

EB4R

STEEL COMBO RUNNING MAN

12V-100W CAPACITY • 120, 277, OR 347V AC INPUT
 HIGH POWER DEL

The EB4R series is designed to provide dependable and efficient emergency lighting in a modern design. The EB4R 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

ELECTRICAL AND CIRCUITRY

- LED ultra-bright light source
- 120V, 277V, or 347V AC 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

APPROVALS

- CSA certified to C22.2 #141-15

COMPLIANCE

- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	INPUT VOLTAGE [V AC]	120, 277, OR 347
OUTPUT VOLTAGE [V DC]	12	OUTPUT CAPACITY [W]	100
 LED  ICES 005  CANADIAN MADE  CSA® Energy Verified Energie Verifiée			

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

EB4R	12	100	—				/	IT	/
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SERIES	VOLTAGE	WATTAGE	NUMBER OF FACE	HEADS QUANTITY	HEADS TYPE	LAMP SELECTION	AC VOLTAGE	MANDATORY OPTIONS	OPTIONS
EB4R	12 - 12V	100 - 100W	3- 3 faces	0	Blank - No heads	See lamp selection chart	120 - 120V 277 - 277V 347 - 347V	IT - Infrared	ATD - Autotest self-diagnostics AUE - Audible Emergency RDS - Radio Frequency Suppression
				3	SM - PAR18				
				6	MD - MR16				
			4- 4 faces	0	Blank - No heads				
				4	SM - PAR18				
				8	MD - MR16				

MODEL RATINGS

Mode	Voltage	Wattage capacity			
		30 min.	60 min.	90 min.	120 min.
EB4R12100	12V	100W	50W	33W	25W

LAMP SELECTION

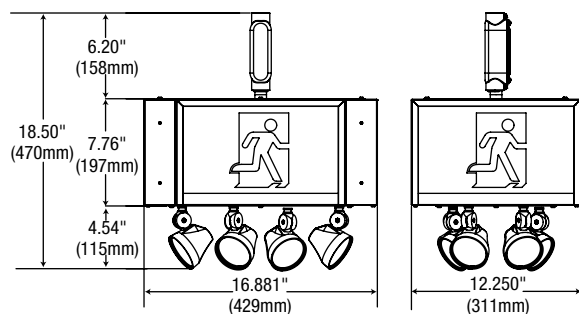
PAR18 • Small heads			
3WLJ	LED lamps LJ series	12V	3W
4WLJ	LED lamps LJ series	12V	4W
5WLJ	LED lamps LJ series	12V	5W
MR16 • Small heads c/w MR16 lamp			
4WLR	LED lamps LR series	12V	4W
5WLA	LED lamps LA series	12V	5W
6WLA	LED lamps LA series	12V	6W
7WLA	LED lamps LA series	12V	7W

LUMEN TABLE

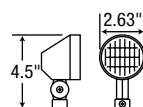
WATTS	LUMENS
3W LJ	313
4W LJ	388
5W LJ	590
4W LR	388
5W LA	435
6W LA	507
7W LA	652

DIMENSIONS

WITH PAR18



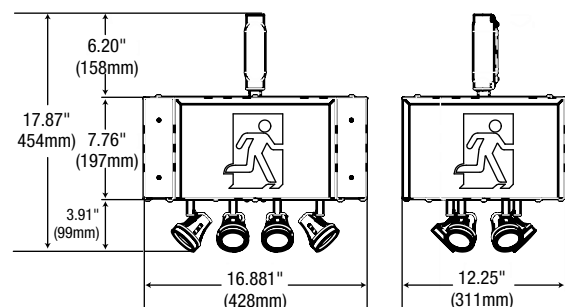
PAR18 HEAD



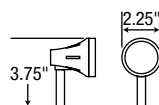
TYPE SM • PAR18

Thermostatic
5W max.

WITH MR16



MR16 HEAD



TYPE MD • MR16

Die cast
7W max.

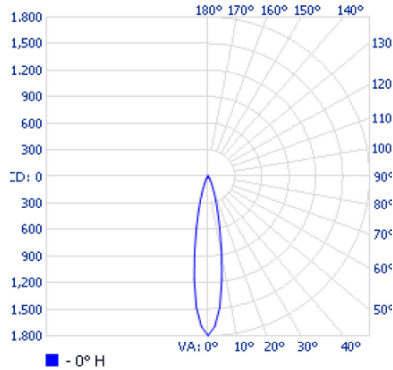


Comes standard with three pictogram legends for direction selection for each face.

PHOTOMETRIC DATA¹

PAR18-06-12V3WLJ • 310.1LM

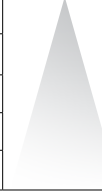
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

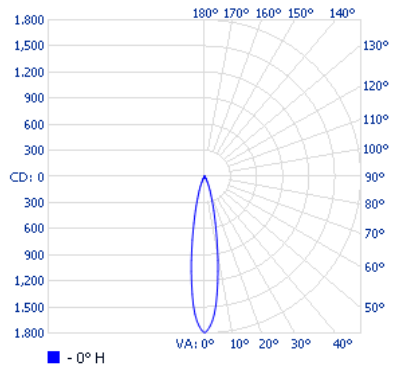
ZONE	LUMENS	% FIXTURE
0-30	283.7	91.5
0-40	298.5	96.3
0-60	308.0	99.3
60-90	2.1	0.7
70-100	0.3	0.1
90-120	0.3	0.1
0-90	310.1	100
90-180	0	0
0-180	310.1	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0	499.1		0.7"
4.0	112.3		1.4"
6.0	49.9		2.0"
8.0	28.1		2.7"
10.0	18.0		3.4"
Vert. Spread: 19.3°			

PAR18-06-12V4WLJ • 429.5 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

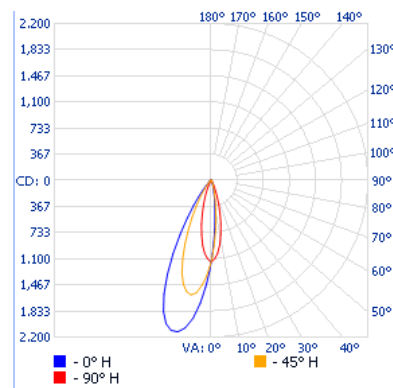
ZONE	LUMENS	% FIXTURE
0-30	325.3	75.7%
0-40	369.4	86%
0-60	410.4	95.5%
60-90	19.2	4.5%
0-90	429.5	100%

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 • 655.3LM

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

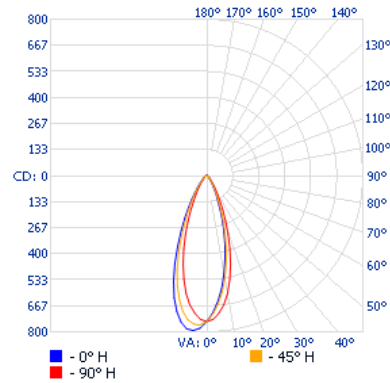
CENTER BEAM FC		BEAM WIDTH	
1.7	396		0.9" 1.0"
3.3	105		1.7" 1.7"
5.0	45.8		2.5" 2.6"
6.7	25.5		3.4" 3.5"
8.3	16.6		4.2" 4.3"
10.0	11.5		5.1" 5.2"
■ Vert. Spread: 28.6° ■ Hor. Spread: 29.4°			

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

MR16-06-24V4WLR • 228.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

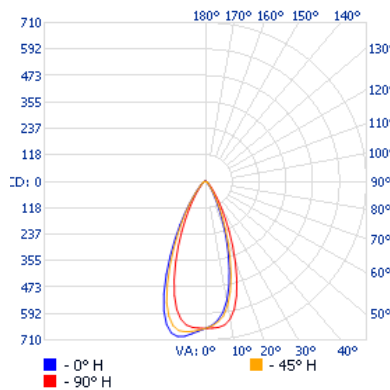
ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9
0-40	182.0	79.6
0-60	214.8	93.9
60-90	13.9	6.1
70-100	4.1	1.8
90-120	0	0
0-90	228.7	100
90-180	0	0
0-180	228.7	100

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

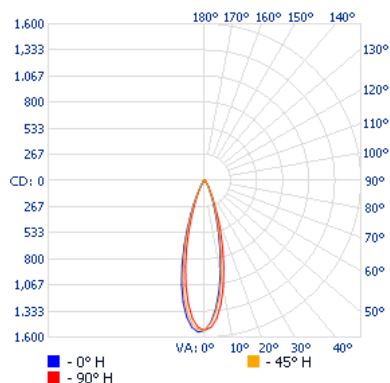
ZONE	LUMENS	% FIXTURE
0-30	352.6	80
0-40	391.8	88.9
0-60	427.2	96.9
60-90	13.5	3.1
70-100	4.3	1
90-120	0	0
0-90	440.7	100
90-180	0	0
0-180	440.7	100

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"
■ 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

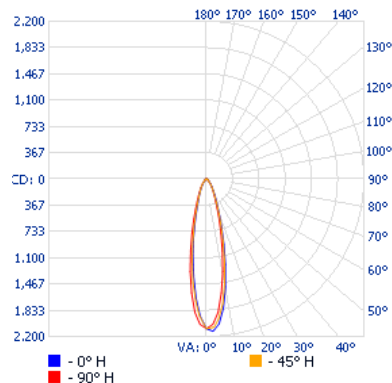
CENTER BEAM FC		BEAM WIDTH		
1.7	470		0.9"	1.0"
3.3	125		1.7"	1.9"
5.0	54.3		2.6"	2.8"
6.7	30.2		3.5"	3.8"
8.3	19.7		4.3"	4.7"
10.0	13.6		5.2"	5.7"
■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°				

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

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°

¹ Complete IES files available on our website.