URBAN LED
Industrial UB Linear Luminaire

UK CA C E

rayTEC

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

0920-D-00051-rev3

Raytec Global (excluding Americas): +44 (0) 01670 520055 • sales@raytecled.com   www.raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

Technical Specifications - URBAN Linear

URBAN Linear WL84

URBAN Linear WL168

Electrical	WL84	WL84 Emergency	WL168	WL168 Emergency
Input	186-264VAC 50/60Hz	186-264VAC 50/60Hz	186-264VAC 50/60Hz	186-264VAC 50/60Hz
Power	36W	39W	72W	72W
Termination	2m long 3 core & 2 core flying lead on standard version 2m long 4 core & 2 core flying lead on emergency version (Optional No Cable (NC) version with incoming terminal block suitable for 4 core 4mm2 cable)			
Power Factor	>0.95	>0.95	>0.95	>0.95
Dimming Interface	DALI 2.0			

Optical	WL84	WL84 Emergency	WL168	WL168 Emergency
Lumen output on mains	5,553	5,553	11,106	11,106
LED type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs
Number of LEDs	80	80	160	160
CRI	80+	80+	80+	80+
Colour Temperature	4000K standard	4000K standard	4000K standard	4000K standard

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

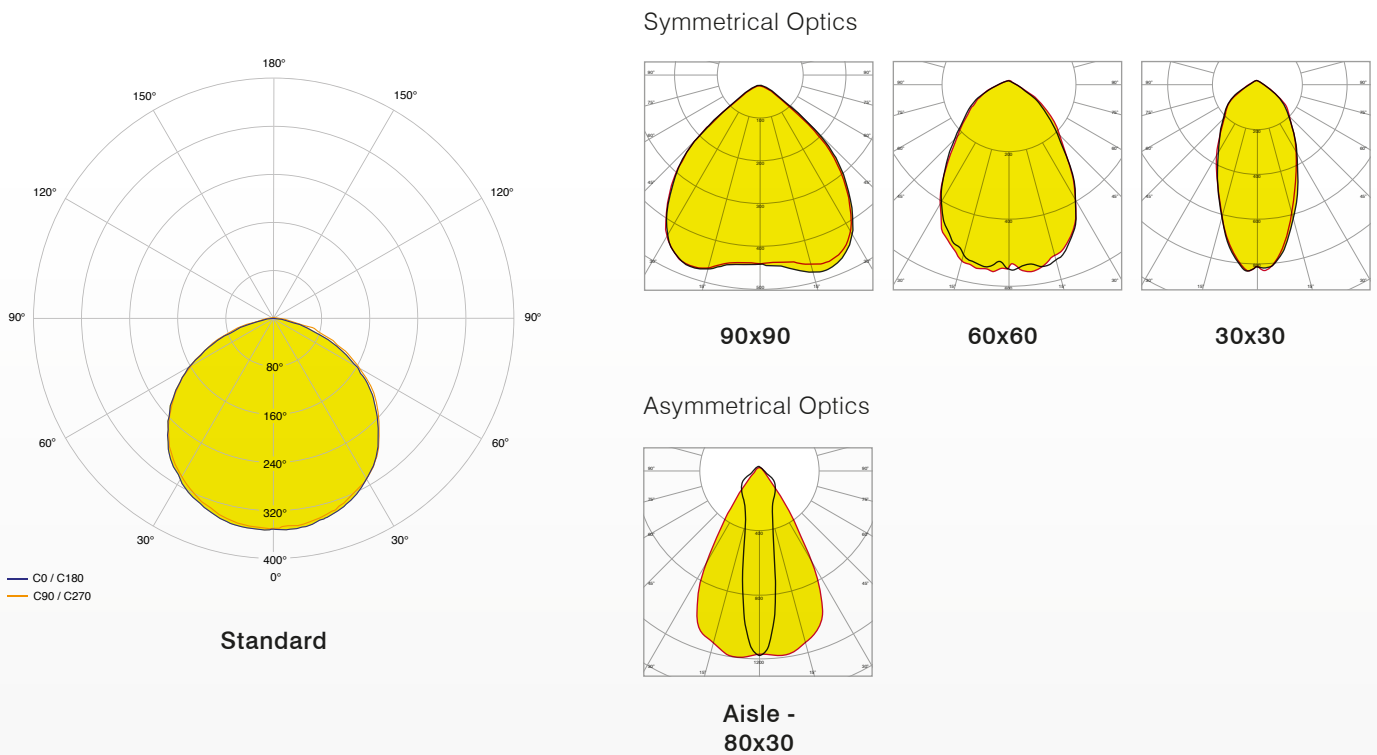| Mechanical	WL84	WL84 Emergency	WL168	WL168 Emergency
Enclosure	Marine grade aluminium epoxy powder coated, UV stabalised polycarbonate, all external fasteners and brackets are marine grade stainless steel			
Unit Colour	Silver (RAL 9006)	Silver (RAL 9006) Red (RAL3024) - Emergency battery cover	Silver (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			
Mounting	Via M8/M6 tapped holes, various mounting arrangements available. Supplied with 2x M8 eyebolts			

Technical Specifications - URBAN Linear

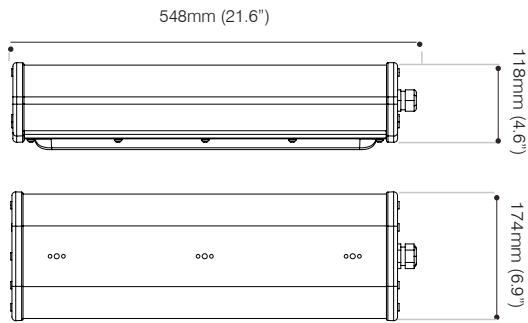| Intelligent Emergency	WL84 EMX20	WL168 EMX10
Function	Self-testing intelligent emergency	Self-testing intelligent emergency
System health indicator	Tri-colour LED indicator	Tri-colour LED indicator
Emergency Duration	Up to 3hrs @ 20% power	Up to 3hrs @ 10% power
Emergency Battery	NiMH 6V	NiMH 6V
Emergency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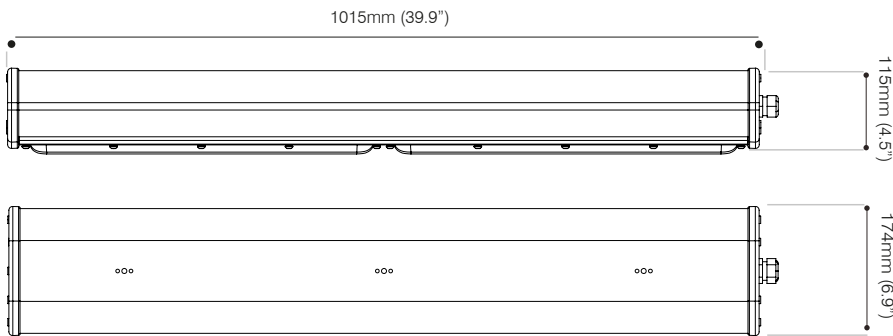
Light Distribution

Standard

C0 / C180
C90 / C270

Symmetrical Optics

90x90

60x60

30x30

Asymmetrical Optics

Aisle - 80x30

0920-D-00051-rev3

Raytec Global (excluding Americas): +44 (0) 01670 520055 • sales@raytecled.com
Raytec Americas: +1 613 270 9990 • ushazsales@raytecled.com

www.raytecled.com

Product Dimensions

WL84

548mm (21.6")

118mm (4.6")

174mm (6.9")

WL168

1015mm (39.9")

115mm (4.5")

174mm (6.9")

WL84 Emergency

660mm (26")

174m m (6.9")

116m m (4.6")

635mm (25")

200mm (7.9")   200mm (7.9")

9m m (0.35")

M6x1.0p 8mm DEEP

M8x1.25p 8mm DEEP

18m m (0.71")

WL168 Emergency

1150mm (45.3")

174m m (6.9")

116m m (4.6")

1125mm (44")

350mm (13.8")   350mm (13.8")

9m m (0.35")

M6x1.0p 8mm DEEP

M8x1.25p 8mm DEEP

18m m (0.71")
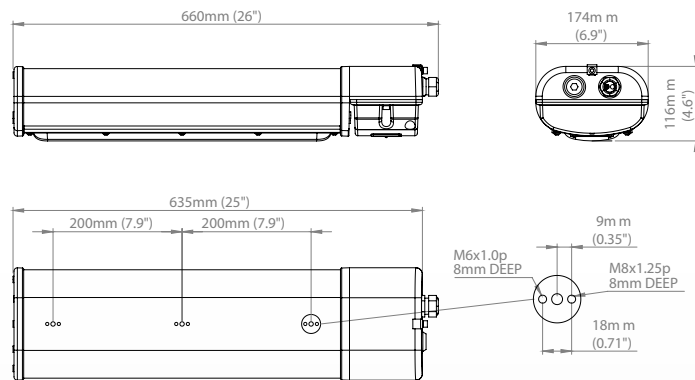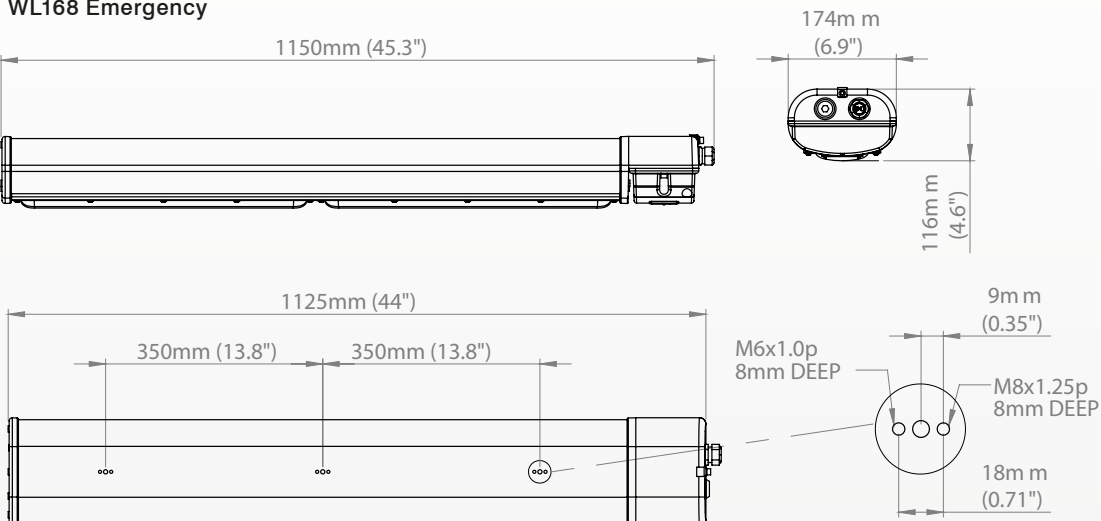
Part Code Builder

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.