

# TERRA 2 LED P IOT PIR BT 595X595MM X2 5050LM 830 WHITE MAT (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 **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.

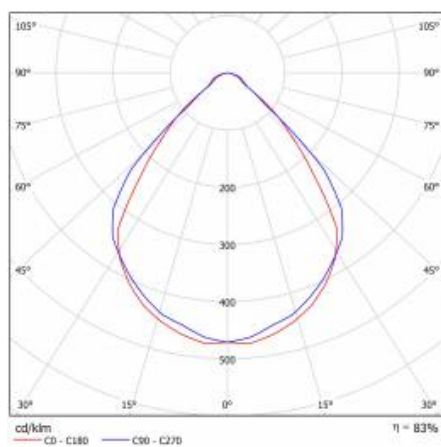
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## TECHNICAL PARAMETERS TABLE

Index:	224393	Beam angle [°]:	90
Light source:	LED module	Efficiency of the luminaire:	0.71
Rated power of the luminaire [W]:	48	Optics:	HE
Luminous flux [lm]:	5050	Material of the body:	powder coated steel
Supply voltage [V]:	220 - 240	Colour of the body:	white mat
Frequency [Hz]:	50 - 60	Dimensions (H/W/T/S) [mm]:	595/595/32
Luminous efficacy [lm/W]:	102	Ingress protection:	IP20
Energy efficiency class:	E	Mounting version:	recessed
Electrical protection class:	II	Working temperature [°C]:	from -20 to +35
Colour temperature [K]:	3000	Number on the palette [pcs]:	40
Color rendering index (Ra) >:	80	Net weight [kg]:	1.850
SDCM:	3	Warranty [years]:	5
Power factor:	0.96	Category type:	troffers
LED lifespan L70B50 [h]:	132000	PIR:	yes
LED lifespan L80B10 [h]:	84000	CE certificate:	<a href="#">445/2023</a>
LED lifespan L90B10 [h]:	42000	Product line:	2x1

## LIGHT CURVES



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## TECHNICAL DETAILS

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TERRA 2 LED

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## ACCESSORIES AVAILABLE

index	Name
374845	Frame adapter KG 635x635 WHITE



Frame adapter KG 635x635  
WHITE (374845)

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%



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



Certificate CE - Nr: 445/2023