

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

Max. Surface Temperatures	NEC®500 CEC®	NEC®505/IEC-Group II
450(842)	T1	T1
300(572)	T2	
280(536)	T2A	
260(500)	T2B	T2
230(446)	T2C	
215(419)	T2D	
200(392)	T3	
180(256)	T3A	T3
165(329)	T3B	
160(320)	T3C	
135(275)	T4	T4
120(248)	T4A	
100(212)	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
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™



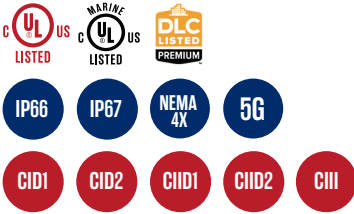
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HAZARDOUS ENVIRONMENTS

BLOCK MINI SERIES H1

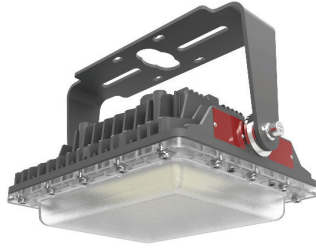
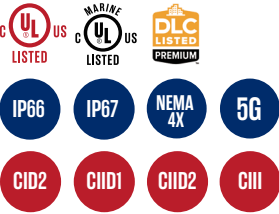
Model No. BLM H1
Compact, Precision Optics, Versatile Mounting
Area & Low Bay



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

BLOCK MINI SERIES H2

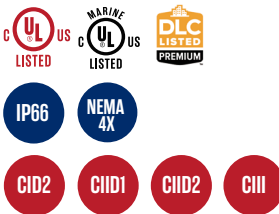
Model No. BLM H2
Compact, Precision Optics, Versatile Mounting
Area & Low Bay



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

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 to 140°F (-40°C to 60°C)
Warranty: LED: 10 yrs / Driver: 7 yrs

LINEAR TUFF EMERGENCY SERIES

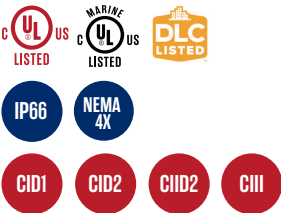
Model No. LNT EM
Explosion-Proof, Emergency, Hazardous Location
Linear



Wattage: 80W
Lumens (Standard): 11,140
Lumens (Emergency): 869
Temp: -4°F to 113°F (-20°C to 45°C)
Warranty: LED: 10 yrs / Driver: 7 yrs / Battery: 5 yrs

BLOCK SERIES H1

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



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

BLOCK SERIES H2

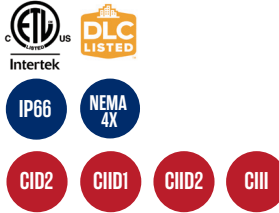
Model No. BLK2 H2
Rugged, Field-proven, Medium Output
Flood & High Bay



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

ROUND MAX SERIES

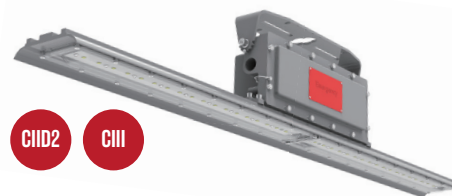
Model No. RDX
Universal Top, Versatile Mounting, Retrofit-friendly
Area & High Bay



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

LINEAR EMERGENCY SERIES

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



Wattage: 40W/80W
Lumens (Standard): 5,857/12,291
Lumens (Emergency): 2,778/2,822
Temp: 32°F to 122°F (0°C to 50°C)
Warranty: LED: 10 yrs / Driver: 7 yrs / Battery: 3 yrs

LINEAR TUFF SERIES

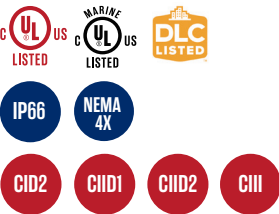
Model No. LNT2
Rugged, Versatile Mounting, High-Efficacy
Linear



Wattage: 30W/40W/60W/80W
Lumens (Lm): 4,245/5,592/8,972/11,875
Temp: -40°F to 140°F (-40°C to 60°C)
Warranty: LED: 10 yrs / Driver: 7 yrs

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 to 149°F (-40°C to 65°C)*
Warranty: LED: 10 yrs / Driver: 7 yrs

MODULAR MAX SERIES

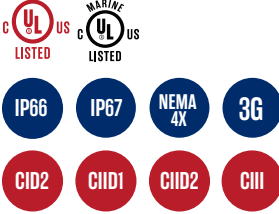
Model No. MDX
Lightweight, Ultra Efficient, High Output
Flood & High Bay



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 to 149°F (-45°C to 65°C)
Warranty: Standard: 10 yrs / Extended: 7 yrs*

ROUND MAX EMERGENCY SERIES

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



Wattage: 40W/50W/65W/85W/130W/160W/200W
Lumens (Lm): 6,039/7,580/9,873/12,957/19,714/23,551/28,654
Temp: -32°F to 140°F (0°C to 60°C)
Warranty: Fixture: 5 yrs / Battery: 3 yrs*

*Ambient temperature varies by configuration

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