

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

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	505645
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Luminous flux [lm]*:</b>	12100
<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
<b>Diffuser type:</b>	Glass/PRM
<b>Mounting version:</b>	recessed

## CHARACTERISTICS

Lumedic SM 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. The design ensures ease of cleaning and high mechanical and environmental resistance. A robust steel housing with an IP65 rating on both the room side and the technical space side ensures complete airtightness in a sterile environment, whilst allowing free airflow above the suspended ceiling.

The luminaire front is made of aluminium and 4 mm thick tempered glass, resistant to impact (IK09 class) and chemical agents. The modular diffuser system (Glass / Opal / PRM) allows for the selection of the appropriate optical characteristics depending on the application requirements — from uniform, diffused light to precise directional light distribution. The SM version is designed for installation in modular ceilings.

## APPLICATION

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>	505645	<b>Ring colour:</b>	biały Ral 9003
<b>EAN:</b>	5905963505645	<b>Dimensions (H/W/T/S) [mm]:</b>	595/595/65
<b>Light source:</b>	LED module	<b>Mounting dimensions [mm]:</b>	600/600
<b>Rated power of the luminaire [W]:</b>	83	<b>Impact resistance:</b>	IK09
<b>Supply voltage [V]:</b>	220 - 240	<b>Ingress protection:</b>	IP65
<b>Frequency [Hz]:</b>	0/50/60	<b>Mounting version:</b>	recessed
<b>Luminous flux [lm]:</b>	12100	<b>Working temperature [°C]:</b>	from -20 to +35
<b>Luminous efficacy [lm/W]:</b>	146	<b>Number on the palette [pcs]:</b>	16
<b>Energy efficiency class:</b>	E	<b>Net weight [kg]:</b>	7.600
<b>Electrical protection class:</b>	I	<b>Gross weight [kg]:</b>	8.200
<b>Colour temperature [K]:</b>	4000	<b>Photobiological safety:</b>	RG0 - exempt (no photobiological hazard)
<b>Color rendering index (Ra) &gt;:</b>	80	<b>Warranty [years]:</b>	5
<b>Power factor:</b>	0.95	<b>CE certificate:</b>	<a href="#">55/2026</a>
<b>Diffuser material:</b>	szyba hartowana	<b>ENEC Certificate:</b>	<a href="#">0463/ENEC/25</a>
<b>Diffuser type:</b>	Glass/PRM	<b>Environmental Product Declaration (EPD):</b>	<a href="#">869/2025</a>
<b>Optics material:</b>	PS	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Optics:</b>	PRM	<b>ISO Certificates:</b>	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
<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>Plik LDT:</b>	<a href="#">Download</a>
<b>Ring material:</b>	aluminium		

Card creation date: 28 April 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: 55/2026