TERRA 2 LED P IOT PIR BT 595X595MM X2 5050LM 830 WHITE GLOSSY (48W)

DETAILED CARD



TECHNICAL PARAMETERS

Rated power of the luminaire [W]*:	48
Luminous flux [lm]*:	5050
Energy efficiency class:	E
Electrical protection class:	II
Colour temperature [K]:	3000
Beam angle [°]:	90

CHARACTERISTICS

Recessed square LED luminaire with high total luminous Flux. Made of powder-coated white steel sheet. The luminaire has a patented HE reflector installed, which ensures efficiency and effectively eliminates glare. Available mounting versions: surface mounted, surface mounted on neodymium magnets (magnet ver. / N-MAG), flush-mounted in modular or KG ceilings (using an adapter), or suspended. In the surface-mounted version, solutions influencing the speed and safety of installation were used. In addition, the versions with neodymium magnets shorten the installation time of surface-mounted versions to an absolute minimum.

IoT characteristics
Variants available:
IoT BT CAS DALI a built-in **BT CAS** module that allows you to program functions in the CASAMBI app and control in real time, and a **DALI** driver that allows you to dim the light source.
IoT BT HYT PWM BT HYT module (built into the driver) allowing you to program functions in the Lena Lighting Clue app and control in real time, and a **PWM** driver for dimming the light source.
IoT BT PIR HYT DALI a built-in **BT HYT** module that allows you to program functions in the Lena Lighting Clue app and control in real time; **PIR** motion and daylight sensor and **DALI** driver for dimming the light source.
IoT BT PIR HYT PWM BT HYT module (built into the driver) allowing for programming functions in the Lena Lighting Clue application and real-time control; **PIR** motion and daylight sensor and **PWM** driver for dimming the light source.
IoT DS HYT 1-10V a built-in **DS** daylight sensor and a **1-10V** driver for dimming the light source.

APPLICATION

General-purpose recessed luminaire for indoor application in offices or other utility rooms. Appropriate as the main light source even when the work requires eyesight concentration.
UGR <19
Unified Glare Rating is an indicator characterizing glare. The lower the Unified Lighting Rating Index (UGR), the lower the glare. In the case of luminaires designed for office spaces, UGR <19, among, others improves the comfort of work, reduces errors and fatigue. The UGR value also depends on many factors characterizing the room and the location of the observer. Special computer programs should be used to precisely determine the degree of glare for specific conditions.

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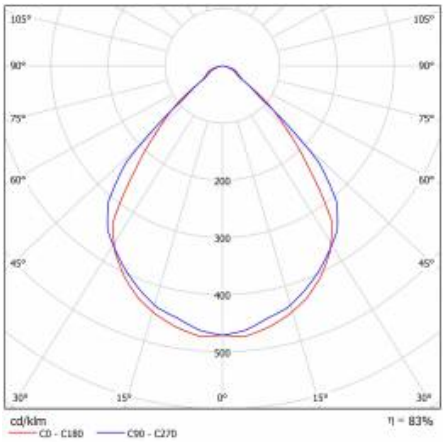
DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	224409
Light source:	LED module
Rated power of the luminaire [W]:	48
Luminous flux [lm]:	5050
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	102
Energy efficiency class:	E
Electrical protection class:	II
Colour temperature [K]:	3000
Color rendering index (Ra) >:	80
SDCM:	3
Power factor:	0.96
LED lifespan L70B50 [h]:	132000
LED lifespan L80B10 [h]:	84000
LED lifespan L90B10 [h]:	42000
Beam angle [°]:	90
Efficiency of the luminaire:	0.71

Optics:	HE
Material of the body:	powder coated steel
Colour of the body:	white gloss
Dimensions (H/W/T/S) [mm]:	595/595/32
Ingress protection:	IP20
Mounting version:	recessed
Working temperature [°C]:	from 0 to +35
Number on the palette [pcs]:	40
Net weight [kg]:	1.850
Category type:	troffers
PIR:	yes
Product line:	2x1
Warranty [years]:	5
CE certificate:	445/2023
Environmental Product Declaration (EPD):	869/2025
Manual:	Download PDF
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018

LIGHT CURVES



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DETAILED CARD

TECHNICAL DETAILS



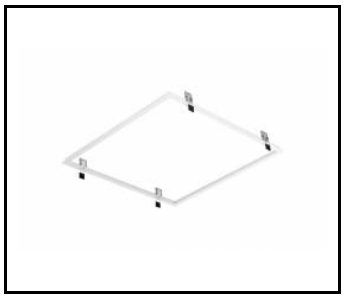
TERRA 2 LED

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ACCESSORIES AVAILABLE

index	Name
374845	Frame adapter KG 635x635 WHITE



Frame adapter KG 635x635
WHITE (374845)

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 445/2023

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl