



ELUMA LED 12K

SPECIFICATIONS

4-10 Meters

eluma™

a new generation of intelligent lighting



Energy Efficient LED Luminaire For Medium Height Applications

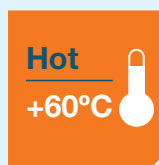
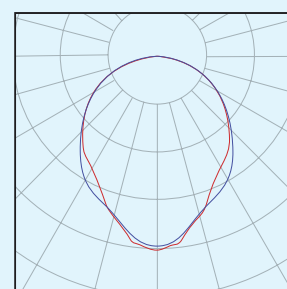
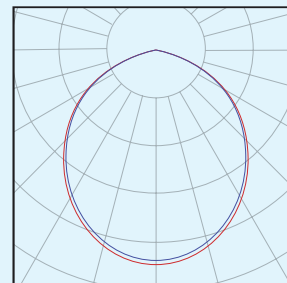
Model; Eluma LED 12K

The Eluma LED range is designed to be installed in heights from 3 metres to 16 metres. The range includes the Atmos lighting controls that include PIR, Dimming, Maintain Light Level, Multi Level Settings and variable sensitivity, for providing optimum energy management whilst maintaining compliant minimum lighting levels. Different optics enables optimised and high efficient lighting for different applications.

GENERAL TECHNICAL SPECIFICATIONS - 12K

Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Safety	IEC60598
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature*	-30 - +60 °C
Storage Temperature	-40 - +60 °C
Housing Material	Extruded Aluminium/Polycarbonate
Enclosure Rating	IP54
Diffuser Material	PMMA, Polycarbonate or Tempered Glass
Cable Gland	Wieland RST20i3, 3 pole, IP65
Number of LED Modules	3
Lamp Family Code	Philips Fortimo LED, 4000lm
Light Colour K	3000, 4000 or 5000
Colour Rendering Index	> 80 or > 90
Minimum Useful Life L90B10	> 100,000 h
Driver /power unit/	PHILIPS XITANIUM
Power factor (full load at 230V)	> 0.90
Atmos Sensor	Standard
Dimming	DALI 1% to 100%
Emergency pack	Optional
System Wattage	106W @ Full Output
LED module efficiency	Up to 165 lm/W @ 25 °C
LED Luminous Flux per Fitting	Up to 12.000 lm

* Only with Xtr drivers. Otherwise from -20 to +50 °C



GENERAL TECHNICAL SPECIFICATIONS

Ref.	Wattage Options	Available	Dimensions (mm)			Weight Kg
			L	W	H	
Eluma 12K**	100W	EM/XT	770	195	90	5.8

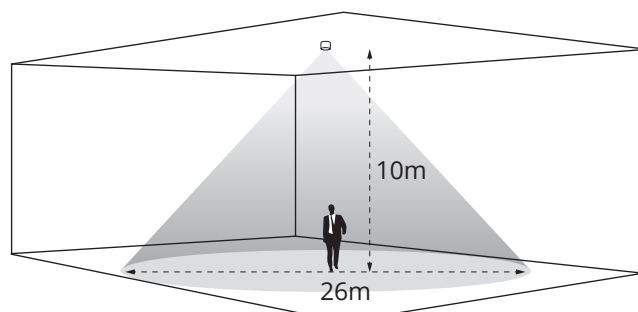
Additional Options Reference

Emergency* EM

Extended Temperatures XT

* Emergency Pack is not available in XT modification.

** There is a possibility to order ready-to-use luminaries with desired length of cable installed.



Emergency Packs

TrustSight LED 40-80mA 1 hour
2.6W (1 battery)

TrustSight LED 40-80mA 3 hours
2.6W (2 batteries)

Operating Temperature 0 - +40°C

Extended temperatures

The Eluma operating temperature can be extended to 60°C by utilising XT LED drivers and fitting an ntc thermistor on the LED strip to the driver thereby ensuring the LED strip always remains within design limitations.

WALK ACROSS		WALK TOWARDS	
Height	Height Range Diameter	Height	Height Range Diameter
10 m	26 m	10 m	26 m
6 m	16 m	6 m	16 m
3 m	9 m	4 m	10 m



LED	IP54	DALI	EM (optional)								
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TECHNOLOGY FOR AN ENERGY EFFICIENT WORLD

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