

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

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	520969
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	83
<b>Luminous flux [lm]*:</b>	12100
<b>Colour temperature [K]:</b>	4000
<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 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

<b>Index:</b>	520969	<b>Ingress protection:</b>	IP65
<b>EAN:</b>	5905963520969	<b>Mounting version:</b>	recessed
<b>Light source:</b>	LED module	<b>Working temperature [°C]:</b>	from -20 to +35
<b>Rated power of the luminaire [W]:</b>	83	<b>Number on the palette [pcs]:</b>	16
<b>Supply voltage [V]:</b>	220 - 240	<b>Net weight [kg]:</b>	11.600
<b>Frequency [Hz]:</b>	0/50/60	<b>LED lifespan L70B50 [h]:</b>	150000
<b>Luminous flux [lm]:</b>	12100	<b>LED lifespan L80B10 [h]:</b>	100000
<b>Emergency luminous flux [lm]*:</b>	270	<b>LED lifespan L90B10 [h]:</b>	50000
<b>Luminous efficacy [lm/W]:</b>	146	<b>Charging time [h:min]:</b>	16
<b>Energy efficiency class:</b>	D	<b>Battery life [h:min]:</b>	3
<b>Electrical protection class:</b>	I	<b>Battery:</b>	Li-Ion
<b>Colour temperature [K]:</b>	4000	<b>Battery capacity [mAh]:</b>	5000
<b>Color rendering index (Ra) &gt;:</b>	80	<b>Emergency lighting [h]:</b>	3
<b>Power factor:</b>	0.95	<b>Autotest:</b>	yes
<b>Surge protection [kV]:</b>	2	<b>Operating mode:</b>	yes
<b>Diffuser material:</b>	szyba hartowana	<b>Photobiological safety:</b>	RG0 - exempt (no photobiological hazard)
<b>Diffuser type:</b>	Glass/PRM	<b>Warranty [years]:</b>	5
<b>Optics:</b>	PRM	<b>CE certificate:</b>	<a href="#">88/2026</a>
<b>Material of the body:</b>	powder coated steel	<b>ENEC Certificate:</b>	<a href="#">0463/ENEC/25</a>
<b>Colour of the body:</b>	biały Ral 9003	<b>PZH certificate:</b>	<a href="#">B-BK-60112-0109/2026</a>
<b>Ring material:</b>	biały Ral 9003	<b>Environmental Product Declaration (EPD):</b>	<a href="#">869/2025</a>
<b>Ring colour:</b>	biały Ral 9003	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Dimensions (H/W/T/S) [mm]:</b>	595/595/65	<b>ISO Certificates:</b>	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
<b>Mounting dimensions [mm]:</b>	585/585	<b>Plik LDT:</b>	<a href="#">Download</a>
<b>Impact resistance:</b>	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



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