

LUMEDIC 595X595MM SW 10300LM RA80 3000K GLASS/OPAL MB IP65/IP50 I CL. DALI W IK09 R 86W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	783166
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	86
Luminous flux [lm]*:	10300
Colour temperature [K]:	3000
Color rendering index (Ra) >:	80
Energy efficiency class:	E
Material of the body:	powder coated steel
Diffuser material:	szyba hartowana

CHARACTERISTICS

Lumedic SW 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 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

Index:	783166	Dimensions (H/W/T/S) [mm]:	595/595/65
EAN:	5905963783166	Mounting dimensions [mm]:	585/585
Light source:	LED module	Impact resistance:	IK09
Rated power of the luminaire [W]:	86	Ingress protection:	IP65
Supply voltage [V]:	220 - 240	Mounting version:	recessed
Frequency [Hz]:	0/50/60	Working temperature [°C]:	from -20 to +35
Luminous flux [lm]:	10300	LED lifespan L70B50 [h]:	150000
Luminous efficacy [lm/W]:	120	LED lifespan L80B10 [h]:	100000
Energy efficiency class:	E	LED lifespan L90B10 [h]:	50000
Electrical protection class:	I	DIMM DALI:	yes
Colour temperature [K]:	3000	Number on the palette [pcs]:	16
Color rendering index (Ra) >:	80	Net weight [kg]:	11
Power factor:	0.97	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Surge protection [kV]:	1	Warranty [years]:	5
Diffuser material:	szyba hartowana	CE certificate:	89/2026
Diffuser type:	Glass/Opal	ENEC Certificate:	0463/ENEC/25
Optics material:	PC	PZH certificate:	B-BK-60112-0109/2026
Optics:	OPAL	Environmental Product Declaration (EPD):	869/2025
Material of the body:	powder coated steel	Manual:	Download PDF
Colour of the body:	biały Ral 9003	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
Ring material:	biały Ral 9003	Plik LDT:	Download
Ring colour:	biały Ral 9003		

Card creation date: 10 June 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: 89/2026