LED PANEL

Luminaires for interior

Model series: LDX-FPL

FEATURES

indirect light source

high light homogeneity

heat sink with large effective area

prismatic diffuser for low glare

possibility of revitalization of light and power supply

square and rectangular shape

direct replacement of fluorescent luminaires

The LDX-FPL LED panels meet all the requirements of EN 12464-1 and are designed primarily for lighting in areas where high emphasis is placed on light quality and low glare. They have excellent use in offices, surgeries, laboratories, classrooms, assembly and inspection lines, etc.

The light sources of the panels are placed indirectly in the side of the high quality diffuser, therefore the luminaire is very thin and the light from this panel is homogeneous. Significant reduction of unwanted glare is ensured by the refraction of light in the prismatic construction of the diffuser. The LDX-FPL panel lighting meets the stringent requirements of the standards for demanding tasks in fine assembly and inspection workplaces, for medical practice, in laboratories or rehabilitation centres.

A rigorous selection of quality mCOB (microchip on board) chips adheres to ANSI Binning standards to ensure uniform color and lumen intensity. Every single product meets the declared light performance within a ±2.5% band. LDX-FPL Series panels meet the requirement for true color rendering.

The luminous flux of LDX-FPL panels is completely free of UVA and UVB components. This feature is important when working with materials that react with UV radiation. LDX-FPL panels have a constant luminous flux without a strobe effect.

The ability to revitalize active technology parts reduces TCO and extends lifetime many times over.

LDX-FPL series panels are easy to install in suspended ceilings, can be mounted or suspended. Their design makes them easy to maintain.

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TECHNICAL PARAMETERS

lifetime:	50 000 hours / TM21
operating temperature range: - 20 °C to + 45 °C	
radiation angle:	90° symetrical
cooling:	aluminium frame white painted
optical:	prismatic diffuser
ecology:	mercury and silicone free
CRI:	>90

CCT:	3000K or 4000K in ±2,5% band
power suply of panel:	30 to 45 VDC, 850 mA
power supply*:	198 V to 264 VAC, 47 to 63 Hz
flicker index*:	0
ripple on frequency* :	< 1% / 1 Hz
management:	(A) ON/OFF (D) DALI 2

** using the recommended driverTCI Professionale*

STARNDARDS

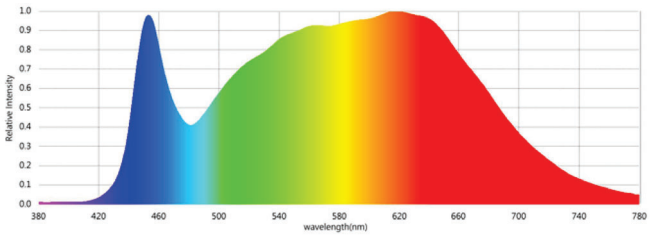
- RoHS, Directive EC and Council 2011/65/EC
- Directive EC and Council for low voltage 2006/95/EC
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547
- Luminous parameters listed in accordance with EN13032-4
- Directive 2006/25/EC: health and safety requirements for the exposure of workers to the risks related to optical radiation from artificial sources
- Complies with EN 12464-1:2021

SVHC RoHS

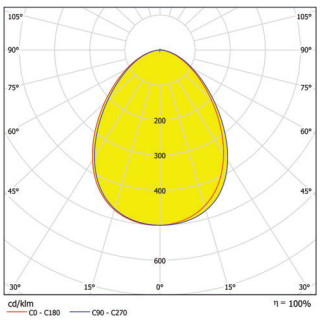
MODEL SPECIFICATION

Model	Power	CCT	Luminous flux	PFC	Dimmension (WxDxH)	Weight
LDX-FPLS830	33 W	3000 K	3 900 lm	>0,95	595 x 595 x 9 mm	2,5 kg
LDX-FPLS840	33 W	4000 K	4 000 lm	>0,95	595 x 595 x 9 mm	2,5 kg
LDX-FPLR830	33 W	3000 K	3 900 lm	>0,95	1195 x 295 x 9 mm	2,6 kg
LDX-FPLR840	33 W	4000 K	4 000 lm	>0,95	1195 x 295 x 9 mm	2,6 kg

spectral characteristic



light distribution



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