

TYPE OF PRODUCTS

Very slim LED panels with high efficiency and low luminance. UGR lower than 19, for installation in T24 false ceilings, module 600 or 625. IDA can also be surface-mounted, with an optional frame or directly with screws (/V version)

MECHANICAL CONSTRUCTION

Extruded aluminium frame welded and white powder-coated with high covering power to maintain the frame's heat dissipation capacity, RAL 9016. Unit receiving the LED equipment and ensuring the assembly of the optical layers. Closing by a steel plate on the back of the luminaire.

OPTICS

Optical unit made with a reflective sheet incorporating Toray Lumirror technology, a Mitsubishi PMMA light guide and a microprismatic diffuser. Allow to reach an **UGR lower than 19**.

LED MODULES

LED modules SMD placed over the edges of the luminaire.

Optimised lifetime, L80 to 50.000 hours.

Low colour dispersion, (3 SDCM).

Colour rendering index : 85 (±3).

TEMPERATURE

Reference ambient temperature: 25°C. Operating temperature range: 10 to 30°C (the temperature affects the lifetime of the LEDs).

POWER SUPPLY

Luminaire made with an external electronic power supply (EPF) from PHILIPS Xitanium. DALI dimming (GDA) available in option.

INSTALLATION

/E Version

- On T24 grid ceiling with hook for safety suspension.

- Surface-mounted with the optional frame.

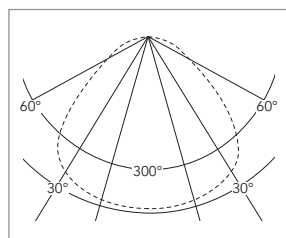
/V Version

- To screw directly on the ceiling. In this case, foresee an access to the power supply on the top of the false ceiling.

WIRING

Connection to the power grid on the external power supply.

PHOTOMETRY



MP VERSION (UGR<19)

OPTIONS



Kit secours KS3

Philips Trustsight BASIC kit, 3.6 V 4000 mAh NiMH battery, power supply 3W for 3 h, approx. 300 Lm.



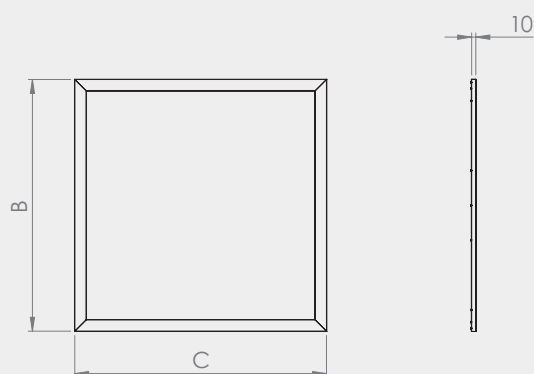
DETAIL



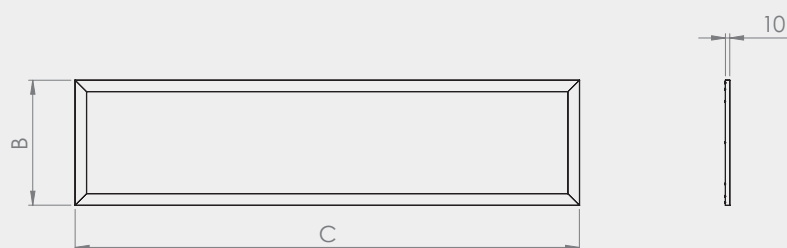
SMOOTH FRAME
in welded aluminium

DIMENSIONS (mm)

TYPE A



TYPE B



ACCESSORIES



CODE	REFERENCE
Frame for surface-mounting with integration of the driver, thickness 50 mm	
A1050ACC	Frame for surface-mounting - For LED panel 600x600
A1052ACC	Frame for surface-mounting - For LED panel 1200x300

REFERENCES AND FEATURES

CODE	REFERENCE	Type	B (mm)	C (mm)	P (W)	Emitted flux (Lm)	Lm/W	K
Recessed version - MPMI - Module 600x600 - Installation on grid ceiling								
EDO2104EPF	IDA-E 20/40 MPMI LED 597/597 4400/1 40/840 EPF	A	597	597	34	4400	110	4000
EDO2105EPF	IDA-E 20/40 MPMI LED 1197/297 5940/1 54/840 EPF	B	1197	297	54	5940	110	4000
Versions /V - MPMI - Module 600x600 - Fixation with screws (power supply to put on the top of the false ceiling) For metal ceiling only								
SUR1082EPF	IDA-V 20/40 MPMI LED 597/597 4400/1 40/840 EPF	A	597	597	34	4400	110	4000
SUR1083EPF	IDA-V 20/40 MPMI LED 1197/297 5940/1 54/840 EPF	B	1197	297	54	5940	110	4000
Recessed version - MPMI - Module 625x625 - Installation on T24 grid ceiling								
EDO2246EPF	IDA-E 20/40 MPMI LED 620/620 4400/1 40/840 EPF	A	620	620	34	4400	110	4000

Light and power output tolerance $\pm 10\%$

Standards and warranty

Compliance : information on the compliance of our products with the relevant standards and directives is available on our website.

Warranty : our warranty conditions are indicated in our general terms and conditions of sale. There are special conditions depending on the product range. These conditions can be checked on our website : www.isoone-cleanroom-lighting.com/conditions-generales-de-vente/

Temperature and switches on : the operating temperature and the number of daily switches have an influence on the lifetime of the products. Our luminaires are designed to withstand at least 15.000 switches on following EU 1194/2012.

Please consult us for more information.

Note

ISOONE reserves the right to modify or update this document at any time within the framework of the technological evolution and the updating of our technical documentation. Despite the care taken in the design and the updating of this card, it can not under any circumstances constitute a contractual document.

UE Declaration of Conformity

LA MANUFACTURE DE FRANCE SAS
18 rue Jean Monnet
31240 Saint-Jean

CERTIFIES,
under its own responsibility, that the ISOONE luminaires **IDA**

EDO2104EPF	SUR1082EPF	EDO2246EPF
EDO2105EPF	SUR1083EPF	

are designed and manufactured in accordance with the following harmonized directives and standards :

SECURITY

2014/35/UE (26/02/2014)	Electrical equipment designed for use within certain voltage limits.
EN 60598-1 : 2015	Luminaires - Part 1 : General requirements and tests.
EN 60598-2-2 : 2012	Luminaires - Part 2-1 : Particular requirements - Fixed luminaires for general lighting.
EN 62493 : 2015	Assessment of lighting equipment related to human exposure to electromagnetic Field.
EN 62471 : 2008	Photobiological safety of lamps and devices using lamps.

ELECTROMAGNETIC COMPATIBILITY

2014/30/UE (26/02/2014)	European « EMC » Directive.
EN 55015 : 2013 + A1 : 2015	Limits and methods of measurement of electrical radio interference from electrical lighting and similar equipment.
EN 61000-3-2 : 2019	Electromagnetic compatibility (EMC) - Part 3-2 : Limits - Limits for harmonic current emissions (current drawn by equipment ≤ 16 A per phase).
EN 61000-3-3 : 2014	Electromagnetic compatibility (EMC) - Part 3-3 : Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.
EN 61547 : 2009	General purpose lighting equipment - EMC immunity requirements.

ECO-CONCEPTION

2009/125/CE (21/10/2009) + 2019/2020 (01/10/2019)	European « ErP » directive + regulation.
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RESTRICTION OF DANGEROUS SUBSTANCES

2011/65/UE (08/06/2011)	European directive « RoHS ».
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Certificate issued on May 15th 2023

President, **Frédéric Colombo**

