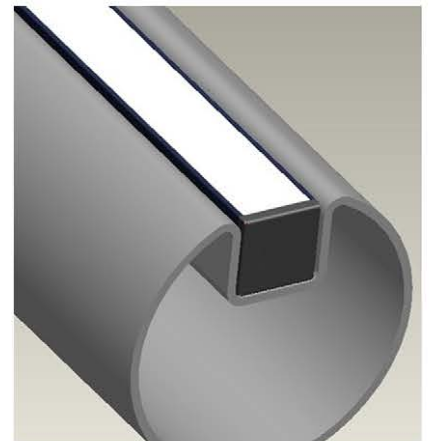
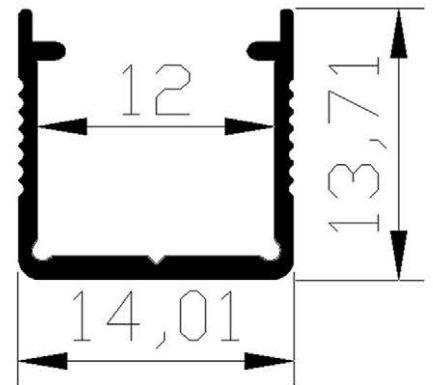
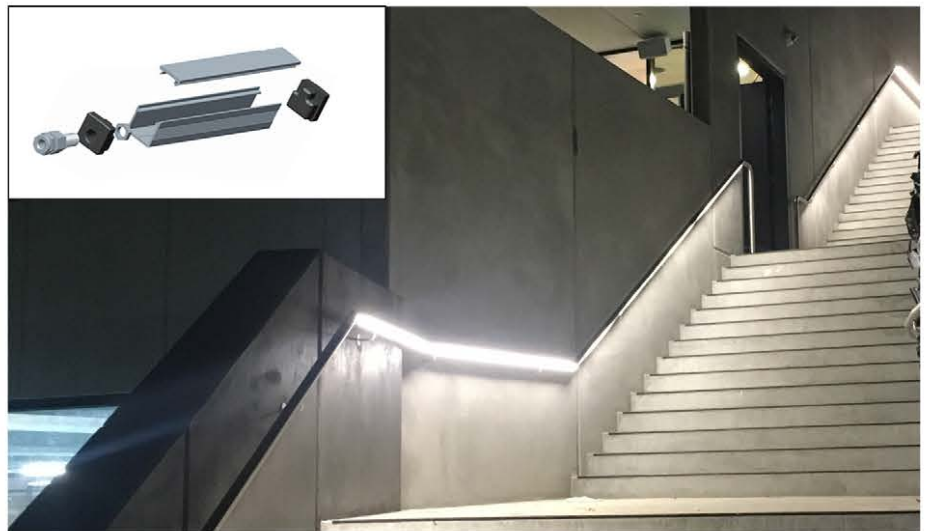


- Extruded natural anodized aluminium profile to suit specific Lightrail LED strips only
- Designed and produced to fit many slotted stainless steel tubes with 15x15mm slot.
- Constant current LED strips enable 10m lengths powered from one end
- To be used in conjunction with Lightrail specific LED strips with thermal protection only (DKT120, LT60, STB120)
- Opal polycarbonate diffuser
- Standard length 2.5m
- Pre-assembled options
- 5 year warranty
- IES files available on request



## ALUMINUM

Microns:  
 Al: 98  
 Si: 0.20~0.6  
 Cu: <0.10  
 Mg: 0.45~0.9  
 Zn: <0.10  
 Mn: <0.10  
 Ti: <0.10  
 CrL <0.10  
 FeL 0.000~0.350



## POLYCARBONATE

Flammability	Value	Test Method
Flame Rating 1.50 mm, ALL 3.00 mm, ALL 6.00 mm, ALL 0.400 mm, ALL 0.840 mm, ALL	HB HB HB V-2 V-2	UL 94
Flammability Classification 3.00 mm, ALL 6.00 mm, ALL 1.50 mm, ALL 0.400 mm, ALL 0.840 mm, ALL	HB40 HB40 HB40 V-2 V-2	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI) 0.400 mm 0.840 mm 1.50 mm 3.00 mm 6.00 mm	PLC 4 PLC 4 PLC 4 PLC 1 PLC 1	UL 746
High Amp Arc Ignition (HAI) 0.400 mm 0.840 mm 1.50 mm 3.00 mm 6.00 mm	PLC 3 PLC 3 PLC 0 PLC 0 PLC 0	UL 746
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	24 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec 0.400 mm 0.840 mm 1.50 mm 3.00 mm 6.00 mm	80.0°C 80.0°C 125.0°C 125.0°C 125.0°C	UL746
RTI Imp 0.400 mm 0.840 mm 1.50 mm 3.00 mm 6.00 mm	80.0°C 80.0°C 125.0°C 125.0°C 125.0°C	UL746
RTI Str 0.400 mm 0.840 mm 1.50 mm 3.00 mm 6.00 mm	80.0°C 80.0°C 125.0°C 125.0°C 125.0°C	UL746
Physical	Value	Test Method
Dimensional Stability	0.0%	ASTM D1042
Dimensional Stability	0.0%	ISO 2796
Outdoor Suitability	f1	UL 746C

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.7400A P:17.70W PF:1.000 Lamp Flux:753.434x1 lm

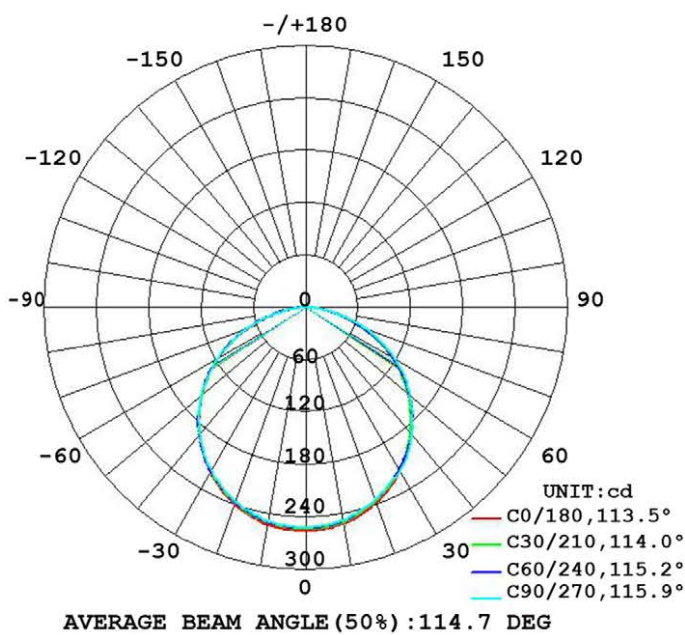
NAME: LightRail 1414 with ST120WW 2700K TYPE:High output 2830 LED

DIM.: 1M

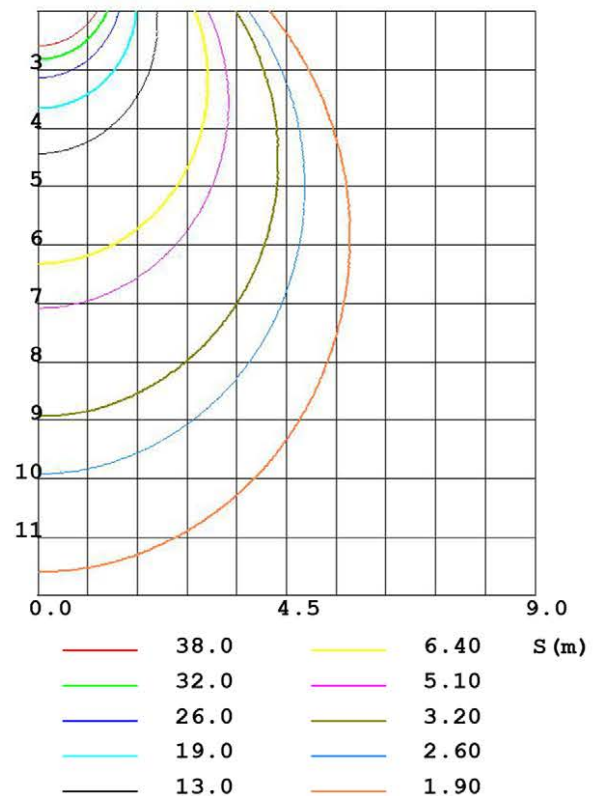
MFR.: Light Rail

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 42.57 lm/W	
MODEL	ST120WW	Imax(cd)	255.9	S/MH(C0/180)	1.26
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	753.43	h UP, DN(C0-180)	0.8,49.1
NOMINAL FLUX(lm)	753.434	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.9,49.3
LAMPS INSIDE	1	h up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.4	CIBSE SHR MAX	1.35

### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



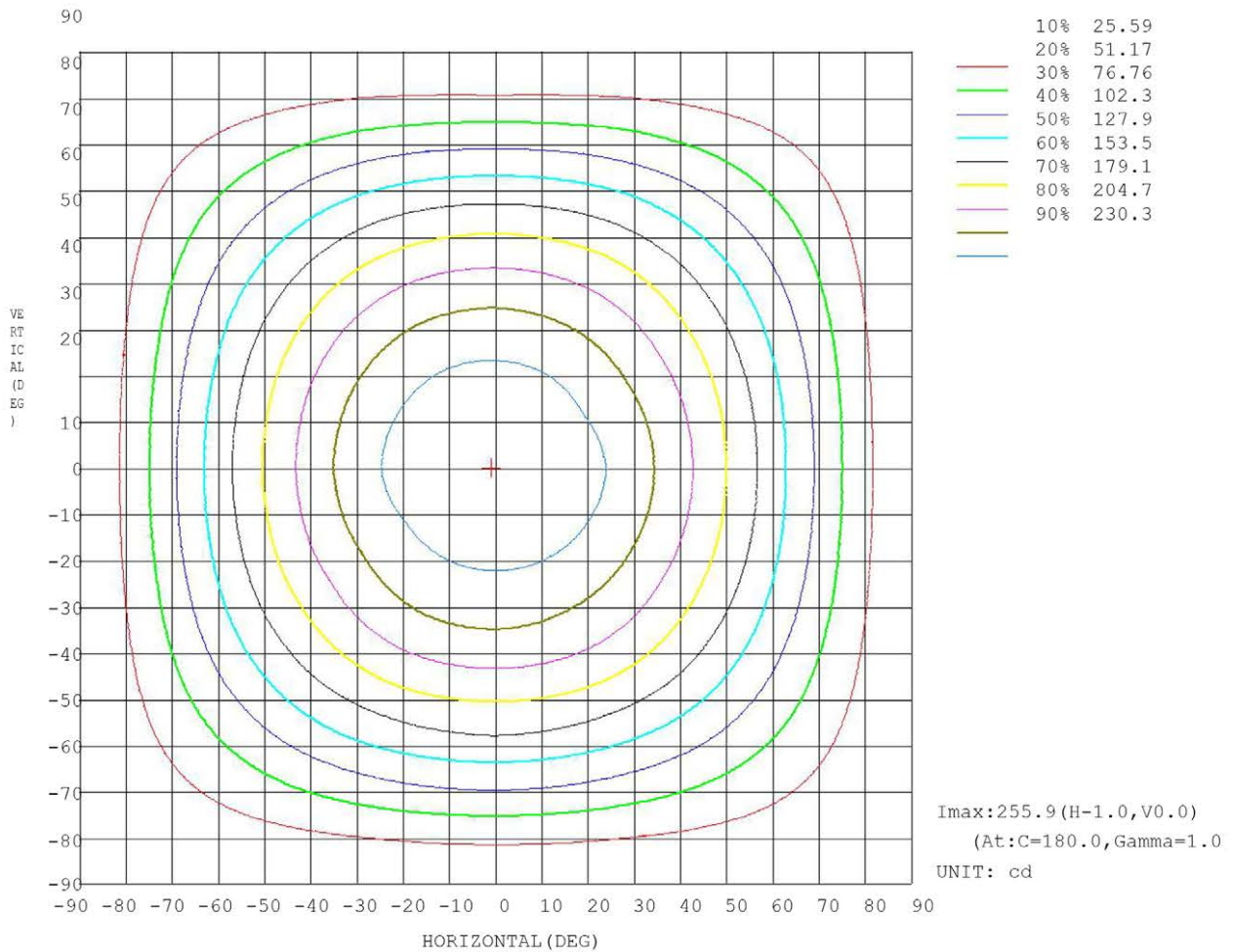
### C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



## ISOCANDELA DIAGRAM

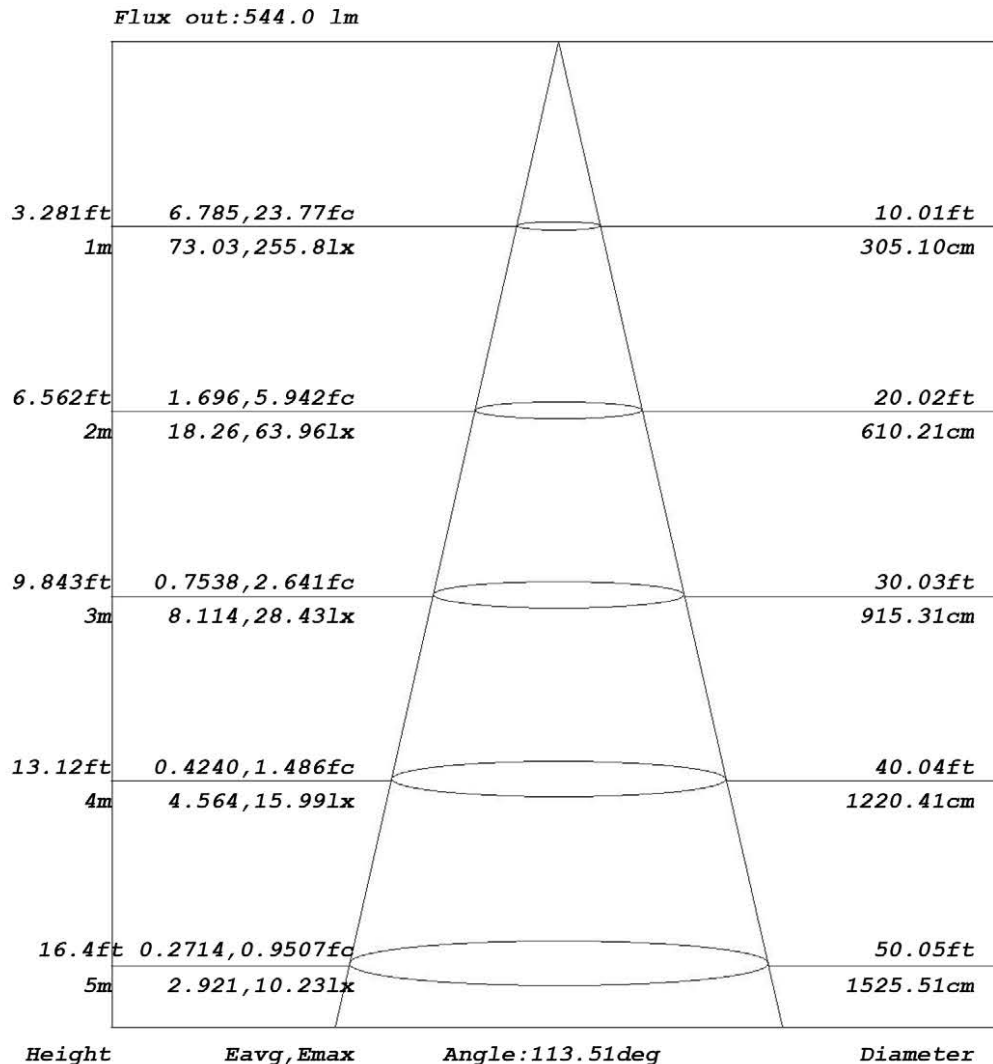
Test:U:24.00V I:0.7400A P:17.70W PF:1.000 Lamp Flux:753.434x1 lm

NAME: ST120WW	TYPE: LED	
DIM.: 1M		
MFR.: Light Rail		



## AAI FIGURE

Test:U:24.00V I:0.7400A P:17.70W PF:1.000 Lamp Flux:753.434x1 lm		
NAME: ST120WW	TYPE: LED	
DIM.: 1M		
MFR.: Light Rail		



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

## ISOLUX DIAGRAM

Test:U:24.00V I:0.7400A P:17.70W PF:1.000 Lamp Flux:753.434x1 lm

NAME: ST120WW	TYPE: LED	
DIM.: 1M		
MFR.: Light Rail		

