

HAZARDOUS LOCATION LIGHTING BASICS

Atmosphere Groups

Temperature Classification

Substance	Hazard Class	Division Groups	Zone Groups	Max. Surface Temperatures	NEC®500 CEC®	NEC®505/IEC-Group II
Acetylene	Class I Flammable Gases	Group A	IIC	450(842)	T1	T1
Hydrogen		Group B	IIC	300(572)	T2	
Ethylene		Group C	IIB	280(536)	T2A	T2
Propane		Group D	IIA	260(500)	T2B	
Methane		Group D	IIA ²	230(446)	T2C	
Combustible Metal Dusts	Class II Combustible Dusts	Group D	IIA ²	215(419)	T2D	T3
Combustible Carbonaceous Dust		Group E ¹	IIIC ³	200(392)	T3	
Combustible Dusts not in Group E or F (Flour, Grain, Wood, Plastics, Chemicals)		Group F	IIIB ³	180(256)	T3A	
Combustible Fibers and Flyings		Group G	IIIB ³	165(329)	T3B	
	Class III Fibers and Flyings	Not Applicable	IIIA ³	160(320)	T3C	T4
				135(275)	T4	
				120(248)	T4A	T4
				100(212)	T5	T5
				85(185)	T6	T6

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.

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
IK11	Protected against 40 joules impact



BUILT FOR HAZLOC

RED SKY

SERIOUSLY SAFE LIGHTS™



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RED SKY
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 Rev.1.5 02/26

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BLOCK MINI SERIES H1

Model No. BLM H1
Compact, Precision Optics, Versatile Mounting
Area & Low Bay

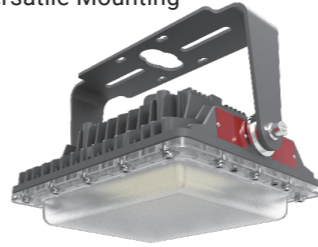


Wattage: 21W/40W/50W/60W
Lumens (Lm): 2,977/5,617/6,945/8,100
Temp.: -40°F ~ +149°F (-40°C ~ +65°C)*
Warranty: LEDs: 10 Years, Driver: 7 Years



BLOCK MINI SERIES H2

Model No. BLM H2
Compact, Precision Optics, Versatile Mounting
Area & Low Bay



Wattage: 21W/40W/50W/60W
Lumens (Lm): 2,977/5,617/6,945/8,100
Temp.: -40°F ~ +149°F (-40°C ~ +65°C)*
Warranty: LEDs: 10 Years, Driver: 7 Years

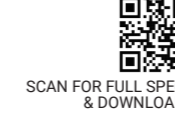


LINEAR TUFF EMERGENCY SERIES

Model No. LNT EM
Explosion-Proof, Emergency, Hazardous Location
Linear

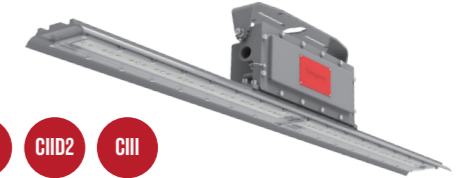


Wattage: 80W
Lumens (STD): 11,140
Lumens (EM): 869
Temp.: -4°F ~ +113°F (-20°C ~ +45°C)
Warranty: LEDs: 10 Years, Driver: 7 Years,
Battery: 5 Years



LINEAR EMERGENCY SERIES

Model No. LNR EM
Slim, Durable, Emergency Lighting
Linear



Wattage: 40W/80W
Lumens (STD): 5,857/12,291
Lumens (EM): 2,778/2,822
Temp.: 32°F ~ +122°F (0°C ~ +50°C)
Warranty: LEDs: 10 Years, Driver: 7 Years,
Battery: 3 Years



BLOCK SERIES H1

Model No. BLK2 H1
Rugged, Field-proven, Medium Output
High Bay & Flood



Wattage: 80W/100W/120W/150W
Lumens (Lm): 11,777/14,416/17,416/21,141
Temp.: -40°F ~ +140°F (-40°C ~ +60°C)
Warranty: LEDs: 10 Years, Driver: 7 Years



BLOCK SERIES H2

Model No. BLK2 H2
Rugged, Field-proven, Medium Output
High Bay & Flood



Wattage: 80W/100W/120W/150W
Lumens (Lm): 11,777/14,416/17,416/21,141
Temp.: -40°F ~ +140°F (-40°C ~ +60°C)
Warranty: LEDs: 10 Years, Driver: 7 Years

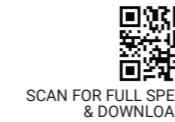


ROUND SERIES

Model No. RND2
Universal Top, Versatile Mounting, Retrofit-friendly
Area & Low Bay



Wattage: 35W/40W/45W/55W/60W/65W
Lumens (Lm): 5,048/5,617/6,532/7,982/
8,901/9,591
Temp.: -40°F ~ +140°F (-40°C ~ +60°C)
Warranty: LEDs: 10 Years, Driver: 7 Years



ROUND MAX SERIES

Model No. RDX
Universal Top, Versatile Mounting, Retrofit-friendly
Area & High Bay



Wattage: 80W/120W/150W/200W
Lumens (Lm): 12,157/17,388/21,771/26,076
Temp.: -40°F ~ +149°F (-40°C ~ +65°C)*
Warranty: LEDs: 10 Years, Driver: 7 Years



LINEAR TUFF SERIES

Model No. LNT2
Rugged, Versatile Mounting, High-Efficacy
Linear



Wattage: 30W/40W/60W/80W
Lumens (Lm): 4,245/5,592/8,972/11,875
Temp.: -40°F ~ +140°F (-40°C ~ +60°C)
Warranty: LEDs: 10 Years, Driver: 7 Years



LINEAR SERIES

Model No. LNR2
2ft & 4ft, Rugged, Versatile Mounting
Linear



Wattage: 30W/40W/60W/80W
Lumens (Lm): 4,142/5,403/8,802/11,536
Temp.: -40°F ~ +149°F (-40°C ~ +65°C)*
Warranty: LEDs: 10 Years, Driver: 7 Years



MODULAR MAX SERIES

Model No. MDX
Lightweight, Ultra-efficient, High Output
High Bay & Flood



Wattage: 90W/120W/190W/260W/310W/
380W/440W
Lumens (Lm): 15,074/19,854/29,148/37,730
47,974/59,082/66,313
Temp.: -49°F ~ +149°F (-45°C ~ +65°C)*
Warranty: Standard: 7 Years,
Extended: 10 Years



ROUND MAX EMERGENCY SERIES

Model No. RDX EM
Universal Top, High-Efficacy, Emergency
Area & Flood



Wattage (STD): 40W/50W/65W/85W/130W/160W/200W
Wattage (EM): 15W/7.5W
Lumens (STD): 6,039/7,580/9,873/12,957/19,714/
23,551/28,654
Lumens (EM): 3,000@90mins/1,500@180mins
Temp.: -32°F ~ +140°F (0 ~ +60°C)*
Warranty: Fixture: 5 years, Battery: 3 years



*Ambient temperature varies by configuration

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