

The background of the image shows an industrial facility, possibly a refinery or chemical plant, at night. Large, insulated pipes and structural steel are visible, illuminated by artificial lights. A prominent red diagonal graphic cuts across the lower half of the image, creating a sharp contrast with the dark background and the industrial scene.

HAZARDOUS LOCATION LIGHTING

AimLite

YOUR TRUSTED PARTNER



ABOUT US

AimLite has always been a pioneer in emergency lighting and have been carrying a wide emergency lighting product offering especially designed to work in hazardous environments. Today, AimLite is capitalizing on its expertise and expanding its indoor and outdoor general lighting offering by introducing new hazardous fixtures, High Bays, Vapour Tights and Flood lights which are also designed and tested to operate in hazardous applications

Our ISO/IEC 17025 certified laboratory is qualified by CSA International under the CPC (Certification by Category) program which allows us to conduct safety and performance evaluations and to perform over 100 different tests on our products. This allows AimLite to certify new custom products quickly and launch to the market.

AimLite's target is to maintain and improve its quality through programs that enable employees to do their job right the first time and use the best suppliers that share these same values.

Our team consists of some of the most knowledgeable and recognizable people in the Canadian emergency and lighting industry.

NEW PRODUCT DEVELOPMENT

Our engineering and marketing team is composed of specialists ranging from a variety of technical backgrounds which allows us to develop a multitude of new products to meet today's market needs and requirements. Our focus is to design innovative products at a competitive price to set ourselves ahead of our competition while maintaining industry standards such as long life and energy efficiency.

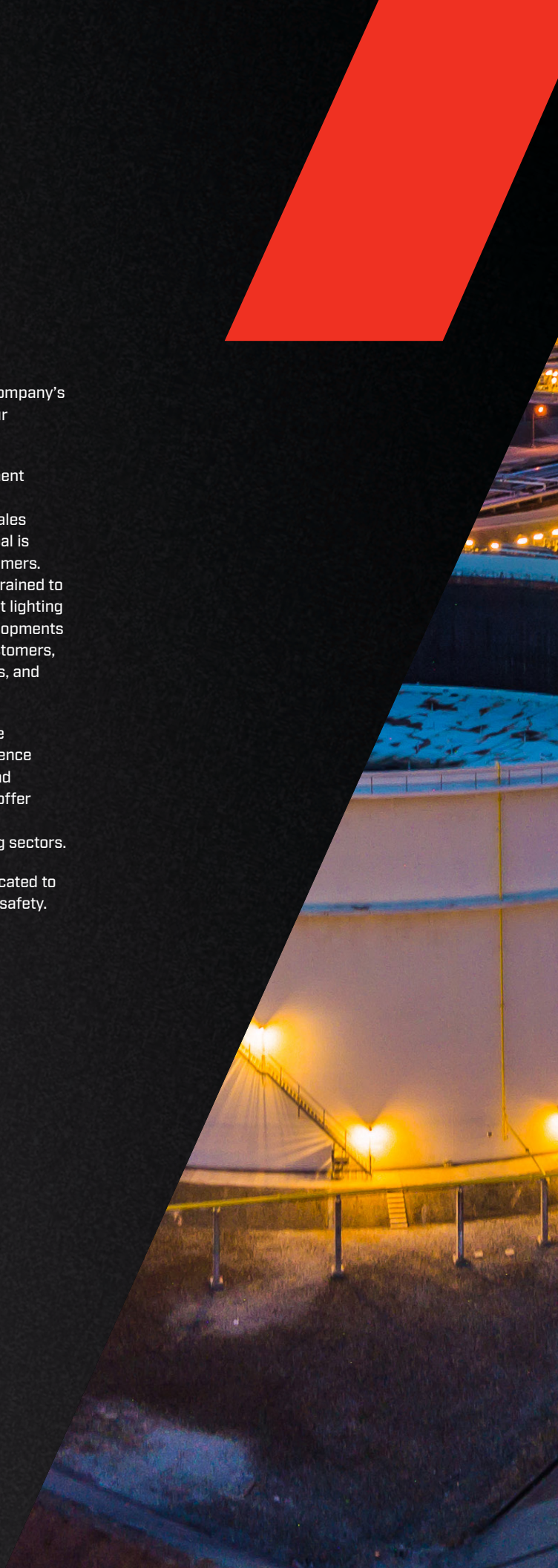
CUSTOMER SATISFACTION

Customer satisfaction is the company's main priority: we want to be our customers' preferred supplier.

Our customer service department is comprised of highly trained, knowledgeable and bilingual sales representatives whose only goal is to meet the needs of the customers. Sales staffs are continuously trained to keep them abreast of the latest lighting trends, technologies and developments so they may actively serve customers, resolve issues, initiate changes, and teach co-workers.

Our technicians have extensive academic and practical experience with degrees in engineering and administration, allowing us to offer technical support in the retail, distribution and manufacturing sectors.

AimLite's management is dedicated to its customers, employees and safety.





WHAT ARE HAZARDOUS LOCATIONS?

A hazardous area (also known as a potentially explosive atmosphere) is an environment that consists of air containing any concentrations of flammable gases, vapors, mists, liquids, combustible dusts or even small fibers that are potentially explosive in nature. Situations which involve the processes of production, transformation, delivery and stocking of flammable substances commonly produce potentially explosive environments.

Typical industries include: Oil & Gas, Petrochemical Refining & Processing, Fuel Storage, Chemical Manufacturing, and Power Generation. Other industries include: Car Manufacturing, Water Treatment, Pharmaceutical, Distilleries, Food Manufacturers, Aviation, Military, and Blast & Paint.

However, many companies don't realize dust can also create hazardous areas, and places such as food and beverage manufacturers, plastics factories, flour mills, recycling operations and grain handling & storage also need to ensure any potential hazardous areas are classified correctly.

WHY USE HAZARDOUS LOCATION LIGHTING?

Electrical equipment intended to be installed in such environments must be specially designed and tested to meet a range of requirements that together ensure the safety of personnel and avoid potentially dangerous situations resulting from the equipment's reaction to its surroundings.

Special enclosures, wiring, electrical components, and structural integrity must be used for safety purposes.





HAZARDOUS CLASSES & DIVISIONS

CLASSES

Class defines the general nature (or properties) of the hazardous material in the surrounding

CLASS I

Hazardous because flammable gases or vapors are present in the air in quantities sufficient to produce explosive or ignitable mixtures

CLASS II

Hazardous because combustible or conductive dusts are present

CLASS III

Hazardous because ignitable fibers or flying's are present, but not likely to be in suspension in sufficient quantities to produce ignitable mixtures.

DIVISIONS

Division defines the probability of the hazardous material being present in an ignitable concentration in the surrounding atmosphere

DIVISION 1

The substance referred to by class is present during normal conditions

DIVISION 2

The substance referred to by class is present only in abnormal conditions, such as container failure or system breakdown



GAS & DUST GROUPS

Explosive atmospheres have different chemical properties that affect the likelihood and severity of an explosion. Such properties include flame temperature, minimum ignition energy, upper and lower explosive limits, and molecular weight.

Every substance has a differing combination of properties but it is found that they can be ranked into similar ranges, simplifying the selection of equipment for hazardous areas.

Each chemical gas or vapour used in industry is classified into a gas group.

AREA	GROUP	REPRESENTATIVE MATERIALS
CLASS I, DIVISION 1 & 2	A	ACETYLENE
	B	HYDROGEN
	C	ETHYLENE
	D	PROPANE
CLASS II, DIVISION 1 & 2	E	METAL DUSTS, SUCH AS MAGNESIUM
	F	CARBONACEOUS DUSTS, SUCH AS CARBON & CHARCOAL
	G	NON-CONDUCTIVE DUSTS, SUCH AS FLOUR, GRAIN, WOOD & PLASTIC
CLASS III, DIVISION 1 & 2	NONE	IGNITABLE FIBERS/FLYING'S, SUCH AS COTTON LINT, FLAX & RAYON

A photograph of an industrial facility, likely a refinery or chemical plant, at dusk or night. The facility is illuminated by numerous lights, creating a warm glow against the dark sky. Several tall distillation columns and storage tanks are visible, with some emitting smoke or steam. The foreground is dark, showing some vegetation.

TEMPERATURE CLASSIFICATIONS

Another important consideration is the temperature classification of the electrical equipment. The following table tells us, for example, that the surface temperature of a piece of electrical equipment with a temperature classification of T3 will not rise above 200 °C.

NORTH AMERICA (NEC) °C	
T1 - 450	T3A - 180
T2 - 300	T3B - 165
T2A - 280	T3C - 160
T2B - 260	T4 - 135
T2C - 230	T4A - 120
T2D - 215	T5 - 100
T3 - 200	T6 - 85

VWX4-L

HAZARDOUS LOCATION LED VAPOR TIGHT

CLASS I, DIVISION 2 & CLASS III, DIVISION 1 & 2



The VWX4-L sealed 4ft linear luminaire is designed for use in hazardous locations when gases and liquids may be present. Acetylene, hydrogen, ether, hydrocarbons, fuels, solvents etc. that are not normally present in an explosive concentration (but may accidentally exist).

APPLICATIONS

- Clean rooms
- Locker rooms
- Computer areas
- Fuel storage areas
- Chemical processing facility
- Petrochemical processing facility
- Loading docks

FEATURES AND SPECIFICATIONS

CONSTRUCTION

Housing

- The housing is constructed from a one piece glass reinforced white fiberglass
- A closed cell, high temperature poured in place gasket and polycarbonate latches seal the enclosure from most hostile environments
- The low profile housing is available in 4 ft

Lens

- The fixture comes standard with an impact resistant acrylic frosted lens.

Specifications

- Wash down design
- Very durable
- Easy to clean and service
- LED technology for long term energy savings
- Stainless steel latches are available
- The luminaire enclosure was found to be in compliance with the indicated requirements of Enclosures for Electrical Equipment NEMA 4X

Ambient temperature
-40°C to +40°C

Mounting

Ceiling mounting brackets and mounting bail brackets for suspended mount included. Hardware in stainless steel.

ELECTRICAL










Driver

- 120-277V and 347V
- 0-10V dimming driver standard
- Suitable for cold location [-40°C]

COMPLIANCES

- Class I - Division 2, Groups A, B, C and D, T5 ambient 40°C
- Class III - Division 1 & 2, T5 ambient 40°C

- Hazardous location
- Suitable for damp and wet location
- IP66
- IP67
- 1500 PSI: High pressure hose down test (1.3 gallon per minute for 3 minutes at 1.5-2.0' from the unit) to maintain the integrity of the fixture. No water ingress is allowed
- NSF
- Compliant with NEMA 4X
- Meets requirements of ICES-005 for class A products
- CSA certified to C22.2 #250.0, #250.13, #137
- CSA
- UL1598, UL8750

OVERVIEW			
LIGHT SOURCE	LED	CRI	80+
WATTS [W]	31 - 79	WEIGHT [LBS]	14.15
LUMEN OUTPUT [LM]	3 797 - 10 047	AMBIENT TEMPERATURE [°C]	-40°C TO +40°C
EFFICACY [LM/W]	117 - 143	CONSTRUCTION	FIBERGLASS HOUSING, IMPACT RESISTANT ACRYLIC LENS, POM LATCHES AND STAINLESS STEEL MOUNTING HARDWARE
COLOR TEMPERATURE [K]	3 000, 3 500, 4 000, 5 000	MOUNTING	SURFACE, SUSPENDED
<div>      </div> <div>     </div>			

ORDERING GUIDE

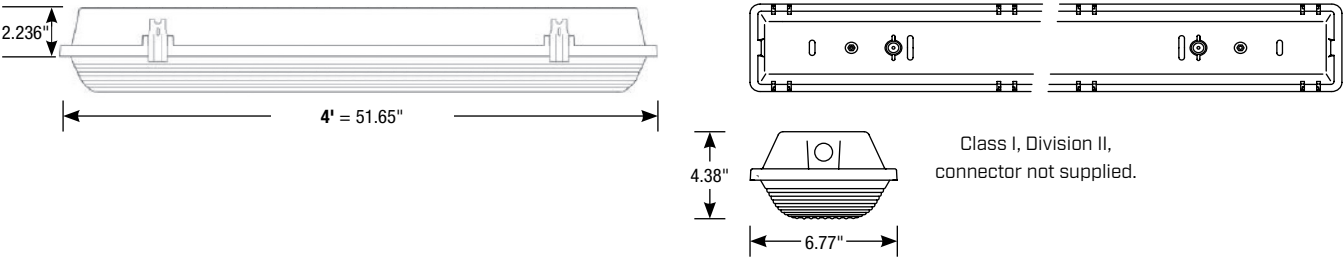
VWX4 — L — — — / — /							
SERIES	LAMP TYPE	LUMEN PACKAGE [LM]	CRI	VOLTS [VAC]	COLOR TEMP. [K]	OPTIONS	
VWX4	L - LED	A1A - REFER TO THE A2A - TECHNICAL A3A - SPECIFICATION A4A - TABLE FOR MORE DETAILS	80 - 80	2 - 120-277 8 - 347	30K - 3000 35K - 3500 40K - 4000 50K - 5000	SS - STAINLESS STEEL LATCHES KV - 10KV SURGE PROTECTOR DL' - EMERGENCY BACK UP (0°C-25°C) PC - POLYCARBONATE RIBBED FROSTED LENS SFAL - SMOOTH FROSTED ACRYLIC LENS SFPL - SMOOTH FROSTED POLYCARBONATE LENS TP - VANDAL RESISTANT SCREWS L6 - 6' WHITE POWER CORD L10 - 10' WHITE POWER CORD AC - AVIATION CABLE KIT RGB-45 - WALL MOUNT BRACKET (45°) L6-BK - 6' BLACK POWER CORD L10-BK - 10' BLACK POWER CORD	

¹ When selecting DL option, the fixture maintains wet location status, however, NEMA 4X and IP ratings are no longer applicable.

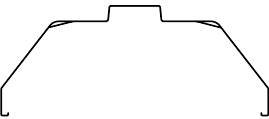
TECHNICAL SPECIFICATION TABLE

LUMEN PACKAGE	WATTS [W]	VOLTS [V]	3 000 K		3 500 K		4 000 K		5 000 K		CRI	LIFE L70 [HRS]	TESTED HOURS LM-80 [HRS]	POWER FACTOR	THD [%]
			LUMEN [LM]	EFFICIENCY [LM/W]	LUMEN [LM]	EFFICIENCY [LM/W]	LUMEN [LM]	EFFICIENCY [LM/W]	LUMEN [LM]	EFFICIENCY [LM/W]					
A1A	31	120-277 347	3 797	124	3 889	127	3 999	130	4141	135	80+	189 000	10 000	0.97	11
A2A	40		5 223	131	5349	134	5 500	138	5 695	143	80+	189 000	10 000	0.97	11
A3A	60		7 314	123	7 490	126	7 703	130	7 976	134	80+	189 000	10 000	0.98	9
A4A	79		9 212	117	9 435	120	9 703	124	10 047	128	80+	189 000	10 000	0.98	10

DIMENSIONS

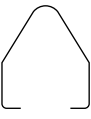


CEILING MOUNTING BRACKETS¹



¹ Included.

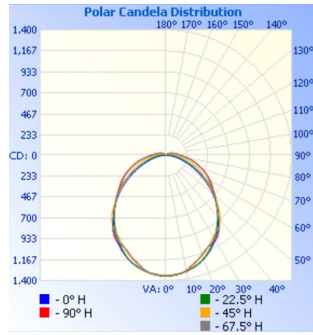
BAIL BRACKETS¹



PHOTOMETRIC DATA

VWX4-LA1-[2/8]/40K • 3862.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1006.6	26.1
0-40	1635.5	42.3
0-60	2804.4	72.6
60-90	871.5	22.6
70-100	542.5	14
90-120	174.9	4.5
0-90	3676.0	95.2
90-180	186.2	4.8
0-180	3862.2	100

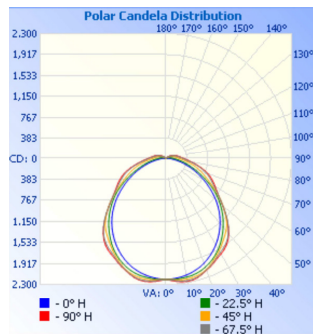
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	336.8	4.9'	5.2'
4.0'	84.2	9.8'	10.4'
6.0'	37.4	14.7'	15.6'
8.0'	21.0	19.5'	20.8'
10.0'	13.5	24.4'	26.0'

■ Vert. Spread: 101.4° ■ Hor. Spread: 104.9°

VWX4-LA3-[2/8]/40K • 7131.8LM

POLAR CANDELA DISTRIBUTION



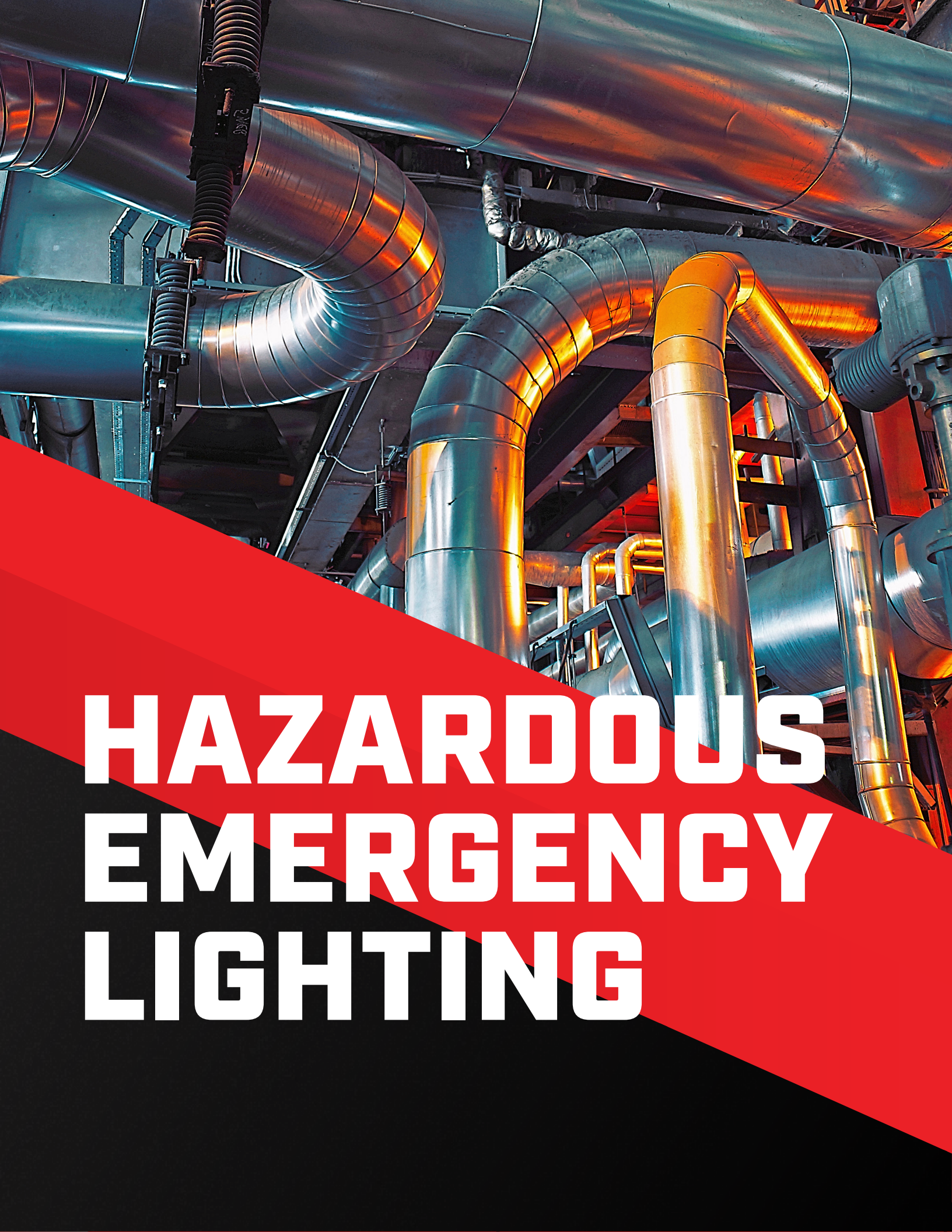
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1774.0	24.9
0-40	2918.0	40.9
0-60	5106.6	71.6
60-90	1648.0	23.1
70-100	1044.7	14.6
90-120	357	5
0-90	6754.6	94.7
90-180	377.3	5.3
0-180	7131.8	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	551.8	5.2'	6.0'
4.0'	137.9	10.4'	12.0'
6.0'	61.3	15.6'	17.9'
8.0'	34.5	20.8'	23.9'
10.0'	22.1	26.0'	29.9'

■ Vert. Spread: 104.8° ■ Hor. Spread: 112.4°



HAZARDOUS EMERGENCY LIGHTING

DELUGE - RPNX

HAZARDOUS LOCATION

RUNNING MAN

Class I, div 2, groups A, B, C, D

Class II, div 2, groups F, G

Class III, div 2

The RPNX series of wet location anti vandal running man is designed to operate in extreme environments. The unit, designed using a polycarbonate housing, maintains its sealed interior with a continuous integral gasket. As well, LED pilot light and test switch are sealed type. Available in AC/DC and internally self-powered versions.



FEATURES & SPECIFICATIONS

ELECTRICAL – AC/DC

- LED ultra bright light source
- 120/277/347 VAC 60 Hz Input, field selectable
- 2 W power consumption single or double face
- 6 V, 12 V and 24 V universal DC
- 6 VDC = 0.8 W, 12 VDC = 0.9 W, 24 VDC = 1.2 W

ELECTRICAL – SELF-POWERED

- LED ultra bright light source
- 120/277/347 VAC Input, field selectable
- 3.34 W power consumption single or double face
- High-performance, sealed Ni-Cad battery
- 90 minutes emergency duration (standard) 120 minutes emergency duration is optional
- Solid state transfer and battery charger
- Auto test feature comes standard

MECHANICAL








- Reinforced polycarbonate construction
- Stainless steel tamper proof screws and bits
- One piece, molded and gasketed lens
- Universal spider knock-out pattern stamped into backplate for junction box mounting (backplate available with single face unit only)
- Universal models include ceiling or end mount, field installable canopy kit
- UNVOC Sign: -35°C to +40°C
- Self-Powered Sign: +10°C to +40°C with Cold Weather option added: -20°C to +40°C (available only with BAT)
- Temperature code: T4A

APPROVALS

- CSA Certified to C22.2 #141-15
- CSA Certified to C22.2 #137
- CSA Certified to C860-11
- CSA Certified type 2, 3, 3R, 4, 4X, 5, 12 or 12K
- CSA Certified to NSF 2
- IP66
- Class I, div 2, groups A, B, C, D
- Class II, div 2, groups F, G
- Class III, div 2

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	DC VOLTAGE / POWER	6 VDC = 0.8 W 12 VDC = 0.9 W 24 VDC = 1.2 W
INPUT VOLTAGE (VAC)	120/277/347		
INPUT POWER	2 W AC & AC/DC SINGLE OR DOUBLE FACE 3.34 W SELF-POWERED SINGLE OR DOUBLE FACE		
 LED	 WET LOCATION	 IP RATING	 ICES 005
		 HAZARDOUS LOCATION	 SAF Energy Verified
			 SAF SANITATION NSF/ANSI 2

ORDERING GUIDE

RPNX					
SERIES	NBR OF FACES	MOUNTING	FRAME COLOUR	DC VOLTAGE (VDC)	OPTIONS
RPNX	1 - SINGLE FACE 2 - DOUBLE FACE	BLANK - UNIVERSAL	BLK - BLACK WHT - WHITE	UNVDC - UNIVERSAL DC BACKUP VOLTAGE FROM 6 TO 24 BAT - SELF-POWERED FOR 90 MINUTES BAT1 - SELF-POWERED FOR 120 MINUTES	ATD ¹ - AUTOMATIC TEST STANDARD CW ² - COLD WEATHER AT -20°C TO +40°C 0 - NO INDICATORS (DOUBLE FACE ONLY) ↓ ↑ ↗ ↘ ↙ ↘ D U UR DR DL UL

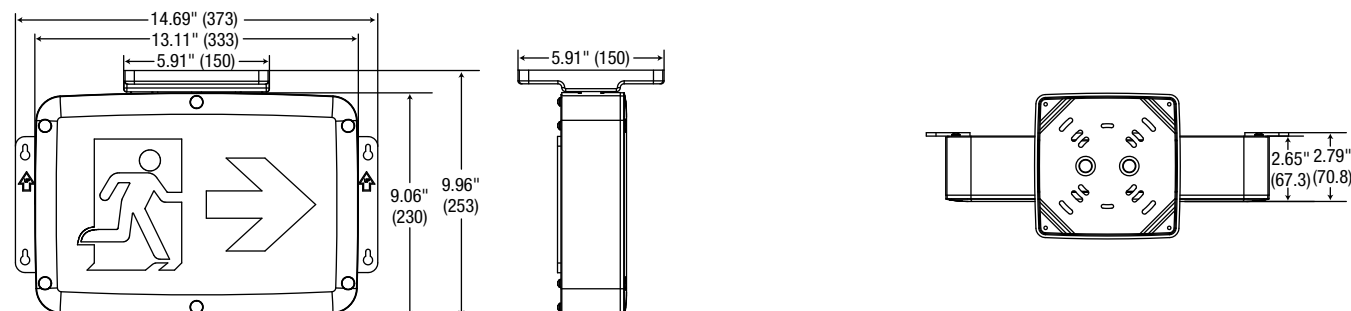
¹Available only with BAT & BAT1. Mandatory with BAT & BAT1

²Available only with BAT

LEXAN GUARD

	PART NUMBER	DIMENSIONS (IN)
WALL MOUNT	PGD105	20 x 10.25 x 3.5
CEILING MOUNT	PGD100	16 x 10 x 13.5

DIMENSIONS



Comes standard [single face] with three pictogram legends for direction selection.



Comes standard [double face] with two pictogram legends.



For double face no arrow options, select "No indicators" on the options column.

DELUGE - CRPNX

HAZARDOUS LOCATION COMBO

Class I, div 2, groups A, B, C, D

Class II, div 2, groups F, G

Class III, div 2

The CRPNX series of wet location combination running man exit signs is designed to operate in extreme environments. The CRPNX series is designed using a polycarbonate housing. The housing features integral wall mounting points and a molded gasket that completely seals the housing from the elements.



FEATURES AND SPECIFICATIONS

ELECTRICAL AND CIRCUITRY

- LED ultra bright light source
- 120/277/347 V AC 60 Hz Input, field selectable
- 30 minutes minimum emergency power duration (depending on selected lamp type)
- Temperature compensated charger
- Diagnostic/pilot LED
- Complete battery recharge in 24 hours
- High efficiency, rapid recovery, precision control charging system.
- Magnetic test switch.
- Standard automatic-testing self-diagnostic charger board.

MECHANICAL








- One piece, molded and gasketed lens
- Stainless steel tamper proof screws and bits
- Universal spider knock-out pattern stamped into backplate for junction box mounting
- Universal models include ceiling or end mount, field installable canopy kit
- Black or white finish
- Temperature code: T4A

APPROVALS

- CSA Certified to C22.2 #141-15
- CSA Certified to C22.2 #137
- CSA Certified to C860-11
- CSA Certified type 2, 3, 3R, 4, 4X, 5, 12 or 12K
- CSA Certified to NSF 2
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F, G
- Class III, Div 2

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	CW1 INPUT POWER (W)	30
INPUT VOLTAGE (V AC)	120/277/347	OUTPUT VOLTAGE (V DC)	6, 12
CW1 INPUT VOLTAGE (V AC)	120/277/347		
<div>  LED  WET LOCATION  IP66 RATING  ICES 005  HAZARDOUS LOCATION  Energy Verified Energie Verifiée  SANITATION NSF/ANSI 2 </div>			

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

CRPNX					-	2		/	ATD	/	
SÉRIE	VOLTAGE [V]	WATTAGE [W]	NBR OF FACES	HOUSING COLOR	HEADS	LAMP SELECTION	MANDATORY OPTIONS	OPTIONS			
CRPNX	06 - 6	036 - 36 NI-CD	1 - SINGLE FACE 2 - DOUBLE FACE	BLK - BLACK WHT - WHITE	2 - 2 HEADS	SEE LAMP SELECTION CHART	ATD - AUTOTEST	BLANK - STANDARD +10°C TO +25°C CW1 ¹ - COLD WEATHER AT -40°C TO +40°C RDS - RADIO FREQUENCY SUPPRESSION [SPECIFY AC VOLTAGE] O - NO INDICATORS (DOUBLE FACE ONLY) ↓ ↑ ↗ ↘ ↙ ↘ D U UR DR DL UL			
		050 - 50 LEAD ACID	1 - SINGLE FACE								
		072 - 72 LEAD ACID									
	12 - 12	036 - 36 NI-CD	1 - SINGLE FACE 2 - DOUBLE FACE								
		072 - 72 NI-CD	1 - SINGLE FACE								

¹ Available only with 6V 36W, 12V 36W and 12V 72W

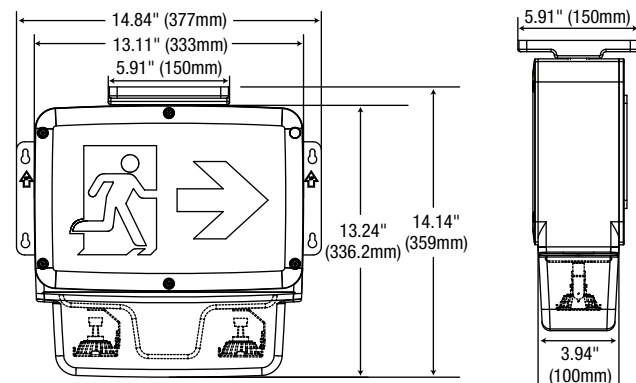
MODEL RATINGS

MODEL	WATTAGE CAPACITIES [W]				
	VOLTAGE	30 MIN	60 MIN	90 MIN	120 MIN
CRPNX06036	6 V	36	18	12	9
CRPNX06050	6 V	50	25	16.5	12.5
CRPNX06072	6 V	72	36	24	18
CRPNX12036	12 V	36	18	12	9
CRPNX12072	12 V	72	36	24	18

LAMP SELECTION

MR16 SMALL HEAD C/W MR16 OR LED LAMP		
	6 V	12 V
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA

DIMENSIONS



LEXAN GUARD

	PART NUMBER	DIMENSIONS [IN]
WALL MOUNT	PGD111	19.75 X 14 X 8

LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652



Comes standard (single face) with three pictogram legends for direction selection.



Comes standard (double face) with two pictogram legends.



For double face no arrow options, select "No indicators" on the options column.

DELUGE - EBNX

HAZARDOUS LOCATION

BATTERY UNIT

CLASS I, DIV 2, GROUPS A, B, C, D

CLASS II, DIV 2, GROUPS F, G

CLASS III, DIV 2

The EBNX series of battery units is designed to operate in the most extreme environments. The unit, designed using a polycarbonate housing, maintains its sealed interior with a continuous integral gasket. The EBNX series is available in 6 V DC and 12 V DC versions in 36 W, 50 W, 72 W, 100 W or 130 W wattage capacity for a minimum of 30 minutes in emergency mode. Auto test feature is standard.



FEATURES AND SPECIFICATIONS

ELECTRICAL AND CIRCUITRY

- 120/277/347 V AC 60 Hz Input, field selectable
- High efficiency, rapid recovery, precision control charging system
- Magnetic test switch
- Diagnostic/pilot LED
- Fully automatic, current limited charger
- Temperature compensated charger
- Complete battery recharge in 24 hours
- Standard automatic-testing, self-diagnostic charger board

MECHANICAL









- Universal spider knockout pattern stamped into backplate for junction box mounting
- Fully gasketed reinforced polycarbonate housing – will not corrode or rust from water exposure
- Stainless steel tamper proof screws and bits
- Black or white finish
- Temperature code: T4A

APPROVALS

- CSA Certified to C22.2 #141-15
- CSA Certified to C22.2 #137
- CSA Certified type 2, 3, 3R, 4, 4X, 5, 12 or 12K
- CSA Certified to NSF 2
- Class I, div 2, groups A, B, C, D
- Class II, div 2, groups F, G
- Class III, div 2

COMPLIANCES

- Meets requirements of ICES-005

OVERVIEW			
INPUT VOLTAGE [V AC]	120/277/347	OUTPUT VOLTAGE [V DC]	6, 12
CW1 INPUT VOLTAGE [V AC]	120/277/347	OUTPUT POWER [W]	36 - 130
CW1 INPUT POWER [W]	30		
<div>  BRIDGE EMERGENCY LIGHTING LUMINAIRE REMOTE NORMALLY ON  LED  WET LOCATION  66 IP RATING  ICES 005  HAZARDOUS LOCATION  SAF  SAF SANITATION NSF/ANSI 2 </div>			

ORDERING GUIDE

EBNX					/ ATD	
SERIES	VOLTS [V]	WATTS [W]	LAMP SELECTION	HOUSING COLOR	MANDATORY OPTIONS	OPTIONS
EBNX	06 - 6 12 - 12	036 - 36, NI-CD 050 - 50, LEAD ACID 072 - 72, LEAD ACID 100 - 100, LEAD ACID 130 - 130, LEAD ACID	SEE LAMP SELECTION CHART	BLK - BLACK WHT - WHITE	ATD - AUTO-TEST	BLANK - STANDARD +10°C TO +25°C CW1 ¹ - COLD WEATHER AT -40°C TO +40°C

¹ Only available with 6V 36W, 12V 36W and 12V 72W

MODEL RATINGS

MODEL	VOLTS [V]	WATTAGE CAPACITIES [W]			
		30 MIN.	60 MIN.	90 MIN.	120 MIN.
EBNX06036	6	36	18	12	9
EBNX06050		50	25	16.5	12.5
EBNX06072		72	36	24	18
EBNX06100		100	50	33	25
EBNX06130		130	65	43	33
EBNX12036	12	36	18	12	9
EBNX12050		50	25	16.5	12.5
EBNX12072		72	36	24	18
EBNX12100		100	50	33	25
EBNX12130		130	65	43	33

LEXAN GUARD

MOUNTING TYPE	NUMBER OF HEADS	PART NUMBER	DIMENSIONS [IN]
WALL MOUNT	2	PGD111	19.75 X 14 X 8

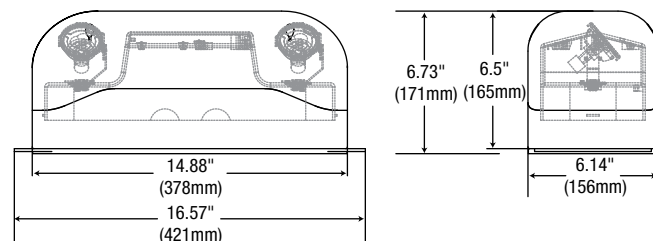
LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

LAMP SELECTION

MR16	6 V	12 V
SMALL HEAD C/W MR16 OR LED LAMP		
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA

DIMENSIONS



DELUGE - RMNX

HAZARDOUS LOCATION

REMOTE

CLASS I, DIV 2, GROUPS A, B, C, D
 CLASS II, DIV 2, GROUPS F, G
 CLASS III, DIV 2

The RMNX series of wet location anti vandal remotes is designed to perform in extreme environments. The single or double lamp assemblies are completely protected from the elements within a fully gasketed polycarbonate housing. Available in 6 V, 12 V or 24 V models, utilizing LED (bi-pin based) lamps.



FEATURES & SPECIFICATIONS

ELECTRICAL AND CIRCUITRY

- 6 VDC, 12 VDC or 24 VDC
- LED lamps - bi-pin based

MECHANICAL

- Polycarbonate enclosure is fully gasketed around lens and canopy to prevent water infiltration
- Stainless steel tamper proof screws and bits
- Wet location
- Lamps are fully adjustable
- Fully gasketed housing
- Available in white and black
- Universal spider knockout pattern stamped into backplate for junction box mounting
- Temperature code: T4A

AMBIENT TEMPERATURE








- -35°C to +40°C

COMPLIANCE

- Meets requirements of ICES-005

APPROVALS

- CSA Certified to C22.2 #141-15
- CSA Certified to C22.2 #137
- CSA Certified type 2, 3, 3R, 4, 4X, 5, 12 or 12K
- CSA Certified to NSF 2
- IP66
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F, G
- Class III, Div 2

OVERVIEW	
LIGHT SOURCE	LED
DC VOLTAGE [VDC]	6, 12 OR 24
<div>  LED  WET LOCATION  IP66 RATING  ICES 005  HAZARDOUS LOCATION   </div>	

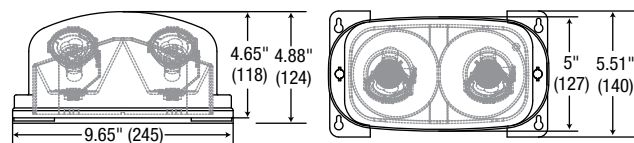
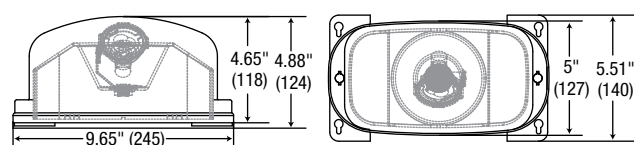
For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE - LED

RMNX		-				
SERIES	NBR OF HEADS	VOLTAGE (VDC)		WATTAGE (W)	LAMP TYPE	COLOR
RMNX	1 - SINGLE HEAD 2 - DOUBLE HEAD	6-24V - 6 TO 24 OPERATIONAL		4W - 4	LR - LED	BLK - BLACK WHT - WHITE
				5W - 5	LA - LED	
		12-24V - 12 TO 24 OPERATIONAL		6W - 6	LA - LED	
				7W - 7		

DIMENSIONS



LEXAN GUARD

	PART NUMBER	DIMENSIONS (IN)
WALL MOUNT	PGD104	14 x 7.25 x 7.5

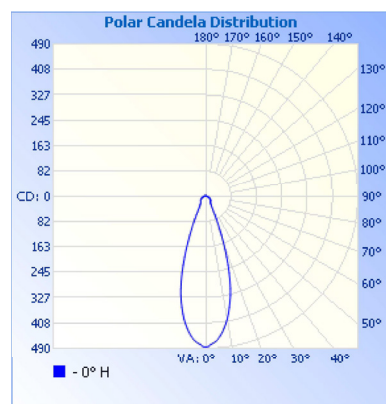
LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

PHOTOMETRIC DATA¹

MR16-06-24V4WLR • 228.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9
0-40	182.0	79.6
0-60	214.8	93.9
60-90	13.9	6.1
70-100	4.1	1.8
90-120	0	0
0-90	228.7	100
90-180	0	0
0-180	228.7	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	1.1'
3.3'	2.1'
5.0'	3.2'
6.7'	4.3'
8.3'	5.3'
10.0'	6.4'

■ Vert. Spread: 35.4°

¹ Complete IES files available on our website.

RPHZ HAZARDOUS LOCATION

CLASS I, DIVISION 1 & 2, GROUPS C & D, GROUPS A & B
AC, AC/DC
120/347VAC INPUT



The RPHZ series of hazardous location running man signs are designed to meet and exceed the most stringent code requirements. The housings are made from copper free, heavy-duty die cast aluminum. The frame

and faceplate(s) are manufactured in heavy gauge steel with a white, powder coating finish. The signs can be specified to suit a variety of mounting options including ceiling, wall and pendant mount.

FEATURES & SPECIFICATIONS

CIRCUITRY - AC & AC/DC

- LED ultra bright light source
- Input voltages 120/347VAC
- Emergency back-up voltage: 6V, 12V or 24VDC

MECHANICAL





- Die cast, copper free aluminum, white or raw aluminum finish [depends on rating/type]
- Steel Running man sign, white powder coat finish standard
- Wiring pre-pulled through fixture
- Wall and ceiling models c/w integrated die cast junction box
- Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
- Temperature code: T6

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 1 & 2, Groups C & D
- Class I, Groups A & B

COMPLIANCE

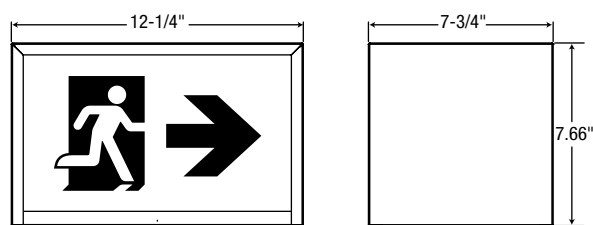
- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	INPUT POWER [W]	3.4
INPUT VOLTAGE [VAC]	120/347	DC POWER [W]	1.8
INPUT VOLTAGE [VDC]	6, 12 OR 24		
<div>  LED  HAZARDOUS LOCATION  ICES 005  </div>			

ORDERING GUIDE

RPHZ			1	1	CD	/	
SERIES	NBR OF FACES	MOUNTING	CLASS	DIV.	GROUP	VOLTS (VDC)	OPTIONS
RPHZ	1 - SINGLE FACE 2 - DOUBLE FACE	C - CEILING MOUNT P - PENDANT MOUNT W - WALL MOUNT	1	1	C D	BLANK - AC ONLY 06 - 6 12 - 12 24 - 24	SPW - SPECIAL WORDING OR GRAPHIC 0 - NO INDICATORS (DOUBLE FACE ONLY) ↓ ↑ ↗ ↘ ↙ ↘ D U URDRDLUL

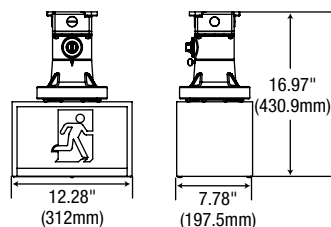
DIMENSIONS



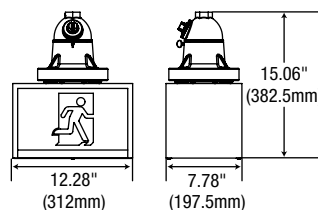
Comes standard [single face] with three pictogram legends for direction selection.

MOUNTING

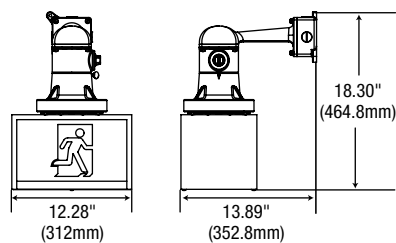
CEILING



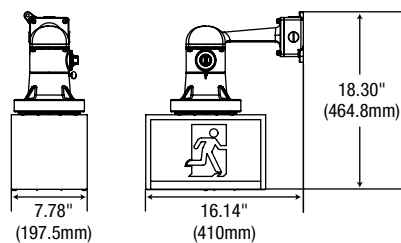
PENDANT



WALL - SINGLE FACE



WALL - DOUBLE FACE



RPZN2

HAZARDOUS LOCATION

CLASS I, DIVISION 2, GROUPS C, D
AC, AC/DC & SELF-POWERED



(self powered version)

The RPZN2 series of Class I, Division 2 rated running man are designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type.

FEATURES & SPECIFICATIONS

ELECTRICAL - AC/DC

- LED ultra bright light source
- 120/347V AC Input, field selectable
- 3.6 Watt power consumption
- Emergency DC wattages as follows:
6V DC = 1.8W 12V DC = 1.8W
24V DC = 1.8W

ELECTRICAL - SELF-POWERED

- LED ultra bright light source
- 120/347V AC Input, field selectable
- 4 Watt power consumption
- High-performance, sealed Ni-Cad battery
- 90 minutes emergency duration (standard)
- Solid state transfer and battery charger

MECHANICAL





- Heavy-duty non-metallic, reinforced construction
- One piece, molded and gasketed lens
- Bottom hinged cover secured with two screws
- One-way breather valve for release of gases and/or moisture condensation
- All external metal hardware is stainless steel
- Single face, wall mount only
- Grey finish housing, white faceplate standard

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 2, Groups C, D

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	OUTPUT VOLTAGE [V DC]	6, 12, OR 24
INPUT VOLTAGE [V AC]	120/347	DC POWER [W]	1.8
INPUT POWER [W]	3.6 AC/DC 4 SELF-POWERED		
<div><div> LED</div><div> HAZARDOUS LOCATION</div><div> ICES 005</div><div></div></div>			

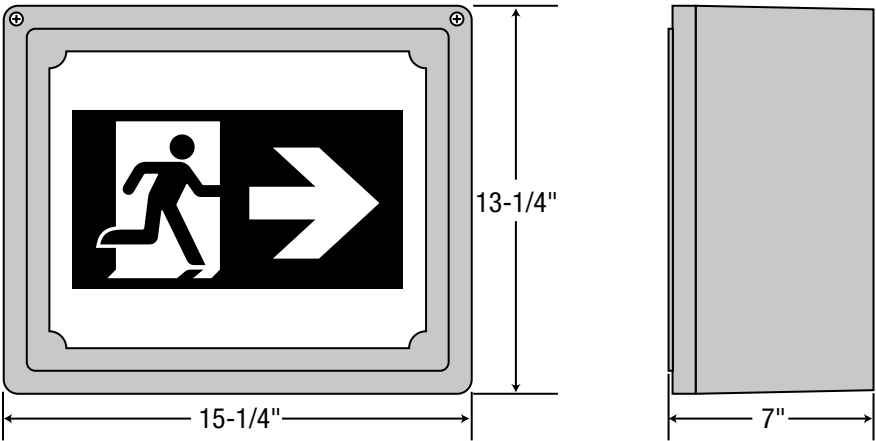
ORDERING GUIDE

RPZN2	1	GRY	—	/	
SERIES	NBR OF FACES	COLOR	OPERATION	OPTIONS	
RPZN2	1 - SINGLE FACE	GRY - GREY	UNVDC - UNIVERSAL DC BACKUP VOLTAGE FROM 6 TO 24V DC BAT - SELF-POWERED FOR 90 MINUTES	↓ ↑ ↗ ↘ ↙ ↘ D U URDRDLUL	

TEMPERATURE CODES

	[25°C]	[40°C]
UNVDC	T6	T6
BAT	T6	T5

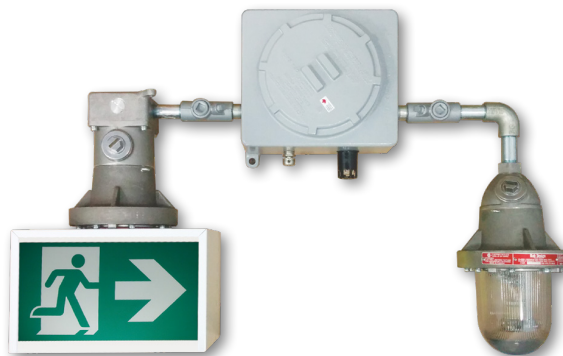
DIMENSIONS



Comes standard (single face) with three pictogram legends for direction selection.

CRPHZ HAZARDOUS LOCATION RUNNING MAN COMBO

CLASS I, DIVISION 1, GROUPS C & D, ZONE 1 & 2,
GROUPS IIA & IIB
6 V DC, 12 V DC OR 24 V DC MODELS
120 OR 347 V AC INPUT



Designed to meet the strictest codes and standards, the CRPHZ series of hazardous location combination running man signs and battery units provides safe and dependable operation. The CRPHZ series housings are built with die cast, copper free aluminum, in Class I and Division 1 rated models. Available in 6 V DC, 12 V DC or 24 V DC models in a range of capacities from 36 to 320 watts, for 30 minutes duration.

FEATURES & SPECIFICATIONS

CIRCUITRY - AC

- LED ultra bright light source
- Range of input voltages is 120 or 347 V AC field selectable
- 6 V DC, 12 V DC or 24 V DC emergency power output versions (as specified)
- Wattage capacities from 36 to 320 watts
- Power consumption for LED sign of 4.8W
- Optional external momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery

MECHANICAL





- Die cast, copper free aluminum housing - grey finish
- Solid state design and construction
- Housing cavity accessed via large circular screw on/off cover plate
- Standard stainless steel one-way breather valve for release of gases and/or moisture condensation
- Housing c/w tapped and plugged rigid holes
- Oversized integral mounting holes/forks accept heavy-duty mounting hardware
- Steel running man sign, white powder coat finish standard
- Temperature code: T6

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 1, Groups C & D
- Class I, Zone 1 & 2, Groups IIA & IIB

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	OUTPUT POWER (W)	36 - 320
INPUT VOLTAGE (V AC)	120 OR 347	SIGN POWER CONSUMPTION (W)	4.8
OUTPUT VOLTAGE (V DC)	6, 12, OR 24	SIGN DC CONSUMPTION (W)	3.4
<div>  LED  HAZARDOUS LOCATION  ICES 005  </div>			

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.

All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

CRPHZ				1	1	CD	—1Z		/	
SERIES	VOLTS [V DC]	WATTS [W]	NBR OF FACES	CLASS	DIV.	GROUP	HEAD	LAMP/HEAD	LAMP	OPTIONS
CRPHZ	06 - 6 12 - 12 24 - 24	SEE MODEL RATING BELOW	1 - SINGLE FACE 2 - DOUBLE FACE	1	1	C D	1Z - SINGLE HEAD	1 - SINGLE LAMP ASSEMBLY 2 - DOUBLE LAMP ASSEMBLY	SEE LAMP SELECTION BELOW	RDS - RADIO FREQUENCY SUPPRESSION (SPECIFY AC VOLTAGE) O - NO INDICATORS (DOUBLE FACE ONLY) ↓ ↑ ↗ ↘ ↙ ↘ D U URDRDLUL

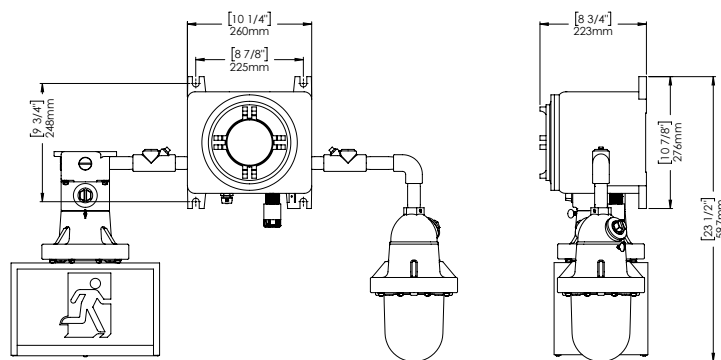
LAMP SELECTION

	6 V DC	12 V DC	24 V DC
MR16			
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA	4WLR, 5WLA, 6WLA, 7WLA

MODEL RATINGS

WATTAGE CAPACITIES						
MODEL	VOLTS [V DC]	30 MIN.	60 MIN.	90 MIN.	120 MIN.	HOUSING DIMENSIONS
CRPHZ06036	6	36	18	12	9	A: 10.63" X 9.25" X 6.75"
CRPHZ06050	6	50	25	16	12	A: 10.63" X 9.25" X 6.75"
CRPHZ06072	6	72	36	24	18	A: 10.63" X 9.25" X 6.75"
CRPHZ12036	12	36	18	12	9	A: 10.63" X 9.25" X 6.75"
CRPHZ12050	12	50	25	16	12	A: 10.63" X 9.25" X 6.75"
CRPHZ12072	12	72	36	24	18	A: 10.63" X 9.25" X 6.75"
CRPHZ12100	12	100	50	33	25	B: 12.44" X 12.44" X 8.44"
CRPHZ12160	12	160	80	55	40	B: 12.44" X 12.44" X 8.44"
CRPHZ12200	12	200	100	75	50	B: 12.44" X 12.44" X 8.44"
CRPHZ24144	24	144	72	48	36	B: 12.44" X 12.44" X 8.44"
CRPHZ24320	24	320	160	106	80	B: 12.44" X 12.44" X 8.44"

DIMENSIONS



Comes standard (single face) with three pictogram legends for direction selection.

HOUSING DIMENSIONS	
A -	10.63" X 9.25" X 6.75"
B -	12.44" X 12.44" X 8.44"

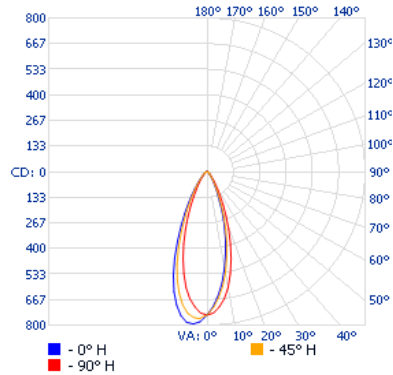
LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

PHOTOMETRIC DATA

MR16-06-24V4WLR • 228.7LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

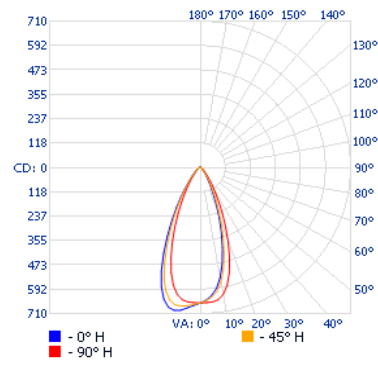
ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9%
0-40	182.0	79.6%
0-60	214.8	93.9%
60-90	13.9	6.1%
70-100	4.1	1.8%
90-120	0	0%
0-90	228.7	100%
90-180	0	0%
0-180	228.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	168		1.1'	
3.3'	44.5		2.1'	
5.0'	19.4		3.2'	
6.7'	10.8		4.3'	
8.3'	7.04		5.3'	
10.0'	4.85		6.4'	
■ Vert. Spread: 35.4°				

MR16-06-24V5WLA • 440.7LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

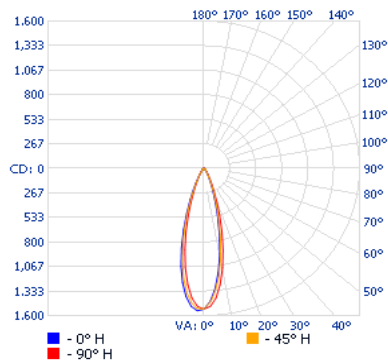
ZONE	LUMENS	% FIXTURE
0-30	352.6	80%
0-40	391.8	88.9%
0-60	427.2	96.9%
60-90	13.5	3.1%
70-100	4.3	1%
90-120	0	0%
0-90	440.7	100%
90-180	0	0%
0-180	440.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	407		0.9'	1.0'
3.3'	108		1.7'	1.9'
5.0'	47.0		2.6'	2.8'
6.7'	26.2		3.5'	3.8'
8.3'	17.1		4.3'	4.7'
10.0'	11.8		5.2'	5.7'
<div><div></div> Vert. Spread: 29.3°<div></div> Hor. Spread: 31.7°</div>				

MR16-12-24V6WLA • 508.7LM

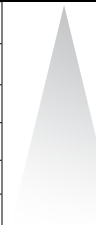
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	407.0	80%
0-40	452.3	88.9%
0-60	493.1	96.9%
60-90	15.6	3.1%
70-100	4.9	1%
90-120	0	0%
0-90	508.7	100%
90-180	0	0%
0-180	508.7	100%

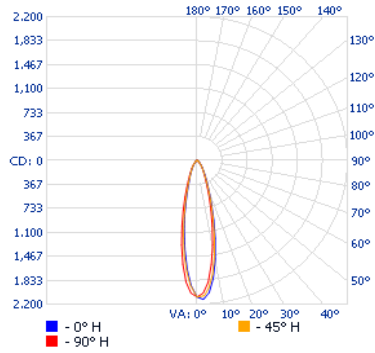
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	470		0.9'	1.0'
3.3'	125		1.7'	1.9'
5.0'	54.3		2.6'	2.8'
6.7'	30.2		3.5'	3.8'
8.3'	19.7		4.3'	4.7'
10.0'	13.6		5.2'	5.7'
<div>■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°</div>				

PHOTOMETRIC DATA

MR16-12-24V7WLA • 635.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80%
0-40	564.7	88.9%
0-60	615.7	96.9%
60-90	19.5	3.1%
70-100	6.1	1%
90-120	0	0%
0-90	635.2	100%
90-180	0	0%
0-180	635.2	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	587	0.9'	1.0'
3.3'	156	1.7'	1.9'
5.0'	67.8	2.6'	2.8'
6.7'	37.8	3.5'	3.8'
8.3'	24.6	4.3'	4.7'
10.0'	16.9	5.2'	5.7'

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

CRPZN2 HAZARDOUS LOCATION COMBO

CLASS I, DIVISION 2, GROUPS C, D
12 V DC, 36-200W

The CRPZN2 series of Class I, Division II rated running man combos is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type. The breather, pilot light and test switch have all been mounted into the bottom of the enclosure to allow for quick and simple visual inspection and maintenance testing from below.



BOTTOM VIEW

- 1- AC ON PILOT LED
- 2- BREATHER VALVE
- 3- TEST SWITCH

FEATURES & SPECIFICATIONS

CIRCUITRY

- LED ultra bright light source
- 120/347 V AC Input, field selectable
- 12 V DC emergency voltage output
- Wattage capacities from 36 to 200 watts
- 30 minutes emergency power duration standard
- Sealed momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Solid state design and construction with brownout and short circuit protection
- Temperature compensated
- Large terminal strip connector for all electrical connections - AC and DC
- Maintenance free, sealed lead acid battery

MECHANICAL





- Heavy-duty non-metallic, reinforced construction
- One piece, molded and gasketed lens
- Bottom hinged cover secured with two screws
- One-way breather valve for release of gases and/or moisture condensation
- All external metal hardware is stainless steel
- Single face, wall mount only
- Grey finish housing, white faceplate standard

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 2, Groups C, D

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	DC POWER (W)	36 - 200
INPUT VOLTAGE (V AC)	120/347	SIGN POWER CONSUMPTION (W)	3.6
OUTPUT VOLTAGE (V DC)	12	SIGN DC CONSUMPTION (W)	1.8
<div style="display: flex; align-items: center; gap: 20px;"> <div> LED</div> <div> HAZARDOUS LOCATION</div> <div> ICES 005</div> <div></div> </div>			

For complete warranty details, please see our terms and conditions on our website.

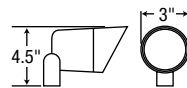
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

CRPZN2				—		GRY	/	
SERIES	NBR OF FACES	WATTS [W]	VOLTS [V]	HEAD/LAMP	LAMP	COLOR	OPTIONS	
CRPZN2	1 - SINGLE FACE	SEE MODEL RATING BELOW	1 - 12 V	0 - NO HEADS 1MW - ONE MR16 WEATHER-PROOF 2MW - TWO MR16 WEATHER-PROOF	SEE LAMP SELECTION CHART BELOW	GRY - GREY	RDS - RADIO FREQUENCY SUPPRESSION [SPECIFY AC VOLTAGE] ↓ ↑ ↗ ↘ ↙ ↘ D U URDRDLUL	

LAMP SELECTION

12 VOLTS	
MR16 - SMALL HEAD C/W MR16 LAMP	
QUARTZ HALOGEN	20WQ
LED	4WLR, 5WLA, 6WLA, 7WLA



Type MW - MR16

Die cast
20W max.

TEMPERATURE CODES

HEAD/LAMP	TEMPERATURE CODE [25°C]	TEMPERATURE CODE [40°C]
00	T5	T4A
MW4L	T5	T4A
MW5L	T3C	T3B
MW6L	T4	T3C
MW7L	T4	T3C
MW12Q	T3C	T3B
MW20Q	T2D	T2C
MW35Q	T2B	T2A
MW50Q	T1	T1

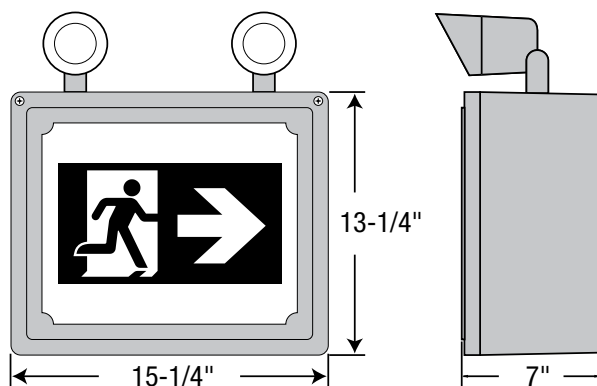
MODEL RATINGS

WATTAGE CAPACITIES					
MODEL	VOLTS [V DC]	30 MIN.	60 MIN.	90 MIN.	120 MIN.
CRPZN2_12036	12	36	18	12	9
CRPZN2_12050	12	50	25	16	12
CRPZN2_12072	12	72	36	24	18
CRPZN2_12100	12	100	50	33	25
CRPZN2_12160	12	160	80	53	40
CRPZN2_12200	12	200	100	66	50

LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

DIMENSIONS

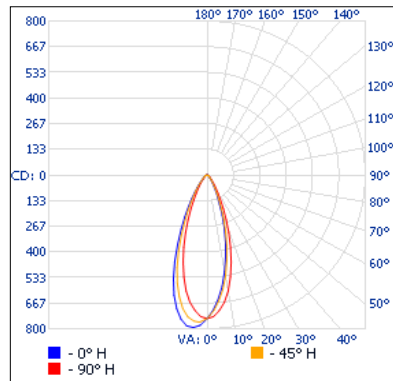


Comes standard [single face] with three

PHOTOMETRIC DATA

MR16-06-24V4WLR • 228.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

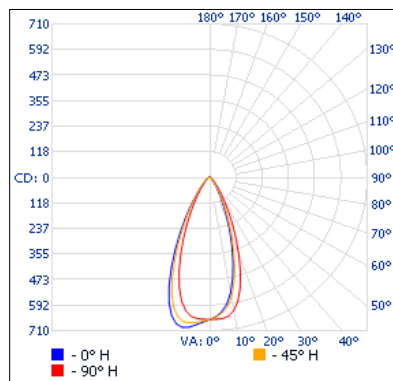
ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9%
0-40	182.0	79.6%
0-60	214.8	93.9%
60-90	13.9	6.1%
70-100	4.1	1.8%
90-120	0	0%
0-90	228.7	100%
90-180	0	0%
0-180	228.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	168		1.1'	
3.3'	44.5		2.1'	
5.0'	19.4		3.2'	
6.7'	10.8		4.3'	
8.3'	7.04		5.3'	
10.0'	4.85		6.4'	
■ Vert. Spread: 35.4°				

MR16-12-24V5WLA • 440.7LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

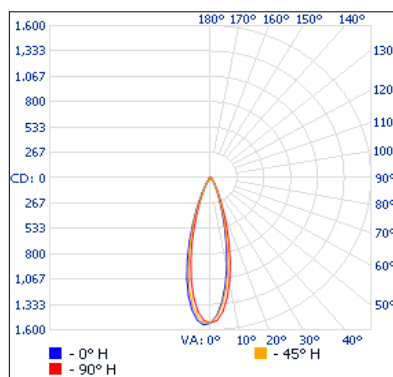
ZONE	LUMENS	% FIXTURE
0-30	352.6	80%
0-40	391.8	88.9%
0-60	427.2	96.9%
60-90	13.5	3.1%
70-100	4.3	1%
90-120	0	0%
0-90	440.7	100%
90-180	0	0%
0-180	440.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	407		0.9'	1.0'
3.3'	108		1.7'	1.9'
5.0'	47.0		2.6'	2.8'
6.7'	26.2		3.5'	3.8'
8.3'	171		4.3'	4.7'
10.0'	11.8		5.2'	5.7'
■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°				

MR16-12-24V6WLA • 508.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	407.0	80%
0-40	452.3	88.9%
0-60	493.1	96.9%
60-90	15.6	3.1%
70-100	4.9	1%
90-120	0	0%
0-90	508.7	100%
90-180	0	0%
0-180	508.7	100%

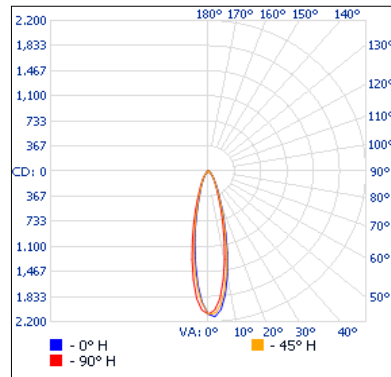
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	470		0.9'	1.0'
3.3'	125		1.7'	1.9'
5.0'	54.3		2.6'	2.8'
6.7'	30.2		3.5'	3.8'
8.3'	19.7		4.3'	4.7'
10.0'	13.6		5.2'	5.7'
<div>■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°</div>				

PHOTOMETRIC DATA

MR16-12-24V7WLA • 635.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80%
0-40	564.7	88.9%
0-60	615.7	96.9%
60-90	19.5	3.1%
70-100	6.1	1%
90-120	0	0%
0-90	635.2	100%
90-180	0	0%
0-180	635.2	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	0.9' 1.0'
3.3'	1.7' 1.9'
5.0'	2.6' 2.8'
6.7'	3.5' 3.8'
8.3'	4.3' 4.7'
10.0'	5.2' 5.7'

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

EBHZ HAZARDOUS LOCATION BATTERY UNIT

CLASS I, DIVISION 1, GROUPS C & D
GROUPS A & B
6, 12 OR 24VDC MODELS
120/347VAC INPUT

Designed to meet the strictest codes and standards, the EBHZ series of hazardous location battery units provides safe and dependable operation. The EBHZ series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available in 6, 12 and 24VDC models in a range of capacities from 36 to 320W, for 30 minutes duration.



FEATURES & SPECIFICATIONS

CIRCUITRY

- Range of input voltages 120 or 347VAC
- Single or double internal MR16 lamp assemblies
- 6VDC, 12VDC or 24VDC emergency power output versions (as specified)
- Wattage capacities from 36 to 320W
- 30 minutes emergency power duration standard
- Diagnostic/pilot LED for AC ON
- High efficiency, rapid recovery, precision control charging system
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery

MECHANICAL




- Die cast, copper free aluminum housing - grey aluminum finish
- Housing cavity accessed via large circular screw on/off cover plate
- Standard stainless steel one-way breather valve for release of gases and/or moisture condensation
- Housing c/w tapped and plugged rigid holes
- Solid state design and construction
- Oversized integral mounting holes/forks accept heavy-duty mounting hardware
- Internal MR16 lamp assembly is fully adjustable
- Temperature code: T6

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- Class I, Division 1, Groups C & D
- Class I, Groups A & B

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
INPUT VOLTAGE [VAC]		120 OR 347	OUTPUT POWER [W]
OUTPUT VOLTAGE [VDC]		6, 12 OR 24	36 - 320
<div>  <div>HAZARDOUS LOCATION</div>  <div>ICES 005</div>  </div>			

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

ORDERING GUIDE

EBHZ			1	1	CD		—			
SERIES	VOLTS [VDC]	WATTS [W]	CLASS	DIV.	GROUP	VOLTS [VAC]	HEAD	LAMP/HEAD	LAMP	
EBHZ	06 - 6 12 - 12 24 - 24	SEE MODEL RATING BELOW	1	1	C D	BLANK - 120/347	1Z - SINGLE 2Z - DOUBLE	1 - SINGLE LAMP ASSEMBLY 2 - DOUBLE LAMP ASSEMBLY	SEE LAMP SELECTION BELOW	

LAMP SELECTION

	6VDC	12VDC	24VDC
MR16			
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA	4WLR, 5WLA, 6WLA, 7WLA

LUMEN TABLE

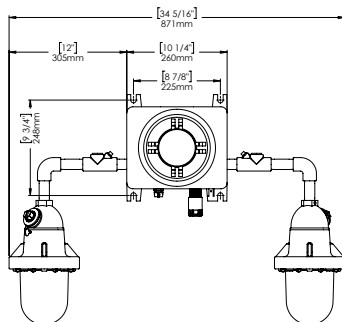
WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

MODEL RATINGS

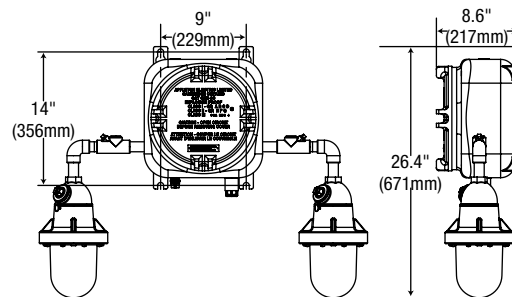
WATTAGE CAPACITIES						
MODEL	ENCLOSURE	VOLTS [VDC]	30 MIN.	60 MIN.	90 MIN.	120 MIN.
EBHZ06036	A	6	36	18	12	9
EBHZ06050	A	6	50	25	16	12
EBHZ06072	A	6	72	36	24	18
EBHZ12036	A	12	36	18	12	9
EBHZ12050	A	12	50	25	16	12
EBHZ12072	A	12	72	36	24	18
EBHZ12100	A	12	100	50	33	25
EBHZ12160	B	12	160	80	53	40
EBHZ12200	B	12	200	100	66	50
EBHZ24144	A	24	144	72	48	36
EBHZ24320	B	24	320	160	106	80

DIMENSIONS

ENCLOSURE A



ENCLOSURE B



Dimensions are subject to change according to exact Class, Division & Group specifications.

EBZN2

HAZARDOUS LOCATION BATTERY UNIT

CLASS I, DIVISION 2, GROUPS C, D



The EBZN2 series of Class I, Division 2 rated battery units is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type.



BOTTOM VIEW

- 1- AC ON PILOT LED
- 2- BREATHER VALVE
- 3- TEST SWITCH

FEATURES & SPECIFICATIONS

CIRCUITRY

- 120/347 V AC 60Hz Input, field selectable
- High efficiency, rapid recovery, precision control charging system
- 12 V DC emergency voltage output
- Wattage capacities from 36 to 200W
- 30 minutes emergency power duration standard
- Sealed momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Solid state design and construction with brownout and short circuit protection
- Temperature compensated
- Large terminal strip connector all electrical connections
- Complete battery recharge in 24 hours
- Maintenance free, sealed lead acid battery

MECHANICAL




- Heavy-duty non-metallic, reinforced construction
- One piece, molded and gasketed lens
- Bottom hinged cover, secured with two screws
- One-way breather valve for release of gases and/or moisture condensation
- All external metal hardware is stainless steel
- Wall mount construction
- Grey finish housing
- Top head mounting is standard

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- Class I, Division 2, Groups C, D

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
INPUT VOLTAGE [V AC]	120/347	OUTPUT POWER [W]	36 - 200
OUTPUT VOLTAGE [V DC]	12		
<div>  HAZARDOUS LOCATION  ICES 005  </div>			

For complete warranty details, please see our terms and conditions on our website

ORDERING GUIDE

EBZN2

SERIES	VOLTS [V DC]	WATTS [W]	HEAD/LAMP	LAMP
EBZN2	12 - 12	SEE MODEL RATING BELOW	0 - NO HEADS 1MW - ONE MR16 WEATHER-PROOF 2MW - TWO MR16 WEATHER-PROOF	SEE LAMP SELECTION CHART BELOW

Note: For detailed options descriptions, please consult the options page.

LAMP SELECTION

12 VOLTS	
MR16 - SMALL HEAD C/W MR16 LAMP	
QUARTZ HALOGEN	20WQ
LED	4WLR, 5WLA, 6WLA, 7WLA



Type MW - MR16

Die cast
20W max.

TEMPERATURE CODES

HEAD/LAMP	TEMPERATURE CODE [25°C]	TEMPERATURE CODE [40°C]
00	T5	T4A
MW4L	T5	T4A
MW5L	T3C	T3B
MW6L	T4	T3C
MW7L	T4	T3C
MW12Q	T3C	T3B
MW20Q	T2D	T2C
MW35Q	T2B	T2A
MW50Q	T1	T1

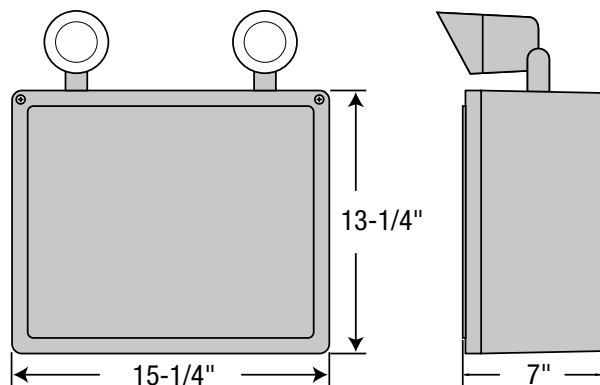
MODEL RATINGS

WATTAGE CAPACITIES					
MODEL	VOLTS [V DC]	30 MIN.	60 MIN.	90 MIN.	120 MIN.
EBZN212036	12	36	18	12	9
EBZN212050	12	50	25	16	12
EBZN212072	12	72	36	24	18
EBZN212100	12	100	50	33	25
EBZN212160	12	160	80	53	40
EBZN212200	12	200	100	66	50

LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

DIMENSIONS



RMHZ

HAZARDOUS LOCATION REMOTE FIXTURE

CLASS I, DIVISION 1, GROUPS C & D,
GROUPS A & B
6, 12 OR 24VDC MODELS
WALL, CEILING OR PENDANT MOUNT



Designed to meet the strictest Codes, the RMHZ series of hazardous location remote fixtures provides safe and dependable operation. The RMHZ series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available as 6V, 12V or 24V models with wall, ceiling or pendant mounted configuration.

FEATURES & SPECIFICATIONS

CIRCUITRY - AC & AC/DC

- Single or double internal MR16 lamp assemblies
- Quartz-halogen or LED lamps

MECHANICAL

- Die cast, copper free aluminum, grey finish
- Heavy-duty Pyrex glass lens
- Internal MR16 lamp assembly is fully adjustable
- Wall, ceiling or pendant mounting (as specified)
- Wiring pre-pulled through fixture
- Wall and ceiling models c/w integrated die cast junction box
- Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
- Temperature code: T6

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- Class I, Division 1, Groups C & D
- Class I, Groups A & B

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE		QUARTZ OR LED	OUTPUT VOLTAGE (VDC)
6, 12 OR 24			
 LED	 HAZARDOUS LOCATION	 ICES 005	

For complete warranty details, please see our terms and conditions on our website.

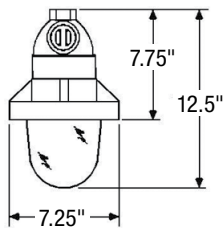
Data is based upon tests performed in a controlled environment. Actual performance may vary depending on operating conditions.

ORDERING GUIDE - LED

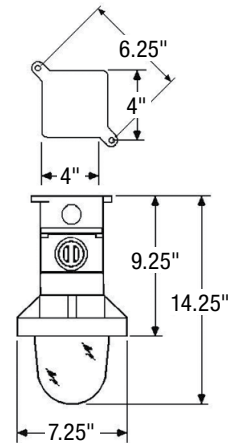
RMHZ			—					11CD	/		
SERIES	HEAD	NBR OF LAMPS	VOLTS [VDC]	WATTS [W]	LAMP TYPE	MOUNTING	CLASS DIV. GROUP		OPTIONS		
RMHZ	1- SINGLE 2- DOUBLE [WITH J-BOX]	1- SINGLE LAMP PER HEAD 2- DOUBLE LAMP PER HEAD	06-24V 6- 24 OPERATIONAL	4W - 4	LR - LED	C - CEILING MOUNT	11CD	CLASS 1 DIV 1 GROUP C & D	LGD - DIE CAST LENS GUARD		
				5W - 5	LA - LED	P - PENDANT MOUNT					
			12-24V 12- 24 OPERATIONAL	6W - 6	LA - LED	W - WALL MOUNT					
				7W - 7							

DIMENSIONS

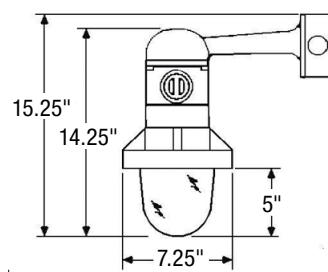
PENDANT MOUNT



CEILING MOUNT



WALL MOUNT



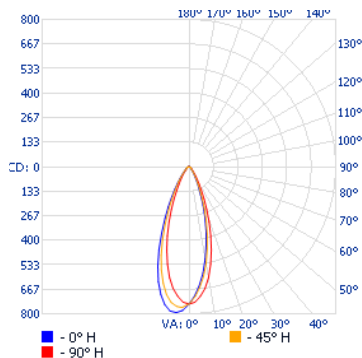
LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

PHOTOMETRIC DATA

MR16-06-24V4WLR - 228.7LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9
0-40	182.0	79.6
0-60	2114.8	93.9
60-90	13.9	6.1
70-100	4.1	1.8
90-120	0	0
0-90	228.7	100
90-180	0	0
0-180	228.7	100

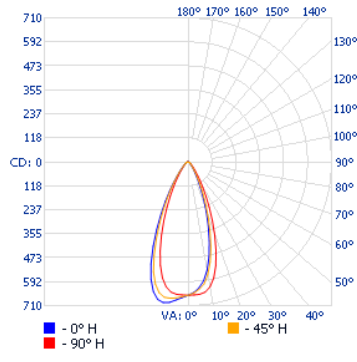
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			TABLE TITLE
1.7	167		1.1
3.3	44.5		2.1
5.0	19.4		3.2
6.7	10.8		4.3
8.3	7.04		5.3
10.0	4.65		6.4
■ Vert. Spread: 35.4°			

PHOTOMETRIC DATA

MR16-06-24V5WLA • 440.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	352.6	80
0-40	391.8	88.9
0-60	427.2	96.9
60-90	13.5	3.1
70-100	4.3	1
90-120	0	0
0-90	440.7	100
90-180	0	0
0-180	440.7	100

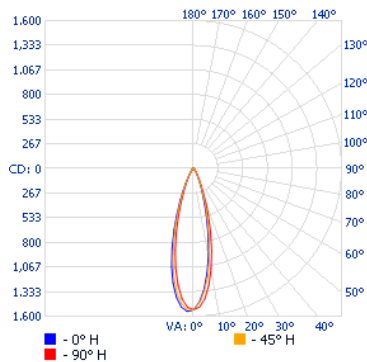
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		TABLE TITLE	
1.7	407	0.9	1.0
3.3	108	1.7	1.9
5.0	47.0	2.6	2.8
6.7	26.2	3.5	3.8
8.3	17.1	4.3	4.7
10.0	11.8	5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V6WLA • 508.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	407.0	80
0-40	452.3	88.9
0-60	493.1	96.9
60-90	15.6	3.1
70-100	4.9	1
90-120	0	0
0-90	508.7	100
90-180	0	0
0-180	508.7	100

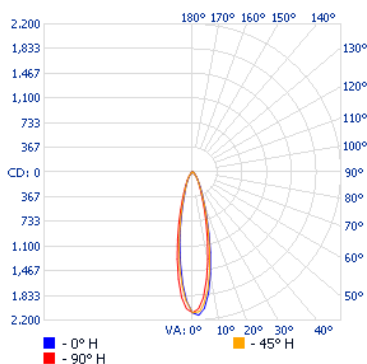
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		TABLE TITLE	
1.7	470	0.9	1.0
3.3	125	1.7	1.9
5.0	54.3	2.6	2.8
6.7	30.2	3.5	3.8
8.3	19.7	4.3	4.7
10.0	13.6	5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V7WLA • 635.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80
0-40	564.7	88.9
0-60	615.7	96.9
60-90	19.5	3.1
70-100	6.1	1
90-120	0	0
0-90	635.2	100
90-180	0	0
0-180	635.2	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		TABLE TITLE	
1.7	587	0.9	1.0
3.3	156	1.7	1.9
5.0	67.8	2.6	2.8
6.7	37.8	3.5	3.8
8.3	24.6	4.3	4.7
10.0	16.9	5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

AIMVC

HAZARDOUS LOCATION REMOTE FIXTURE

CLASS I, DIVISION 2, GROUPS A, B, C, D
CLASS II, DIVISION 1 AND 2, GROUPS E, F, G
CLASS III
6, 12 OR 24 V DC MODELS
WALL, CEILING OR PENDANT MOUNT



Designed to meet the strictest Codes, the AIMVC series of hazardous location remote fixtures provides safe and dependable operation. The AIMVC series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available as 6 V, 12 V or 24 V models with wall, ceiling or pendant mounted configuration.

FEATURES & SPECIFICATIONS

CIRCUITRY

- Single or double internal MR16 lamp assemblies
- Quartz-halogen bi-pin or LED lamps

MECHANICAL

- Die cast, copper free aluminum, grey finish
- Heavy-duty Pyrex glass lens
- Internal MR16 lamp assembly is fully adjustable
- Wall, ceiling or pendant mounting (as specified)
- Wiring pre-pulled through fixture
- Wall and ceiling models c/w integrated die cast junction box
- Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes

APPROVALS

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1 and 2, Groups E, F, G
- Class III

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
OUTPUT VOLTAGE [V DC]		6, 12 OR 24	
 LED	 HAZARDOUS LOCATION	 ICES 005	

ORDERING GUIDE - LED

AIMVC		—					/	
SERIES	HEAD	NBR OF LAMPS	VOLTS (V DC)	WATTS (W)	LAMP TYPE	MOUNTING	OPTIONS¹	
AIMVC	1- SINGLE 2 - DOUBLE [WITH J-BOX]	1- SINGLE LAMP PER HEAD 2- DOUBLE LAMP PER HEAD	06-24V - 6- 24 OPERATIONAL	4W - 4	LR - LED	C - CEILING MOUNT P - PENDANT MOUNT W - WALL MOUNT	LGD - DIE CAST LENS GUARD	
				5W - 5	LA - LED			
			12-24V 12 - 24 OPERATIONAL	6W - 6	LA - LED			
				7W - 7				

¹ For detailed options descriptions, please consult the options page.

TEMPERATURE CODE

HEAD/LAMP	TEMPERATURE CODE [25°C]	TEMPERATURE CODE [40°C]	SIMULTANEOUS CLASS I, II AND III
4WLR	T3C	T3A	T2D
5WLA	T3A	T3	T2D
6WLA	T3A	T3	T2D
7WLA	T3A	T3A	T2D

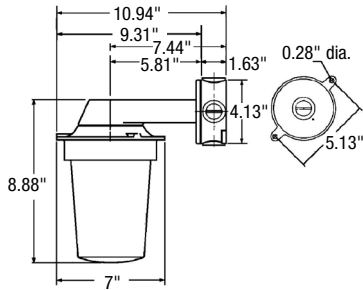
LUMEN TABLE

WATTS	LUMENS
4W LR	388
5W LA	435
6W LA	507
7W LA	652

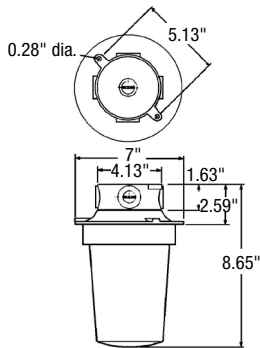
DIMENSIONS

SINGLE HEAD

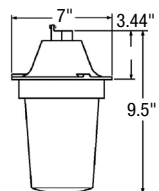
WALL MOUNT



CEILING MOUNT

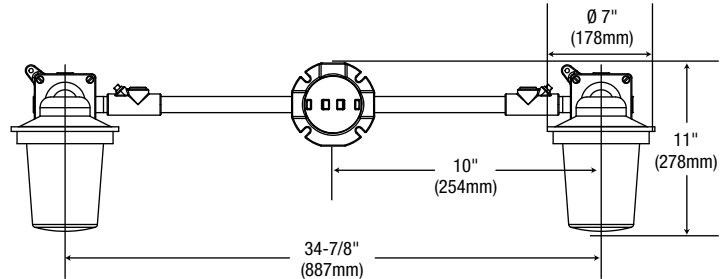


PENDANT MOUNT

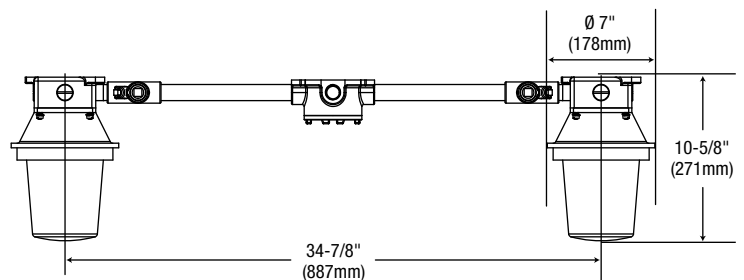
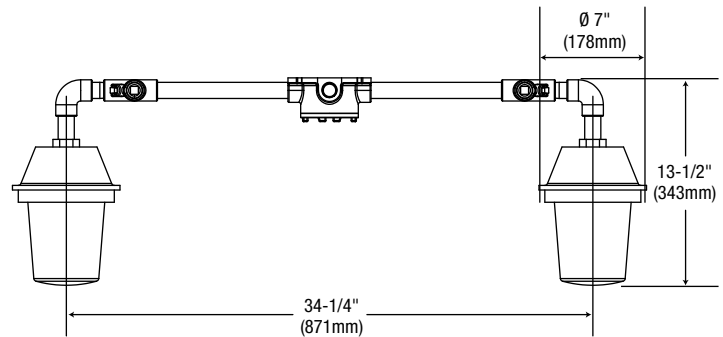


DOUBLE HEAD

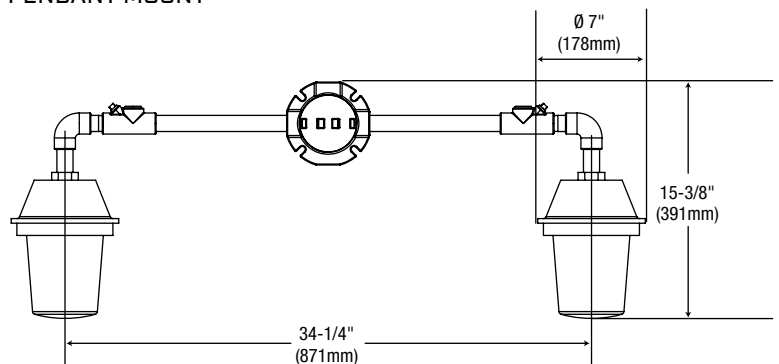
WALL MOUNT



CEILING MOUNT



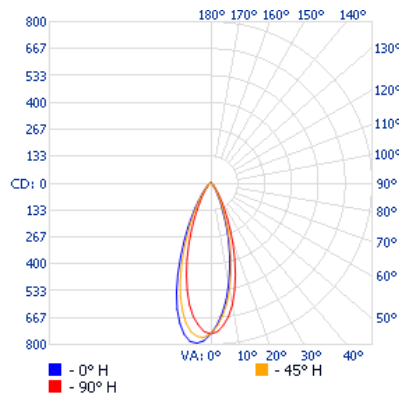
PENDANT MOUNT



PHOTOMETRIC DATA

MR16-06-12V4WLR • 228.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9
0-40	182.0	79.6
0-60	214.8	93.9
60-90	13.9	6.1
70-100	4.1	1.8
90-120	0	0
0-90	228.7	100
90-180	0	0
0-180	228.7	100

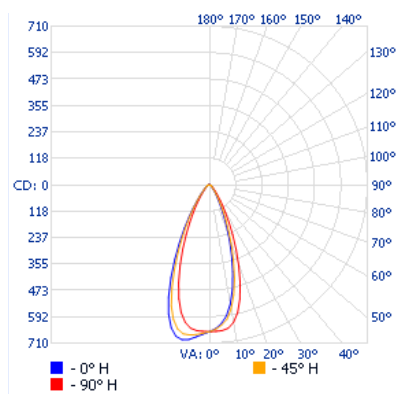
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7	168		1.1	
3.3	44.5		2.1	
5.0	19.4		3.2	
6.7	10.8		4.3	
8.3	7.04		5.3	
10.0	4.85		6.4	

■ Vert. Spread: 35.4°

MR16-06-24V5WLA • 440.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	352.6	80
0-40	391.8	88.9
0-60	427.2	96.9
60-90	13.5	3.1
70-100	4.3	1
90-120	0	0
0-90	440.7	100
90-180	0	0
0-180	440.7	100

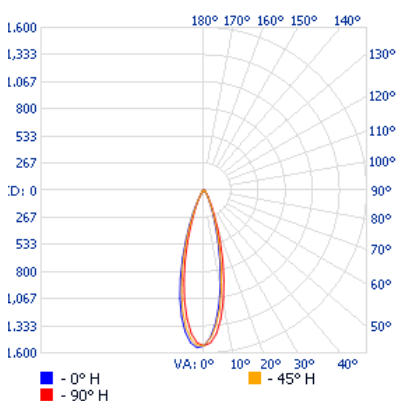
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7	407		0.9	1.0
3.3	108		1.7	1.9
5.0	47.0		2.6	2.8
6.7	26.2		3.5	3.8
8.3	17.1		4.3	4.7
10.0	11.8		5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V6WLA • 508.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	407.0	80
0-40	452.3	88.9
0-60	493.1	96.9
60-90	15.6	3.1
70-100	4.9	1
90-120	0	0
0-90	508.7	100
90-180	0	0
0-180	508.7	100

ILLUMINANCE AT A DISTANCE

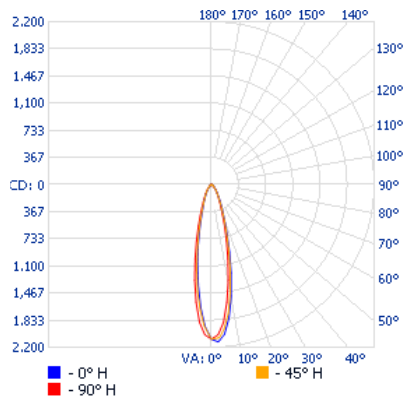
CENTER BEAM FC			BEAM WIDTH	
1.7	470		0.9	1.0
3.3	125		1.7	1.9
5.0	54.3		2.6	2.8
6.7	30.2		3.5	3.8
8.3	19.7		4.3	4.7
10.0	13.6		5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

PHOTOMETRIC DATA

MR16-12-24V7WLA - 635.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80
0-40	564.7	88.9
0-60	615.7	96.9
60-90	19.5	3.1
70-100	6.1	1
90-120	0	0
0-90	635.2	100
90-180	0	0
0-180	635.2	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7	587	0.9	1.0
3.3	156	1.7	1.9
5.0	67.8	2.6	2.8
6.7	37.8	3.5	3.8
8.3	24.6	4.3	4.7
10.0	16.9	5.2	5.7

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°



NOTES



NOTES



NOTES



AimLite

2233 rue de l'Aviation,
Dorval QC
H9P2X6, CA

T 514 227-1288
TF 1 866 348-2374
f @ y aimlite.com

2024-02-10