

LUMEDIC 595X595MM SM 12100LM RA80 4000K GLASS/PRM LNS IP65 I CL. AW3H W IK09 R 83W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	520969
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	83
Luminous flux [lm]*:	12100
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
Energy efficiency class:	D
Material of the body:	powder coated steel
Diffuser material:	szyba hartowana

CHARACTERISTICS

Lumedic SM R this is a specialist cleanroom luminaire designed for cleanrooms with an air cleanliness class of ISO 3–9, in accordance with ISO 14644-1:2015 Cleanroom, and meeting stringent 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 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. The SM R version is designed for installation in modular ceilings.

APPLICATION

- laboratories (microbiological, pharmaceutical, chemical),
- 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:	520969	Mounting dimensions [mm]:	585/585
EAN:	5905963520969	Impact resistance:	IK09
Light source:	LED module	Ingress protection:	IP65
Rated power of the luminaire [W]:	83	Mounting version:	recessed
Supply voltage [V]:	220 - 240	Working temperature [°C]:	from -20 to +35
Frequency [Hz]:	0/50/60	Number on the palette [pcs]:	16
Luminous flux [lm]:	12100	Net weight [kg]:	11.600
Emergency luminous flux [lm]*:	270	Charging time [h:min]:	16
Luminous efficacy [lm/W]:	146	Battery life [h:min]:	3
Energy efficiency class:	D	Battery:	Li-Ion
Electrical protection class:	I	Battery capacity [mAh]:	5000
Colour temperature [K]:	4000	Emergency lighting [h]:	3
Color rendering index (Ra) >:	80	Autotest:	yes
Power factor:	0.95	Operating mode:	yes
Surge protection [kV]:	2	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Diffuser material:	szyba hartowana	Warranty [years]:	5
Diffuser type:	Glass/PRM	CE certificate:	88/2026
Optics:	PRM	ENEC Certificate:	0463/ENEC/25
Material of the body:	powder coated steel	PZH certificate:	B-BK-60112-0109/2026
Colour of the body:	biały Ral 9003	Environmental Product Declaration (EPD):	869/2025
Ring material:	biały Ral 9003	Manual:	Download PDF
Ring colour:	biały Ral 9003	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
Dimensions (H/W/T/S) [mm]:	595/595/65	Plik LDT:	Download

Card creation date: 07 May 2026

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: 88/2026