

Water-proof and dust-proof luminaire

FIDI-06-418 CC PMO Quadra

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About the product

Recessed luminaire, designed for general interior lighting whose protection degree IP65 made it an excellent solution for lighting in damp environments where is demanded a protection against vapours, water and dust.

FIDI-06 presents a steel sheet body painted with powder, high luminous transmission (80%) PMMA diffuser and a satin aluminium frame that offers a distinct design.

Through an easy mounting and minimum maintenance that luminaire is recommended as an accessible solution, easy to maintain for damp environments in buildings with medical destination, labs, food industry, etc. The luminaire ensures a diffuse, uniform, comfortable light.



EN 60598	RoHS	IP65		-5°C ÷ +35°C	18W T8 G13
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Application

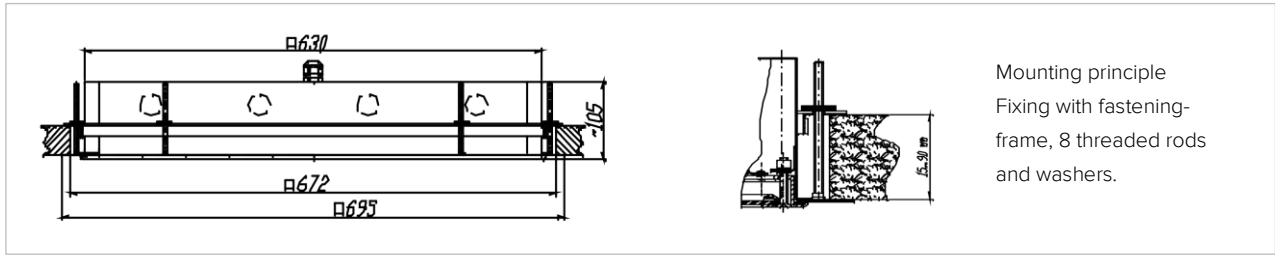
General indoor lighting for: hospitals, laboratories, white rooms.

Light sources

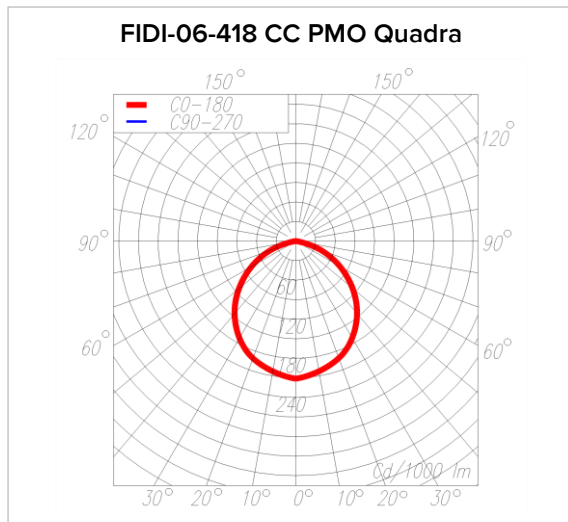
- Fluorescent tubes T8 Ø26mm, socket G13.

Access to light sources and gear

- From below.



Product type	L [mm]	l [mm]	m [mm]	n [mm]	H [mm]
FIDI-06-418 CC	695	695	672	672	135



Photometric data FIDI-06-418 CC PMO Quadra

CIE: 50 81 97 100 56

UTE: 0.56D

UGR < 20

Light distribution diagram [Cd/1000lm]

Description

Dustproof and waterproof luminaire designed for use recessed in ceiling with access to lamps from below.

- White painted with powder steel sheet body.
- High luminous transmission opal PMMA diffuser ($\tau = 80\%$) equipped with safety chain.
- Frame made of extruded aluminium profile that holds the diffuser.
- Fastening frame(CC) for recessed installation in false ceiling
- Gear (ballast) included in the product and manufactured according to the specific standards.
- Colour: white.

Variants on request

On request the luminaire could be equipped with:

- standard electronic ballast HFS
- high performance electronic ballast HFP
- dimmable electronic ballast HFR
- Push-In connector PI
- Wieland connector type GST 18i3 male CS1
- Connector for dimming type Wieland male for the variant with dimmable electronic ballast HF-R GST 18 I5 K1 – S 15 10 PB02 Art. Nr. 92.57.1004.9

Note. The options could be combined function of the customer request.

Mounting

- Recessed in modular ceilings, with cutting dimension $\square 672 \times 672 \text{mm}$, with the flange on the downside of the ceiling
- Fixing with fastening-frame, 8 threaded rods and washers. The rods and washers are included in the product.
- The real solution on the building could be different function of the thickness of the profiles and the resistance structure used for the false non-modular ceiling.
- The user must be sure that the false ceiling is resistant enough to sustain in any conditions the weight of the luminaire.

Technical features

- Rated voltage: 230V/50Hz
- Environment temperature: $-5^{\circ}\text{C} \div + 35^{\circ}\text{C}$
- Relative humidity: till 80% at the temperature of $+ 20^{\circ}\text{C}$.
- Jolt resistance according to SR EN 60068-2-291000 ± 10 jolts, acceleration of 10g, and duration of impulse: 16ms

- The luminaire is manufactured according to the requirements of the standards SR EN 60598-1, SR EN 60598-2-2.

Compliance with the European Directives

- Low Voltage Directive.
- Electromagnetic Compatibility Directive.
- RoHS Directive, WEEE Directive.

The product could be realised in more variants functions of the gear type.

Product type	Rated voltage [V]	Rated power [W]	Power factor $\cos \phi$	Protection degree	Class of protection against electric shock	Weight [Kg]
FIDI-06-418 CC PMO Quadra	230	4x18	≥ 0.92	IP65	I	10.2
FIDI-06-418 CC HFS PMO Quadra	230	4x18	≥ 0.96	IP65	I	9.5
FIDI-06-418 CC HFP PMO Quadra	230	4x18	≥ 0.96	IP65	I	9.5

CC = with fastening frame, PMO = PMMA opal diffuser with high luminous transmission
HFP = high performance electronic ballast, HFS = electronic ballast standard

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