AR, LA &amp; Western TN</td>
<td>Orr Sales Inc. 3 Misted Lilac Place The Woodlands, TX 77381</td>
<td>Voice: 713.828.8715 Fax: 832.442.4911</td>
<td><a href="mailto:bbsborr@aol.com">bbsborr@aol.com</a></td>
</tr>
<tr>
<td>MD, NJ, DE, Eastern PA &amp; Eastern VA</td>
<td>Pow-R-Motion &amp; Control, Inc. 21 Wilson Ave. West Chester, MD 19382</td>
<td>Voice: 610.696.7664 Fax: 610.430.0130</td>
<td><a href="mailto:Sales@Pow-R-Motion.com">Sales@Pow-R-Motion.com</a></td>
</tr>
<tr>
<td>Southern IL, MO &amp; IA</td>
<td>Mocker and Associates Inc. 201 Vest Ave. Valley Park, MO 63088</td>
<td>Voice: 636.227.4777 Fax: 636.227.0807</td>
<td><a href="mailto:Sales@Mocker.cc">Sales@Mocker.cc</a></td>
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