Water-proof, dust-proof, impact resistant luminaire

FIPAD-06-2X LED G2

FIPAD-06-2X1R2BX30 LED G2 OPAL /DALI
FIPAD-06-2X1R4BX30 LED G2 OPAL /DALI / 1H/3H
FIPAD-06-2X1R5BX30 LED G2 OPAL /DALI /1H/3H
FIPAD-06-2X2R5BX30 LED G2 OPAL /DALI /1H/3H

About the product

The new luminaire FIPAD-06 LED, with watertight polycarbonate diffuser is ideal for use in harsh environments where it is required protection against vapour, water, and dust. The opal diffuser ensures the visual comfort and quality light.

Being equipped with medium power LED modules, FIPAD-06 LED offers both reduced power consumption and low maintenance costs giving the possibility of replacement of fluorescent solutions without compromising the colour of the light.
The compact and economical design provides perfect integration with the environment. The IP65 protection means for FIPAD-06 LED sealing gasket and polycarbonate or stainless steel clips and enable it to be used in damp places such as industry, warehouses, and sport areas.

**Application**

General indoor for humid environments with incombustible dust: industrial halls, warehouses, sport areas, workshops.

Covered outdoor areas (only under roofs, covers, cupolas that protect the luminaires against solar rays): railway stations, bus stations, waiting halls, garages, underground parkings, subway tunnels, covered storage areas, tunnels, subways, corridors, staircases.

Emergency lighting for evacuation for the variants FIPAD-06-1200mm, 1500mm + KIT EM1H.

**Light sources**

- Power LEDs, colour temperature or neutral-white 4000K, CRI ≥80, lifetime L80B10 of approximately 60,000 hours Ta=25°C.
- On request the product could be equipped with LEDs with colour temperature cool-white day-light (cool-white) 6500K, CRI ≥70 or warm-white 3000K, CRI ≥90.
- The LED system included in the product could replace or is equivalent with fluorescent lamp T8 Ø26mm, T5 Ø16mm.

**Advantages**

Economical, compact luminaire designed for use in harsh environments where robustness and performance are key features. Operates exclusively with LED, and makes it the best option for damp areas. Energy savings. It has easy installation and maintenance. Complies in full with the standards for IP65 protection – provides protection against dust and moisture and has high impact resistance IK08. Reduced maintenance costs. There are not necessary interventions for lamp replacements during exploitation.
### Product Type Specifications

<table>
<thead>
<tr>
<th>Product Type</th>
<th>L [mm]</th>
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### Photometric Data

- **FIPAD-06-2x1R5Bx30LED 4000K G2 OPAL**
- CIE: 44 74 92 93 93
- UTE: 0.86E+0.07T, η=93%
- UGR ≤22 (8H 4H 0.7/0.5/0.2) UGR\text{trans} 22.5 UGR\text{long} 21.9

Light distribution diagram [Cd/1000lm]
Description

- Light grey polycarbonate body, UV stable, resistant to impact, dust and moisture.
- Translucent polycarbonate diffuser for an optimal light distribution.
- White painted steel sheet gear rail.
- Polyamide with glass fibre clips that remains attached to the body when the luminaire is open.
- Polyurethane foam sealing gasket.
- The luminaire has a connector on one end, and a sealing gasket on the other end.
- Supply wire diameter: Φ8 ÷ Φ12 mm.
- Distance part made of polyamide with glass fibre.
- 3 poles serial terminal.
- Accessories included in the product: fast connector with 3 poles, screws and stainless steel clips
  and brackets for visible mounting on ceiling, and brackets and stainless steel hooks for suspended mounting.
- Gear (electronic driver) included in the product and manufactured according to the specific standards.
- Colour grey.

Variants on request

- On request the luminaire could be equipped with:
  - Fast connection kit 2 connectors (male-female)
  - Stainless steel clips
  - Gear(LED driver) for dimming: analogue control, PWM, DALI, DALI DT6, DSI
  - PC body and gear for operating at low temperatures till -25°C.
  - Screws for locking the cover against unauthorized opening for both plastic stainless steel clips
- On request the luminaire could be equipped with emergency lighting kit for 1 hour (1H)/ 3 hours (3H).
  (EM=emergency) for the variants FIPAD 1200mm, 1500mm + KIT EM.
- The variant with emergency lighting (EM - emergency) will be available after the finalization of the laboratory tests.
- The variant with emergency lighting with 1 LED module (EM - emergency):
  - The inverter ensures both the accumulators charging and the switch to the emergency functioning mode of the luminaire
  - Accumulators: Ni-Cd that ensure autonomy in emergency mode of 1 hour / 3 hours.
  - The charging time of the accumulators: 20h
  - On the emergency mode the LEDs are powered from accumulators and ensure a reduced lighting that is needed for room evacuation.
- Note: The options could be combined function of the client request.
Mounting

- Visible on ceiling or wall with screws and stainless brackets include in the product.
- Suspended with stainless steel hooks that must be demanded separately.
- When the luminaires are exposed to regular contacts with chemicals suspended in atmosphere please contact the manufacturer for advice.

Technical features

- Rated voltage: 230V/50Hz.
- Environment temperature range:
  - -20°C...+ 40°C
  - +5°C...+ 35°C for the variants with emergency lighting kit EM.
- Relative humidity: 80% at the temperature of + 20°C.
- Glow wire test:
  - 850°  PC body and diffuser
  - 650°  PC body and diffuser
- Mechanical impact resistance: IK08 (IK08 body, IK09 diffuser).
- 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 standard SR EN 60598-1, SR EN 60598-2-1, and SR EN 62031.

Compliance with the European Directives

- Low Voltage Directive.
- Electromagnetic Compatibility Directive.
The product could be realised in more variants functions of the length, respectively power.

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2x = housing type 2x width 145m, PC = opal polycarbonate diffuser,
1H/3H = with emergency lighting kit (for evacuation) for 1 hour/ 3 hours
DALI = dimmable driver protocol DALI

The tolerance of the initial flux and active power is ±10% from the specified value. These values were measured at the ambient temperature of 25°C, unless is not mentioned another temperature.
Accessories

**FAST CONNECTOR 3 poles**
1 connector - included in the product

*Note. For this variant the connection cables must be solid mono-wire with the section up to 2.5mm².*

**VISIBLE MOUNTING**
with brackets (included in the product)

Brackets for visible mounting (set of 2 pcs. / product).

**SUSPENDED MOUNTING**
with brackets and stainless steel hooks (set of 2 pcs. / product) included in the product

Options

**INOX (STAINLESS STEEL) CLIPS**
To be ordered

INOX clips
(set of 6 pcs for 600mm)
(set of 10 pcs for 1200mm)
(set of 12 pcs for 1500mm)

**SCREWS FOR LOCKING AGAINST UNAUTHORIZED OPENING**

Both plastic and stainless steel clips can be additionally fixed to the luminaire by screws

**EMERGENCY LIGHTING KIT 1H/3H**
To be ordered

Included only in the variants "+ EM 1H/3H"

**FAST CONNECTION KIT (PI)**
1 connector
Included in the product for the LED variant
To be ordered separately

Fast connection kit* (set of 1 piece / luminaire)
*Note. For this variant the connection cables must be solid mono-wire with the section up to 2.5mm².*

**FAST CONNECTION KIT 2 connectors (male-female)**
to be ordered

Fast connection kit: (1/2 pcs connector / product).
The male connector will be mounted on the product and it is included in the product for the DALI variant.

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

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