

# LUMEDIC 595X595MM SW 6800LM RA80 4000K GLASS/OPAL MB IP65/IP50 I CL. DALI W IK09 R 49W

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	783104
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	49
<b>Luminous flux [lm]*:</b>	6800
<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 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 SW R version is designed for installation in reinforced ceilings.

## APPLICATION

- laboratories (microbiological, pharmaceutical, chemical),
- hospitals (operating theatres, intensive care units, diagnostic laboratories),
- food and pharmaceutical industry,
- cleanrooms in electronics and semiconductor manufacturing.

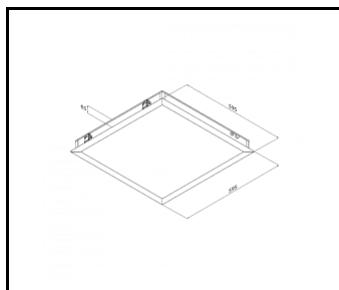
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## TECHNICAL PARAMETERS TABLE

<b>Index:</b>	783104	<b>Ring material:</b>	biały Ral 9003
<b>EAN:</b>	5905963783104	<b>Ring colour:</b>	biały Ral 9003
<b>Light source:</b>	LED module	<b>Dimensions (H/W/T/S) [mm]:</b>	595/595/65
<b>Rated power of the luminaire [W]:</b>	49	<b>Mounting dimensions [mm]:</b>	585/585
<b>Supply voltage [V]:</b>	220 - 240	<b>Impact resistance:</b>	IK09
<b>Frequency [Hz]:</b>	0/50/60	<b>Ingress protection:</b>	IP65
<b>Luminous flux [lm]:</b>	6800	<b>Mounting version:</b>	recessed
<b>Luminous efficacy [lm/W]:</b>	139	<b>Working temperature [°C]:</b>	from -20 to +35
<b>Energy efficiency class:</b>	D	<b>LED lifespan L70B50 [h]:</b>	150000
<b>Electrical protection class:</b>	I	<b>LED lifespan L80B20 [h]:</b>	100000
<b>Colour temperature [K]:</b>	4000	<b>LED lifespan L90B10 [h]:</b>	50000
<b>Color rendering index (Ra) &gt;:</b>	80	<b>DIMM DALI:</b>	yes
<b>Power factor:</b>	0.99	<b>Number on the palette [pcs]:</b>	16
<b>Surge protection [kV]:</b>	1	<b>Net weight [kg]:</b>	11
<b>Diffuser material:</b>	szyba hartowana	<b>Photobiological safety:</b>	RG0 - exempt (no photobiological hazard)
<b>Diffuser type:</b>	Glass/Opal	<b>Warranty [years]:</b>	5
<b>Optics material:</b>	PC	<b>CE certificate:</b>	<a href="#">123/2025</a>
<b>Optics:</b>	OPAL	<b>ENEC Certificate:</b>	<a href="#">0463/ENEC/25</a>
<b>Material of the body:</b>	powder coated steel	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Colour of the body:</b>	biały Ral 9003	<b>Plik LDT:</b>	<a href="#">Download</a>

## TECHNICAL PICTURES



Card creation date: 05 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: 123/2025