

KEYLIGHTING

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General

Our FLRA range of recessed fluorescent luminaires is suitable for T grid, concealed grid & plasterboard ceiling types. Available for T5 or PLL lamps, with either high frequency or high frequency dimming control gear. All versions have integral emergency options that run 1 lamp for 3 hours at approximately 10% of the normal light output. Two versions are made of this product the standard recessed indirect with either a solid or perforated diffuser panel & the 'CAT2' version that has a louvre in the centre of the fitting & again either perforated or solid side panels.

Construction

The body is made from 0.8 mm zinc plated steel which is CNC punched, folded & rolled to create an accurate body to ensure accurate light distribution. The steel body is degreased & iron phosphate treated prior to painting with epoxy polyester powder paint in RAL9003 70% gloss.

Assembly

The components are all mounted within a removable gear tray located on the back of the fitting. This allows easy access for installation & maintenance. The emergency control gear is housed in a separate box saddled on the back of the luminaire. All components are directly attached in to the box either by clips, rivets or nut & bolts. All units are 100% tested prior to packing & shipping.

Dimensions

The FLRA66 is 595 x 595 x 135 (a shallower version can be made at 122mm)
The FLRA552x36PLL is 495 x 495 x 130.

Packing

All luminaires are individually boxed with louvers & attachments in the same carton.
600 x 600 modules are packed 1 per box measuring 600x600x100

Installation

All the FLRA range are designed to fit into most ceiling types & sit on the bottom of the T bar (T grid ceilings either 15 or 25 mm). We make special fittings for installation in to plasterboard & concealed grid types and they require side arm suspension brackets available at extra cost.

The indirect fittings have the fronts fixed by two screws, and the 'CAT2' versions have lift & tilt louvers. Both these can be easily removed for re-lamping purposes.

Additional Extras Available

- AH Air handling, suitable for air return of 25 litres per second in air-conditioned offices.
- EM Integral emergency on one lamp to maintain the lamp at approximately 10% of its normal output for 3 hours
- EM-ST Self testing emergency system that monitors the condition of batteries, lamp & supply. Automatically tests the lamps in accordance with regulations.
- HFD This special control gear designed to allow the lamps to be dimmed in various ways. Can be controlled by ambient light level presence of people, or with an IR hand held device. These systems can be linked to computers for total lighting control in a building.

Lamp & Electrical Data

RANGE	TUBES & WATTAGES	LUMENS		WATTS	DIMENSIONS		
		PER LAMP	TOTAL	HIGH FREQ			
662 x 40PLL	2X40 WATT PLL	3500	7000	87	595	595	135
662 x 55PLL	2X55 WATT PLL	4800	9600	120	595	595	135
631 x 55PLL	1X55 WATT PLL	4800	4800	60	595	295	70
1232 x 55PLL	2X55 WATT PLL	4800	9600	120	1195	295	70
1232 x 54T5	2X54 WATT T5	4450	8900	117.5	1195	295	70

Components

RANGE	HIGH FREQ PHILIPS	HIGH FREQ TRIDONIC	ANALOGUE DIMMING PHILIPS	DIGITAL DIMMING TRIDONIC
662 x 40PLL	HFP240PLL	PC2/40 TCL PRO	HFR240PLL	PCA2/40 TCL ECO
662 x 55PLL	HFB258TLD E11	PC2/55 TCL PRO	HFR255PLL	PCA2/55 TCL ECO
631 x 55PLL	HFB158TLD E11	PC PRO 55 FSD	HRF155PLL	PCA1/55 TCL ECO
1232 x 55PLL	HFB258TLD E11	PC2/55 TCL PRO	HFR255PLL	PCA2/55 TCL ECO
1232 x 54T5	HFP224/36TL5 HO	PC2/54 T5 PRO	HRF254TL5	PCA2/54 T5 ECO

