LUMEDIC 595X595MM SM 12425LM RA80 3000K GLASS/PRM IP65 I CL. DALI W IK09 86W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	505676
Ingress protection:	IP65
Impact resistance:	IK09
Luminous flux [lm]*:	12425
Color rendering index (Ra) >:	80
Energy efficiency class:	C
Material of the body:	powder coated steel
Diffuser material:	tempered glass
Diffuser type:	Glass/PRM
Mounting version:	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

- 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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DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	505676
EAN:	5905963505676
Light source:	LED module
Rated power of the luminaire [W]:	86
Supply voltage [V]:	220 - 240
Frequency [Hz]:	0/50/60
Luminous flux [lm]:	12425
Luminous efficacy [lm/W]:	144
Energy efficiency class:	C
Electrical protection class:	I
Colour temperature [K]:	3000
Color rendering index (Ra) >:	80
Power factor:	0.97
Surge protection [kV]:	1
Diffuser material:	tempered glass
Diffuser type:	Glass/PRM
Optics material:	PS
Optics:	PRM
Material of the body:	powder coated steel
Colour of the body:	white (RAL9003)
Ring material:	aluminium
Ring colour:	white (RAL9003)
Dimensions (H/W/T/S) [mm]:	595/595/65
Mounting dimensions [mm]:	600/600

Impact resistance:	IK09
Ingress protection:	IP65
Mounting version:	recessed
Working temperature [°C]:	from -20 to +35
LED lifespan L70B50 [h]:	150000
LED lifespan L80B10 [h]:	100000
LED lifespan L90B10 [h]:	50000
DIMM DALI:	yes
Wire type:	5x1,5 H07RN-F
Cable length [m]:	0.50
Number on the palette [pcs]:	16
Net weight [kg]:	7.900
Gross weight [kg]:	8.500
Photobiological safety:	RG0 - exempt (no photobiological hazard)
Warranty [years]:	5
CE certificate:	145/2026
ENEC Certificate:	0463/ENEC/25
PZH certificate:	B-BK-60112-0109/2026
Environmental Product Declaration (EPD):	869/2025
Manual:	Download PDF
ISO Certificates:	9001:2015. 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
SDCM:	3
Plik LDT:	Download

Card creation date: 04 September 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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 145/2026

LENA LIGHTING

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