Red Sky Lighting manufactures premier harsh and hazardous location LED lighting fixtures. From food processing plants to underground mining tunnels, oil rigs to bulk carriers, petrochemical plants to steel mills, our lights are designed to keep working through the toughest environments.
Hazardous Location Lighting Basics

**Classes**
- **Class I: Gases**
  Areas in which flammable gases or vapors in the air in sufficient quantities to ignite or explode.

- **Class II: Dust**
  Areas in which combustible dust may be suspended in the air or accumulates on electrical equipment in quantities sufficient to ignite or explode.

- **Class III: Fibers**
  Areas in which easily ignitable fibers or flyings are present. Typically fibers and flyings are not suspended in the air, but can collect around machinery or on lighting fixtures.

**Divisions**
- **Division 1: Always Present**
  Areas in which ignitable concentrations of hazards exist under normal operation conditions and/or where hazard is caused by frequent maintenance or repair work or frequent equipment failure.

- **Division 2: Not Normally Present**
  Areas in which ignitable concentrations of hazards are normally in closed containers or closed systems. Hazards may be present due to accidental rupture or breakdown of such containers or systems.

**Groups**
- **Class I: Gases**
  - Group A - Acetylene
  - Group B - Hydrogen
  - Group C - Ethylene
  - Group D - Propane

- **Class II: Dusts**
  - Group E - Electrically conductive dust
  - Group F - Carbonaceous dust
  - Group G - Agricultural and polymer dust

IEC publication 60079-10 uses Zones to define the guidelines for classifying hazardous areas.

- **Zone 0** - Areas where explosive gas atmosphere is continuously present or present for long periods of time.
- **Zone 1** - Areas where explosive gas atmosphere is likely to occur in normal operation or can be expected to be present frequently.
- **Zone 2** - Areas where explosive gas atmosphere is not likely to occur and if it does, it will only be present for a short period of time.
- **Zone 20** - Areas in which a combustible dust, as a cloud, is present continuously or frequently during normal operations in sufficient quantities to produce an explosive mixture.
- **Zone 21** - Areas in which a combustible dust, as a cloud, is likely to occur during normal operations in sufficient quantities to produce an explosive mixture.
- **Zone 22** - Areas in which combustible dust, as a cloud, is not likely to occur, but may occur infrequently and persist for only short periods of time.

UL STANDARDS

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8750</td>
<td>LED safety</td>
</tr>
<tr>
<td>1598</td>
<td>Lighting fixtures approved for ordinary locations</td>
</tr>
<tr>
<td>1598A</td>
<td>Lighting approved for use on marine vessels. Salt water corrosive rated.</td>
</tr>
<tr>
<td>924</td>
<td>Emergency lighting and power equipment</td>
</tr>
<tr>
<td>844</td>
<td>Lighting fixtures for use in hazardous areas</td>
</tr>
</tbody>
</table>

INGRESS PROTECTION (IP) CODES

<table>
<thead>
<tr>
<th>First Number: Solid Objects</th>
<th>Second Number: Liquids</th>
</tr>
</thead>
<tbody>
<tr>
<td>0  – No protection</td>
<td>0 – No protection</td>
</tr>
<tr>
<td>1  – Objects greater than 50mm</td>
<td>1 – Vertically dripping</td>
</tr>
<tr>
<td>2  – Objects greater than 12.5mm</td>
<td>2 – Dripping up to 15°</td>
</tr>
<tr>
<td>3  – Objects greater than 2.5mm</td>
<td>3 – Limited spraying</td>
</tr>
<tr>
<td>4  – Objects greater than 1mm</td>
<td>4 – Splashing from all directions</td>
</tr>
<tr>
<td>5  – Dust protected</td>
<td>5 – Hosing jets from all directions</td>
</tr>
<tr>
<td>6  – Dust proof</td>
<td>6 – Strong hosing jets from all directions</td>
</tr>
<tr>
<td>7  – Temporary immersion</td>
<td>7 – Continuous immersion</td>
</tr>
<tr>
<td>9K – Steam-jet cleaning</td>
<td>8 – Continuous immersion</td>
</tr>
</tbody>
</table>

For complete Information, refer to the National Electric Code (NEC) and the National Fire Protection Association (NFPA) standards.
<table>
<thead>
<tr>
<th>ENCLOSURE TYPES</th>
<th>T - CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Fixture Use</td>
</tr>
<tr>
<td>1</td>
<td>Indoor use, limited amounts of falling dirt</td>
</tr>
<tr>
<td>2</td>
<td>Indoor use, limited amounts of falling water and dirt</td>
</tr>
<tr>
<td>3</td>
<td>Indoor or outdoor use, rain, sleet, wind blown dust, external formation of ice</td>
</tr>
<tr>
<td>3R</td>
<td>Indoor or outdoor use, rain, sleet, external formation of ice</td>
</tr>
<tr>
<td>3S</td>
<td>Indoor or outdoor use, rain, sleet, wind blown dust, external mechanisms operable when ice laden</td>
</tr>
<tr>
<td>4</td>
<td>Indoor or outdoor use, rain, sleet, wind blown dust and rain, splashing water, hose directed water, external formation of ice</td>
</tr>
<tr>
<td>4X</td>
<td>Indoor or outdoor use, rain, sleet, wind blown dust and rain, splashing water, hose directed water, corrosion, external formation of ice</td>
</tr>
<tr>
<td>5</td>
<td>Indoor use, settling airborne dust, falling dirt, non-corrosive liquids</td>
</tr>
<tr>
<td>6</td>
<td>Indoor or outdoor use, hose directed water, temporary submersion, external formation of ice</td>
</tr>
<tr>
<td>6P</td>
<td>Indoor or outdoor use, hose directed water, prolonged submersion, external formation of ice</td>
</tr>
<tr>
<td>7</td>
<td>Indoor use, Class I, Groups A, B, C, or D hazardous locations</td>
</tr>
<tr>
<td>8</td>
<td>Indoor or outdoor use, Class I, Groups A, B, C, or D hazardous locations</td>
</tr>
<tr>
<td>9</td>
<td>Indoor use, Class II, Groups E, F, or G hazardous locations</td>
</tr>
<tr>
<td>10</td>
<td>For use in mining applications</td>
</tr>
<tr>
<td>12</td>
<td>Indoor use, circulating dust, falling dirt, dripping non-corrosive liquids</td>
</tr>
<tr>
<td>12K</td>
<td>Indoor use, circulating dust, falling dirt, dripping non-corrosive liquids, provided with knockouts</td>
</tr>
<tr>
<td>13</td>
<td>Indoor use, lint, dust, spraying water, oil and non-corrosive coolant</td>
</tr>
</tbody>
</table>

**HAZARDOUS LOCATION LED LIGHTING PRODUCTS - CALL: 1 (833) 4REDSKY**

**Block Series**
- **Flood/High Bay**
  - Class I, Division 1, Groups C,D
  - Class I, Division 2, Groups A,B,C,D
  - Class II, Division 2, Groups F,G
- UL 844
- UL 1598
- UL 1598A
- UL 8750
- T6 (Class I, Division 1)
- T4A (Class I, Division 2)
- T4A (Class II, Division 2)
- -40°C to 60°C Ambient
- IP66
- Available in:
  - 80W - 10,400Lm
  - 100W - 13,000Lm
  - 150W - 19,500Lm

**Round Series**
- **Area**
  - Class I, Division 2, Groups A,B,C,D
  - Class II, Division 1, Groups E,F,G
  - Class II, Division 2, Groups F,G
- UL 844
- UL 1598
- UL 1598A
- UL 8750
- T4A (Class I, Division 2)
- T5 (Class II, Division 1)
- T5 (Class II, Division 2)
- -40°C to 55°C Ambient
- IP66
- Available in:
  - 45W - 6,750Lm
  - 65W - 9,750Lm

**Linear Series**
- **Linear**
  - Class I, Division 2, Groups A,B,C,D
  - Class II, Division 1, Groups E,F,G
  - Class II, Division 2, Groups F,G
- UL 844
- UL 1598
- UL 1598A
- UL 8750
- T3C (Class I, Division 2)
- T5 (Class II, Division 1)
- T5 (Class II, Division 2)
- -40°C to 50°C Ambient
- IP66
- Available in:
  - 40W - 5,480Lm
  - 80W - 10,960Lm

**Linear Tuff Series**
- **Linear**
  - Class I, Division 1, Groups C,D
  - Class II, Division 2, Groups A,B,C,D
  - Class II, Division 2, Groups F,G
  - UL 844
  - UL 1598
  - UL 1598A
  - UL 8750
  - T6 (Class I, Division 1)
  - T3C (Class I, Division 1)
  - T3C (Class II, Division 2)
  - -40°C to 60°C Ambient
  - IP66
  - Available in:
    - 40W - 5,000Lm
    - 80W - 10,000Lm

---

**Corporate Office:**
410 Main St
Racine, WI, 53403
Phone: 1 (833) 4REDSKY
info@redskylighting.com
www.redskylighting.com

**Manufacturing Facility:**
5301 21st St.
Racine, WI, 53406
Phone: 1 (844) 4HAZLOC
www.redskylighting.com
Block Series

Rated up to CID1, featuring 130 lumens per watt, three power options, and three available beam angles; the Block Series brings versatility, design excellence, and durability to hazardous location lighting. The Block Series is suitable when flammable gases, corrosive vapors, combustible dusts, and other hazards are present.

Certifications and Ratings

- Class I Division 1, Groups C,D
- Class I Division 2, Groups A,B,C,D
- Class II Division 2, Groups F,G
- CSA C22.2 No. 25-1966
- CSA C22.2 No. 250.0-08; 250.13-14
- UL 1598A Marine Vessels
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844 IP66

Specifications

- Voltage/Frequency: AC100-277V 50/60HZ
- Power Factor: ≥99%
- THD: <10%
- Surge Protection: 4KVA
- Ambient Temperature: -40°F to 140°F (-40°C to 60°C)
- T-Code Rating:
  - Class I Division 1 - T6
  - Class I Division 2 - T4A
  - Class II Division 2 - T4A
- Construction: Die-cast Aluminum
- Lens Material: Tempered Glass
- Hardware: Marine Grade Stainless Steel
- Finish: Thermoset Powdercoat
- Connection: 3/4” NPT
- Power: 80W 100W 150W
- Lumen Output: 9,855Lm 12,170Lm 18,715Lm
- Available Beam Angles: 25° 60° 120°
- Color Rendering Index: Ra>70
- L70: >50,000 Hours
- Warranty: LEDs: 10 Years Driver: 7 Years
### Order Information

<table>
<thead>
<tr>
<th>Fixtures</th>
<th>Wattage</th>
<th>Voltage</th>
<th>CCT</th>
<th>Beam Angle</th>
<th>Lens</th>
<th>Color</th>
<th>Mounting</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLK</td>
<td>80</td>
<td>100-277</td>
<td>5000K</td>
<td>120</td>
<td>CLR</td>
<td>GREY</td>
<td>PEND</td>
<td>H1-CID1</td>
</tr>
<tr>
<td></td>
<td>100W</td>
<td>200-480</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H2-CID2</td>
</tr>
<tr>
<td></td>
<td>150W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

- SFCB: Safety Cable Kit
- WG: Lens Wire guard
- SP1: 10kA Surge Protector

### Photometrics

- Average Beam Angle (50%): 22.10 deg
- Average Beam Angle (50%): 53.20 deg
- Average Beam Angle (50%): 115.80 deg
**Round Series**

A compact, lightweight LED fixture that packs a powerful punch. This industry favorite has 11 mounting options and produces 150 lumens per watt. Best utilized in harsh and hazardous environments for marine, power, and chemical industries.

**Certifications and Ratings**

- **Class I Division 2, Groups A,B,C,D**
- **Class II Division 1, Groups E,F,G**
- **Class II Division 2, Groups F,G**
- **Class III Division 1**
- **CSA C22.2 No. 137-M1981; 25-1966**
- **CSA C22.2 No. 250.0-08; 250.13**
- **UL 1598A Marine Vessels**
- **UL 1598 Wet Locations**
- **UL 8750 LED Safety**
- **DLC Premium**
- **UL 844**
- **IP66**

**Dimensions**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.3/262</td>
<td>6.1/155</td>
</tr>
</tbody>
</table>

Units of Measure: in/mm

**Weight**

8.8lb / 4.0kg

**Specifications**

<table>
<thead>
<tr>
<th>Voltage/Frequency</th>
<th>AC100-277V 50/60HZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Factor</td>
<td>&gt;95% @ 120V</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>4Kva</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-40°F to 131°F (-40°C to 55°C)</td>
</tr>
</tbody>
</table>

**T-Code Ratings**

- Class I Division 2 - T4A
- Class II Division 1 - T5
- Class II Division 2 - T5

**Construction**

- Die-cast Aluminum
- Tempered Glass

**Lens Material**

- Marine Grade Stainless Steel

**Hardware**

- Marine Grade Stainless Steel

**Finish**

- Thermoset Powdercoat

**Connection**

- 3/4” NPT

**Power**

- 45W
- 65W

**Lumen Output**

- 6,760Lm
- 10,030Lm

**Beam Angle**

- 110°

**Color Rendering Index**

- Ra>70

**L70**

- >50,000 Hours

**Warranty**

- LEDs: 10 Years  Driver: 7 Years
# Photometrics

![Photometric Chart](chart.png)

Average Beam Angle (50%): 113.2°

---

## Order Information

<table>
<thead>
<tr>
<th>RND</th>
<th>45</th>
<th>100-277</th>
<th>5000K</th>
<th>CLR</th>
<th>GREY</th>
<th>YOKE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixture</strong></td>
<td><strong>Wattage</strong></td>
<td><strong>Voltage</strong></td>
<td><strong>CCT</strong></td>
<td><strong>Lens</strong></td>
<td><strong>Color</strong></td>
<td><strong>Mounting</strong></td>
</tr>
<tr>
<td>45W</td>
<td>65W</td>
<td>100-277</td>
<td>5000K</td>
<td>Clear</td>
<td>Grey</td>
<td>Yoke</td>
</tr>
</tbody>
</table>

## Accessories
- SFCB: Safety Cable Kit
- WG: Lens Wire Guard
- SP1: 10kA Surge Protector

## Round Series

- Red Sky Lighting LLC
  - 410 Main Street
  - Racine, WI, 53403 USA
  - www.redskylighting.com
  - info@redskylighting.com
  - 1 (833) 4REDSKY

---

**UNIT: cd**
- C0/180, 113.2°
- C30/210, 113.1°
- C90/240, 113.7°
- C90/270, 112.8°
**Linear Series**

The Linear Series features a durable and ruggedized construction to endure environments where moisture, gases, dirt, corrosion, and vibration may be present. With its compact, low profile design, this fixture is perfect for low ceiling applications in walkways, overhangs, work and storage areas, and tunnels.

### Certifications and Ratings

- Class I Division 2, Groups A,B,C,D
- Class II Division 1, Groups E,F,G
- CSA C22.2 No. 137-M1981
- CSA C22.2 No. 250.0-08, 250.13-14
- UL 1598A Marine Vessels
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844
- IP66

### Specifications

<table>
<thead>
<tr>
<th>Class</th>
<th>Division</th>
<th>Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1</td>
<td>A,B,C,D</td>
</tr>
<tr>
<td>II</td>
<td>1</td>
<td>E,F,G</td>
</tr>
</tbody>
</table>

- **Voltage/Frequency**
  - AC100-277V 50/60HZ
  - AC200-480V 50/60HZ

<table>
<thead>
<tr>
<th>Power</th>
<th>Lumen Output</th>
<th>Beam Angle</th>
<th>Color Rendering Index</th>
<th>L70</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>5,965Lm</td>
<td>110°</td>
<td>Ra&gt;70</td>
<td>&gt;50,000 Hours</td>
<td>LEDs: 10 Years, Driver: 7 Years</td>
</tr>
<tr>
<td>80W</td>
<td>11,140Lm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Units of Measure:**

<table>
<thead>
<tr>
<th>Weight</th>
<th>40W</th>
<th>80W</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb/kg</td>
<td>11.0/5.0</td>
<td>15.2/6.9</td>
</tr>
</tbody>
</table>

**Lens Material:** Polycarbonate

**Hardware:** Marine Grade Stainless Steel

**Finish:** Thermoset Powdercoat

**Construction:** Marine Grade Extruded Aluminum Housing and Die-cast Driver Box

**Surge Protection:** 4Kva

**Ambient Temperature:** -40°F to 122°F (-40°C to 55°C)

**T-Code Rating:** T3C
Order Information

<table>
<thead>
<tr>
<th>LNR</th>
<th>40</th>
<th>100-277</th>
<th>5000K</th>
<th>CLR</th>
<th>GREY</th>
<th>PEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture</td>
<td>Wattage</td>
<td>Voltage</td>
<td>CCT</td>
<td>Lens</td>
<td>Color</td>
<td>Mounting</td>
</tr>
<tr>
<td>40W</td>
<td>100-277</td>
<td>5000K</td>
<td>Clear</td>
<td>Grey</td>
<td>Pendant</td>
<td></td>
</tr>
<tr>
<td>80W</td>
<td>200-480</td>
<td>4000K</td>
<td>Diffuse</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories
- CHAIN: Chain Mounting Kit
- CLAMP: Pipe Clamp Kit*
- SFCB: Safety Cable Kit
- SP1: 10kA Surge Protector
  *Must be ordered with yoke mounting option

Photometrics

Average Beam Angle (50%): 110.6 Deg
**Linear Tuff Series**

Bringing together energy efficiency, durability, and reliability, the Linear Tuff Series is designed to meet the most demanding harsh environments. Suitable for petrochemical facilities, drilling rigs, platforms, loading docks, mining, oil and gas refineries, tunnels, and other hazardous locations.

**Certifications and Ratings**

- Class I Division 1, Groups C,D
- Class I Division 2, Groups A,B,C,D
- CSA C22.2 No. 250.0-08, 250.13-14
- UL 1598A Marine Vessels
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844
- IP66

**Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>80W</td>
<td>8.5/215</td>
<td>4.3/108</td>
<td>45.3/1100</td>
</tr>
</tbody>
</table>

- **Weight**
  - 40W: 16.3lb/7.4kg
  - 80W: 20.5lb/9.3kg

**Specifications**

- **Voltage/Frequency**
  - AC100-277V 50/60HZ
  - AC277-480V 50/60HZ

- **Power Factor**
  - >95% @120V

- **THD**
  - ≤20%; ≤10%

- **Surge Protection**
  - 4Kva

- **Ambient Temperature**
  - -40°F to 122°F (-40°C to 50°C)

- **T-Code Ratings**
  - Class I Division 1 - T6
  - Class I Division 2 - T4A

- **Construction**
  - Marine Grade Extruded Aluminum Housing and Die-cast Driver Box

- **Lens Material**
  - Tempered Glass

- **Hardware**
  - Marine Grade Stainless Steel

- **Finish**
  - Thermoset Powdercoat

- **Connection**
  - 3/4” NPT

- **Power**
  - 40W
  - 80W

- **Lumen Output**
  - 4,805Lm
  - 9,825Lm

- **Beam Angle**
  - 110°

- **Color Rendering Index**
  - Ra>70

- **L70**
  - >50,000 Hours

- **Warranty**
  - LEDs: 10 Years
  - Driver: 7 Years
### Linear Tuff Series

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Wattage</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Color</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNT</td>
<td>40W</td>
<td>100-277</td>
<td>5000K</td>
<td>CLR</td>
<td>GREY</td>
<td>YOKE</td>
</tr>
<tr>
<td>80W</td>
<td>277-480</td>
<td>4000K</td>
<td>Clear Diffuse</td>
<td>Grey</td>
<td>Pendant</td>
<td></td>
</tr>
</tbody>
</table>

### Accessories
- CHAIN: Eye-bolt Kit
- CLAMP: Pipe Clamp Kit
- SFCB: Safety Cable Kit
- SP1: 10kA Surge Protector

### Photometrics

Average beam angle (50%): 110.6 deg
**Modular Series**

The Modular Series’ design features marine grade aluminum, polymers, and a rugged construction. Great for indoor, outdoor, commercial, harsh locations, and industrial applications. The expansive lumen range and multiple beam patterns makes it perfect for high bay, low bay, floodlighting, and general area lighting.

**Certifications and Ratings**

- UL 1598 Wet Locations
- UL 8750 LED Safety
- DLC Premium (Pending)
- IP67 Driver Enclosure
- IP68 LED Modules

**Specifications**

<table>
<thead>
<tr>
<th>Voltage/Frequency</th>
<th>AC100-277V 50/60HZ</th>
<th>AC200-480V 50/60HZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Factor</td>
<td>≥95% @ 230V</td>
<td></td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
<td></td>
</tr>
<tr>
<td>Surge Protection</td>
<td>4Kva</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°F to 122°F (-40°C to 50°C)</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>Marine Grade Extruded Anodized Aluminum</td>
<td></td>
</tr>
<tr>
<td>Lens Material</td>
<td>Polycarbonate</td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>Marine Grade Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>Finish</td>
<td>Thermoset Powdercoat</td>
<td></td>
</tr>
<tr>
<td>Connection</td>
<td>18” cord</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>50W/100W/150W/200W/300W/400W</td>
<td></td>
</tr>
<tr>
<td>Lumen Output</td>
<td>6000LM ~ 48000LM</td>
<td></td>
</tr>
<tr>
<td>Beam Angle</td>
<td>25°, 60°, 90°, 120°</td>
<td></td>
</tr>
<tr>
<td>Color Rendering Index</td>
<td>Ra≥75</td>
<td></td>
</tr>
<tr>
<td>L70</td>
<td>&gt;50,000 Hours</td>
<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>LEDs: 10 Years Driver: 7 Years</td>
<td></td>
</tr>
</tbody>
</table>

**Types**

- 50W: 6000LM
- 100W/150W: 12000LM/18000LM
- 200W: 24000LM
- 300W: 36000LM
- 400W: 48000LM
**Order Information**

<table>
<thead>
<tr>
<th>MOD</th>
<th>50</th>
<th>120-277</th>
<th>5700K</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixture</strong></td>
<td><strong>Wattage</strong></td>
<td><strong>Voltage</strong></td>
<td><strong>CCT</strong></td>
<td><strong>Beam Angle</strong></td>
</tr>
<tr>
<td>50 W</td>
<td>100 W</td>
<td>120-277</td>
<td>3000K</td>
<td>25</td>
</tr>
<tr>
<td>150 W</td>
<td>200 W</td>
<td>200-480*</td>
<td>4000K</td>
<td>60</td>
</tr>
<tr>
<td>200 W</td>
<td>300 W</td>
<td>150 W</td>
<td>5700K</td>
<td>90</td>
</tr>
<tr>
<td>300 W</td>
<td>400 W</td>
<td>200 W</td>
<td>5700K</td>
<td>120</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Chain: Eyebolt Kit
- SFCB: Safety Cable Kit
- JBOX: IP66 Wiring Junction Box

*200-480V not available for the 50W and 100W

**Dimensions**

- **50W**
  - 200mm (7.9in)
- **100W - 150W**
  - 260mm (10.2in)
  - 340mm (13.4in)
- **300W**
  - 420mm (16.5in)
- **400W**
  - 580mm (22.8in)
High Bay Hot Series

The High Bay Hot Series’ design is built for temperatures up to 80°C (176°F). The innovative vertical flow cooling fin design and driver box allows the fixture to perform in harsh, extreme heat environments such as die-cast facilities, foundries, iron forges, steel mills, power generation, factories, and chemical plants.

Certifications and Ratings

UL1598 Wet Location
UL 8750 LED Safety
CSA C22.2 No. 250.13-14

Specifications

<table>
<thead>
<tr>
<th>Power</th>
<th>150W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam Angle</td>
<td>110° 60°</td>
</tr>
<tr>
<td>Lumen Output</td>
<td>19,600Lm (110°) 17,223Lm (60°)</td>
</tr>
<tr>
<td>Efficacy</td>
<td>130Lm/W 115Lm/W</td>
</tr>
<tr>
<td>Voltage/Frequency</td>
<td>120-277v; 50/60Hz</td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥95% @ 120V</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>6KvA</td>
</tr>
<tr>
<td>Construction</td>
<td>Marine Grade Aluminum</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-4°F to 176°F (-40°C to 80°C)</td>
</tr>
<tr>
<td>Dimming</td>
<td>0-10V</td>
</tr>
<tr>
<td>Lens Material</td>
<td>Tempered Glass</td>
</tr>
<tr>
<td>Hardware</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Connection</td>
<td>3’ cord</td>
</tr>
<tr>
<td>Mounting</td>
<td>Hanging Hook (Standard)</td>
</tr>
<tr>
<td>Color Rendering Index</td>
<td>Ra&gt;70</td>
</tr>
<tr>
<td>L70</td>
<td>60,000 Hours</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 Year Fixture Warranty*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units: in/mm</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>150W</td>
</tr>
</tbody>
</table>

Weight

<table>
<thead>
<tr>
<th>Units: lbs/kgs</th>
</tr>
</thead>
<tbody>
<tr>
<td>150w</td>
</tr>
</tbody>
</table>

*Contact us for extended warranty information
**Order Information**

**High Bay Hot Series**

<table>
<thead>
<tr>
<th>HBH</th>
<th>150</th>
<th>100-277</th>
<th>5000K</th>
<th>110</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIXTURE</td>
<td>WATTAGE</td>
<td>VOLTAGE</td>
<td>CCT</td>
<td>BEAM ANGLE</td>
</tr>
<tr>
<td>150W</td>
<td>100-277V</td>
<td>5000K</td>
<td>110°</td>
<td></td>
</tr>
</tbody>
</table>

**Photometrics**

- **HBH 150W**
  - Voltage: 100-277V
  - CCT: 5000K
  - Beam Angle: 110°

**Options**

- **ALR: Aluminum Reflector**
  - *Requires aluminum reflector accessory*

**Accessories**

- **ALR: Aluminum Reflector**

---

150W Fixture shown with aluminum reflector
**Linear Lite Series**

The Linear Lite series is designed with harsh, marine, and industrial environments in mind. This durable, all metal fixture is available with a tempered glass, PC, or PMMA lens and rated up to IP66. The Linear Lite is designed to handle water, dust, corrosion, humidity, and other harsh elements with extreme ease. Suited for use in paper, manufacturing, mining, food, and chemical industries.

**Certifications and Ratings**

- UL 1598 Wet Locations
- UL 8750 LED Safety
- CSA C22.2 No. 250.13-14
- DLC (Pending)
- IP68
- IK10

**Certifications and Ratings**

- UL 1598 Wet Locations
- UL 8750 LED Safety
- CSA C22.2 No. 250.13-14
- DLC (Pending)
- IP68
- IK10

**Dimensions**

<table>
<thead>
<tr>
<th>Power</th>
<th>20W</th>
<th>36W</th>
<th>45W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.95/75</td>
<td>2.95/75</td>
<td>.95/75</td>
</tr>
<tr>
<td></td>
<td>23.6/600</td>
<td>47.2/1200</td>
<td>59.1/1500</td>
</tr>
<tr>
<td>A</td>
<td>25.4/645</td>
<td>49.0/1245</td>
<td>59.1/1500</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>20W 2.65/1.2</td>
<td>36W 4.85/2.2</td>
<td>45W 5.95/2.7</td>
</tr>
</tbody>
</table>

| Units: in/mm |

**Specifications**

<table>
<thead>
<tr>
<th>Power</th>
<th>20W</th>
<th>50W</th>
<th>60W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Output*</td>
<td>2,400Lm</td>
<td>6,000Lm</td>
<td>7,200Lm</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>60°</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td>Efficacy</td>
<td>120Lm/W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage/Frequency</td>
<td>AC120-277v 50/60Hz</td>
<td>AC347-480v 50/60Hz</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;95% @120V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surge Protection</td>
<td>4kVA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-4°F to 104°F (-20°C to 40°C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>Powdercoated Galvanized Steel Die cast Aluminum Caps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lens Material</td>
<td>Tempered Glass, PC, or PMMA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection</td>
<td>1.2M/3.9' Cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color Rendering Index</td>
<td>Ra&gt;80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L70</td>
<td>70,000 Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimming</td>
<td>0/1-10v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Year Fixture Warranty</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Option may affect lumen output

---

Red Sky Lighting LLC
410 Main Street
Racine, WI 53403 USA

info@redskylighting.com
www.redskylighting.com

1(833)-4REDSKY
## Order Information

<table>
<thead>
<tr>
<th>LNL</th>
<th>20</th>
<th>120-277</th>
<th>5000K</th>
<th>CLR</th>
<th>TG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture Wattage Voltage CCT Lens Lens Material</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20W</td>
<td>120-277v</td>
<td>5000K</td>
<td>CLR - Clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50W</td>
<td>347-480v*</td>
<td>4000K</td>
<td>DIFF - Diffuse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Accessories

<table>
<thead>
<tr>
<th>CHM: Cable Hang Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>WG: Wire Guard</td>
</tr>
</tbody>
</table>

*Contact Us for special project pricing and availability

## Photometrics

![Photometric Diagram]

Average Beam Angle (50%) : 107.7°

## Options

| Wire Guard |

---

1(833)-4REDSKY  
info@redskylighting.com  
www.redskylighting.com  
Red Sky Lighting LLC
# Tuff-Tube Series

The Tuff-Tube is perfectly suited for harsh conditions in highly polluted environments where a high level of quality lighting is needed. Rated IP69K with an IK10 shock rating, the Tuff-Tube handles water, dust, humidity, corrosion, and other harsh elements with ease. Designed for use in food processing, agricultural applications, mining, and water treatment plants.

## Dimensions

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>A (in)</th>
<th>B (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20W</td>
<td>2.95/75</td>
<td>23.6/600</td>
</tr>
<tr>
<td>36W</td>
<td>2.95/75</td>
<td>47.2/1200</td>
</tr>
<tr>
<td>45W</td>
<td>2.95/75</td>
<td>59.1/1500</td>
</tr>
</tbody>
</table>

Units: IN/MM

<table>
<thead>
<tr>
<th>Weight (lbs/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20W</td>
</tr>
<tr>
<td>36W</td>
</tr>
<tr>
<td>45W</td>
</tr>
</tbody>
</table>

Units: LBS/KGS

## Specifications

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Lumen Output* (Lm)</th>
<th>Beam Angle (°)</th>
<th>Efficacy (Lm/W)</th>
<th>Voltage/Frequency (V / Hz)</th>
<th>Power Factor</th>
<th>Surge Protection (kVar)</th>
<th>Ambient Temperature (°F / °C)</th>
<th>Construction</th>
<th>Lens Material</th>
<th>Hardware</th>
<th>Connection</th>
<th>Color Rendering Index (Ra)</th>
<th>Dimming</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>20W</td>
<td>2,700Lm</td>
<td>100</td>
<td>110Lm/W</td>
<td>AC100-277V / 50Hz</td>
<td>&gt;95% @120V</td>
<td>4KVA</td>
<td>-4°F to 104°F (-20°C to 40°C)</td>
<td>PC or PE Polymer</td>
<td>Polycarbonate or Polyethelene</td>
<td>Stainless Steel Caps and Clips</td>
<td>M20x1.5 SS316 Cable Gland</td>
<td>Ra&gt;80</td>
<td>0/1-10V</td>
<td>5 Year Fixture Warranty</td>
</tr>
<tr>
<td>36W</td>
<td>4,860Lm</td>
<td>120</td>
<td>140Lm/W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45W</td>
<td>6,075Lm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Lens option may affect lumen output

**Certifications and Ratings**

- UL1598 Wet Location
- UL 8750 LED Safety
- CSA C22.2 No. 250.13-14
- DLC (Pending)
- IP69K
- IK10

**L70**

- 75,000 Hours

**Warranty**

- 5 Year Fixture Warranty
**Order Information**

**Tuff-Tube Series**

<table>
<thead>
<tr>
<th>TFT</th>
<th>20</th>
<th>UNV</th>
<th>5000K</th>
<th>CLR</th>
<th>PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture</td>
<td>Wattage</td>
<td>Voltage</td>
<td>CCT</td>
<td>Lens</td>
<td>Material</td>
</tr>
<tr>
<td></td>
<td>20W</td>
<td>120-277V</td>
<td>5000K</td>
<td>Clear</td>
<td>PC</td>
</tr>
<tr>
<td></td>
<td>36W</td>
<td></td>
<td>4000K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>45W</td>
<td></td>
<td>3000K</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Accessories**

CHM: Cable Hang Mount
REB: Rebreather Vent

*PE Lens Material is only available in Diffuse.

**Photometrics**

Average beam angle (50%): 110.6 deg

**Options**

Cable Hang Mount
**DLK2 Industrial Conveyor**

DLK2 is designed to provide the most energy efficient way of illuminating industrial conveyors and walkways. The power consumption of less than 62W converts into a mere 5W per meter of conveyor line. The robust uni-body design is both lightweight and versatile with the flexibility to fit many industry standard spigot mount installations.

![Lighting Diagram](image)

### Dimensions

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.5/393</td>
<td>14.6/371</td>
<td>6.7/169</td>
</tr>
</tbody>
</table>

Units of Measure: in/mm

**Weight**

5.9kg / 13lbs

### Certifications and Ratings

- UL 1598 Wet Location
- UL 8750 LED Safety
- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 250.13-14
- IP66
- IK09

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage/Frequency</strong></td>
<td>90-305 VAC 47-63Hz</td>
</tr>
<tr>
<td></td>
<td>127-431 VDC 47-63Hz</td>
</tr>
<tr>
<td></td>
<td>Low Voltage: 23-27 VDC</td>
</tr>
<tr>
<td><strong>Power Factor</strong></td>
<td>≥0.95 / AC230V</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>62W</td>
</tr>
<tr>
<td><strong>Lumen Output</strong></td>
<td>6,400LM</td>
</tr>
<tr>
<td><strong>Efficacy</strong></td>
<td>103LM/W</td>
</tr>
<tr>
<td><strong>Available Optics</strong></td>
<td>Type 1, Type 3, Symmetrical</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>LM6 Aluminum Body, Polycarbonate Cover</td>
</tr>
<tr>
<td><strong>Lens Material</strong></td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Hardware</strong></td>
<td>Marine Grade Stainless Steel</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>M20x1.5 SS316 Cable Gland</td>
</tr>
<tr>
<td><strong>CCT</strong></td>
<td>Cool White: 5800-6900K</td>
</tr>
<tr>
<td></td>
<td>Warm White: 2700-3000K</td>
</tr>
<tr>
<td></td>
<td>Amber: 1800K</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-22°F to 122°F (-30°C to 50°C)</td>
</tr>
<tr>
<td><strong>CRI</strong></td>
<td>&gt;70 excluding Amber</td>
</tr>
<tr>
<td><strong>L70</strong></td>
<td>&gt;50,000 Hours</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>Standard: 3 Years; Extended: 5 Years</td>
</tr>
</tbody>
</table>

**Red Sky Lighting LLC**

410 Main Street
Racine, WI, 53403 USA

www.redskylighting.com
info@redskylighting.com
1(833)-4REDSKY

**Coolon LED Lighting**

UL Listed

**LM6 Aluminum Body**

**Polycarbonate Cover**

**Marine Grade Stainless Steel**

**M20x1.5 SS316 Cable Gland**

**POLYCARBONATE**

**C22.2 No. 250.0-08**

**C22.2 No. 250.13-14**

**IP66**

**IK09**
**Accessories**

DSKY: Dark Sky Compliant Shield*

*Available with WWT LEDs option only

**Photometric Diagrams**

- **BW1 Batwing (Type 1 Optics)**
- **BW3 Batwing (Type 3 Optics)**
- **SY1 Symmetrical Diffuser**
The CP22-Superbeam is built for the harshest environments and to endure continuous exposure to vibration and elements. Originally designed for use on railways, this marine grade navigation light is an ideal luminaire for long distance, narrow beam angle illumination with a peak intensity of >200,000 Candella.

### Certifications and Ratings

- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 250.13-14
- Marine / Wet Location
- IP66
- IK09

### Dimensions

<table>
<thead>
<tr>
<th>CP22-Superbeam</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>232mm x 211mm x 108mm</td>
<td></td>
</tr>
<tr>
<td>265mm x 213mm</td>
<td></td>
</tr>
<tr>
<td>160mm x 50mm</td>
<td></td>
</tr>
<tr>
<td>Ø12mm</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

- **Voltage/Frequency**: DC12-30V, AC100-277V*
- **Power**: 60W
- **Peak Intensity**: 214,200 Cd
- **Available Optics**: Narrow
- **Construction**: LM6 Aluminum Body, Toughened Glass Lens
- **Optic Material**: PMMA
- **Hardware**: Marine Grade Stainless Steel
- **Connection**: UL2095, 16 AWG x 2C Braid PVC
- **CCT**: 5900-6500K
- **Operating Temperature**: -22°F to 122°F (-20°C to +50°C)
- **CRI**: >70
- **L70**: >50,000 Hours
- **Warranty**: Standard: 3 Years; Extended: 5 Years

*Contact us for more information.

---

1(833)-4REDSKY  info@redskylighting.com  www.redskylighting.com
410 Main Street  Racine, WI, 53403 USA  Red Sky Lighting LLC
Order Information

CP22-Superbeam

CP22  60  12-30  FPB

Fixture  Wattage  Voltage  Mounting

60W  12-30

FPB - Fixed Bracket
MPB - Mobile Bracket

Photometrics

Narrow Optics

<table>
<thead>
<tr>
<th>Distance</th>
<th>CP22</th>
</tr>
</thead>
<tbody>
<tr>
<td>2m</td>
<td>55140</td>
</tr>
<tr>
<td>3m</td>
<td>23545</td>
</tr>
<tr>
<td>5m</td>
<td>8213</td>
</tr>
<tr>
<td>10m</td>
<td>2006</td>
</tr>
<tr>
<td>15m</td>
<td>885</td>
</tr>
<tr>
<td>20m</td>
<td>496</td>
</tr>
</tbody>
</table>

E<sub>c</sub> at Centre (Lux)  Polar Distribution

ECAT Centre (Lux)  Polar Distribution

Extra Low Voltage

24VDc IN  Steel Wire Braided Cable

White (Positive)  Black (Negative)
Corporate Office:
410 Main Street; 2nd Floor
Racine, WI 53403

Manufacturing Facility:
5301 21st St.
Racine, WI 53406

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