URBAN LED
Industrial UB Linear Luminaire

UK CA CE











Power and Performance
High lumen output up to 11,000 lumens and a range of beam patterns to effectively light up large open areas.

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

Retrofitable
Linear has been designed with the same dimensions, fixing centres and cable entries as traditional fluorescent fittings making it a direct replacement.

Bespoke LED
Raytec are specialists in LEDs and all our products are designed around LEDs with bespoke housing for optimum performance and reliability.

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

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Technical Specifications - URBAN Linear

URBAN Linear WL84



URBAN Linear WL168



Electrical	WL84	WL84 Emergency	WL168	WL168 Emergency
Input	186-264VAC 50/60Hz			
Power	36W	39W	72W	75W
Termination	2m long 5 core 1.5mm2 H07RN-F flying lead on standard version 2m long 6 core 1.5mm2 HO7RN-F flying lead on emergency version (Optional No Cable (NC) version with incoming terminal block suitable for 4 core 4mm2 cable)			
Power Factor	>0.95			
Dimming Interface	DALI 2.0			

Optical	WL84	WL84 Emergency	WL168	WL168 Emergency
Lumen output on mains	See Lumen Output by Optic Table below			
LED type	Platinum Elite SMT LEDs			
Number of LEDs	80		160	
CRI	80+			
Colour Temperature	4,000K standard (other wavelengths available)			

Mechanical	WL84	WL84 Emergency	WL168	WL168 Emergency
Burning Position	Universal			
IP Rating	IP66 & IP67			
IK Rating	IK10			
Temperature Range	-40°C to +40°C (-40°F to +104°F)	-20°C to +40°C (-4°F to +104°F)	-40°C to +40°C (-40°F to +104°F)	-20°C to +40°C (-4°F to +104°F)
Weight	6kg (13.2lbs)	7kg (15.4lbs)	9kg (19.8lbs)	10kg (22lbs)

Mechanical	WL84	WL84 Emergency	WL168	WL168 Emergency
Enclosure	Marine grade aluminium epoxy powder coated, UV stabilised polycarbonate, all external fasteners and brackets are marine grade stainless steel			
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover
Installation instructions	Please see document 0980-D-00001 at www.raytecled.com			
Dimensions	See dimensional sketches			
Spare Part Availability:	For detailed information on spare part availability please contact Raytec			
Mounting	Via M8/M6 tapped holes, various mounting arrangements available. Supplied with 2x M8 eyebolts			

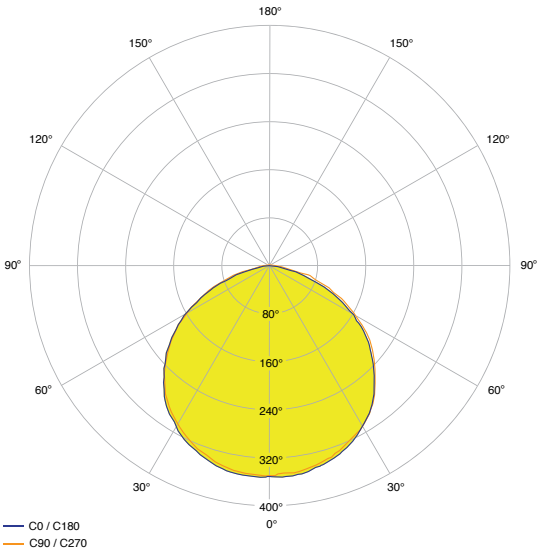
Technical Specifications - URBAN Linear

Intelligent Emergency	WL84 EMX20	WL168 EMX10
Function	Self-testing intelligent emergency	
System health indicator	Tri-colour LED indicator	
Emergency Duration	Up to 3hrs @ 20% power	Up to 3hrs @ 10% power
Emergency Battery	NiMH 6V	
Emergency Charge Time	20 hours	

Central Battery Systems

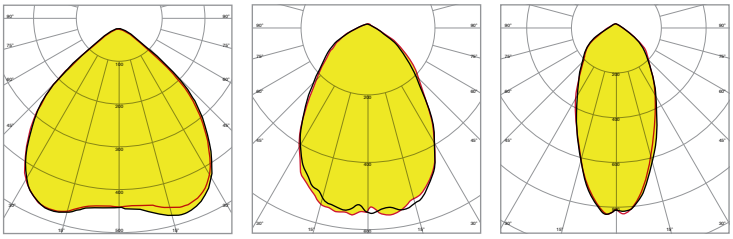
The URBAN Linear is suitable for use on a DC Central Battery System, please contact Raytec to discuss your requirements further.

Light Distribution



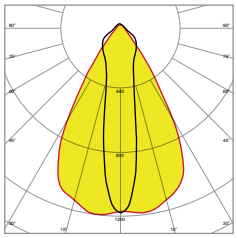
Standard

Symmetrical Optics



90x90 **60x60** **30x30**

Asymmetrical Optics



Aisle - 80x30

Lumen Output by Beam Pattern

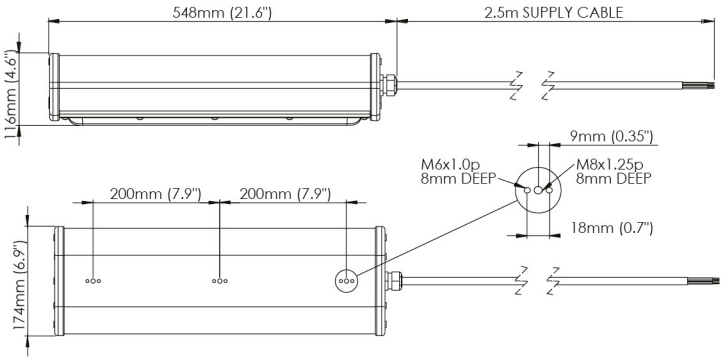
Lumen Output on Mains

Variant	STD	30x30	60x60	80x30	90x90	PP3	WB
WL84	5553lm	5426lm	5399lm	5201lm	5407lm	5425lm	5399lm
WL168	11106lm	n/a	10797lm	10400lm	10813lm	10850lm	10797lm

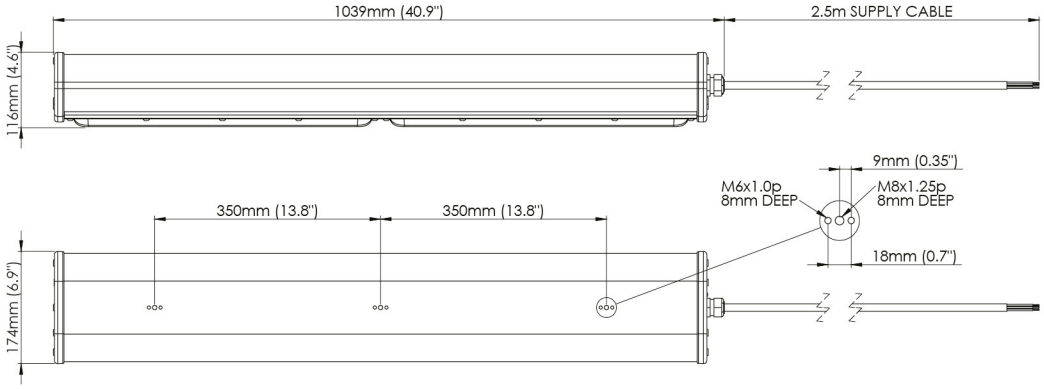
For more information on Lumen Ouputs please contact Raytec.
Other beam patterns also available. Please contact Raytec for more information.

Product Dimensions

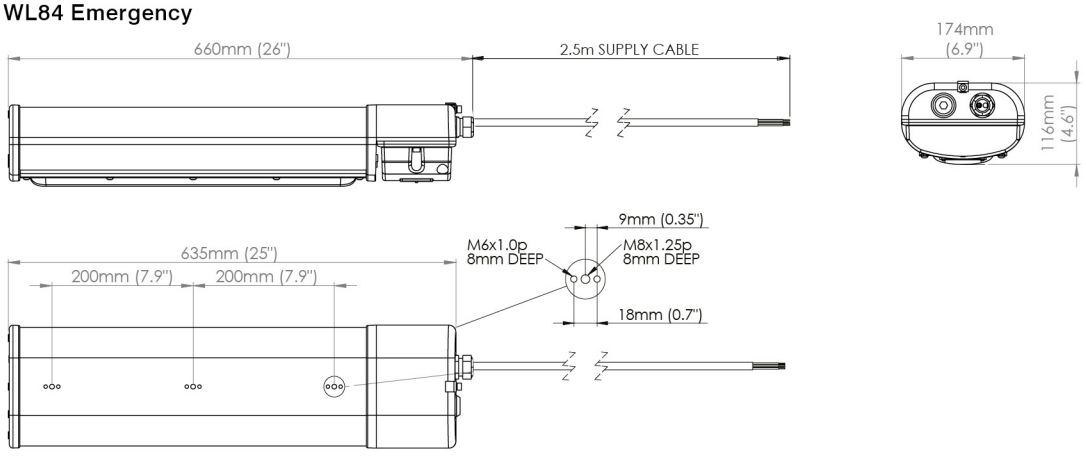
WL84



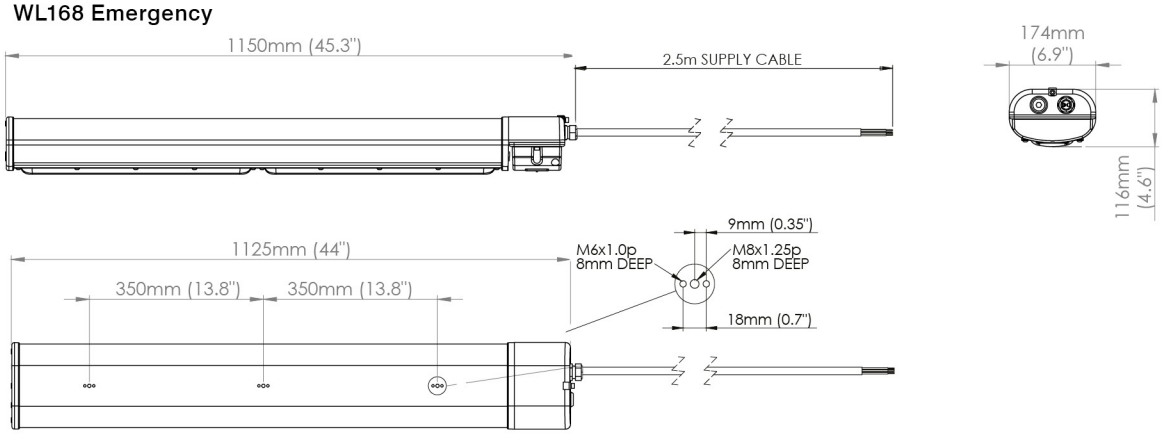
WL168



WL84 Emergency



WL168 Emergency



Part Code Builder

URBAN Linear Family

Standard: Example - UB-WL84-EMX20-4K

Family	Model	Emergency	CCT	Power	Optics	Entry
UB	WL84	NOT STATED - Non EM	4K - 4000K	Not Stated - 186-264V AC	Not Stated - Standard	Not Stated - 2M flying lead
	WL168	EMX20 (20% for 3 hours) WL84 Only	Other options available. Contact Raytec		Other optics available - please contact Raytec	NC - No Cable
		EMX10 (10% for 3 hours) WL168 Only				

*Alternative versions available. Please contact Raytec for details.

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.