

Project _____
Catalogue n° _____

Type _____
Date _____

AimLite

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



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.

AimLite

AIMVC • REV. 25/1/2023

T 514 227-1288

TF 1 866 348-2374

aimlite.com

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

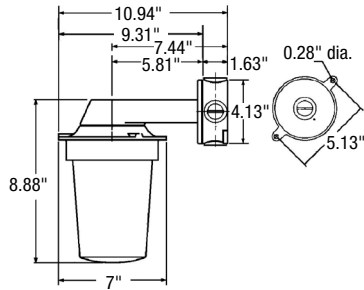
LUMEN TABLE

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

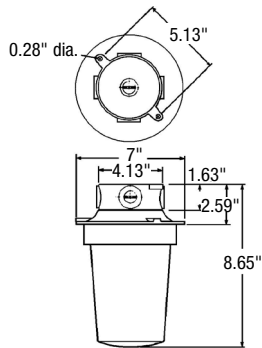
DIMENSIONS

SINGLE HEAD

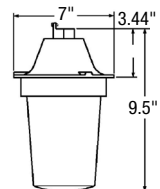
WALL MOUNT



CEILING MOUNT

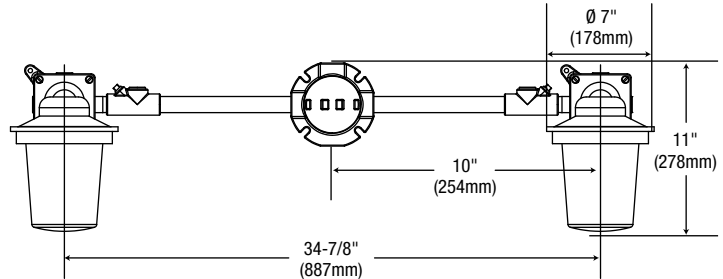


PENDANT MOUNT

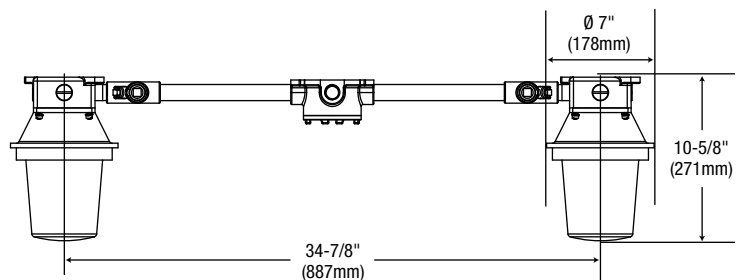
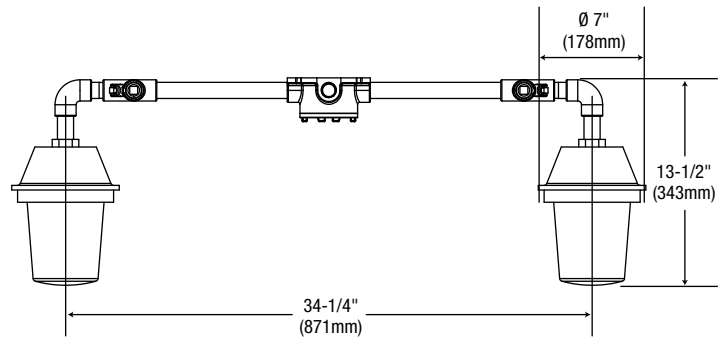


DOUBLE HEAD

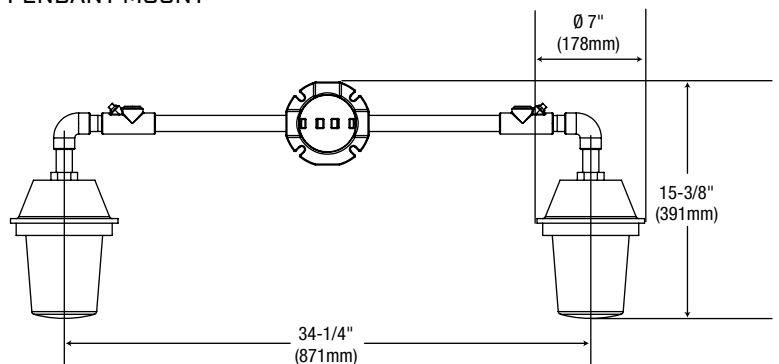
WALL MOUNT



CEILING MOUNT



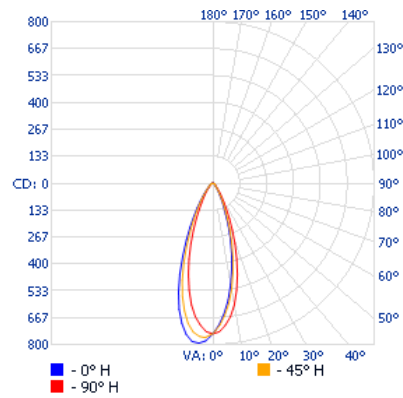
PENDANT MOUNT



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

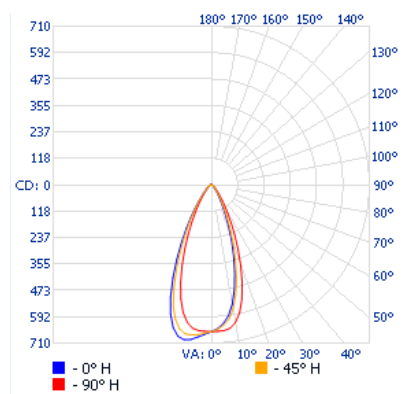
ILLUMINANCE AT A DISTANCE

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

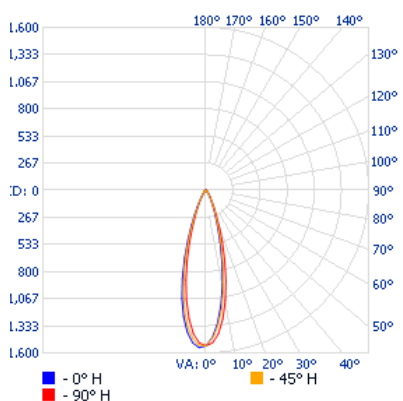
ILLUMINANCE AT A DISTANCE

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

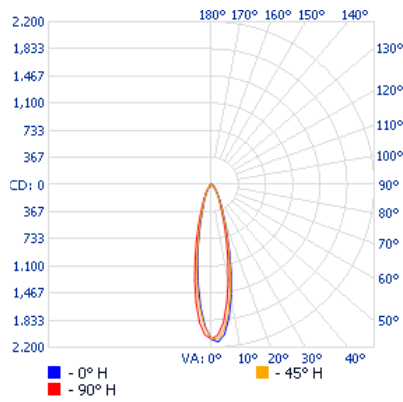
CENTER BEAM FC		BEAM WIDTH	
1.7	470	0.9	1.0
3.3	125	1.7	1.9
5.0	54.3	2.6	2.8
6.7	30.2	3.5	3.8
8.3	19.7	4.3	4.7
10.0	13.6	5.2	5.7

■ 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°