

LUMEDIC 595X595MM SW 5800LM RA80 4000K GLASS/OPAL/PRM MB IP65/50 I CL. W IK09 R 49W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	783005
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	49
Luminous flux [lm]*:	5800
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
Energy efficiency class:	E
Material of the body:	powder coated steel
Diffuser material:	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

Index:	783005	Ring material:	biały Ral 9003
EAN:	5905963783005	Ring colour:	biały Ral 9003
Light source:	LED module	Dimensions (H/W/T/S) [mm]:	595/595/65
Rated power of the luminaire [W]:	49	Mounting dimensions [mm]:	585/585
Supply voltage [V]:	220 - 240	Impact resistance:	IK09
Frequency [Hz]:	0/50/60	Ingress protection:	IP65
Luminous flux [lm]:	5800	Mounting version:	recessed
Luminous efficacy [lm/W]:	118	Working temperature [°C]:	from -20 to +35
Energy efficiency class:	E	LED lifespan L70B50 [h]:	150000
Electrical protection class:	I	LED lifespan L80B10 [h]:	100000
Colour temperature [K]:	4000	LED lifespan L90B10 [h]:	50000
Color rendering index (Ra) >:	80	Number on the palette [pcs]:	16
SDCM:	3	Net weight [kg]:	11
Power factor:	0.95	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Surge protection [kV]:	1	Warranty [years]:	5
Diffuser material:	szyba hartowana	CE certificate:	36/2026
Diffuser type:	Glass/Opal/PRM	ENEC Certificate:	0463/ENEC/25
Optics material:	PS	Environmental Product Declaration (EPD):	869/2025
Optics:	PRM	Manual:	Download PDF
Material of the body:	powder coated steel	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
Colour of the body:	biały Ral 9003	Plik LDT:	Download

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: 36/2026