# LUMEDIC 595X595MM SM 9900LM RA80 3000K GLASS/OPAL LNS IP65 I CL. EM3H W IK09 R 86W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 520938 |
| **Ingress protection:** | IP65 |
| **Impact resistance:** | IK09 |
| **Rated power of the luminaire [W]*:** | 86 |
| **Luminous flux [lm]*:** | 9900 |
| **Colour temperature [K]:** | 3000 |
| **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.

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## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 520938 |
| **EAN:** | 5905963520938 |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 86 |
| **Supply voltage [V]:** | 220 - 240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 9900 |
| **Emergency luminous flux [lm]*:** | 270 |
| **Luminous efficacy [lm/W]:** | 115 |
| **Energy efficiency class:** | D |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 3000 |
| **Color rendering index (Ra) >:** | 80 |
| **Power factor:** | 0.95 |
| **Surge protection [kV]:** | 2 |
| **Diffuser material:** | szyba hartowana |
| **Diffuser type:** | Glass/Opal |
| **Optics material:** | PS |
| **Optics:** | OPAL |
| **Material of the body:** | powder coated steel |
| **Colour of the body:** | biały (RAL 9003) |
| **Ring material:** | aluminium |
| **Ring colour:** | white (RAL 9003) |
| **Dimensions (H/W/T/S) [mm]:** | 595/595/65 |
| **Mounting dimensions [mm]:** | 585/585 |
| **Impact resistance:** | IK09 |

| | |
|---|---|
| **Ingress protection:** | IP65 |
| **Mounting version:** | recessed |
| **Working temperature [°C]:** | from -20 to +35 |
| **Number on the palette [pcs]:** | 16 |
| **Net weight [kg]:** | 11.600 |
| **LED lifespan L70B50 [h]:** | 150000 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **LED lifespan L90B10 [h]:** | 50000 |
| **Charging time [h:min]:** | 16 |
| **Battery life [h:min]:** | 3 |
| **Battery:** | Li-Ion |
| **Battery capacity [mAh]:** | 5000 |
| **Emergency lighting [h]:** | 3 |
| **Autotest:** | yes |
| **Operating mode:** | yes |
| **Photobiological safety:** | RG0 - exempt (no photobiological hazard) |
| **Warranty [years]:** | 2 |
| **CE certificate:** | 144/2026 |
| **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: 144/2026

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