Refined-LED - obsolete

The Refined-LED range offers decorative surface-mounted circular luminaires incorporating high output white LEDs within a ‘sealed’ polycarbonate light source enclosure, minimising loss of efficacy due to dirt.

The mains driver and emergency lighting gear is installed in the back of the housing away from internal heat sources. The main luminaire housing is installed by twisting onto the first fix ring.

The Refined-LED range offers an exceptional opportunity to design contemporary lighting installations with aesthetic luminaires specifically designed to offer mains-only or maintained emergency lighting with integral microwave presence detectors for switching the mains operation where required. Refined-LED luminaires comply with EN60598.

Standard Refined-LED luminaires provide 2100 Luminaire Lumens at 25 Watts (84lm/W). The luminaires are available with standard mains drivers or with integral 3 hour duration maintained emergency gear that is fully compatible with any LuxIntelligent system.

Mains and emergency versions may be specified with an integral microwave presence detector to switch the mains lighting. Sensitivity, ‘on’ time and ambient light levels can be selected during installation. The LuxIntelligent emergency lighting version uses integral high temperature nickel cadmium batteries. Maintained versions can be used for standard switched mains lighting, but will automatically provide emergency lighting in the event of a complete loss of normal mains supply



Features

- Decorative circular LED luminaire
- Fully LuxIntelligent compatible
- Long-life LEDs (50,000 hours)
- Low power consumption
- Standard mains versions available
- Fully complies with all aspects of EN60598.2.22
- Microwave detector options available

Specification

Dimensions	360mm diameter x 65mm deep
Supply voltage	230V (220-240V) @ 50Hz
Supply power	Mains: 25W Maintained: 27W
Light output	2100 lumens (mains) / 230 lumens (emergency)
Charge power (typical)	1.9W
Light source	4000K surface mount white LEDs (3480 lumens)
Construction	Polycarbonate housing & steel first fix ring
Insulation class	Class II
Cable entry	Through first fix steel ring
IP rating	IP 20 (at 25°C)
Dimensions	400mm diameter
Weight	2.6kg (mains) / 3.5kg (emergency)
Battery (maintained)	1 x 6.0V 2.0Ah NiCd

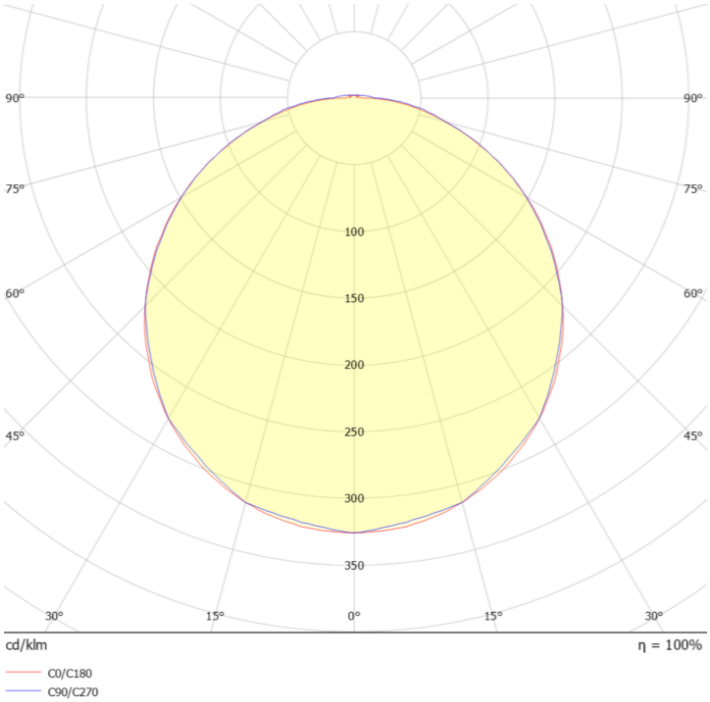
Order Codes

RFLED/230	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
RFLED/230/MW	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable (with Microwave Detector)
RFLED/M3/P	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable
RFLED/M3/P/MW	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable (with Microwave Detector)

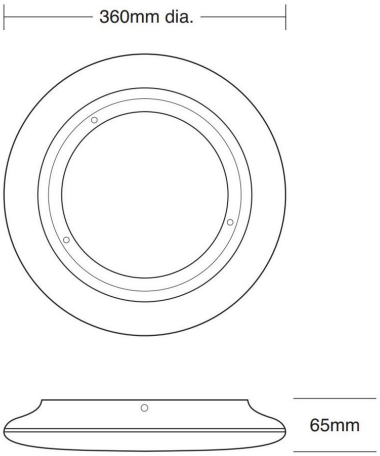
Spacing Data

	Mounting Height (m)	Fitting to Wall	Fitting to Fitting
1 Lux min at centre	2.5	4.7	11.2
	4.0	5.0	12.9
0.5 Lux min (open area)	2.5	5.7	12.2
	4.0	6.0	13.6

Light Output Curve



Dimensions







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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.