

EBS4 STEEL BATTERY UNIT



The EBS4 series is designed to provide dependable and efficient emergency lighting in a modern design. The EBS4 utilizes a sturdy, all steel housing that facilitates quick installation. This series is available in 12V and provides wattage capacity of 100W of emergency power.

FEATURES & SPECIFICATIONS

CIRCUITRY

- LED ultra-bright light source
- 120, 277 or 347VAC input
- Wattage capacity of 100W
- 30 minutes of emergency power duration is standard
- Infrared feature comes standard
- Pilot LEDs for AC ON and CHARGE
- Fully automatic, current limited charger
- Solid state design and construction
- Brownout and short circuit protection
- Temperature compensated
- Maintenance free, sealed lead acid battery

MECHANICAL

- 20-gauge steel construction
- Slide out faceplates for rapid and simple installation
- White powder coat finish standard
- PAR18 small style, high impact thermoplastic heads are standard [SM]
- Optional heads include die cast metal MR16 type [MD]
- Bottom head mounting is standard

COMPLIANCE

- Meets requirements of ICES-005

APPROVALS

- CSA certified to C22.2 #141-15

OVERVIEW

INPUT VOLTAGE (VAC)	120, 277 OR 347
OUTPUT VOLTAGE (VDC)	12
OUTPUT POWER (W)	100



CANADIAN
MADE



LED



ICES
005



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

ORDERING GUIDE

EBS4	12	100	0	—				/	IT	/	
SERIES	VOLTS [VDC]	WATTS [W]	NUMBER OF FACE	HEADS QUANTITY	HEADS TYPE	LAMP SELECTION	AC VOLTAGE	MANDATORY OPTIONS	OPTIONS		
EBS4	12 - 12VDC	100 - 100W	0 - NO FACE	0	BLANK - NO HEADS	SEE LAMP SELECTION CHART	120 - 120V 277 - 277V 347 - 347V	IT - INFRARED	ACT, ATD, AUE¹, DCT, FS6, LPD, RDS, VDR		
				3	SM -PAR18						
				4	MD - MR16						
				6							
				8							

¹ Only available with AT.

OPTIONS

DESCRIPTION		DESCRIPTION	
ACT	AC TERMINAL BLOCK	FS6	6 CIRCUIT FUSED INTERNAL DISTRIBUTION
ATD	AUTOMATIC TEST SELF-DIAGNOSTIC	LPD	LAMP DISCONNECT (INTERNAL)
AUE	AUDIBLE EMERGENCY	RDS	RADIO FREQUENCY SUPPRESSION
DCT	DC TERMINAL BLOCK	VDR	TAMPER PROOF SCREWS

MODEL RATINGS

MODE	VOLTAGE	WATTAGE CAPACITY			
		30 MIN.	60 MIN.	90 MIN.	120 MIN.
EBS412100	12V	100W	50W	33W	25W

LUMEN TABLE

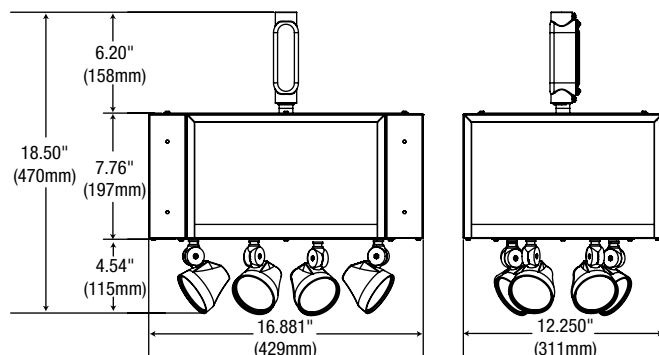
WATTS	LUMENS
3W LJ	313
4W LJ	388
5W LJ	590
4W LR	388
5W LA	435
6W LA	507
7W LA	652

LAMP SELECTION

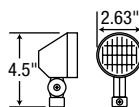
PAR18 • SMALL HEADS			
3WLJ	LED LAMPS LJ SERIES	12V	3W
4WLJ	LED LAMPS LJ SERIES	12V	4W
5WLJ	LED LAMPS LJ SERIES	12V	5W
MR16 • SMALL HEADS C/W MR16 LAMP			
4WLR	LED LAMPS LR SERIES	12V	4W
5WLA	LED LAMPS LA SERIES	12V	5W
6WLA	LED LAMPS LA SERIES	12V	6W
7WLA	LED LAMPS LA SERIES	12V	7W

DIMENSIONS

WITH PAR18



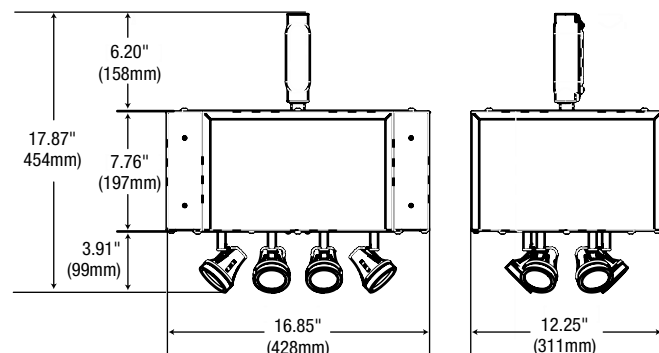
PAR18 HEAD



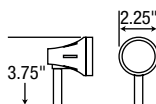
TYPE SM • PAR18

Thermostatic
5W max.

WITH MR16



MR16 HEAD



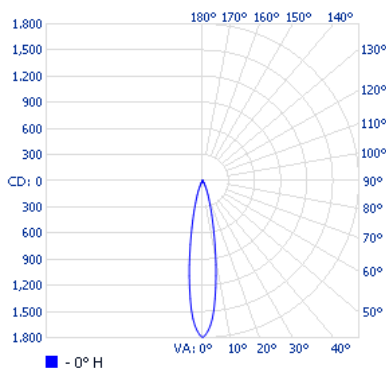
TYPE MD • MR16

Die cast
7W max.

PHOTOMETRIC DATA¹

PAR18-06-12V3WLJ • 309.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	282.9	91.6%
0-40	297.5	96.3%
0-60	306.9	99.3%
60-90	2.1	0.7%
70-100	0.3	0.1%
90-120	0	0%
0-90	309.0	100%
90-180	0	0%
0-180	309.0	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	0.6'
3.3'	1.1'
5.0'	1.7'
6.7'	2.3'
8.3'	2.8'
10.0'	3.4'

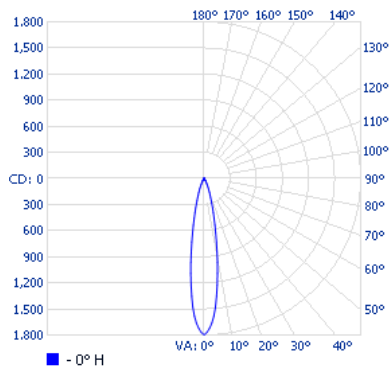
■ Beam Spread: 19.3°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

PAR18-06-12V4WLJ • 429.5 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	325.3	75.7%
0-40	369.4	86%
0-60	410.4	95.5%
60-90	19.2	4.5%
0-90	429.5	100%

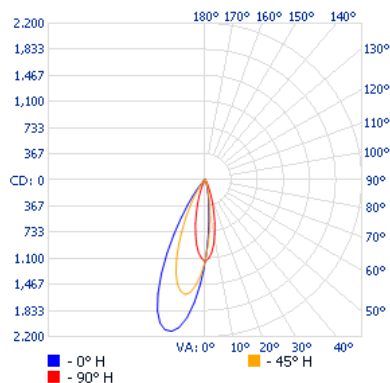
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	402	0.8'	8.2'
3.3'	107	1.6'	16.4'
5.0	46.4	2.4'	24.6'
6.7	25.9	3.2'	32.8'
8.3	16.9	3.9'	41.0'
10.0	11.6	4.7'	49.2'

■ Vert. Spread: 26.6° ■ Hor. Spread: 27.1°

PAR18-06-12V5WLJ • 655.3 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	515.6	78.7%
0-40	595.7	90.9%
0-60	637.2	97.2%
60-90	18.0	2.8%
0-90	655.3	100%

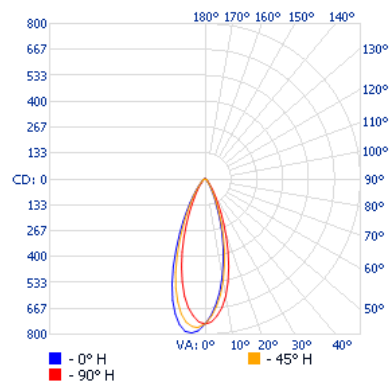
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	396	0.9'	0.9'
3.3'	105	1.7'	1.7'
5.0	45.8	2.5'	2.6'
6.7	25.5	3.4'	3.5'
8.3	16.6	4.2'	4.3'
10.0	11.5	5.1'	5.2'

■ Vert. Spread: 28.6° ■ Hor. Spread: 29.4°

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'	

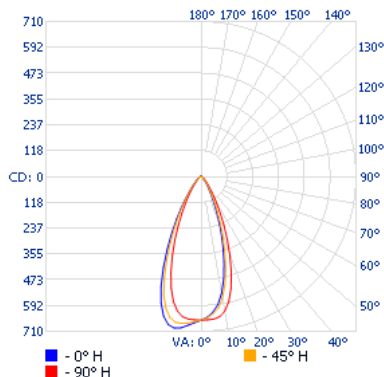
■ Beam Spread: 35.4°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

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%

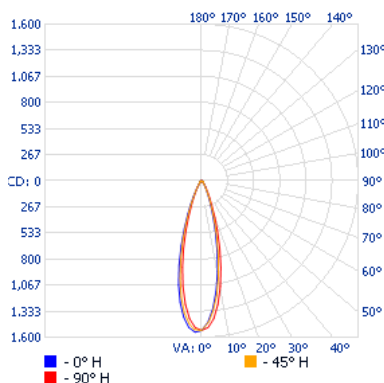
ILLUMINANCE AT A DISTANCE

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%

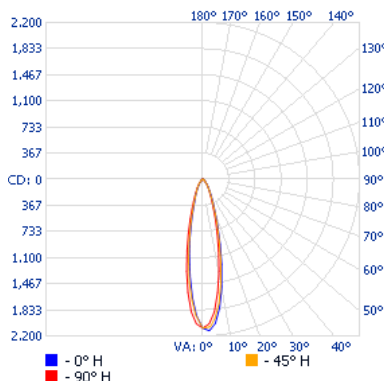
ILLUMINANCE AT A DISTANCE

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°

MR16-06-24V7WLA • 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.