# LUMEDIC 595X595MM SM 8200LM RA80 4000K GLASS/PRM IP65 I CL. DALI W IK09 50W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 505614 |
| **Ingress protection:** | IP65 |
| **Impact resistance:** | IK09 |
| **Luminous flux [lm]*:** | 8200 |
| **Color rendering index (Ra) >:** | 80 |
| **Energy efficiency class:** | B |
| **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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## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 505614 |
| **EAN:** | 5905963505614 |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 50 |
| **Supply voltage [V]:** | 220 - 240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 8200 |
| **Luminous efficacy [lm/W]:** | 164 |
| **Energy efficiency class:** | B |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **Power factor:** | 0.99 |
| **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]:** | 7.800 |
| **Gross weight [kg]:** | 8.400 |
| **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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