

# BLOCK MINI SERIES H1

LED LIGHTING FOR HAZARDOUS AREAS  
AREA & LOWBAY



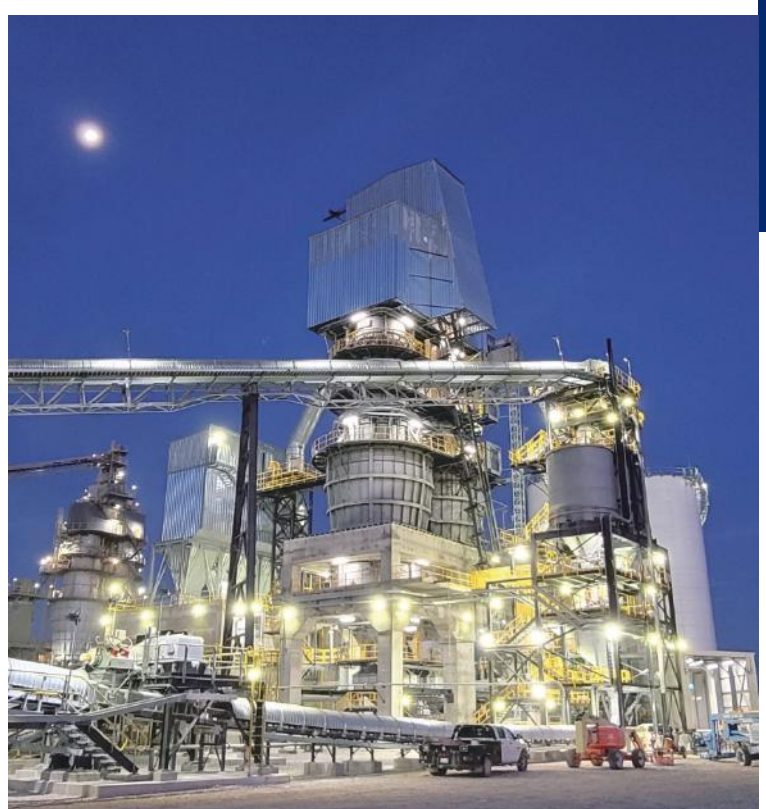
**Reliable. Durable. Efficient.**  
**3,000 to 8,100 lumen models**

**RED SKY**  
SERIOUSLY SAFE LIGHTS™

## ABOUT RED SKY LIGHTING

# PIONEERING INDUSTRIAL ILLUMINATION FOR HARSH & HAZARDOUS CONDITIONS

- A leading manufacturer of premium LED lights for demanding work conditions
- Headquartered in California, products assembled in the USA
- Servicing global clients across 4 continents in metal processing, oil & gas, marine, manufacturing
- Renowned for quality, dependability, client care and uncompromising safety standards



## WHY CHOOSE RED SKY

### 🔥 SERIOUSLY SAFE LIGHTS

- Rigorously tested in our professional labs
- Surpassing industry certifications and safety protocols
- Crafted with highest grade components for maximum durability

### 🔥 TOP-NOTCH SERVICES

- Team of experts for seamless support
- Energy audit services, lighting simulation services
- Hassle-free return policy and management

### 🔥 FAST DELIVERY

- Majority of orders delivered within 14 days
- Same day shipping for products in stock
- Real-time order tracking for full transparency

### 🔥 SUSTAINABLE SOLUTIONS

- High luminous efficacy LEDs for energy savings
- Conscious product design
- Recyclable materials for products and packaging

# BLOCK MINI SERIES



Introducing the Block Mini Series H1 from Red Sky Lighting - a compact and powerful explosion-proof LED luminaire engineered for the most hazardous locations. This versatile lighting solution meets the stringent Class 1 Division 1 standard, certifying it for use in areas where flammable gases, vapors or liquids are present under normal operating conditions.

The factory-sealed Block Mini H1 eliminates the need for external sealing fittings, simplifying installation and maintenance. Its exceptional thermal management system offers a T6 temperature rating and is engineered to perform reliably in high ambient temperatures up to 149°F, providing an impressive L70 rating of over 219,000 hours.

Compact and lightweight, the Block Mini H1 is easy to handle and install, making it ideal for applications with limited space and low mounting heights. Red Sky Lighting's smart lens choices allow you to customize the light distribution with clear, diffused, and Type 2 & 3 options.

The Block Mini Series H1 comes backed by Red Sky Lighting's 10-year warranty, underscoring the company's confidence in this cutting-edge explosion-proof luminaire engineered to the highest standards.



## BLOCK MINI SERIES

GEORGIA, USA

## FEATURES



### Factory Sealed

No external sealing fittings required in Groups B, C and D.

### Thermal Management

Safe and reliable heat transfer - Offering a T-rating of T6 (CID1)

Heat sink designed to perform in high ambient temperatures up to +149°F.

L70 >219,000 Hours@149°F

### Compact and Light Weight Design

For easy handling, especially when access to limited space with low mounting heights

## RATINGS

Class I, Division 1, Groups B, C and D;  
Class I, Division 2, Groups A, B, C and D;  
Class II, Division 1, Groups E, F and G.  
Class II Division 2, Groups F, G  
Class III  
Class I, Zone 1, Group IIB  
Class I, Zone 2, Group IIC  
Zone 21, Group IIIC  
UL 1598 Wet Locations  
UL 1598A Marine Outside Type (Salt Water)  
5G vibration  
IP66& IP67  
IK10 (PC) /IK08 (Glass)  
Salt Spray 720 hrs (ISO 9227)  
NEMA 4X

## CERTIFICATIONS

UL844  
UL1598  
UL8750  
UL 1598A  
CSA C22.2 No. 137-18  
CSA C22.2 No. 250.0  
CSA C22.2 No. 250.13  
FCC Part 15, Subpart B  
DLC Premium\*

\* Not all product variations listed on this page are DLC qualified. Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification.

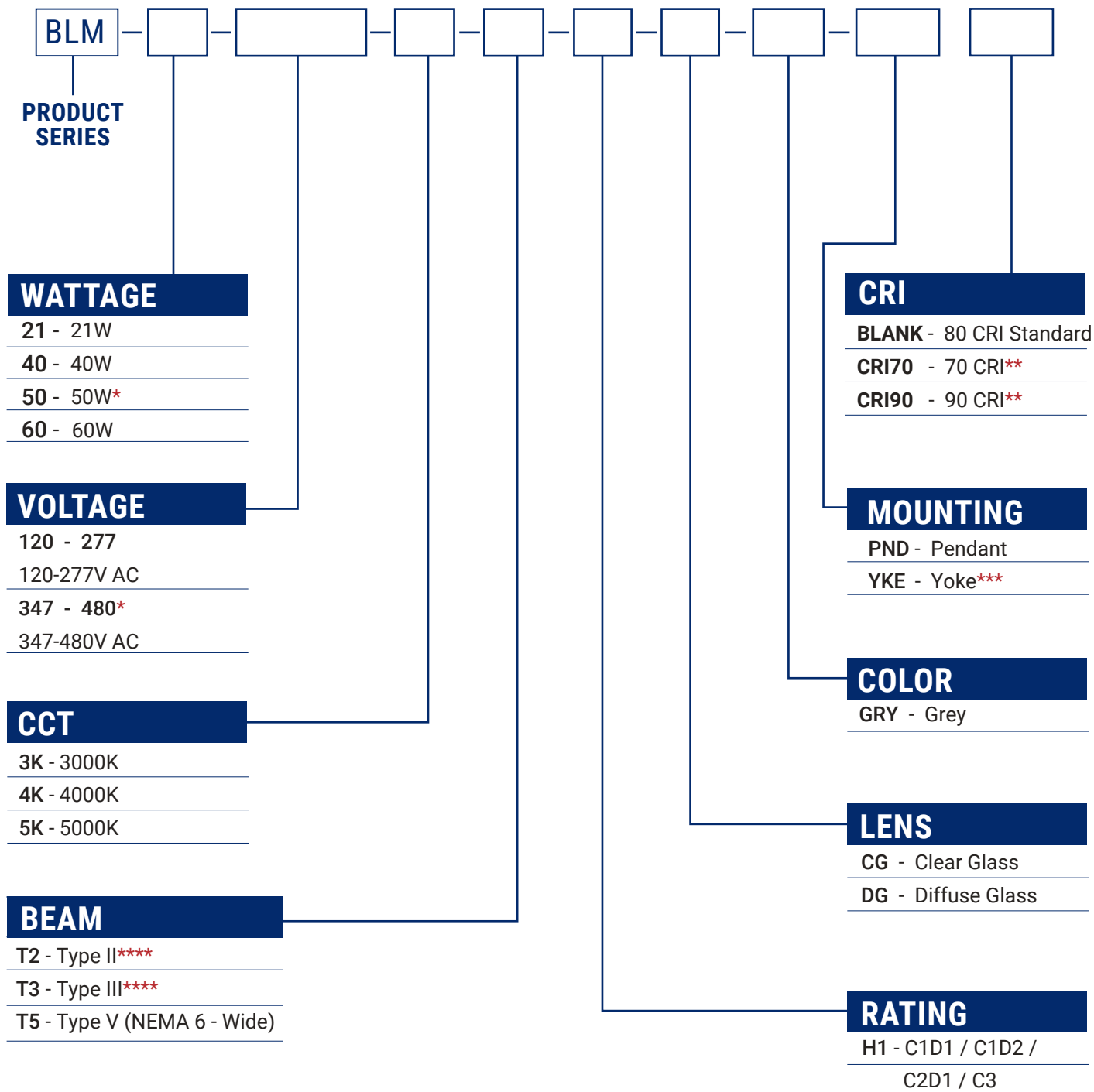
# TECHNICAL PARAMETERS

| Specification                      | BLM-H1-21                                          | BLM-H1-40     | BLM-H1-50                | BLM-H1-60                |
|------------------------------------|----------------------------------------------------|---------------|--------------------------|--------------------------|
| Electrical Parameters              |                                                    |               |                          |                          |
| Power                              | 21W                                                | 40W           | 50W                      | 60W                      |
| Rated Input Current(120V AC)       | 0.194A                                             | 0.370A        | /                        | 0.555A                   |
| Rated Input Current(277V AC)       | 0.084A                                             | 0.160A        | /                        | 0.240A                   |
| Rated Input Current(347V AC)       | /                                                  | /             | 0.160A                   | /                        |
| Rated Input Current(480V AC)       | /                                                  | /             | 0.115A                   | /                        |
| Voltage/Frequency                  | 120-277V AC                                        | 120-277V AC   | 347-480V AC              | 120-277V AC              |
| Power Factor                       | ≥0.90                                              |               |                          |                          |
| THD                                | <20%                                               |               |                          |                          |
| L70                                | 219,000 hrs@149°F                                  |               |                          | 127,000 hrs@147°F        |
| Dimming                            | 0-10V, Range 10-100%                               |               |                          |                          |
| Surge Protection                   | 10KV                                               |               |                          |                          |
| Supply Wire                        | 12-18AWG, Rated 90°C                               |               |                          |                          |
| Warranty                           | LEDs: 10 years, Driver: 7 years                    |               |                          |                          |
| Optical Parameters                 |                                                    |               |                          |                          |
| Lumen Output*                      | 2,977Lm                                            | 5,617Lm       | 6,945Lm                  | 8,100Lm                  |
| Lumen Efficacy*                    | 140Lm/W                                            |               |                          |                          |
| Available Beam Angle               | T2/T3/T5                                           |               |                          |                          |
| Correlated Color Temperature (CCT) | 3000K/4000K/5000K                                  |               |                          |                          |
| Color Rendering Index (CRI)        | 80 CRI                                             |               |                          |                          |
| Mechanical Parameters              |                                                    |               |                          |                          |
| Housing Material                   | Copper-free (< 0.4%) die-cast aluminum             |               |                          |                          |
| Hardware                           | Stainless steel 316                                |               |                          |                          |
| Lens Material                      | Tempered Glass                                     |               |                          |                          |
| Mounting Options                   | Pendant, Yoke                                      |               |                          |                          |
| Product Weight                     | 10.5lbs/4.8kg                                      | 10.8lbs/4.9kg | 11.7lbs/5.3kg            | 11.7lbs/5.3kg            |
| Package Weight                     | 12.6lbs/5.8kg                                      | 12.9lbs/5.9kg | 13.8lbs/6.3kg            | 13.8lbs/6.3kg            |
| Cable Entry                        | (1) 3/4" NPT w/3' 18/6 Leads (L/N/G,Dim+/Dim-/12V) |               |                          |                          |
| Product Dimensions(L×W×H)          | 9.7×8.3×5.1in (245×210×129mm)                      |               |                          |                          |
| Package Dimensions(L×W×H)          | 13.4×11×8.3in (340×280×210mm)                      |               |                          |                          |
| Environmental Parameters           |                                                    |               |                          |                          |
| Ambient Operating Temperature      | -40°C~+65°C(-40°F~+149°F)                          |               |                          | 64°C(147°F)              |
| T-Code Rating                      | C1D1–T6, CID2–T4A, CIID1–T6                        |               | C1D1–T6,CID2–T4,CIID1–T6 | C1D1–T5,CID2–T4,CIID1–T5 |
| EPA wind rating (FT2)              | 0.998 (Yoke)                                       |               |                          |                          |

\* Value calculated based on 5000K, 80 CRI and Clear glass ,varies to different spec.  
70 CRI & 90 CRI optional, DLC available with 70 CRI only.

# ORDERING INFORMATION

**EXAMPLE:** BLM-40-120-277-5K-T5-H1-CG-GRY-PND BLANK



\* 50W only with 347-480V AC, 347-480V AC only with 50W

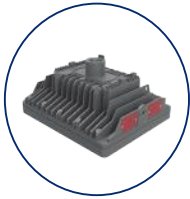
\*\* CRI 90 option – expect longer lead time

\*\*\* DLC available with 70 CRI only. Not all product variations listed on this page are DLC qualified. Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification.

\*\*\*\* BLM-YOKE Pre-installed

\*\*\*\*\* Only available with Clear Glass Option

## MOUNTING ACCESSORIES



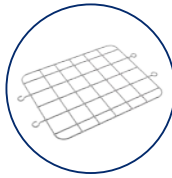
Pendant



Yoke



BLM-YOKE



BLM-WGG



SFCB02

| Mounting Method | PN       | Description                                     | MPN Code  |
|-----------------|----------|-------------------------------------------------|-----------|
| Yoke            | BLM-YOKE | Yoke Mount, SUS304, Powder-Coated Grey RAL 7037 | 310010032 |
|                 | BLM-WGG  | Wire Guard for Globe Lens, SUS304               | 310010034 |
|                 | SFCB02   | Safety Cable Kit, SUS304                        | 309050058 |
|                 | SP3      | Surge Protector, 100-277V                       | 310010029 |
|                 | SP4      | Surge Protector, 347-480V                       | 310010030 |

## REPLACEMENT PARTS (ORDERED SEPARATELY)

| Part Number           | Description                                        | MPN Code  |
|-----------------------|----------------------------------------------------|-----------|
| BLM-21-120-277-Driver | Replacement Driver Kit for BLM-21-120-277 Fixtures | 303010016 |
| BLM-40-120-277-Driver | Replacement Driver Kit for BLM-40-120-277 Fixtures | 303010017 |
| BLM-60-120-277-Driver | Replacement Driver Kit for BLM-60-120-277 Fixtures | 303010018 |
| BLM-50-347-480-Driver | Replacement Driver Kit for BLM-50-347-480 Fixtures | 303010019 |
| CG001-A-01            | Replacement Clear Glass Lens for BLM H1/BLM H2     | 303030001 |
| DG001-A-01            | Replacement Diffuse Glass Lens for BLM H1/BLM H2   | 303030002 |

| PN | Wattage (W) | CCT | CRI | Beam | Lens | Lumen Output (Lm) | Efficiency (Lm/W) |
|----|-------------|-----|-----|------|------|-------------------|-------------------|
|----|-------------|-----|-----|------|------|-------------------|-------------------|

### Voltage 100-277VAC 80 CRI • STANDARD

|                                    |    |       |    |    |               |       |     |
|------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-21-120-277-5K-T2-H1-CG-GRY-PND | 21 | 5000K | 80 | T2 | Clear Glass   | 2,983 | 133 |
| BLM-21-120-277-5K-T3-H1-CG-GRY-PND | 21 | 5000K | 80 | T3 | Clear Glass   | 2,842 | 127 |
| BLM-21-120-277-5K-T5-H1-CG-GRY-PND | 21 | 5000K | 80 | T5 | Clear Glass   | 2,977 | 137 |
| BLM-21-120-277-5K-T5-H1-DG-GRY-PND | 21 | 5000K | 80 | T5 | Diffuse Glass | 2,615 | 117 |
| BLM-40-120-277-5K-T2-H1-CG-GRY-PND | 40 | 5000K | 80 | T2 | Clear Glass   | 5,553 | 137 |
| BLM-40-120-277-5K-T3-H1-CG-GRY-PND | 40 | 5000K | 80 | T3 | Clear Glass   | 5,226 | 128 |
| BLM-40-120-277-5K-T5-H1-CG-GRY-PND | 40 | 5000K | 80 | T5 | Clear Glass   | 5,617 | 139 |
| BLM-40-120-277-5K-T5-H1-DG-GRY-PND | 40 | 5000K | 80 | T5 | Diffuse Glass | 4,915 | 121 |
| BLM-60-120-277-5K-T2-H1-CG-GRY-PND | 60 | 5000K | 80 | T2 | Clear Glass   | 8,231 | 136 |
| BLM-60-120-277-5K-T3-H1-CG-GRY-PND | 60 | 5000K | 80 | T3 | Clear Glass   | 7,752 | 129 |
| BLM-60-120-277-5K-T5-H1-CG-GRY-PND | 60 | 5000K | 80 | T5 | Clear Glass   | 8,100 | 137 |
| BLM-60-120-277-5K-T5-H1-DG-GRY-PND | 60 | 5000K | 80 | T5 | Diffuse Glass | 7,274 | 129 |

### Voltage 347-480VAC 80 CRI • STANDARD

|                                    |    |       |    |    |               |       |     |
|------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-50-347-480-5K-T2-H1-CG-GRY-PND | 50 | 5000K | 80 | T2 | Clear Glass   | 6,974 | 134 |
| BLM-50-347-480-5K-T3-H1-CG-GRY-PND | 50 | 5000K | 80 | T3 | Clear Glass   | 6,394 | 123 |
| BLM-50-347-480-5K-T5-H1-CG-GRY-PND | 50 | 5000K | 80 | T5 | Clear Glass   | 6,945 | 136 |
| BLM-50-347-480-5K-T5-H1-DG-GRY-PND | 50 | 5000K | 80 | T5 | Diffuse Glass | 6,169 | 119 |

### Voltage 100-277VAC 70 CRI

|                                          |    |       |    |    |               |       |     |
|------------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-21-120-277-5K-T2-H1-CG-GRY-PND CRI70 | 21 | 5000K | 70 | T2 | Clear Glass   | 3,364 | 156 |
| BLM-21-120-277-5K-T3-H1-CG-GRY-PND CRI70 | 21 | 5000K | 70 | T3 | Clear Glass   | 3,210 | 148 |
| BLM-21-120-277-5K-T5-H1-CG-GRY-PND CRI70 | 21 | 5000K | 70 | T5 | Clear Glass   | 3,290 | 152 |
| BLM-21-120-277-5K-T5-H1-DG-GRY-PND CRI70 | 21 | 5000K | 70 | T5 | Diffuse Glass | 2,824 | 131 |
| BLM-40-120-277-5K-T2-H1-CG-GRY-PND CRI70 | 40 | 5000K | 70 | T2 | Clear Glass   | 6,162 | 153 |
| BLM-40-120-277-5K-T3-H1-CG-GRY-PND CRI70 | 40 | 5000K | 70 | T3 | Clear Glass   | 5,991 | 149 |
| BLM-40-120-277-5K-T5-H1-CG-GRY-PND CRI70 | 40 | 5000K | 70 | T5 | Clear Glass   | 6,499 | 161 |
| BLM-40-120-277-5K-T5-H1-DG-GRY-PND CRI70 | 40 | 5000K | 70 | T5 | Diffuse Glass | 5,207 | 130 |
| BLM-60-120-277-5K-T2-H1-CG-GRY-PND CRI70 | 60 | 5000K | 70 | T2 | Clear Glass   | 8,113 | 147 |
| BLM-60-120-277-5K-T3-H1-CG-GRY-PND CRI70 | 60 | 5000K | 70 | T3 | Clear Glass   | 7,839 | 143 |
| BLM-60-120-277-5K-T5-H1-CG-GRY-PND CRI70 | 60 | 5000K | 70 | T5 | Clear Glass   | 8,514 | 154 |
| BLM-60-120-277-5K-T5-H1-DG-GRY-PND CRI70 | 60 | 5000K | 70 | T5 | Diffuse Glass | 7,132 | 122 |

### Voltage 347-480VAC 70 CRI

|                                          |    |       |    |    |               |       |     |
|------------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-50-347-480-5K-T2-H1-CG-GRY-PND CRI70 | 50 | 5000K | 80 | T2 | Clear Glass   | 6,949 | 146 |
| BLM-50-347-480-5K-T3-H1-CG-GRY-PND CRI70 | 50 | 5000K | 80 | T3 | Clear Glass   | 6,520 | 137 |
| BLM-50-347-480-5K-T5-H1-CG-GRY-PND CRI70 | 50 | 5000K | 80 | T5 | Clear Glass   | 7,179 | 151 |
| BLM-50-347-480-5K-T5-H1-DG-GRY-PND CRI70 | 50 | 5000K | 80 | T5 | Diffuse Glass | 5,881 | 124 |

This table only lists part of the model lumen parameters, if you need other model parameters, please contact our sales.  
Note: LXX# = nominal lumens. Verify lumen package before ordering.

# LUMEN TABLE

| PN | Wattage (W) | CCT | CRI | Beam | Lens | Lumen Output (Lm) | Efficiency (Lm/W) |
|----|-------------|-----|-----|------|------|-------------------|-------------------|
|----|-------------|-----|-----|------|------|-------------------|-------------------|

## Voltage 100-277VAC 90 CRI

|                                          |    |       |    |    |               |       |     |
|------------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-21-120-277-5K-T2-H1-CG-GRY-PND CRI90 | 21 | 5000K | 90 | T2 | Clear Glass   | 2,792 | 129 |
| BLM-21-120-277-5K-T3-H1-CG-GRY-PND CRI90 | 21 | 5000K | 90 | T3 | Clear Glass   | 2,664 | 123 |
| BLM-21-120-277-5K-T5-H1-CG-GRY-PND CRI90 | 21 | 5000K | 90 | T5 | Clear Glass   | 2,731 | 126 |
| BLM-21-120-277-5K-T5-H1-DG-GRY-PND CRI90 | 21 | 5000K | 90 | T5 | Diffuse Glass | 2,344 | 109 |
| BLM-40-120-277-5K-T2-H1-CG-GRY-PND CRI90 | 40 | 5000K | 90 | T2 | Clear Glass   | 5,114 | 127 |
| BLM-40-120-277-5K-T3-H1-CG-GRY-PND CRI90 | 40 | 5000K | 90 | T3 | Clear Glass   | 4,973 | 124 |
| BLM-40-120-277-5K-T5-H1-CG-GRY-PND CRI90 | 40 | 5000K | 90 | T5 | Clear Glass   | 5,394 | 134 |
| BLM-40-120-277-5K-T5-H1-DG-GRY-PND CRI90 | 40 | 5000K | 90 | T5 | Diffuse Glass | 4,322 | 108 |
| BLM-60-120-277-5K-T2-H1-CG-GRY-PND CRI90 | 60 | 5000K | 90 | T2 | Clear Glass   | 6,734 | 122 |
| BLM-60-120-277-5K-T3-H1-CG-GRY-PND CRI90 | 60 | 5000K | 90 | T3 | Clear Glass   | 6,506 | 119 |
| BLM-60-120-277-5K-T5-H1-CG-GRY-PND CRI90 | 60 | 5000K | 90 | T5 | Clear Glass   | 7,067 | 128 |
| BLM-60-120-277-5K-T5-H1-DG-GRY-PND CRI90 | 60 | 5000K | 90 | T5 | Diffuse Glass | 5,920 | 101 |

## Voltage 347-480VAC 90 CRI

|                                          |    |       |    |    |               |       |     |
|------------------------------------------|----|-------|----|----|---------------|-------|-----|
| BLM-50-347-480-5K-T2-H1-CG-GRY-PND CRI90 | 50 | 5000K | 80 | T2 | Clear Glass   | 5,767 | 121 |
| BLM-50-347-480-5K-T3-H1-CG-GRY-PND CRI90 | 50 | 5000K | 80 | T3 | Clear Glass   | 5,411 | 114 |
| BLM-50-347-480-5K-T5-H1-CG-GRY-PND CRI90 | 50 | 5000K | 80 | T5 | Clear Glass   | 5,959 | 125 |
| BLM-50-347-480-5K-T5-H1-DG-GRY-PND CRI90 | 50 | 5000K | 80 | T5 | Diffuse Glass | 4,881 | 103 |

This table only lists part of the model lumen parameters, if you need other model parameters, please contact our sales.  
Note: LXX# = nominal lumens. Verify lumen package before ordering.

## A DIRECT RETROFIT FROM HID TO LED

The BLM series LED is easy to retrofit in the same configuration as your existing HID luminaires. For example, a 60-watt Block Mini (BLM-60) delivers virtually the same illumination as its equivalent 250 watt HPS luminaire while providing 80% reduction in energy costs and up to 130,000 hours of continuous operation.

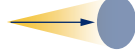
| MODELS | Lumen Output (Lm) | MH Equivalent (W) | HPS Equivalent (W) |
|--------|-------------------|-------------------|--------------------|
| BLM-21 | 2,977             | 100               | 150                |
| BLM-40 | 5,617             | 150               | 200                |
| BLM-50 | 6,945             | 175               | 225                |
| BLM-60 | 8,100             | 200               | 250                |

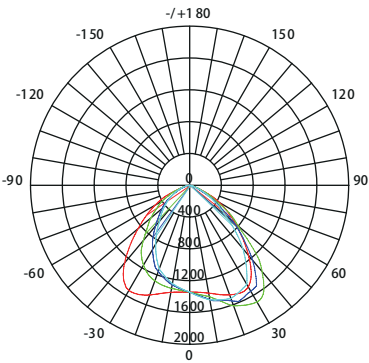
## THE RIGHT BEAM PATTERN FOR YOUR APPLICATION

RSL optic package is engineered to deliver maximum footcandles efficiently where you need them, without wasted light or overspill.

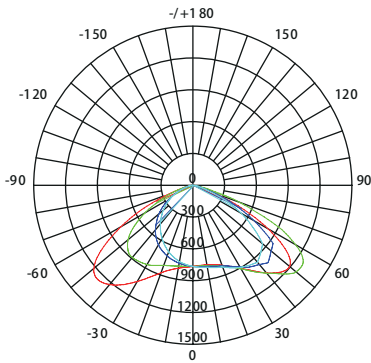
RSL offers complimentary lighting design services for our products using industry-leading AGI32 software, tailored for projects of all sizes in harsh and hazardous locations. We assist you in determining the number of fixtures needed, the types of lights to use, their optimal placement, and how to maximize energy savings—all within budget.

Simply fill out the form ( <https://dev.redskylighting.com/lighting-design> ) with a few key details, request a layout, and we'll bring your ideas to life within 2-5 business days.

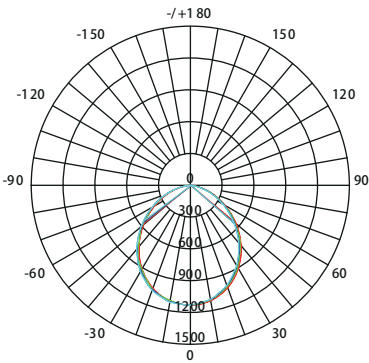
| Beam | NEMA/IESNA Type           | Beam Description                                                                                                                | Beam Projection Distance                                                              |
|------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 30°  | NEMA 3                    | Medium Narrow                                                                                                                   |  |
| 60°  | NEMA 4                    | Medium                                                                                                                          |  |
| 90°  | NEMA 5                    | Medium Wide                                                                                                                     |  |
| 120° | NEMA 6                    | Wide                                                                                                                            |  |
| T1   | Type I                    | Asymmetric distributions, well suited for narrow areas, such as Conveyor belts, Aisleways, Catwalks, Loading docks and Tunnels. |  |
| T2   | Type II                   | Asymmetric distributions, well suited for narrow areas, such as roadways, paths and driveways.                                  |  |
| T3   | Type III                  | Asymmetric distributions, well suited for site / area perimeters, wide roadways, and open areas.                                |  |
| T5   | NEMA 7<br>Type V (Square) | Very Wide: symmetrical pattern with excellent uniformity for large, open areas.                                                 |  |



Type II



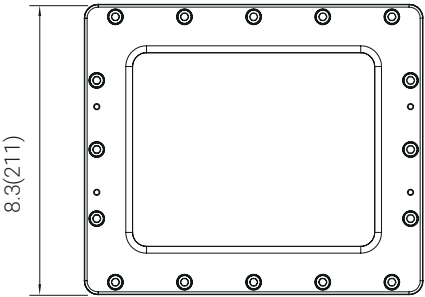
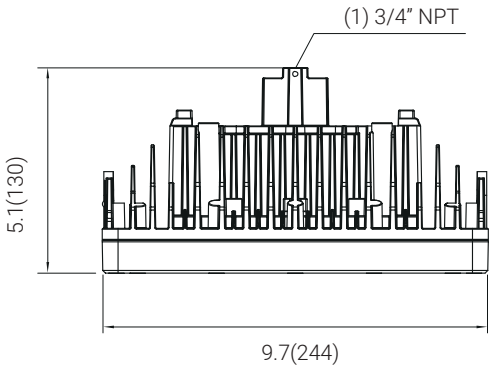
Type III



Type V (NEMA 6 - Wide)

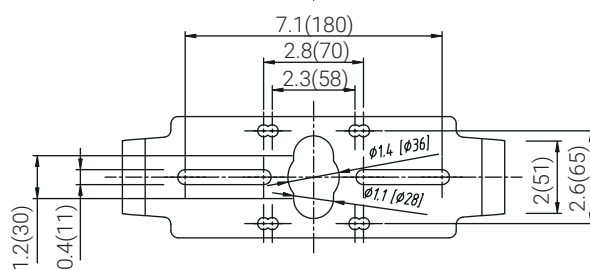
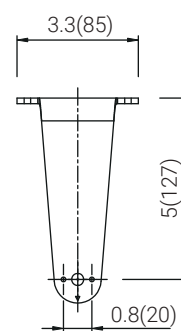
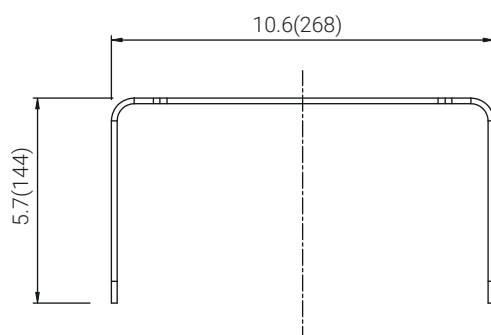
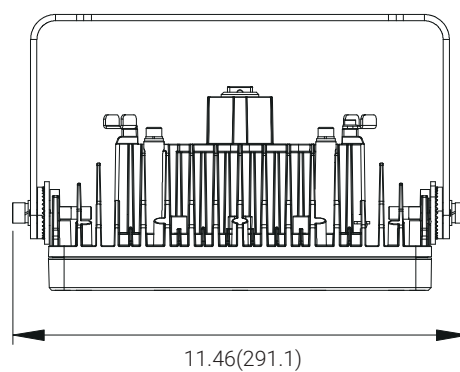
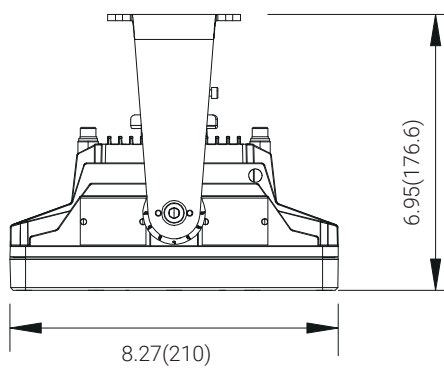
**DIMENSIONS**

unit: in(mm)



Pendant

unit: in(mm)



Yoke

# HAZARDOUS LOCATION LIGHTING BASICS

## Atmosphere Groups

| Substance                                                                                | Hazard Class                     | Division Groups      | Zone Groups       | Max. Surface Temperatures | NEC®500 CEC® | NEC®500/IEC-Group II |
|------------------------------------------------------------------------------------------|----------------------------------|----------------------|-------------------|---------------------------|--------------|----------------------|
| Acetylene                                                                                | Class I<br>Flammable<br>Gases    | Group A              | IIC               | 450°C(842°F)              | T1           | T1                   |
| Hydrogen                                                                                 |                                  | Group B              | IIC               | 300°C(572°F)              | T2           |                      |
| Ethylene                                                                                 |                                  | Group C              | IIB               | 280°C(536°F)              | T2A          | T2                   |
| Propane                                                                                  |                                  | Group D              | IIA               | 260°C(500°F)              | T2B          |                      |
| Methane                                                                                  |                                  | Group D              | IIA <sup>2</sup>  | 230°C(446°F)              | T2C          |                      |
| Combustible Metal Dusts                                                                  | Class II<br>Combustible<br>Dusts | Group E <sup>1</sup> | IIIC <sup>3</sup> | 215°C(419°F)              | T2D          |                      |
| Combustible Carbonaceous Dust                                                            |                                  | Group F              | IIIB <sup>3</sup> | 200°C(392°F)              | T3           | T3                   |
| Combustible Dusts not in Group E or F<br>(Flour, Grain, Wood, Plastics, Chemicals)       |                                  | Group G              | IIIB <sup>3</sup> | 180°C(256°F)              | T3A          |                      |
|                                                                                          |                                  |                      |                   | 165°C(329°F)              | T3B          |                      |
|                                                                                          |                                  |                      |                   | 160°C(320°F)              | T3C          |                      |
| Combustible Fibers and Flyings                                                           | Class III Fibers and Flyings     | Not Applicable       | IIIA <sup>3</sup> | 135°C(275°F)              | T4           | T4                   |
| Note 1: Group E is applicable to Class II, Division 1 only.                              |                                  |                      |                   | 120°C(248°F)              | T4A          |                      |
| Note 2: Methane is a Group IIA Gas for non-mining applications.                          |                                  |                      |                   | 100°C(212°F)              | T5           | T5                   |
| Note 3: Group IIIA, IIIB and IIIC have not been adopted by the Canadian Electrical Code. |                                  |                      |                   | 85°C(185°F)               | T6           | T6                   |

## Classification of Divisions and Zones

| Hazard Level                     | Division Scheme | Zone Scheme      | Definitions                                                                                                          |
|----------------------------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------|
| Continuous Hazard                | Division 1      | Zone 0 / Zone 20 | A place in which an explosive atmosphere is continually present                                                      |
| Intermittent Hazard              |                 | Zone 1 / Zone 21 | A place in which an explosive atmosphere is likely to occur in normal operation                                      |
| Hazard Under Abnormal Conditions | Division 2      | Zone 2 / Zone 22 | A place in which an explosive atmosphere is not likely to occur in normal operation, but may occur for short periods |

## IP Codes

| 1st No. | Solid Objects                          |
|---------|----------------------------------------|
| 0       | No protection                          |
| 1       | Objects greater than 50mm              |
| 2       | Objects greater than 12.5mm            |
| 3       | Objects greater than 2.5mm             |
| 4       | Objects greater than 1mm               |
| 5       | Dust protected                         |
| 6       | Dust proof                             |
| 2nd No. | Liquids                                |
| 0       | No protection                          |
| 1       | Vertically dripping                    |
| 2       | Dripping up to 15°                     |
| 3       | Limited spraying                       |
| 4       | Splashing from all directions          |
| 5       | Hosing jets from all directions        |
| 6       | Strong hosing jets from all directions |
| 7       | Temporary immersion                    |
| 8       | Continuous immersion                   |
| 9       | Steam-jet cleaning                     |

## IK Ratings

| IK Code | Level of Protection Achieved         |
|---------|--------------------------------------|
| IK00    | Not protected                        |
| IK01    | Protected against 0.14 joules impact |
| IK02    | Protected against 0.2 joules impact  |
| IK03    | Protected against 0.35 joules impact |
| IK04    | Protected against 0.5 joules impact  |
| IK05    | Protected against 0.7 joules impact  |
| IK06    | Protected against 1 joules impact    |
| IK07    | Protected against 2 joules impact    |
| IK08    | Protected against 5 joules impact    |
| IK09    | Protected against 10 joules impact   |
| IK10    | Protected against 20 joules impact   |



**1(262) 456-5002**  
contact@redskylighting.com  
www.redskylighting.com

**RED SKY LIGHTING LLC**  
9370 Pittsburgh Ave Rancho  
Cucamonga, CA 91730, USA

**Disclaimer**

All product information is subject to change without notice.  
Please contact Red Sky Lighting or your sales representative for the most up-to-date specifications.