

Circular LED Luminaires

Excel

PERFORMANCE EQUIVALENT TO 28W or 38W 2D

The **Excel** range offers decorative surface mounted circular luminaires in two diameters and incorporating high output white LEDs providing ultra-long-life and low energy. The **Excel** luminaires utilise an aluminium base (White as standard) and twist-on PMMA diffuser.

OPERATION

The **Excel** luminaires are available in two diameters 330mm with 1560Lumen output or 400mm with 1920Lumen output.

The **Excel** luminaires are available with mains only or Maintained emergency operation. All emergency versions provide 3 hour duration from 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.

The benefits of the modern white low power LEDs include long life (typically 50,000hours+), excellent energy efficiency (>100lm/W), low operating temperatures therefore improving the life of the internal Nickel Cadmium (NiCd) batteries and good operation at low ambient temperatures.

The luminaires fully comply with the requirements of EN60598.2.22 and the low energy consumption assists with compliance with Part L Requirements.

DALI/Self-Test Options:

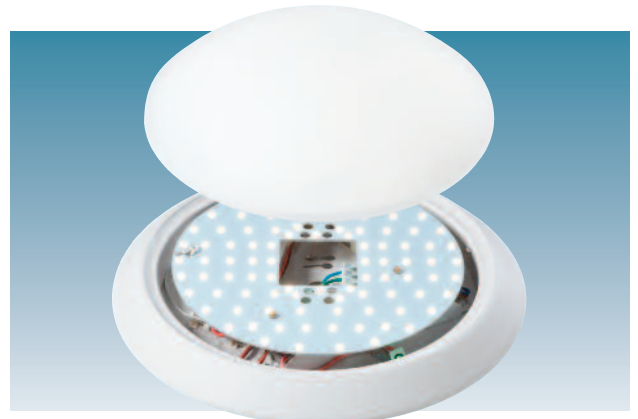
The **Excel** LED luminaires can be specified with integral DALI/Self-Test gear providing automatic Self-Test in accordance with BSEN62034 or fully interoperable DALI operation when connected to a DALI control system.



XL330/230/SL



XL400/230 Standard base



GENERAL DETAILS

Product	Decorative circular luminaire
Light source	White LEDs 2400lm or 2800lm
Luminaire Lumens	/330 – 1560lm /400 – 1920lm
Construction	White Aluminium base (standard) with Twist-on PMMA diffuser
Geartray	Integral to base
Dimensions	/330 – 326mm (dia.) x 98mm (H) /400 – 395mm (dia.) x 113mm (H)
Cable entry	20mm hole (centre of back plate)

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SPECIFICATION

	Maintained	Mains only
Light source	Surface mount White LEDs 2400lm or 2800lm	
Colour temperature	4000K	
Luminaire lumens (mains)	/330 – 1560lm /400 – 1920lm	/330 – 1560lm /400 – 1920lm
Lumens (emergency)	/330 – 266lm /400 – 312lm	—
IP rating	IP20	
Ambient temperature (Ta)	25°C	
Insulation class	Class I	
Supply voltage	230V ~ 50Hz	
Supply power	/330 – 22W /400 – 26W	/330 – 19.2W /400 – 23.2W
Charge power (typical)	3.5W	—
Battery	1 x 6.0V 2.0Ah NiCd	—
Weight	/330 – 3.1kg /400 – 3.4kg	/330 – 1.0kg /400 – 1.3kg

EXCEL – Emergency Lighting Spacings

	Mounting height Hm (m)	Fitting to Wall	Fitting to Fitting	
/330 Small luminaire in emergency mode	2.5	4.2	10.6	1 Lux min at centre
	4.0	4.6	12.3	
	2.5	5.1	11.5	0.5 Lux min (open)
	4.0	5.3	12.9	
/440 Large luminaire in emergency mode	2.5	4.2	10.7	1 Lux min at centre
	4.0	4.8	12.5	
	2.5	5.2	11.6	0.5 Lux min (open)
	4.0	5.4	13.0	

ORDER CODES

Description

XL330/M3/WH	330mm diameter Maintained emergency LED luminaire
XL330/230/WH	330mm diameter Mains only LED luminaire
XL400/M3/WH	400mm diameter Maintained emergency LED luminaire
XL400/230/WH	400mm diameter Mains only LED luminaire
OPTIONS:	
/SL	Brushed silver body
/DALI	Self-Test or DALI emergency operation