

LUMEDIC 595X595MM SM 11550LM RA80 4000K GLASS/OPAL LNS IP65 I CL. AW3H W IK09 R 83W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	520921
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	83
Luminous flux [lm]*:	11550
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:	520921	Ingress protection:	IP65
EAN:	5905963520921	Mounting version:	recessed
Light source:	LED module	Working temperature [°C]:	from -20 to +35
Rated power of the luminaire [W]:	83	Number on the palette [pcs]:	16
Supply voltage [V]:	220 - 240	Net weight [kg]:	11.600
Frequency [Hz]:	0/50/60	LED lifespan L70B50 [h]:	150000
Luminous flux [lm]:	11550	LED lifespan L80B10 [h]:	100000
Emergency luminous flux [lm]*:	270	LED lifespan L90B10 [h]:	50000
Luminous efficacy [lm/W]:	139	Charging time [h:min]:	16
Energy efficiency class:	D	Battery life [h:min]:	3
Electrical protection class:	I	Battery:	Li-Ion
Colour temperature [K]:	4000	Battery capacity [mAh]:	5000
Color rendering index (Ra) >:	80	Emergency lighting [h]:	3
Power factor:	0.95	Autotest:	yes
Surge protection [kV]:	2	Operating mode:	yes
Diffuser material:	szyba hartowana	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Diffuser type:	Glass/Opal	Warranty [years]:	5
Optics:	OPAL	CE certificate:	88/2026
Material of the body:	powder coated steel	ENEC Certificate:	0463/ENEC/25
Colour of the body:	biały Ral 9003	PZH certificate:	B-BK-60112-0109/2026
Ring material:	biały Ral 9003	Environmental Product Declaration (EPD):	869/2025
Ring colour:	biały Ral 9003	Manual:	Download PDF
Dimensions (H/W/T/S) [mm]:	595/595/65	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
Mounting dimensions [mm]:	585/585	Plik LDT:	Download
Impact resistance:	IK09		

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