

LUMEDIC 595X595MM SM 6875LM RA80 3000K GLASS/PRM MB IP65/IP50 I CL. DALI W IK09 R 49W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	783449
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	49
Luminous flux [lm]*:	6875
Colour temperature [K]:	3000
Color rendering index (Ra) >:	80
Energy efficiency class:	D
Material of the body:	powder coated steel
Diffuser material:	szyna hartowana

CHARACTERISTICS

Lumedic SM R 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. 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:	783449	Ring material:	biały Ral9003
EAN:	5905963783449	Ring colour:	white Ral9003
Light source:	LED module	Dimensions (H/W/T/S) [mm]:	595/595/65
Rated power of the luminaire [W]:	49	Mounting dimensions [mm]:	600/600
Supply voltage [V]:	220 - 240	Impact resistance:	IK09
Frequency [Hz]:	0/50/60	Ingress protection:	IP65
Luminous flux [lm]:	6875	Mounting version:	recessed
Luminous efficacy [lm/W]:	140	Working temperature [°C]:	from -20 to +35
Energy efficiency class:	D	DIMM DALI:	yes
Electrical protection class:	I	Number on the palette [pcs]:	16
Colour temperature [K]:	3000	Net weight [kg]:	11
Color rendering index (Ra) >:	80	LED lifespan L70B50 [h]:	150000
Power factor:	0.99	LED lifespan L80B20 [h]:	100000
Surge protection [kV]:	1	LED lifespan L90B10 [h]:	50000
Diffuser material:	szyna hartowana	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Diffuser type:	Glass/PRM	Warranty [years]:	5
Optics material:	PS	CE certificate:	151/2025
Optics:	PRM	ENEC Certificate:	0463/ENEC/25
Material of the body:	powder coated steel	Manual:	Download PDF
Colour of the body:	white Ral9003	Plik LDT:	Download

Card creation date: 11 December 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: 151/2025