

# LUMEDIC 595X595MM SW 7100LM RA80 4000K GLASS/PRM MB IP65/IP50 I CL. DALI W IK09 R 49W

DETAILED CARD



## TECHNICAL PARAMETERS

|   |                     |
|---|---------------------|
| <b>Index:</b>                             | 783180              |
| <b>Ingress protection:</b>                | IP65                |
| <b>Impact resistance:</b>                 | IK09                |
| <b>Rated power of the luminaire [W]*:</b> | 49                  |
| <b>Luminous flux [lm]*:</b>               | 7100                |
| <b>Colour temperature [K]:</b>            | 4000                |
| <b>Color rendering index (Ra) &gt;:</b>   | 80                  |
| <b>Energy efficiency class:</b>           | D                   |
| <b>Material of the body:</b>              | powder coated steel |
| <b>Diffuser material:</b>                 | 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

|  |                     |   |   |
|--|---------------------|---|---|
| <b>Index:</b>                            | 783180              | <b>Dimensions (H/W/T/S) [mm]:</b>               | 595/595/65  |
| <b>EAN:</b>                              | 5905963783180       | <b>Mounting dimensions [mm]:</b>                | 585/585   |
| <b>Light source:</b>                     | LED module          | <b>Impact resistance:</b>                       | IK09  |
| <b>Rated power of the luminaire [W]:</b> | 49                  | <b>Ingress protection:</b>                      | IP65  |
| <b>Supply voltage [V]:</b>               | 220 - 240           | <b>Mounting version:</b>                        | recessed  |
| <b>Frequency [Hz]:</b>                   | 0/50/60             | <b>Working temperature [°C]:</b>                | from -20 to +35   |
| <b>Luminous flux [lm]:</b>               | 7100                | <b>LED lifespan L70B50 [h]:</b>                 | 150000  |
| <b>Luminous efficacy [lm/W]:</b>         | 145                 | <b>LED lifespan L80B10 [h]:</b>                 | 100000  |
| <b>Energy efficiency class:</b>          | D                   | <b>LED lifespan L90B10 [h]:</b>                 | 50000   |
| <b>Electrical protection class:</b>      | I                   | <b>DIMM DALI:</b>                               | yes   |
| <b>Colour temperature [K]:</b>           | 4000                | <b>Number on the palette [pcs]:</b>             | 16  |
| <b>Color rendering index (Ra) &gt;:</b>  | 80                  | <b>Net weight [kg]:</b>                         | 11  |
| <b>Power factor:</b>                     | 0.99                | <b>Photobiological safety:</b>                  | RG0 - exempt (no photobiological hazard)                                    |
| <b>Surge protection [kV]:</b>            | 1                   | <b>Warranty [years]:</b>                        | 5   |
| <b>Diffuser material:</b>                | szyba hartowana     | <b>CE certificate:</b>                          | <a href="#">36/2026</a>   |
| <b>Diffuser type:</b>                    | Glass/PRM           | <b>ENEC Certificate:</b>                        | <a href="#">0463/ENEC/25</a>  |
| <b>Optics material:</b>                  | PS                  | <b>PZH certificate:</b>                         | <a href="#">B-BK-60112-0109/2026</a>  |
| <b>Optics:</b>                           | PRM                 | <b>Environmental Product Declaration (EPD):</b> | <a href="#">869/2025</a>  |
| <b>Material of the body:</b>             | powder coated steel | <b>Manual:</b>                                  | <a href="#">Download PDF</a>  |
| <b>Colour of the body:</b>               | biały Ral 9003      | <b>ISO Certificates:</b>                        | 9001:2015, 14001:2015, 45001:2018, 50001:2018, ISO 3 - 9 (ISO 14644-1:2015) |
| <b>Ring material:</b>                    | biały Ral 9003      | <b>Plik LDT:</b>                                | <a href="#">Download</a>  |
| <b>Ring colour:</b>                      | biały Ral 9003      |   |   |

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