

Indoor luminaire

FIDI-02-1x T8 Cristal


FIDI-02-118 PMP, FIDI-02-136 PMP Cristal



About the product

The luminaires from FIDI-02 range of products offers a versatile and ergonomic solution for indoor lighting. They were designed for line-up recessed mounting in order to realize a luminous line. It is a product with modern lines that adds a pleasant note to the spaces where it is installed.



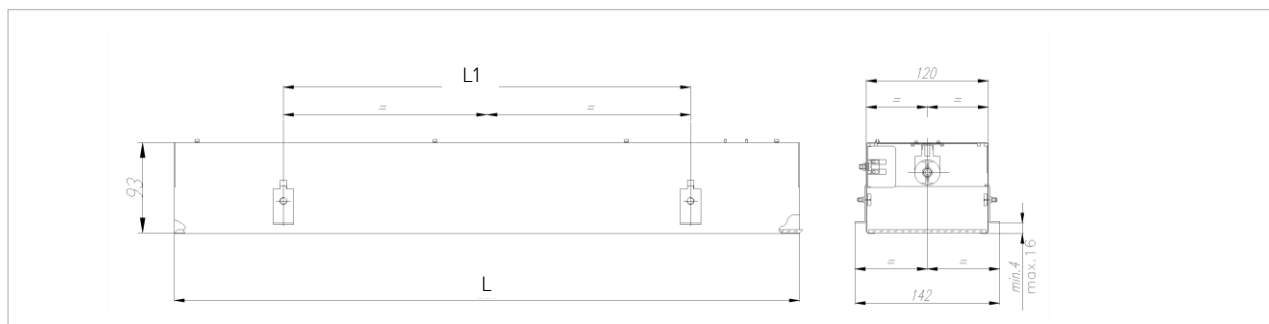
EN 60598	RoHS	IP40		-5°C ÷ +35°C	18W, 36W T8 G13
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Application

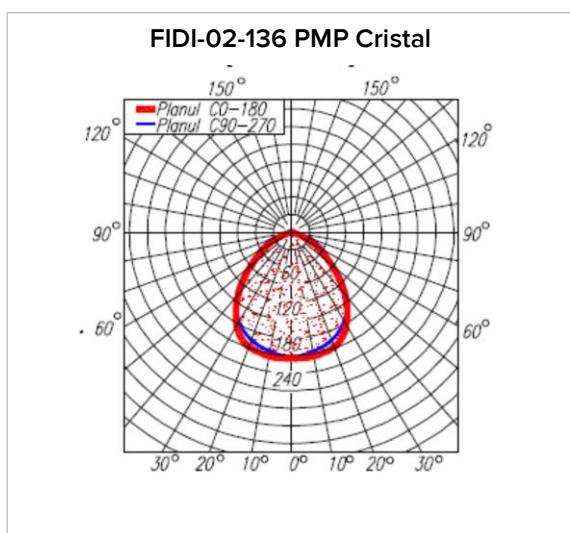
General indoor lighting: commercial areas, rooms with computers monitors. Emergency lighting with one fluorescent tube (1x36W).

Light sources

- Tubular fluorescent lamp T8 Ø26mm, socket G13



Product type	L [mm]	L1 [mm]	l [mm]	H [mm]	m [mm]	n [mm]
FIDI-02-118 Cristal	614	400	142	93	600	125
FIDI-02-136 Cristal	1225	800	142	93	1200	125



Photometric data FIDI-02-136 PMP
 CIE: 56 84 96 100 52
 UTE: 0.52D
 UGR <20 (8H 4H 0.7/0.5/0.2 UGR_{transv}19.1
 UGR_{long}18.7)
 Light distribution diagram [Cd/1000lm]

Description

- Steel sheet body white painted with powder.
- Transparent patterned PMMA diffuser (PMP).
- 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:
 - white opal PMMA diffuser with high transmission ($\tau = 80\%$) (PMO).
 - high performance electronic ballast HFP,
 - standard electronic ballast HFS or
 - dimmable electronic ballast HFR (protocol 1-10V/ DALI) (1x36W)
 - emergency lighting kit for 3 hours (3H) or 1 hour (1H). (1x36W).
 - connector type Wieland GST 18i3 male CS1
 - connector Push-In PI
 - with 2 fluorescent tubes T5-28W (var. 1200mm)
- The variant with emergency lighting with fluorescent lamp (EM - emergency):
 - The inverter ensures both the accumulators charging and the switch to the emergency functioning mode of the luminaire
 - Accumulators: Ni-Cd 3x1,2V/4Ah that ensure autonomy in emergency mode of 3 hours or 1 hour function of the inverter.
 - The charging time of the accumulators: 12 hours
 - On emergency mode during 1 or 3 hours the luminous flux is maintained to min. 8% from the nominal lamp flux.
- Note: The options could be combined function of the client request.

Mounting

- Recessed in modular ceilings with the cut-out width of 125mm, in line in order to realize a luminous line.
- Visible against the surface of the false ceiling (4-16mm).
- Modular false ceiling dimensions 600x125 (FIRI-02-118), 1200x125(FIRI-02-136).

Technical features

- Rated voltage: 230V/50Hz
- Surrounding temperature: $-5^{\circ}\text{C} \div + 35^{\circ}\text{C}$
- Relative humidity: till 80% at the temperature of $+ 20^{\circ}\text{C}$
- Saline fog: 48 hours according to SR EN 60068-2-11

- Mechanical impact resistance: IK07
- Jolt resistance according to SR EN 60068-2-29: 1000 ±10 jolts, acceleration of 10g, 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 power, length, diffuser, gear.

Product type	Rated voltage [V]	Rated power [W]	Power factor cos φ	Protection degree	Class of protection against electric shock	Weight [Kg]
FIDI-02-118 PMP Cristal	230	1x18	min. 0.92	IP 40	I	2.40
FIDI-02-118 PMP HFS Cristal	230	1x18	min. 0.96	IP 40	I	2.18
FIDI-02-118 PMP HFP Cristal	230	1x18	min. 0.96	IP 40	I	2.18
FIDI-02-118 PMO Cristal	230	1x18	min. 0.92	IP 40	I	2.40
FIDI-02-118 PMO HFS Cristal	230	1x18	min. 0.96	IP 40	I	2.18
FIDI-02-118 PMO HFP Cristal	230	1x18	min. 0.96	IP 40	I	2.18
FIDI-02-136 PMP Cristal	230	1x36	min. 0.92	IP 40	I	3.50
FIDI-02-136 PMP HFS Cristal	230	1x36	min. 0.96	IP 40	I	3.26
FIDI-02-136 PMP HFP Cristal	230	1x36	min. 0.96	IP 40	I	3.26
FIDI-02-136 PMP HFR Cristal	230	1x36	min. 0.96	IP 40	I	3.26
FIDI-02-136 PMO Cristal	230	1x36	min. 0.92	IP 40	I	3.50
FIDI-02-136 PMO HFS Cristal	230	1x36	min. 0.96	IP 40	I	3.26
FIDI-02-136 PMO HFP Cristal	230	1x36	min. 0.96	IP 40	I	3.26

Product type	Rated voltage [V]	Rated power [W]	Power factor cos φ	Protection degree	Class of protection against electric shock	Weight [Kg]
FIDI-02-136 PMO HFP Cristal	230	1x36	min. 0.96	IP 40	I	3.26
FIDI-02-136 PMO + EM 1H Cristal	230	1x36	min. 0.96	IP 40	I	4.11
FIDI-02-136 PMO + EM 3H Cristal	230	1x36	min. 0.96	IP 40	I	4.35
FIDI-02-136 PMO HFS + EM 1H Cristal	230	1x36	min. 0.96	IP 40	I	3.87
FIDI-02-136 PMO HFS + EM 3H Cristal	230	1x36	min. 0.96	IP 40	I	4.11
FIDI-02-136 PMO HFP + EM 1H Cristal	230	1x36	min. 0.96	IP 40	I	3.81
FIDI-02-136 PMO HFP + EM 3H Cristal	230	1x36	min. 0.96	IP 40	I	4.11

PMP = Transparent patterned PMMA diffuser; PMO = white opal PMMA diffuser with high transmission ($\tau = 80\%$); HFS = standard electronic ballast; HFP = high performance electronic ballast; HFR = dimmable electronic ballast (protocol 1-10V/ DALI); EM 1H = emergency lighting kit for 1 hour; EM 3H = emergency lighting kit for 3 hours

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

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