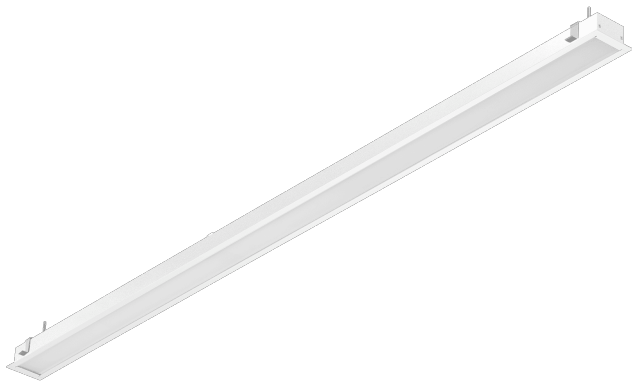


BARIS 52 LED P GK 1145MM 1600LM 830 IP44/IP20 I CL. PLX WHITE 16W

DETAILED CARD



TECHNICAL PARAMETERS

Ingress protection:	IP44/IP20
Rated power of the luminaire [W]*:	16
Luminous flux [lm]*:	1600
Colour temperature [K]:	3000
Energy efficiency class:	E
Material of the body:	aluminium
Colour of the body:	white
Diffuser material:	PC
Diffuser type:	OPAL
Mounting version:	flush-mounted in plasterboard ceilings

CHARACTERISTICS

Recessed lighting luminaire of classic proportions and modern design intended for installation in plaster-cardboard ceilings. Luminaire construction allows for installation in ceilings with two-level cross grid without breaching main (top) profiles. It is possible due to appropriately selected height of the lamp profile, reduced to 37mm and separate box for the power supply, which can be placed next to the luminaire. The luminaire is offered in four lengths with the possibility to combine into a line with a constant flux ratio from the meter (system available on request). Luminaire body is made of anodized aluminum profile in grey or aluminum profile painted white or black (other colors available on request). The optical system is in the form of a dedicated, flexible opal diffuser uniformly illuminating the luminaire, with a PRM prismatic diffuser or with a louver meeting the stringent requirements regarding glare UGR<19. The luminaire comes with a complete mounting system for a quick and easy installation in plasterboard ceilings.

APPLICATION

The luminaire is dedicated for indoor use. It is applied as the source of the main light and conducive to office work requiring concentration of eyesight. Classic design, energy-saving LED modules and the possibility of cooperation with external lighting control systems in the DALI standard dedicate the lamp to be used in modern office buildings of the A+ class, with particular consideration of representative rooms, conference halls, passageways and everywhere, where a low glare and/or high IP44 sealing from below is required.

DETAILED CARD

Index:	927959	Exchangeable source:	yes
Rated power of the luminaire [W]:	16	Diffuser material:	PC
EAN:	'5905963927959	Colour of the body:	white
Colour temperature [K]:	3000	Diffuser colour:	milky
Luminous flux [lm]:	1600	Dimensions (H/W/T/S) [mm]:	37/69/1145
Diffuser type:	OPAL	Material of the body:	aluminium
Supply voltage [V]:	220 - 240	Ingress protection:	IP44/IP20
Frequency [Hz]:	50-60	Mounting version:	flush-mounted in plasterboard ceilings
Luminous efficacy [lm/W]:	100	Net weight [kg]:	1.720
Energy efficiency class:	E	Impact resistance:	IK03
Electrical protection class:	I	Working temperature [°C]:	from -25 to +35
Colour rendering index:	>80	Warranty [years]:	5
SDCM:	≤ 3	CE certificate:	235/2023
LED lifespan L70B50 [h]:	109 000	PZH certificate:	B-BK-60112-0357/2023
LED lifespan L80B20 [h]:	69 000	Manual:	Download PDF
LED lifespan L90B10 [h]:	34000	Plik LDT:	Download

Figure 1 is a polar plot showing the angular distribution of the ratio of the cross section of the C90 to the cross section of the C0-180, $\sigma_{C90}/\sigma_{C0-180}$, as a function of the angle θ . The plot features concentric circles representing values of 86, 172, 259, and 345. Two curves are shown: a red curve for C0-180 and a blue curve for C90-270. The red curve is relatively flat, while the blue curve shows a significant peak at $\theta = 0^\circ$.

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