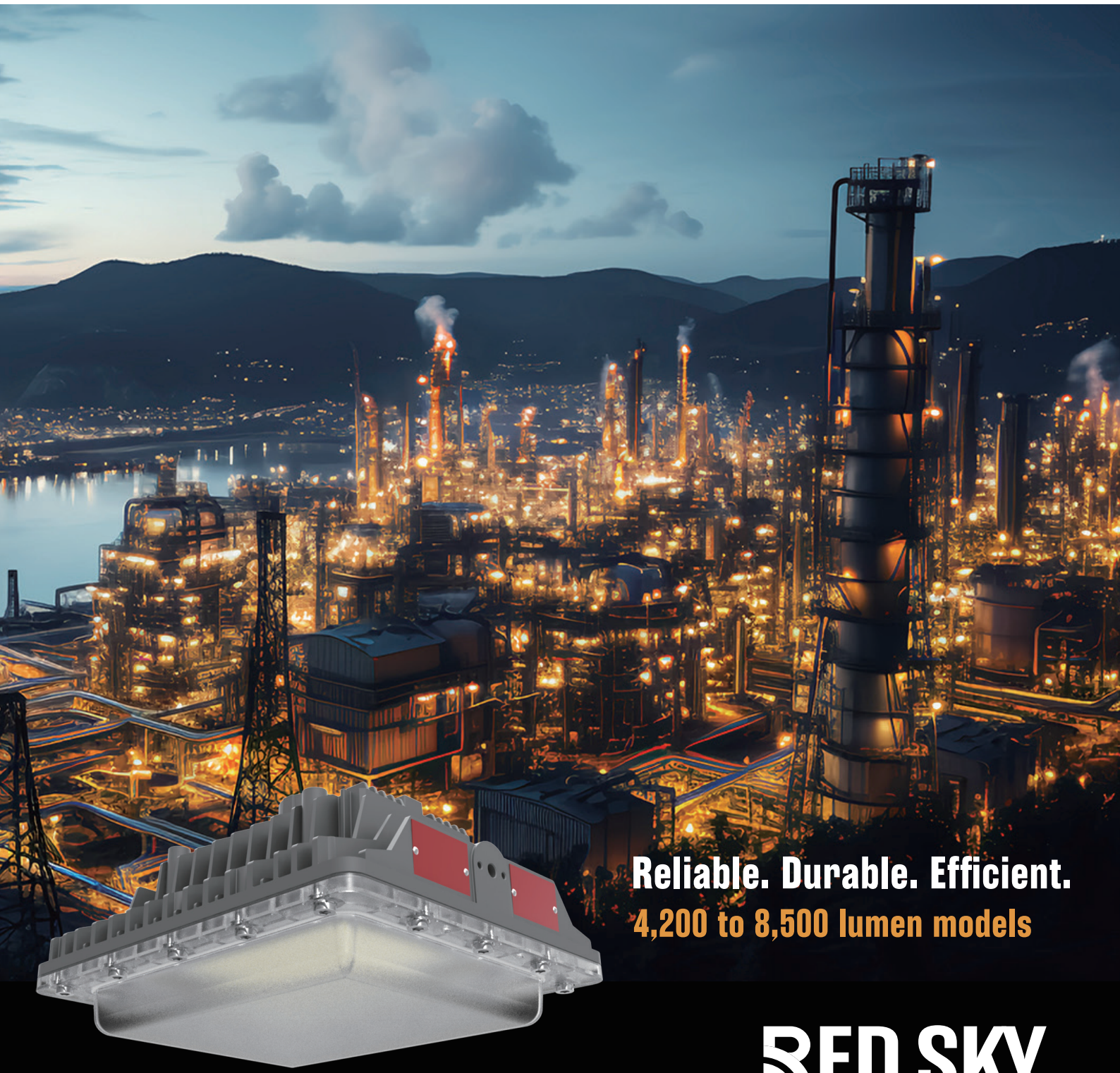
BLOCK MINI SERIES H2

LED LIGHTING FOR HARSH AND HAZARDOUS AREAS
AREA & LOWBAY



Reliable. Durable. Efficient.

4,200 to 8,500 lumen models

RED SKY

SERIOUSLY SAFE LIGHTS™

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

FAST DELIVERY

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

TOP-NOTCH SERVICES

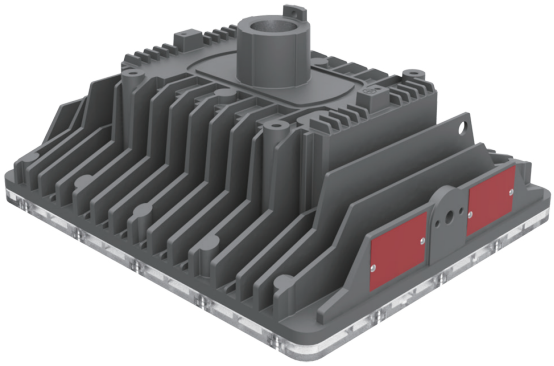
- Team of experts for seamless support
- Energy audit services, lighting simulation services
- Hassle-free return policy and management

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 H2 from Red Sky Lighting - a compact and powerful LED luminaire certified for hazardous locations up to Class 1 Division 2. Areas classified as Class 1 Division 2 have the potential for ignitable concentrations of flammable gases, vapors or liquids under abnormal operating conditions.

The factory-sealed Block Mini H2 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 130,000 hours.

Compact and lightweight, the Block Mini H2 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.

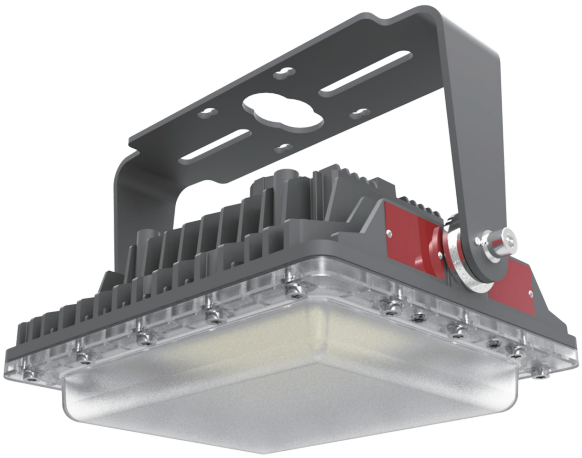
With its Class 1 Division 2 certification for hazardous locations, robust construction and intelligent thermal design, the Block Mini Series H2 delivers uncompromising performance and safety. The luminaire comes backed by Red Sky Lighting's 10-year warranty.

Experience cutting-edge LED lighting engineered to meet strict safety requirements with the Red Sky Lighting Block Mini H2. This versatile and reliable luminaire is a premier choice for Class 1 Division 2 hazardous areas.



BLOCK MINI SERIES
GRAFTON, WISCONSIN

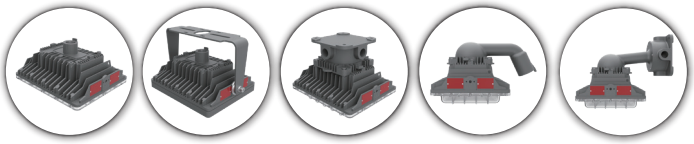
FEATURES



Thermal management
Safe and reliable heat transfer - Offering a T-rating of T6 (CIID1)
Heat sink designed to perform in high ambient temperatures up to +149°F
L70 >130,000 Hours@149°F

Compact and Lightweight Design

5 mounting options



RATINGS

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 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)

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
DLC(Pending)

TECHNICAL PARAMETERS

Specification	BLM-H2-21	BLM-H2-40	BLM-H2-50	BLM-H2-60
Electrical Parameters				
Power	21W	40W	50W	60W
Voltage	120-277V AC	120-277V AC	347-480V AC	120-277V AC
Frequency	50/60Hz			
Power Factor	>90%			
THD	<20%			
L70	130,000 Hours@149°F			
Dimming	0-10V			
Surge Protection	6KV Line-to ground			
Warranty	LEDs: 10 Years Driver: 7 Years			
Optical Parameters				
Lumen Output*	4,220Lm	6,499Lm	7,179Lm	8,514Lm
Lumen Efficacy*	162Lm/W			
Available Beam Angle	T2/T3/T5			
Correlated Color Temperature (CCT)	3000K/4000K/5000K			
Color Rendering Index (CRI)	Ra>70			
Mechanical Parameters				
Finish	Thermoset Powdercoat			
Hardware	Stainless steel 316			
Lens Material	Tempered Glass or Polycarbonate			
Mounting Options	Pendant, Yoke, Ceiling, Stanchion, Wall			
Product Weight	10.5lbs/4.8kg	10.8lbs/4.9kg	11.7lbs/5.3kg	11.7lbs/5.3kg
Cable Entry	(1) 3/4" NPT w/3' 18/6 Leads (L/N/G,Dim+/Dim-/12V)			
Product Dimensions(L×W×H)	9.7×8.3×5.6in (245×210×142 mm)			
Environmental Parameters				
Ambient Operating Temperature	-40°C~+65°C(-40°F~+149°F)			64°C(147°F)
T-Code Rating	CID2–T4A, CIID1–T6	CID2–T4, CIID1–T6	CID2–T4A, CIID1–T6	CID2–T4, CIID1–T5

* Value calculated based on 5000K and Clear Glass, varies to differrent spec.

ORDERING INFORMATION

EXAMPLE: BLM-40-120-277-5K-T5-H2-CG-GRY-PND

BLM – 40 – 120-277 – 5K – T5 – H2 – CG – GRY – PND

PRODUCT SERIES

WATTAGE

21 - 21W
40 - 40W
50 - 50W*
60 - 60W

VOLTAGE

120 - 277
120-277V AC
347 - 480*
347-480V AC

CCT

3K - 3000K
4K - 4000K
5K - 5000K

BEAM

T2 - Type II***
T3 - Type III***
T5 - Type V (NEMA 6 - Wide)

MOUNTING

PND - Pendant
YKE - Yoke**

COLOR

GRY - Grey

LENS

CG - Clear Glass
DG - Diffuse Glass
DP - Diffused Polycarbonate

RATING

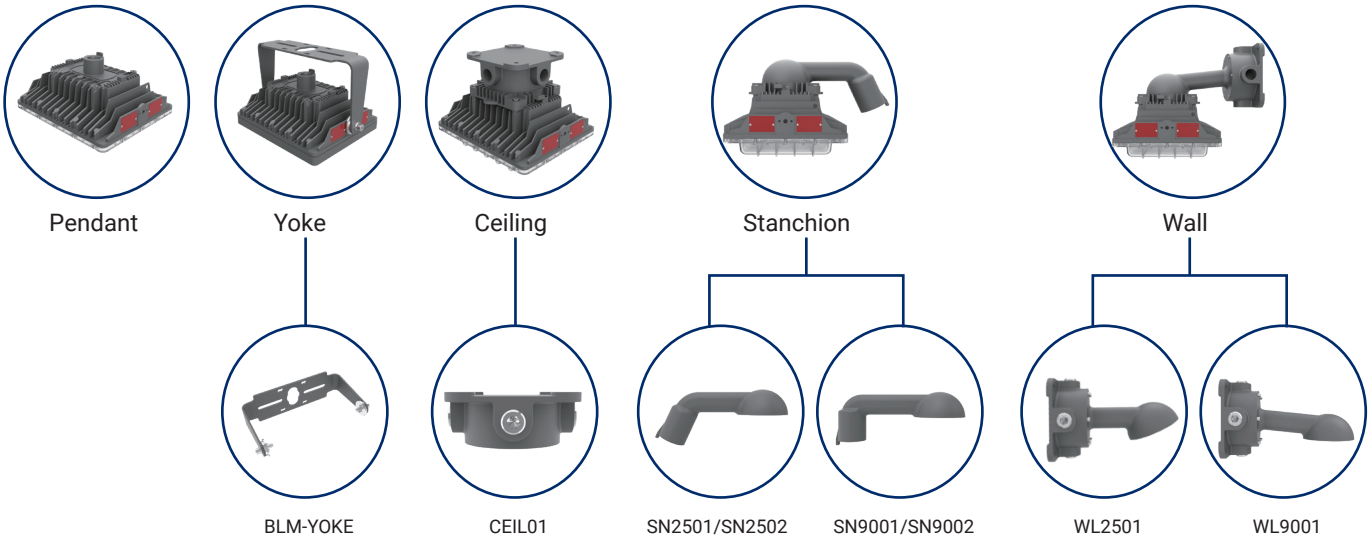
H2 - C1D2 / C2D1 / C3

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

** BLM-YOKE Pre-installed as standard

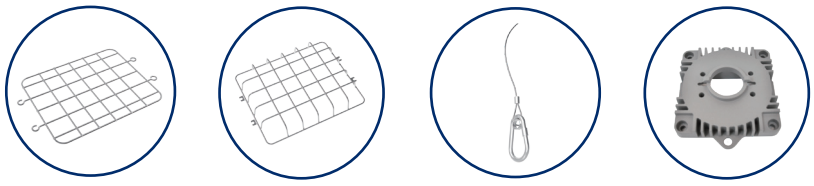
*** Only available with Clear Glass Option

MOUNTING ACCESSORIES



Mounting Method	PN	Description	MPN Code
Yoke	BLM-YOKE	YOKE Mount, BLM SERIES, SS304, Power Coated Grey RAL7037	310010032
Ceiling	CEIL01 *	Ceiling Mount, RND & BLM SERIES, Power Coated Grey RAL7037	309050009
Stanchion	SN2501 *	Stanchion Mount 25 Degree, NPT1-1/2, RND & BLM SERIES, Power Coated Grey RAL7037	309050013
	SN2502 *	Stanchion Mount 25 Degree, NPT1-1/4, BLM& RND SERIES, Power Coated Grey RAL7037	309050012
	SN9001 *	Stanchion Mount 90 Degree, NPT1-1/2, BLM& RND SERIES, Power Coated Grey RAL7037	309050015
	SN9002 *	Stanchion Mount 90 Degree, NPT1-1/4, BLM& RND SERIES, Power Coated Grey RAL7037	309050014
Wall	WL2501 *	WALL MOUNT 25 DEGREE, RND &BLM SERIES, Power Coated Grey RAL7037	309050268
	WL9001 *	WALL MOUNT 90 DEGREE, BLM & RND SERIES, Power Coated Grey RAL7037	309050011

OTHER ACCESSORIES



PN	Description	MPN Code
BLM-WGG	Wire Guard for Glass lens, BLM	310010034
BLM-WGP	Wire Guard for PC lens, BLM	310010035
SFCB02	Safety Cable Kit, RND &BLM&LNT&LNT EM SERIES, SS304	309050058
BLM-ADPT *	Mounting Adaptor, BLM	310010031
SP3	Surge Protector 100-277V, LNR&BLM SERIES	310010029
SP4	Surge Protector 347-480V, LNR&BLM SERIES	310010030

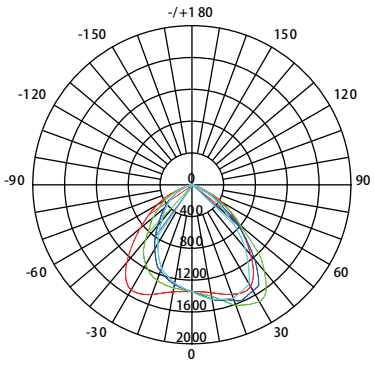
* Adapter required for mounting options: Ceiling / Stanchion / WALL except YOKE Mount

LUMEN TABLE

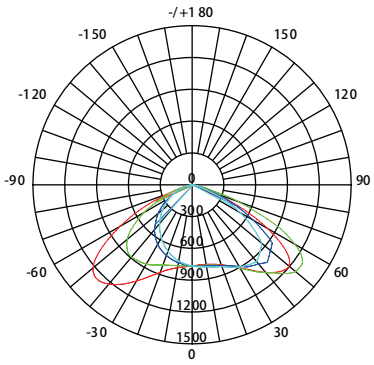
Part Number	Power (W)	CCT	Beam	Lens	Lumen Output (Lm)	Efficiency (Lm/W)
Voltage 120-277V AC						
BLM-21-120-277-5K-T2-H2-CG-GRY-PND	21	5000K	T2	Clear Glass	3,364	156
BLM-21-120-277-5K-T3-H2-CG-GRY-PND	21	5000K	T3	Clear Glass	3,210	148
BLM-21-120-277-5K-T5-H2-CG-GRY-PND	21	5000K	T5	Clear Glass	4,220	162
BLM-21-120-277-5K-T5-H2-DG-GRY-PND	21	5000K	T5	Diffuse Glass	2,824	131
BLM-40-120-277-5K-T2-H2-CG-GRY-PND	40	5000K	T2	Clear Glass	6,162	153
BLM-40-120-277-5K-T3-H2-CG-GRY-PND	40	5000K	T3	Clear Glass	5,991	149
BLM-40-120-277-5K-T5-H2-CG-GRY-PND	40	5000K	T5	Clear Glass	6,499	161
BLM-40-120-277-5K-T5-H2-DG-GRY-PND	40	5000K	T5	Diffuse Glass	5,207	130
BLM-60-120-277-5K-T2-H2-CG-GRY-PND	60	5000K	T2	Clear Glass	8,113	147
BLM-60-120-277-5K-T3-H2-CG-GRY-PND	60	5000K	T3	Clear Glass	7,839	143
BLM-60-120-277-5K-T5-H2-CG-GRY-PND	60	5000K	T5	Clear Glass	8,514	154
BLM-60-120-277-5K-T5-H2-DG-GRY-PND	60	5000K	T5	Diffuse Glass	7,132	122
Voltage 347-480V AC						
BLM-50-347-480-5K-T2-H2-CG-GRY-PND	50	5000K	T2	Clear Glass	6,949	146
BLM-50-347-480-5K-T3-H2-CG-GRY-PND	50	5000K	T3	Clear Glass	6,520	137
BLM-50-347-480-5K-T5-H2-CG-GRY-PND	50	5000K	T5	Clear Glass	7,179	151
BLM-50-347-480-5K-T5-H2-DG-GRY-PND	50	5000K	T5	Diffuse Glass	5,881	124

For additional information, please contact your sales representative.

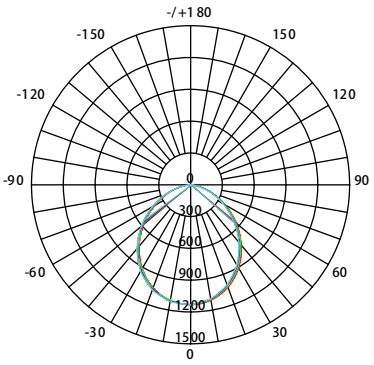
PHOTOMETRIC



Type II



Type III



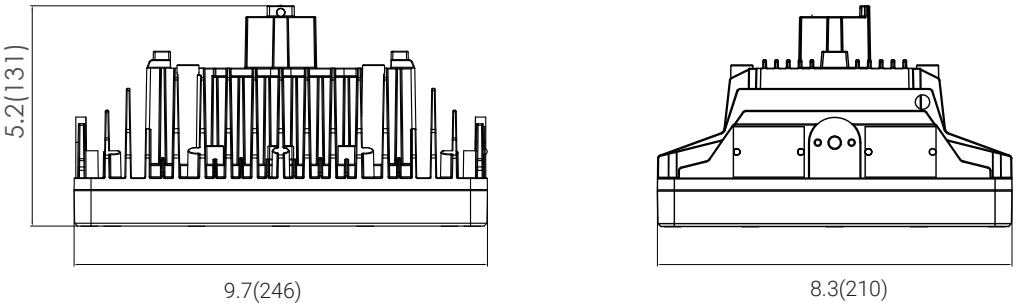
Type V (NEMA 6 - Wide)

DIMENSIONS

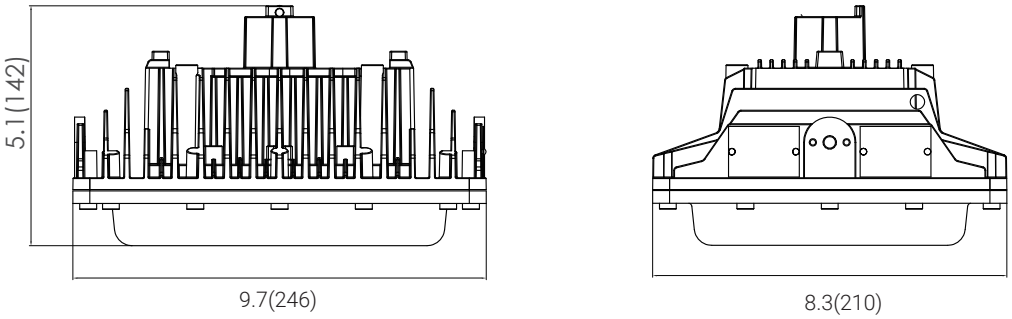
unit: in(mm)

Pendant

Tempered Glass

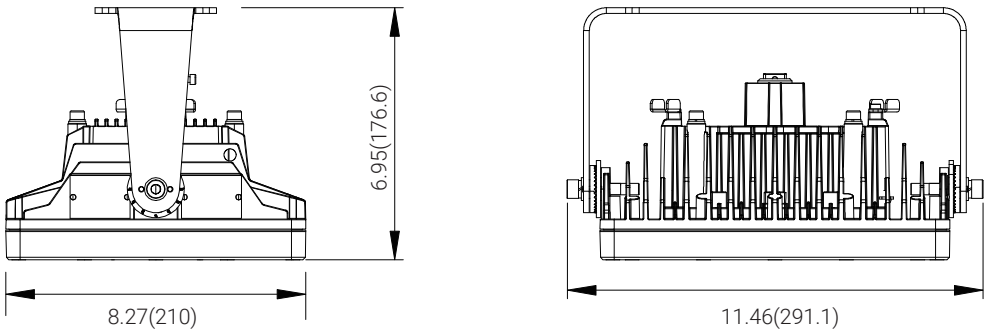


Polycarbonate

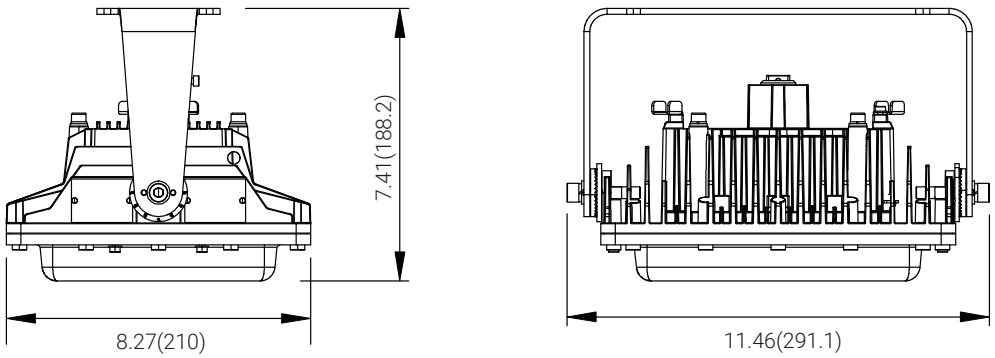


Yoke

Tempered Glass



Polycarbonate

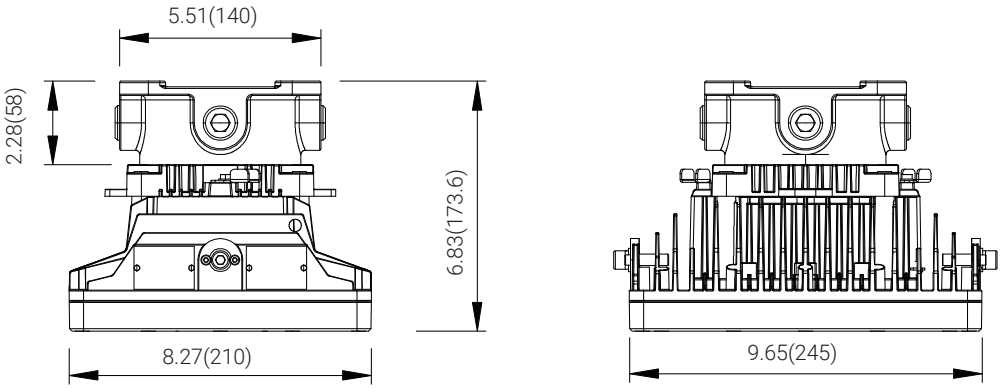


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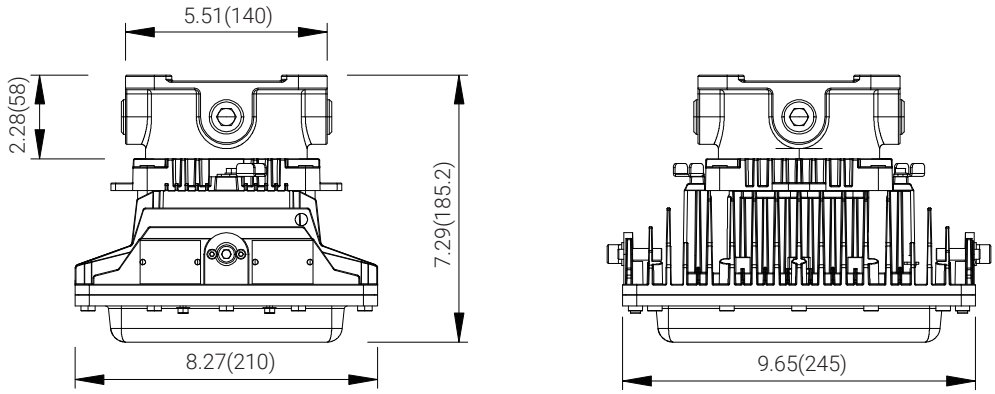
unit: in(mm)

Ceiling

Tempered Glass

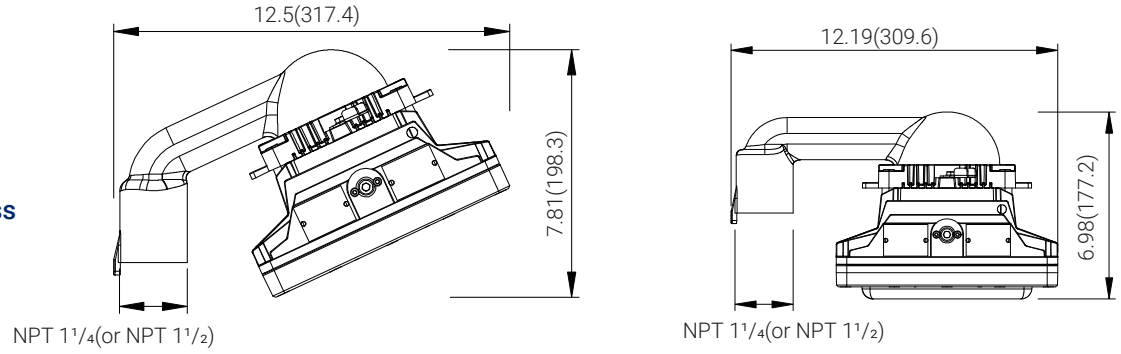


Polycarbonate

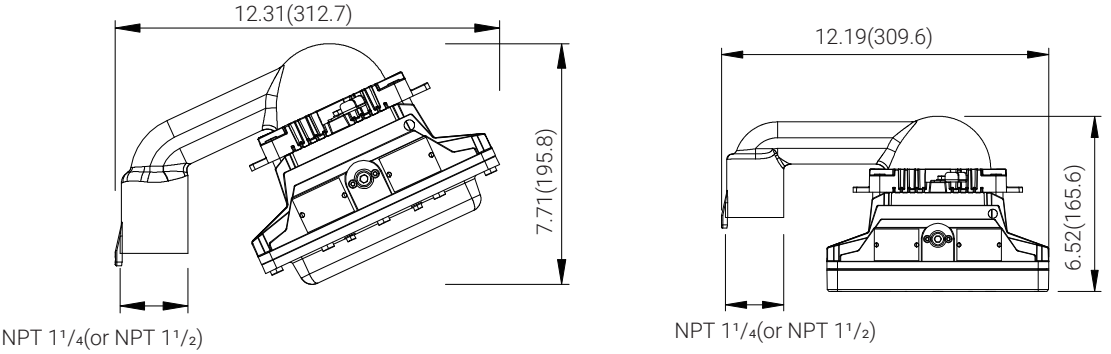


Stanchion

Tempered Glass



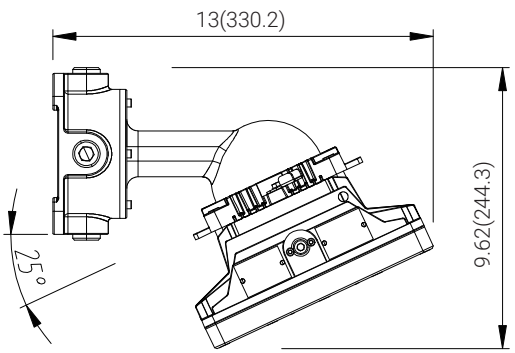
Polycarbonate

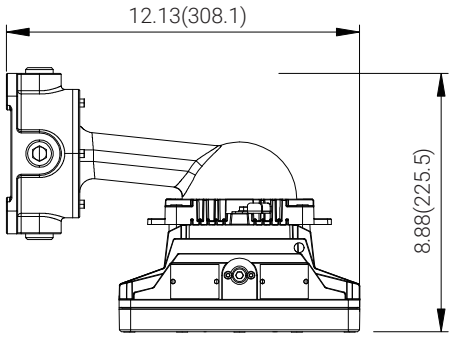


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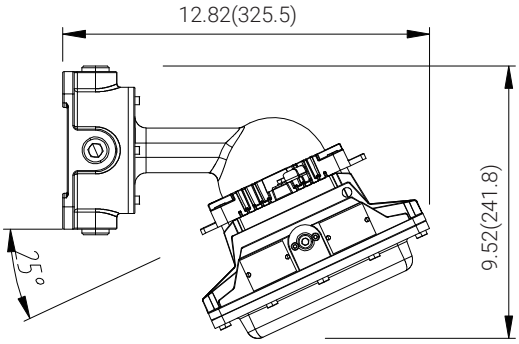
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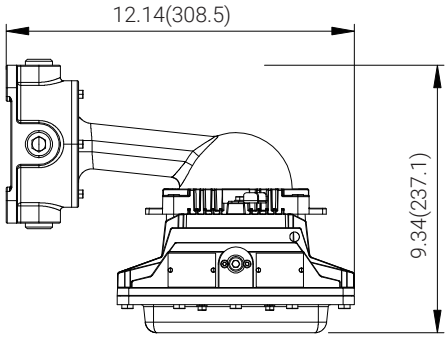
Tempered Glass





Polycarbonate





Wall

HAZARDOUS LOCATION LIGHTING BASICS

Atmosphere Groups

Substance	Hazard Class	Division Groups	Zone Groups
Acetylene	Class I Flammable Gases	Group A	IIC
Hydrogen		Group B	IIC
Ethylene		Group C	IIB
Propane		Group D	IIA
Methane		Group D	IIA[2]
Combustible Metal Dusts	Class II Combustible Dusts	Group E[1]	IIIC[3]
Combustible Carbonaceous Dust		Group F	IIIB[3]
Combustible Dusts not in Group E or F (Flour, Grain, Wood, Plastics, Chemicals)		Group G	IIIB[3]
Combustible Fibers and Flyings	Class III Fibers and Flyings	Not Applicable	IIIA[3]

Note 1: Group E is applicable to Class II, Division 1 only.

Note 2: Methane is a Group IIA Gas for non-mining applications.

Note 3: Group IIIA, IIIB and IIIC have not been adopted by the Canadian Electrical Code.

Temperature Classification

Max. Surface Temperatures	NEC®500 CEC®	NEC®500/IEC-Group II
450(842)	T1	T1
300(572)	T2	
280(536)	T2A	T2
260(500)	T2B	
230(446)	T2C	
215(419)	T2D	
200(392)	T3	T3
180(256)	T3A	
165(329)	T3B	
160(320)	T3C	
135(275)	T4	T4
120(248)	T4A	
100(212)	T5	T5
85(185)	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

RED SKY
SERIOUSLY SAFE LIGHTS™

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contact@redskylighting.com
www.redskylighting.com

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Cucamonga, CA 91730, USA

Disclaimer

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Rev.02 04/26/24