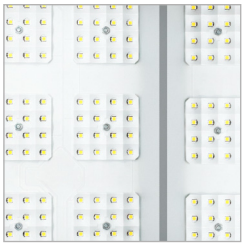
WARRIOR LED
SPI Heavy Industrial Mid Power Bay Light











Power / Performance

High lumen output up to 15,000 lumens, designed to directly replace traditional discharge light sources up to 250W SON.

Robust and Durable

Robust and durable construction from marine grade aluminium and with a wide operating temperature for even the most challenging conditions.

Intelligent Emergency

Self-testing emergency battery providing up to 3 hours emergency back-up.

Multiple Beam Angles

Available with a range of beam patterns to effectively light up large open areas such as service yards. The use of secondary optics means no loss of output on wider angles.

5 YEAR WARRANTY

All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years. See Warranty Statement for details.

5 YEAR WARRANTY

Raytec Global (excluding Americas): +44 (0) 1670 520055 • sales@raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

Technical Specifications

Electrical	5K	7.5K	10K	12.5K	15K	20K
Input	150-264V 50/60Hz AC/DC 110V variant available - please contact Raytec					
Power	50W	60W	80W	100W	120W	150W
Termination	Incoming terminal block suitable for looping 4 core 4mm² cable					
Power Factor	>0.95					
Cable Entries	2xM20 as standard (other entries available upon request), dispatched complete with one blanking plug					

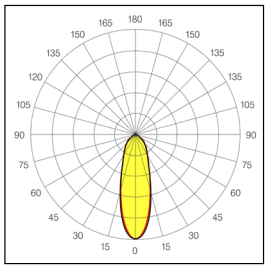
Optical	5K	7.5K	10K	12.5K	15K	20K
Beam Patterns	See light distribution graphs below					
Lumen Output	See Lumen Output by Optic Table below					
LED Type	Platinum Elite SMT LEDs					
Number of LEDs	192					
CRI	80+					
Colour Temperature	6,500K					

Mechanical	5K	7.5K	10K	12.5K	15K	20K
Burning Position	Universal					
IP Rating	IP66 & IP67					
Temperature Range	-40°C to +60°C (-40°F to +140°F) -20°C to +50°C for emergency variants (-4°F to +122°F)					
Weight	13.2kg (29.1lbs) 16kg (35.2lbs) for emergency variant					
Enclosure	Marine grade aluminium epoxy powder coated, toughened glass, all external fasteners and brackets are marine grade stainless steel					
Unit Colour	Silver RAL 9006					
Installation Instructions	Please see document 1250-D-00006 at www.raytecled.com					
Spare Part Availability:	For information on spare part availability please contact Raytec.					
Battery Care	Please see document number 0010-D-00001 at raytecled.com					
Dimensions	See dimension drawings					
Mounting	Supplied with x4 corner brackets (see dimension drawings)					

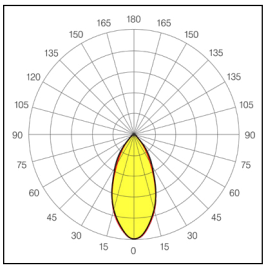
Technical Specifications - Emergency

Intelligent Emergency	
Function	Self testing Intelligent Emergency
System Health Indicator	Bi Colour Indicator LED
Emergency Duration	180 mins
Emergency Output (upto)	See Lumen Output by Beam Pattern table below
Emergency Battery	NiMH 6V 4.0Ah
Emergency Charge Time	20 Hours

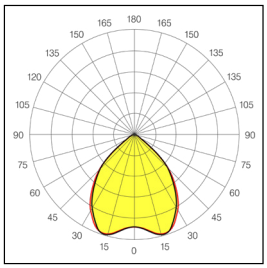
Symmetrical Beam Patterns



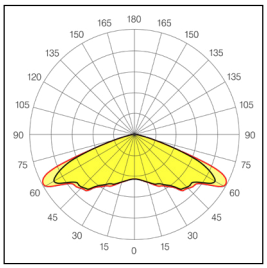
30x30



60x60

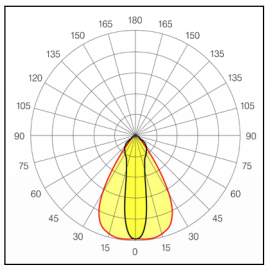


90x90

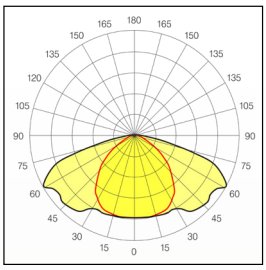


140x140

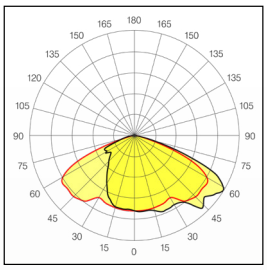
Asymmetrical Beam Patterns



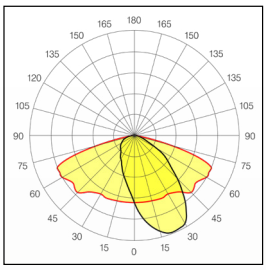
80x30



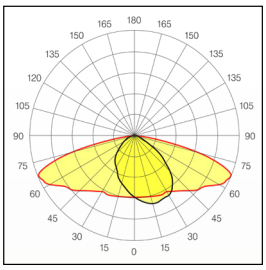
120x50



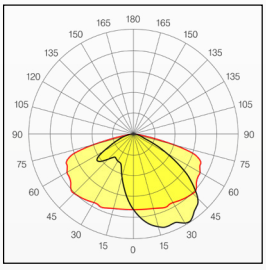
AR1



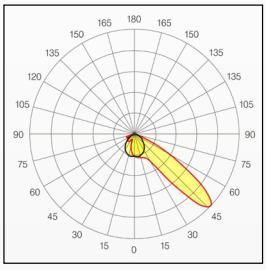
PP1



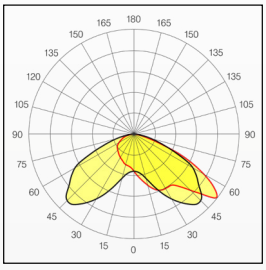
PP2



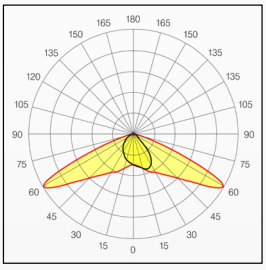
PP3



FN



FW



WB

Lumen Output by Beam Pattern

Lumen Output on Mains

Variant	30x30	60x60	90x90	120x50	140x140	AR1	PP1	PP2	PP3	80x30	FN*	FW*	WB
MPBY 5K	7608lm	8329lm	8225lm	7178lm	7309lm	7108lm	7613lm	7360lm	7353lm	7998lm	7842lm	6329lm	7563lm
MPBY 7K5	9134lm	9999lm	9874lm	8618lm	8775lm	8534lm	9140lm	8836lm	8827lm	9602lm	9414lm	7598lm	9079lm
MPBY 10K	12166lm	13319lm	13152lm	11479lm	11688lm	11367lm	12174lm	11770lm	11758lm	12790lm	12540lm	10121lm	12094lm
MPBY 12K5	15208lm	16649lm	16440lm	14349lm	14610lm	14209lm	15218lm	14712lm	12698lm	15987lm	15675lm	12651lm	15117lm
MPBY 15K	18268lm	19999lm	19748lm	17236lm	17550lm	17068lm	18280lm	17672lm	17655lm	19204lm	18829lm	15196lm	18159lm
MPBY 20K	21015lm	24998lm	24685lm	21545lm	219375lm	21335lm	22850lm	22090lm	22068lm	24005lm	N/A	N/A	23536lm

Lumen Output on Emergency

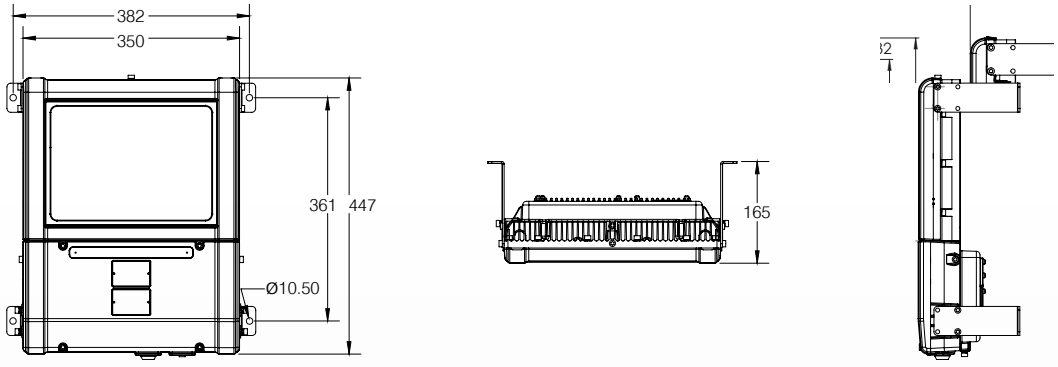
Variant	30x30	60x60	90x90	120x50	140x140	AR1	PP1	PP2	PP3	80x30	FN*	FW*	WB
EMX180 (180mins duration)	1008lm	1104lm	1090lm	951lm	969lm	942lm	1,009	975lm	974lm	1060lm	1039lm	839lm	1002lm

*FN and FW optic variants use 24 or 48 LED light engines.
For more information on Mid Power Lumen Ouputs please contact Raytec.

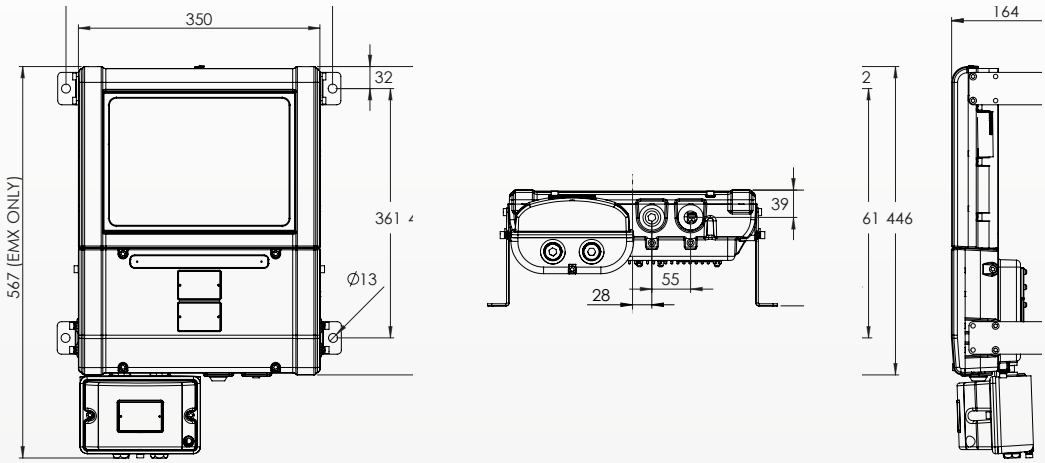
Other beam patterns also available. Please contact Raytec for more information

Product Dimensions

MPBY - Standard



MPBY - Emergency



Part Code Builder

WARRIOR Mid Power Bay

Example - SPI-MPBY15K-W-9090-EMX180							
Family	Model	Light Type	Optics	Emergency	CCT	Power	Entry
SPI	MPBY5K	W- White Light	3030	EMX180 (180 minute duration)	Not Stated - 6500K	Not Stated - 150-264Vac	Not Stated - M20
	MPBY7K5		6060		4K - 4000K	110 - 110V-277Vac	M25
	MPBY10K		9090				
	MPBY12K5		12050				
	MPBY15K		140140				
	MPBY20K		AR1				
			PP1				
			PP2				
			PP3				
			8030				
			FN				
			FW				
			WB				

Disclaimer

The information provided in this document was accurate at the time of its creation. However, due to the evolving nature of our products and continuous improvements, there may be changes or updates that occur after its publication.
For the most current and detailed information about our products, please contact our sales team at sales@raytecled.com.