

## LED PANEL

Professional luminaires with low glare

Model range: FPL-LX PRISMA

LED luminaires with very low glare UGR

Fully compatible with EN 12464-1

Slim profile design for universal installation



LED panels FPL-LX PRISMA meet all **requirements of the EN 12464-1 standard** and are designed especially for lighting in areas where is a great emphasis on light quality and very low glare. Excellent use is in surgeries, laboratories, classrooms, industrial assembly and control lines, etc.

The light sources of these panels are located indirectly at a side of the diffuser. Therefore, the luminaire is very thin and the light is homogeneous. Significant reduction of unwanted glare is ensured by light fracture in the **prismatic flat diffuser** design. FPL-LX PRISMA panels comply with the strict requirements of standards requirements of standards for demanding tasks of medical practice or laboratories and rehabilitation centers.

Strict selection of own high quality MCOBs (microchip on Board) meets ANSI Binning standards to ensure the same color and luminous flux intensity. Each individual product meets the declared parameters in range  $\pm 2.5\%$ . FPL-LX PRISMA panels meets the requirement for true color rendering.

Luminous flux of FPL-LX PRISMA panels is without UVA and UVB components. This feature is required when working with UV-reactive materials. FPL-LX PRISMA panels have constant luminous flux **without a stroboscopic effect**.

FPL-EL PRISMA panel series are easily mounted on the ceilings, can be surface mounted or suspended. Their construction design is easy for maintenance.



## Basic features

light source:	corrected MCOB LEXTAR
lifetime:	according to TM21: 50 000 hours
replaceable light source:	yes
cooling system:	aluminum body of luminaires
replaceable driver:	yes
optical unit:	prismatic diffuser with indirectly located light source
ecology:	color spectrum with a reduced blue, does not contain mercury or silicone
mounting:	installation into the ceiling, surface mounted or suspended

## Technical parameters

operation temperature range:	-5 °C to + 45 °C
light output angle:	110° symmetrically
color temperature CCT:	4000 K in a range of chromaticity $\pm 2,5\%$
CRI:	Ra >90
power supply:	110 V to 240 V~, 50 Hz, PFC >0,96 panel: 28 - 36 Vdc / 1000 mA
flicker Index:	0
flicker frequency:	<1% / 1 Hz in the whole range
management:	(A) without management (D) DALI

## Standards

- 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

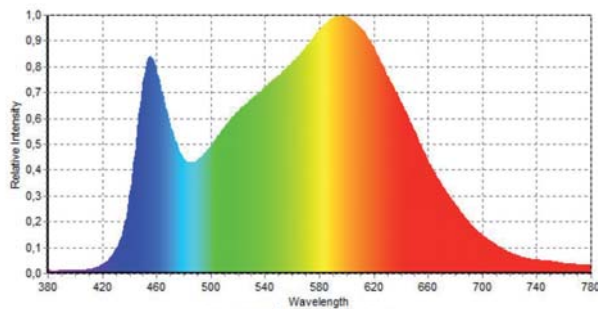
- Directive 2006/25/EC: health and safety requirements for the exposure of workers to the risks related to optical radiation from artificial sources  
- significantly suppressed glare



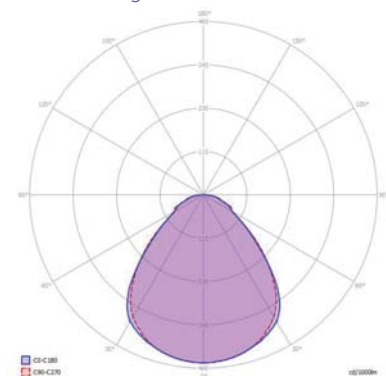
## Model specification

Model	Power	Luminous flux	CCT	PFC	Dimensions (WxDxH)	Weight
FPL-LX06WP	35 W	3 850 lm	3 000 K	>0,96	596 x 596 x 9 mm	3,2 kg
FPL-LX06TP	35 W	4 200 lm	4 000 K	>0,96	596 x 596 x 9 mm	3,2 kg

Spectral characteristic of FPL-LX06TP



light distribution



optional accessories



bracket for surface mounting