# LUMEDIC 595X595MM SM 5600LM 830 GLASS/OPAL/PRM MB IP65/50 I CL. W IK09 49W

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index: 783029

Ingress protection: IP65/50

Impact resistance: IK09

Rated power of the luminaire [W]\*: 49

Luminous flux [lm]\*: 5600

Colour temperature [K]: 3000

Colour rendering index: 80

Energy efficiency class:

Material of the body: powder coated steel

**Diffuser material:** szyba hartowana

#### **CHARACTERISTICS**

Lumedic is a specialist Cleanroom luminaire designed for clean rooms with increased hygiene and sterility requirements. Its design ensures ease of cleaning and high mechanical and environmental resistance. A robust steel housing with IP65 protection on the room side and IP50 on the technical side ensures complete tightness in a sterile environment, while allowing free air flow above the suspended ceiling. Service access is provided from the technical side (top inspection), allowing maintenance without interfering with the clean room.

The front of the luminaire is made of aluminium and 4 mm thick tempered glass, resistant to impact (IK09 class) and chemicals. The modular shutter system (Glass / Opal / PRM) allows you to select the appropriate optical characteristics depending on the application requirements — from uniform, diffused light to precise directional distribution.

## **APPLICATION**

- $\bullet \ \ laboratories \ (microbiological, \ pharmaceutical, \ chemical),$
- ${\color{blue} \bullet}$  hospitals (operating theatres, intensive care units, diagnostic laboratories),
- food and pharmaceutical industry,
- cleanrooms in electronics and semiconductor manufacturing.



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#### **TECHNICAL PARAMETERS TABLE**

Index:	783029
EAN:	5905963783029
Light source:	LED module
Rated power of the luminaire [W]:	49
Supply voltage [V]:	220 - 240
Frequency [Hz]:	0-50-60
Luminous flux [lm]:	5600
Luminous efficacy [lm/W]:	114
Energy efficiency class:	E
Electrical protection class:	1
Colour temperature [K]:	3000
Colour rendering index:	80
Power factor:	0.95
Surge protection [kV]:	1
Diffuser material:	szyba hartowana
Diffuser type:	Opal PRM
Optics material:	PC
Optics:	PRM
Material of the body:	powder coated steel

Colour of the body:	white Ral9003
Ring colour:	white Ral9003
Dimensions (H/W/T/S) [mm]:	595/595/65
Mounting dimensions [mm]:	585/585
Impact resistance:	IK09
Ingress protection:	IP65/50
Mounting version:	recessed
Working temperature [°C]:	from -20 to +35
Number on the palette [pcs]:	16
Net weight [kg]:	11
SDCM:	3
LED lifespan L70B50 [h]:	149000
LED lifespan L80B20 [h]:	100000
LED lifespan L90B10 [h]:	50000
Warranty [years]:	5
CE certificate:	<u>123/2025</u>
Manual:	Download PDF
Plik LDT:	Download

Card creation date: 08 October 2025



