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

**DETAILED CARD** 





#### **TECHNICAL PARAMETERS**

Colour temperature [K]:

Rated power of the luminaire [W]*:	48
Luminous flux [lm]*:	5050
Energy efficiency class:	Е
Electrical protection class:	II

Beam angle [°]: 90

3000

#### **CHARACTERISTICS**

Recessed square LED luminaire with high total luminous Flux. Made of powdercoated 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

functions in the Lena Lighting Clue app and control in real time, and a **PWM** driver for dimming the light source. IoT BT HYT PWM BT HYT module (built into the driver) allowing you to program

**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 a1-10V 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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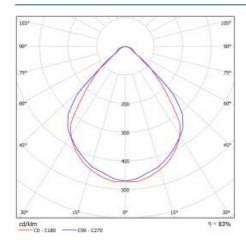
**DETAILED CARD** 

#### **TECHNICAL PARAMETERS TABLE**

Index:	224409
Light source:	LED module
Rated power of the luminaire [W]:	48
Luminous flux [Im]:	5050
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	102
Energy efficiency class:	Е
Electrical protection class:	II
Colour temperature [K]:	3000
Colour rendering index:	80
SDCM:	≤3
Power factor:	0.96
LED lifespan L70B50 [h]:	132000
LED lifespan L80B20 [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 -20 to +35
Number on the palette [pcs]:	40
Net weight [kg]:	1.850
Warranty [years]:	5
Category type:	troffers
PIR:	yes
CE certificate:	445/2023
Product line:	2x1

### **LIGHT CURVES**





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### **TECHNICAL DETAILS**



TERRA 2 LED

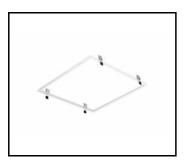


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#### **ACCESSORIES AVAILABLE**

index	Name
999543	Plasterboard recessing kit 630x630 white (steel version)



Plasterboard recessing kit 630x630 white (steel version) (999543)

Card creation date: 18 July 2025

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%

