

# LUMEDIC 595X595MM SM 6050LM RA80 3000K GLASS/OPAL/PRM LNS IP65 I CL. AW3H W IK09 R 47W

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	520877
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	47
<b>Luminous flux [lm]*:</b>	6050
<b>Colour temperature [K]:</b>	3000
<b>Color rendering index (Ra) &gt;:</b>	80
<b>Energy efficiency class:</b>	E
<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>	520877	<b>Mounting dimensions [mm]:</b>	585/585
<b>EAN:</b>	5905963520877	<b>Impact resistance:</b>	IK09
<b>Light source:</b>	LED module	<b>Ingress protection:</b>	IP65
<b>Rated power of the luminaire [W]:</b>	47	<b>Mounting version:</b>	recessed
<b>Supply voltage [V]:</b>	220 - 240	<b>Working temperature [°C]:</b>	from -20 to +35
<b>Frequency [Hz]:</b>	0/50/60	<b>Number on the palette [pcs]:</b>	16
<b>Luminous flux [lm]:</b>	6050	<b>Net weight [kg]:</b>	11.600
<b>Emergency luminous flux [lm]*:</b>	270	<b>Charging time [h:min]:</b>	16
<b>Luminous efficacy [lm/W]:</b>	129	<b>Battery life [h:min]:</b>	3
<b>Energy efficiency class:</b>	E	<b>Battery:</b>	Li-Ion
<b>Electrical protection class:</b>	I	<b>Battery capacity [mAh]:</b>	5000
<b>Colour temperature [K]:</b>	3000	<b>Emergency lighting [h]:</b>	3
<b>Color rendering index (Ra) &gt;:</b>	80	<b>Autotest:</b>	yes
<b>Power factor:</b>	0.95	<b>Operating mode:</b>	yes
<b>Surge protection [kV]:</b>	1	<b>Photobiological safety:</b>	RG0 - exempt (no photobiological hazard)
<b>Diffuser material:</b>	szyba hartowana	<b>Warranty [years]:</b>	5
<b>Diffuser type:</b>	Glass/Opal/PRM	<b>CE certificate:</b>	<a href="#">64/2026</a>
<b>Optics:</b>	PRM	<b>ENEC Certificate:</b>	<a href="#">0463/ENEC/25</a>
<b>Material of the body:</b>	powder coated steel	<b>PZH certificate:</b>	<a href="#">B-BK-60112-0109/2026</a>
<b>Colour of the body:</b>	biały Ral 9003	<b>Environmental Product Declaration (EPD):</b>	<a href="#">869/2025</a>
<b>Ring material:</b>	biały Ral 9003	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Ring colour:</b>	biały Ral 9003	<b>ISO Certificates:</b>	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
<b>Dimensions (H/W/T/S) [mm]:</b>	595/595/65	<b>Plik LDT:</b>	<a href="#">Download</a>

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: 64/2026