

EBQV

VANDAL RESISTANT BATTERY UNIT

The EBQV series of vandal resistant battery units is designed to withstand intentional abuse and tampering. The lamp assemblies are completely shielded within a pair of heavy-duty, single piece, molded Lexan cubes. The durable, all steel cabinet utilizes a wrap-around cover plate for added protection and strength. The EBQV series is available in 6 VDC, 12 VDC and 24 VDC versions in a range of wattage capacities between 36 and 320 W, for 30 minutes duration. Units can be fitted with a wide range of lamp head types and options, including auto-testing self-diagnostics and remote testing.



FEATURES & SPECIFICATIONS

CIRCUITRY

- 120/347 VAC or 277 VAC 60Hz Input
- High efficiency, rapid recovery, precision control charging system
- 6 VDC, 12 VDC or 24 VDC emergency power output versions [as specified]
- Wattage capacities from 36 to 320 W
- 30 minutes emergency power duration standard
- Momentary push button test switch
- Diagnostic/pilot LEDs for AC ON and CHARGE
- Fully automatic, current limited charger
- Brownout and short circuit protection

- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Complete battery recharge in 24 hours
- Maintenance free, sealed lead acid battery
- Optional automatic-testing, self-diagnostic charger board:
 - Continuously monitors the operational status of the battery unit
 - Automatically performs battery and lamp load testing at preset intervals
 - Indicates any component malfunctions or automated test failures




MECHANICAL

- Heavy-duty, one piece, molded Lexan cube lamp assembly shields
- 20 Gauge steel construction housing
- U-shaped wrap-around steel cover plate
- Low profile, rectangular cabinet
- Multiple conduit entry knockouts
- Universal spider knockout pattern and keyhole mounting slots stamped into back of cabinet
- Up to two lamp assemblies per cube available in either PAR18 small style or MR16 lamp
- Variety of lamp wattages available

- Each individual lamp assembly is fully adjustable and aimable
- White powder coat finish standard, other finishes and colors optional

COMPLIANCES

- CSA Certified to C22.2 #141-15
- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED, QUARTZ HALOGEN, TUNGSTEN	OUTPUT VOLTAGE [VDC]	6, 12, 24
INPUT VOLTAGE [VAC]	120/347 OR 277	OUTPUT POWER [W]	36 - 320
<div>    </div>			

ORDERING GUIDE

SERIES	VOLTS [V]	WATTS	LAMP ASSEMBLY	LAMP TYPE	COLOR	INPUT VOLTAGE [V]	OPTIONS
EBQV	06 - 6 12 - 12 24 - 24	SEE MODEL RATING BELOW	2 - TWO LAMPS (1 PER CUBE) 4 - FOUR LAMPS (2 PER CUBE)	SEE LAMP LIST Q - QUARTZ T - TUNGSTEN Q/MR16 - QUARTZ MR16 LMR16 - LED MR16	WHT - WHITE BLK - BLACK GRY - GREY	BLANK - 120/347 277 - 277	ATD, AUD, AUE, FS6, RMT, LPD, RDS, TDL, VDR

LAMP SELECTION

6 VOLTS		12 VOLTS		24 VOLTS	
BI-PIN • QUARTZ OR TUNGSTEN					
QUARTZ HALOGEN			10WQ		
TUNGSTEN	09WT		09WT		09WT, 18WT
MR16 • SMALL HEAD C/W MR16 OR LED LAMP					
LED	4WLR, 5WLA		4WLR, 5WLA, 6WLA, 7WLA		4WLR, 5WLA, 6WLA, 7WLA
QUARTZ HALOGEN	10WQ		20WQ		12WQ, 20WQ

Note: Due to cabinet/space limitations, not all options are available for all models in any given combination. Please consult with your factory representative regarding specific options and exact cabinet dimension information.

MODEL RATINGS

MODEL	VOLTS [V]	WATTAGE CAPACITIES (W)				
		30 MIN.	60 MIN.	90 MIN.	120 MIN.	SIZE
EBQV06036	6	36	18	12	9	M
EBQV06050		50	25	16	12	M
EBQV06072		72	36	24	18	M
EBQV06100		100	50	33	25	M
EBQV06160		160	80	53	40	L
EBQV12036	12	36	18	12	9	M
EBQV12050		50	25	16	12	M
EBQV12072		72	36	24	18	M
EBQV12100		100	50	33	25	M
EBQV12144		144	72	48	36	L
EBQV12160		160	80	53	40	L
EBQV12200		200	100	66	50	L
EBQV12250		250	125	83	62	L
EBQV24144	24	144	72	48	36	L
EBQV24200		200	100	66	50	L
EBQV24320		320	160	106	80	L

WIREGUARD¹

	PART NUMBER	DIMENSIONS (IN)
CABINET M	WGD560-V2	27.25 X 11.25 X 8
CABINET L	WGD660-V2	33 X 11.75 X 10

¹ Please contact your AimLite customer service representative for more information.

LEXAN GUARD

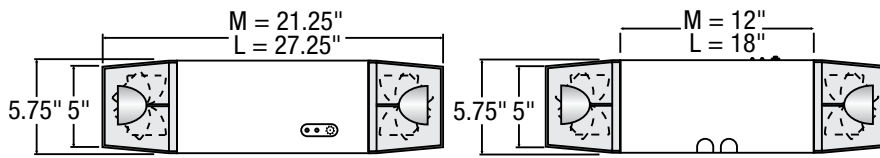
	PART NUMBER	DIMENSIONS (IN)
WALL MOUNT	PGD112	27.75 X 6.25 X 6.37

EMERGENCY LIGHTING OPTIONS

DESCRIPTION		DESCRIPTION	
ATD	AUTOMATIC TEST AND SELF-DIAGNOSTIC	LPD	LAMP DISCONNECT (INTERNAL)
AUD	AUDIBLE ALARM	RDS	RADIO FREQUENCY SUPPRESSION (SPECIFY AC VOLTAGE)
AUE	AUDIBLE EMERGENCY	TDL	TIME DELAY (SPECIFY AC VOLTAGE)
FS6	6 CIRCUIT FUSED INTERNAL DISTRIBUTION	VDR	TAMPER PROOF SCREWS
RMT	INFRARED REMOTE TEST		

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.

DIMENSIONS



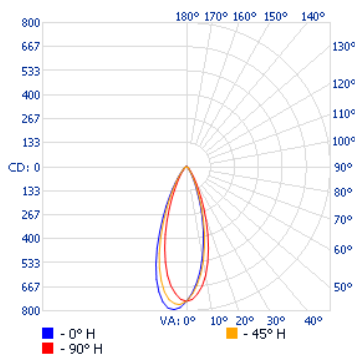
LUMEN TABLE

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%

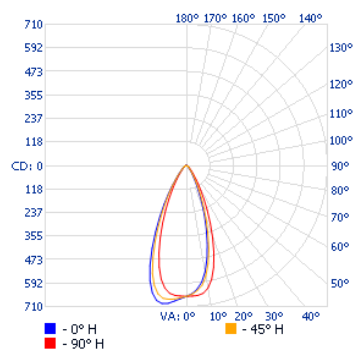
ILLUMINANCE AT A DISTANCE

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'

■ Beam. 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'	0.9'
3.3'	1.7'
5.0'	2.6'
6.7'	3.5'
8.3'	4.3'
10.0'	5.2'

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

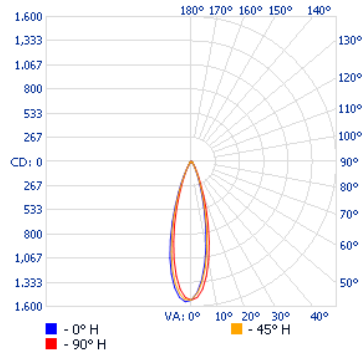
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA

MR16-12-24V6WLA • 508.7 LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

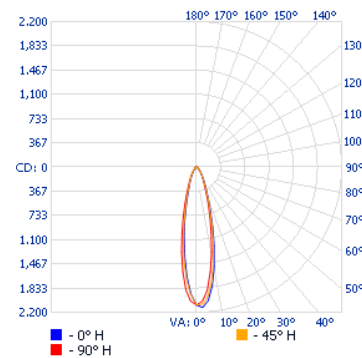
ZONE	LUMENS	% FIXTURE
0-30	407.0	80%
0-40	452.3	88.9%
0-60	493.1	96.9%
60-90	15.6	3.1%
70-100	4.9	1%
90-120	0	0%
0-90	508.7	100%
90-180	0	0%
0-180	508.7	100%

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'
<div><div></div> Vert. Spread: 29.3°<div></div> Hor. Spread: 31.7°</div>				

MR16-12-24V7WLA • 635.2 LM

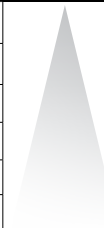
POLAR CANDELA DISTRIBUTION



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		16.9'	5.7'
<div>■ Vert. Spread: 29.3°</div> <div>■ Hor. Spread: 31.7°</div>				

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