

Recessed LED Panels

PanelLED

Low energy, long life LED Luminaires

Available in two standard sizes and as mains only or in maintained emergency versions, **PanelLED** recessed LED luminaires provide aesthetic simplicity, high light output, low energy and long life from a very slim (<20mm) package. The PL240-13-R round **PanelLED** is 25mm thick and comes with spring fixings for recessing into tiles and plasterboard ceilings. The PL600-50-S square **PanelLED** is only 12mm thick and drops into a standard 600mm square tile opening in exposed-T ceilings.

Installation kits are also available to suspend the PL600 panel from wires or fit the panel direct to the surface of a ceiling or wall.

OPERATION

The **PanelLED** luminaires operate at 24-39Volts from 230Volt 50Hz supplies via small power factor corrected electronic drivers.

The front face of **PanelLED** luminaires operates with an even luminance distribution at a colour temperature of 4500K (white) and provides glare free illumination on the working plane.

The **PanelLED** luminaires are available with mains only or Maintained emergency operation. All emergency versions provide 3 hour duration from remote high temperature Nickel Cadmium (NiCd) 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. (Non-maintained operation is available by excluding a switched live 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 batteries and good operation at low ambient temperatures.

The luminaires fully comply to the requirements of EN60598.2.22

DALI/Self-Test Options:

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



PL240-13-R



PL600-50-S

GENERAL DETAILS

Product	Recessed LED Panel Luminaire	
Light source	/R – 13W white LED	/S – 50W white LED
Luminaire Lumens	/R – 1280lm	/S – 4250lm
Construction	White painted or raw aluminium base with polycarbonate diffuser	
Geartray	N/A	
Dimensions	/R – 240mm (dia.) x 25mm (h)	/S – 600mm (sq.) x 12mm (h)
Cable entry	Remote gear	

All details and specifications shown in this document are deemed correct at time of publication. The right to modify equipment, change specifications and instructions without notice, is reserved as part of the Emergency Lighting Products Limited policy of continuous development and improvement. We endeavour to keep all our customers informed of any alterations as and when they occur.



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PL240-13-R

PanelLED recessed LED luminaire;
240mm diameter, 13Watts, 1280Lumens, White.

Design life >50,000 Hours

The luminaire can be fitted into ceiling tiles or plasterboard ceilings using the integral fixing springs.

SPECIFICATION

Supply voltage (into driver)	100 - 240V (50Hz)
Typical supply power	13W
Maximum supply power	15W
Typical power factor	0.89
Typical lumens	1280lm
Typical efficiency	85lm/W
Colour temperature	4500K
RA	80
IP rating	20
Insulation class	Class I
Weight	0.8kg

PL600-50-S

PanelLED recessed LED luminaire;
600mm x 600mm, 50Watts, 4250Lumens, White.

Design life >50,000 Hours.

The luminaire can be fitted into exposed T ceilings by resting on the T bar frame.

SPECIFICATION

Supply voltage (into driver)	110 - 240V (50Hz)
Typical supply power	45W
Maximum supply power	50W
Typical power factor	0.97
Typical lumens	4250lm
Typical efficiency	82lm/W
Colour temperature	4500K
RA	80
IP rating	20
Insulation class	Class I
Weight	4.9kg



ORDER CODES

240 DIA /13W VERSIONS

ORDER CODES	Description
PL240/13/R/M3	Aluminium body. Maintained emergency version
PL240/13/R	Aluminium body. Mains only version
OPTION: /WH	White painted body

600mm SQ / 50W VERSIONS

PL600/50/S/M3	Aluminium body. Maintained emergency version
PL600/50/S	Aluminium body. Mains only version
OPTION: /WH	White painted body

ACCESSORIES for PL600:

/SM	Surface mount kit (direct mount on ceiling or wall)
/WIRE KIT	Wire suspension kit

NB: For DALI options please discuss with our Sales Office

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