

Indoor luminaire

FIDA-19 LED

FIDA-19-2Rx4Mx32 LED OPAL-LED, FIDA-19 2Rx4Mx32 LED DALI OPAL-LED,
FIDA-19 2Rx4Mx32 LED SIG 1H/3H OPAL-LED




About the product

Designed for use in offices, hotels, commercial centres, healthcare centres, the new range of products FIDA-19/FIDI-19 LED ensures both an optical visual comfort through the emitted light, and a significant decrease of energy and maintenance expenses.

The product, with a simple design, and fast mounting, allows a good architectural integration.



EN 60598	RoHS	IP20	 -5°C ÷ +35°C +5°C...+ 35°C with emergency lighting kit	25W LED
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Application

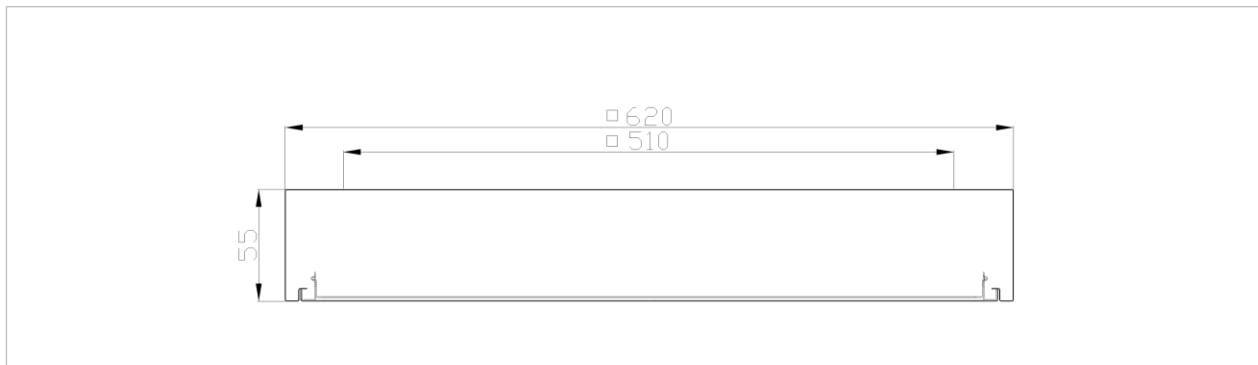
General indoor for public buildings: hotels - corridors, reception, entrance halls, lobbies, lounges, restaurants, commercial centres - corridors, receptions, fitting rooms, showrooms, healthcare centres – corridors, reception areas, waiting rooms. On request – emergency lighting for evacuation.

Light source

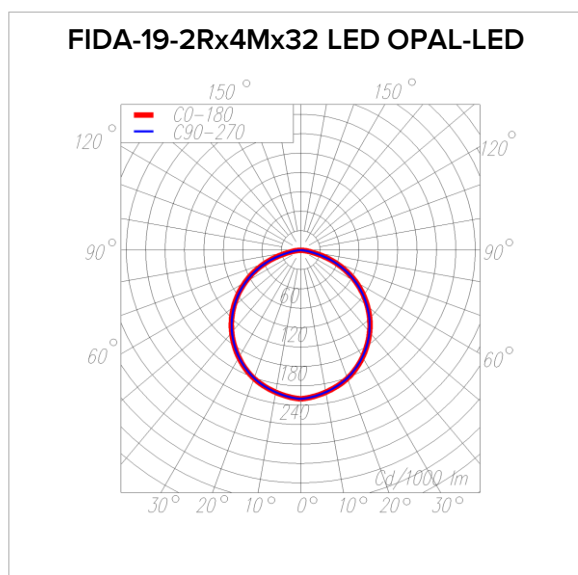
- Mid-power LEDs, colour temperature (neutral-white) 4000K, CRI \geq 80, lifetime L80B10 60,000 hours at Ta=25°C.
- On request the product could be equipped with LEDs with colour temperature cool-white day light 6500K CRI: \geq 70 or warm-white 3000K, CRI: \geq 90.
- The LED system included in the product could replace or is equivalent with fluorescent lamps T8 \varnothing 26mm, T5 \varnothing 16mm

Advantages

Quality light for a comfortable ambiance. Reduced energy consumption. Ideal for replacement of luminaires with fluorescent lamps. Reduced maintenance costs. There are not necessary interventions for light sources replacements during exploitation.



Product type	L [mm]	l [mm]	m [mm]	n [mm]	H [mm]
FIDA-19-2Rx4Mx32 LED OPAL-LED	620	620	510	510	55



Photometric data FIDA-19-2Rx4Mx32 LED OPAL-LED

UTE: 0.67E

CIE flux code: 46 78 95 100 67

UGR ≤20 (8H 4H 0.7/0.5/0.2 UGRtransv20.1

UGRlong20.1)

Light distribution diagram [Cd/1000lm]

Description

An indoor luminaire, with comfortable light, composed of:

- White painted with powder steel sheet body.
- Opal PMMA diffuser with improved light diffusion and uniformly distributed LED light in the surface. (OPAL-LED).
- Gear (electronic driver) included in the product and manufactured according to the specific standards.
- Equipped with connector with fuse.
- Colour: white.

Variants on request

- Equipped with emergency lighting kit (SIG=emergency) for an hour (1H) /3 hours (3H).
- The variant with emergency lighting (SIG - emergency) with 4xM32LED in emergency mode:
 - The inverter ensures both the accumulators charging and the switch to the emergency functioning mode of the luminaire
 - Accumulators:
 - 1hour: 4xNi-Cd CD C 4A 1.2V/1.6Ah or
 - 3hours: 4xNiCd CD 4A stick 1.2V/4.5Ahthat ensure autonomy in emergency mode of 1 hour or 3 hours.
 - The charging time of the accumulators: 20h
 - On the emergency mode the LEDs are powered by accumulators and ensure a reduced light level required for room evacuation.

Mounting

- Visible mounting on ceiling.

Technical features

- Rated voltage: 230V/50Hz.
- Environment temperature range:
 - -5°C...+ 35°C
 - +5°C...+ 35°C for the variants with emergency lighting kit EM1H/3H.
- Relative humidity: till 80% at the temperature of + 20°C.
- Jolt resistance according to SR EN 60068-2-29: 1000 ±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 6059-2-1, and SR EN 62031.

Compliance with the European Directives

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

Product type	Product code	Rated voltage [V]	Active power [W]	Power factor	Protection degree	Class of protection against electric shock	IK	Weight [Kg]	Total initial LEDs / net flux [lm]	Total luminous efficiency LED/ net [lm/W]
FIDA-19-2Rx4Mx32 LED OPAL-LED 4000K 3343lm	23417929	230	25	≥0.95	IP20	I	IK06	6.5	5000/ 3343	200/ 134
FIDA-19 2Rx4Mx32 LED SIG 1H OPAL-LED 4000K 3343lm	23417930	230	25	≥0.95	IP20	I	IK06	7.0	5000/ 3343	200/ 134
FIDA-19 2Rx4Mx32 LED SIG 3H OPAL-LED 4000K 3343lm	23417931	230	25	≥0.95	IP20	I	IK06	7.3	5000/ 3343	200/ 134
FIDA-19 2Rx4Mx32 LED DALI 3343 lm OPAL-LED 4000K	23417970	230	25	≥0.95	IP20	I	IK06	6.5	5000/ 3343	200/ 134
FIDA-19 2Rx4Mx32 LED DALI SIG 1H 3343 lm OPAL-LED 4000K	23417971	230	25	≥0.95	IP20	I	IK06	7.0	5000/ 3343	200/ 134
FIDA-19 2Rx4Mx32 LED DALI SIG 3H 3343 lm OPAL-LED 4000K	23417972	230	25	≥0.95	IP20	I	IK06	7.3	5000/ 3343	200/ 134

OPAL-LED = Opal PMMA diffuser for LEDs with improved light diffusion and uniformity;

DALI = Dimmable driver protocol DALI

SIG 1H/3H = with emergency lighting kit (for evacuation) for 1 hour/3 hours

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