

Excel

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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 1100Lumen LED output or 400mm with 1450Lumen LED output.

The Excel luminaires are available with mains only or Maintained emergency operation and can be supplied with integral micro-wave presence detection.

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 luminaires fully comply with the requirements of EN60598.2.22 and meet with current Part L energy efficiency targets offering over 60 Lumens/Watt.

GENERAL SPECIFICATION

Supply Voltage	230Volt (220-240V) ~ 50Hz	PF > 0.92
Light source	White LED (CRI >75)	
Rated Power	/330 – Mains: 18W	M3: 23W
	/400 – Mains: 24W	M3: 27.5W
Cable Entry	20mm hole (centre of back plate)	
Construction	Standard — White base / opal diffuser	
IP Rating	IP20 ta25	
Dimensions	/330 – 326mm (dia.) x 98mm (H)	
	/400 – 395mm (dia.) x 113mm (H)	



XL400/230 Standard base



Excel



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SPECIFICATION

OPERATION	Maintained	Mains only
Light source	Surface Mount White LEDs	
Construction	Aluminium base / PMMA diffuser	
Light output (mains)	/330 — 1100 Lumens /400 — 1450 Lumens	/330 — 1100 Lumens /400 — 1450 Lumens
Light output (emergency)	/330 — 200 Lumens /400 — 215 Lumens	—
Battery	/330 — 6.0V 2.0Ah /400 — 6.0V 3.8Ah	—
Charge current	/330 — 100mA /400 — 200mA	—
Recharge period	<24 hours	—
Input voltage	230V ~ 50Hz	
Supply power	/330 — 23 Watts /400 — 27.5 Watts	/330 — 18 Watts /400 — 24 Watts
Weight	2.6kg	2.1kg

Note: The emergency gear inside the XL300/M3 reduces the mains light output by approx. 15% due to absorption.

EMERGENCY SPACINGS

	Mounting height Hm (m)	Fitting to Wall	Fitting to Fitting	
/330 Small luminaire in emergency mode	2.5	2.2	5.3	1 Lux min at centre
	4.0	2.0	5.8	
/440 Large luminaire in emergency mode	2.5	3.8	7.9	0.5 Lux min (open)
	4.0	4.0	8.0	
/330 Small luminaire in emergency mode	2.5	2.9	6.1	1 Lux min at centre
	4.0	2.7	5.9	
/440 Large luminaire in emergency mode	2.5	4.1	8.7	0.5 Lux min (open)
	4.0	4.4	9.8	

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:	
Suffix: /SL	Brushed silver body
/MW	Microwave presence detector (Not available with XL330/M3/WH)
/DALI	DALI or Self-Test emergency operation