

# STRADO LED M 12925LM 740 RM7 IP66 II CL. DALI (89W)

DETAILED CARD



## TECHNICAL PARAMETERS

|   |                         |
|---|-------------------------|
| <b>Index:</b>                             | 411670                  |
| <b>Ingress protection:</b>                | IP66                    |
| <b>Impact resistance:</b>                 | IK10                    |
| <b>Rated power of the luminaire [W]*:</b> | 89                      |
| <b>Luminous flux [lm]*:</b>               | 12925                   |
| <b>Colour temperature [K]:</b>            | 4000                    |
| <b>Color rendering index (Ra) &gt;:</b>   | 70                      |
| <b>Electrical protection class:</b>       | II                      |
| <b>Optics:</b>                            | RM7                     |
| <b>Control:</b>                           | 5-stage power reduction |

## CHARACTERISTICS

STRADO LED is a new family of LED road luminaires. It uses directional multi-lens matrices, made of PMMA, with each lens having the same optics, ensuring that the luminous characteristics remain constant over time. Components from renowned manufacturers and state-of-the-art LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 165 lm/W. The upper part of the body has a separate electrical cavity in the body, which allows for efficient cooling of all power supply components, independently of the light module. The lower surface of the luminaire is finished entirely with toughened glass, providing high aesthetic qualities. The luminaire has an outgoing cable with a quick-release connector, which allows fast, convenient and reliable installation without opening the luminaire. Using standard tools, it is possible to service the luminaire, allowing any component to be replaced without soldering. The body and fixture are made of die-cast aluminium, powder-coated grey, and have a very high IP66 ingress protection rating and IK10 mechanical impact resistance. Standard features: fully programmable DALI driver; available functions for maintaining constant luminous flux during CLO and autonomous 5-step power reduction; NTC protection against accidental overheating of the luminaire; filter to prevent condensation; outgoing cable with quick-connector. Additional options: NEMA, ZHAGA connectors on the top of the luminaire; interfacing with control systems; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; painting in any RAL colour. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga D4i.

## APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: highways, expressways, national, provincial, county, municipal, city, neighborhood, area lighting. Optics are also available to illuminate: pedestrian crossings, sidewalks and bicycle paths.

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## TECHNICAL PARAMETERS TABLE

|  |                 |   |   |
|--|-----------------|---|---|
| <b>Index:</b>                            | 411670          | <b>Material of the body:</b>                    | powder coated aluminium   |
| <b>EAN:</b>                              | 5905963411670   | <b>Colour of the body:</b>                      | gray RAL 9006   |
| <b>ETIM class:</b>                       | EC000062        | <b>Dimensions (H/W/T/S) [mm]:</b>               | 505/265/60  |
| <b>Category type:</b>                    | street lighting | <b>Mounting dimensions [mm]:</b>                | ø48-60  |
| <b>Version:</b>                          | M               | <b>Impact resistance:</b>                       | IK10  |
| <b>Light source:</b>                     | LED module      | <b>Ingress protection:</b>                      | IP66  |
| <b>Rated power of the luminaire [W]:</b> | 89              | <b>Mounting version:</b>                        | Top, on pole / Side, on boom  |
| <b>Supply voltage [V]:</b>               | 220 - 240       | <b>Tilt angle adjustment [°]:</b>               | -20 to +20  |
| <b>Frequency [Hz]:</b>                   | 50 - 60         | <b>Lateral surface (SCx) [m2]:</b>              | 0.021   |
| <b>Luminous flux [lm]:</b>               | 12925           | <b>Working temperature [°C]:</b>                | from -40 to +50   |
| <b>Luminous efficacy [lm/W]:</b>         | 145             | <b>LED lifespan L95B10 [h]:</b>                 | 100000  |
| <b>Energy efficiency class:</b>          | C               | <b>DIMM DALI:</b>                               | yes   |
| <b>Electrical protection class:</b>      | II              | <b>Control:</b>                                 | 5-stage power reduction   |
| <b>Colour temperature [K]:</b>           | 4000            | <b>Protection type:</b>                         | NTC + ESD   |
| <b>Color rendering index (Ra) &gt;:</b>  | 70              | <b>Net weight [kg]:</b>                         | 4.980   |
| <b>SDCM:</b>                             | 5               | <b>ULOR:</b>                                    | 0%  |
| <b>Power factor:</b>                     | 0.98            | <b>Photobiological safety:</b>                  | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| <b>Surge protection [kV]:</b>            | 10              | <b>Technical Warranty:</b>                      | 5 with the possibility of extension to 10                                   |
| <b>Diffuser material:</b>                | tempered glass  | <b>ENEC Certificate:</b>                        | <a href="#">0390/ENEC/24; 0133/ENEC+/24</a>                                 |
| <b>Diffuser type:</b>                    | transparent     | <b>CE certificate:</b>                          | <a href="#">86/2023</a>   |
| <b>Optics material:</b>                  | PMMA            | <b>Zhaga-D4i:</b>                               | <a href="#">ZG415027092023</a>  |
| <b>Optics:</b>                           | RM7             | <b>Environmental Product Declaration (EPD):</b> | <a href="#">682/2024</a>  |
| <b>Exchangeable source:</b>              | yes             | <b>Manual:</b>                                  | <a href="#">Download PDF</a>  |

## LIGHT CURVES



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## ACCESSORIES AVAILABLE

| index  | Name                                      |
|--------|---|
| 314049 | wall holder (galvanized)                  |
| 314056 | wall holder (grey)                        |
| 842108 | Backshield T (back) Strado LED M RAL9006  |
| 842115 | Backshield P (right) Strado LED M RAL9006 |
| 842122 | Backshield L (left) Strado LED M RAL9006  |



wall holder (galvanized) (314049)



wall holder (grey) (314056)

Card creation date: 21 November 2024

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: 86/2023