

LUMEDIC 595X1195MM SM 12100LM RA80 4000K GLASS/PRM IP65 I CL. AW3H W IK09 R 83W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	495663
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	83
Luminous flux [lm]*:	12512
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
Energy efficiency class:	D
Material of the body:	powder coated steel
Diffuser material:	szyba hartowana

CHARACTERISTICS

Lumedic SM 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 SM R 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.

LUMEDIC 595X1195MM SM 12100LM RA80 4000K GLASS/PRM IP65 I CL. AW3H W IK09 R 83W

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	495663	Ingress protection:	IP65
EAN:	5905963495663	Mounting version:	recessed
Light source:	LED module	Working temperature [°C]:	from -20 to +35
Rated power of the luminaire [W]:	83	Number on the palette [pcs]:	8
Supply voltage [V]:	220 - 240	Net weight [kg]:	19.800
Frequency [Hz]:	0/50/60	LED lifespan L70B50 [h]:	150000
Luminous flux [lm]:	12512	LED lifespan L80B10 [h]:	100000
Luminous efficacy [lm/W]:	146	LED lifespan L90B10 [h]:	50000
Energy efficiency class:	D	Charging time [h:min]:	16
Electrical protection class:	I	Battery life [h:min]:	3
Colour temperature [K]:	4000	Battery:	Li-Ion
Color rendering index (Ra) >:	80	Battery capacity [mAh]:	5000
Power factor:	0.95	Emergency lighting [h]:	3
Surge protection [kV]:	2	Autotest:	yes
Diffuser material:	szyba hartowana	Operating mode:	yes
Diffuser type:	Glass/PRM	Warranty [years]:	2
Optics:	PRM	CE certificate:	88/2026
Material of the body:	powder coated steel	ENEC Certificate:	0463/ENEC/25
Colour of the body:	biały Ral 9003	PZH certificate:	B-BK-60112-0109/2026
Ring material:	biały Ral 9003	Environmental Product Declaration (EPD):	869/2025
Ring colour:	biały Ral 9003	Manual:	Download PDF
Dimensions (H/W/T/S) [mm]:	595/1195/65	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015)
Mounting dimensions [mm]:	600/1200	Plik LDT:	Download
Impact resistance:	IK09		

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: 88/2026