

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

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	783432
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	49
<b>Luminous flux [lm]*:</b>	6875
<b>Colour temperature [K]:</b>	3000
<b>Color rendering index (Ra) &gt;:</b>	80
<b>Energy efficiency class:</b>	D
<b>Material of the body:</b>	powder coated steel
<b>Diffuser material:</b>	szyba 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:	783432	Colour of the body:	white Ral9003
EAN:	5905963783432	Ring material:	biały Ral9003
Light source:	LED module	Ring colour:	white Ral9003
Rated power of the luminaire [W]:	49	Dimensions (H/W/T/S) [mm]:	595/595/65
Supply voltage [V]:	220 - 240	Mounting dimensions [mm]:	600/600
Frequency [Hz]:	0/50/60	Impact resistance:	IK09
Luminous flux [lm]:	6875	Ingress protection:	IP65
Luminous efficacy [lm/W]:	140	Mounting version:	recessed
Energy efficiency class:	D	Working temperature [°C]:	from -20 to +35
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:	0.95	LED lifespan L80B20 [h]:	100000
Surge protection [kV]:	1	LED lifespan L90B10 [h]:	50000
Diffuser material:	szyba hartowana	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Diffuser type:	Glass/PRM	Warranty [years]:	5
Optics material:	PS	CE certificate:	<a href="#">151/2025</a>
Optics:	PRM	ENEC Certificate:	<a href="#">0463/ENEC/25</a>
Material of the body:	powder coated steel	Manual:	<a href="#">Download PDF</a>