Project _____ Type _____

Catalogue n° _____ Date _____

AimLite

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
- IP66
- IK10
- 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		

BRIDGE EMERGENCY LIGHTING LUMINAIRE REMOTE NORMALLY **ON** | LED | WET LOCATION | 66 IP RATING | ICES 005 | HAZARDOUS LOCATION | IK10 IMPACT RESISTANCE | SANITATION NSF/ANSI 2

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

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

TYPICAL SPECIFICATION

TYPICAL SPECIFICATION

Supply and install Aimlite EBNX. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable polycarbonate housing and be HAZARDOUS LOCATION Class I, div 2, groups A, B, C, D Class II, div 2, groups F, G Class III, div 2, CSA listed to C22.2 141-15 Nema 2 ,3, 3R, 4, 4X, 5, 12, 12K, NSF 2, IP66, IK10 and be ICES 005 compliant. The unit shall have an output of: __V and __W and come complete with (2) x __ W LED heads producing (__) lumens each. The charge voltage factory set to ± 1% tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery at full voltage. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge. The Aimlite battery shall come complete with an auto diagnostic micro-controller board and shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The Aimlite battery unit shall come complete with the Auto Test function. The automated testing performed by the Aimlite auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements. The unit shall be Aimlite model: EBNX_____

EBNX

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 (Ni-Cd if ordered with CW1)

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

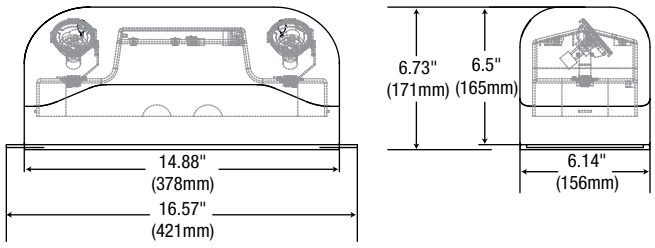
LUMEN TABLE

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

LAMP SELECTION

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

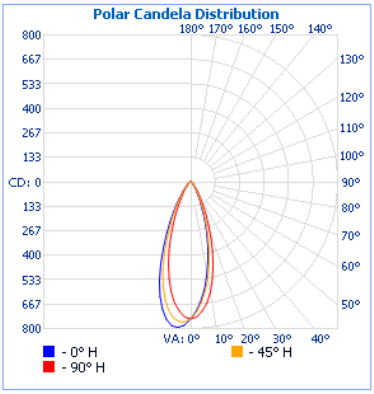
DIMENSIONS



PHOTOMETRIC DATA[1]

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

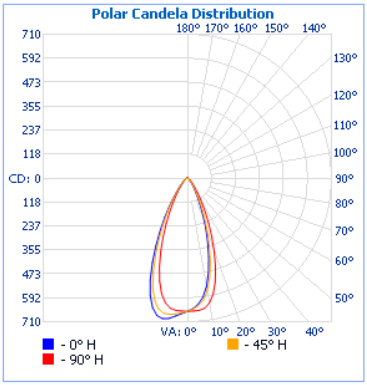
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	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 • 440.7 LM

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

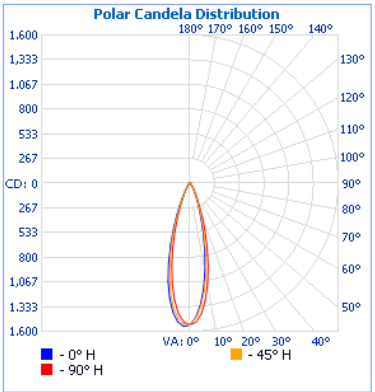
ILLUMINANCE AT A DISTANCE

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 • 508.7 LM

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°

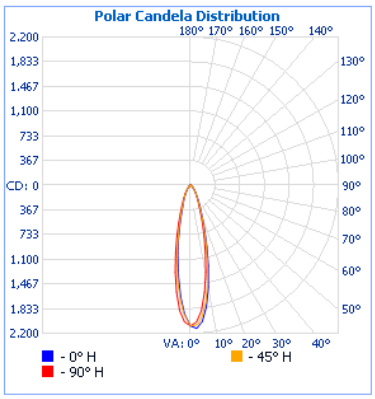
[1] Complete IES files available on our website.

EBNX

PHOTOMETRIC DATA[1]

MR16-12-24V7WLA • 635.2 LM

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°

[1] Complete IES files available on our website.