# STRADO LED S 1850LM 740 RM7 IP66 II CL. DALI (12W)

DETAILED CARD




## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 408021 |
| **Ingress protection:** | IP66 |
| **Impact resistance:** | IK10 |
| **Rated power of the luminaire [W]*:** | 12 |
| **Luminous flux [lm]*:** | 1850 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 70 |
| **Electrical protection class:** | II |
| **Optics:** | RM7 |
| **Control:** | 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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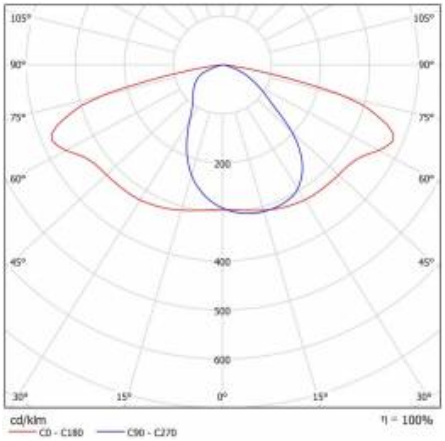
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 408021 |
| **EAN:** | 5905963408021 |
| **ETIM class:** | EC000062 |
| **Category type:** | street lighting |
| **Category of application:** | Street lighting |
| **Version:** | S |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 12 |
| **Supply voltage [V]:** | 220 - 240 |
| **Frequency [Hz]:** | 50 - 60 |
| **Luminous flux [lm]:** | 1850 |
| **Luminous efficacy [lm/W]:** | 154 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 70 |
| **SDCM:** | 5 |
| **Surge protection [kV]:** | 10 |
| **Diffuser material:** | tempered glass |
| **Diffuser type:** | transparent |
| **Optics material:** | PMMA |
| **Optics:** | RM7 |
| **Exchangeable source:** | yes |
| **Material of the body:** | powder coated aluminium |
| **Colour of the body:** | gray RAL 9006 |

| | |
|---|---|
| **Dimensions (H/W/T/S) [mm]:** | 385/265/60 |
| **Mounting dimensions [mm]:** | ø48-60 |
| **Impact resistance:** | IK10 |
| **Ingress protection:** | IP66 |
| **Mounting version:** | Top, on pole / Side, on boom |
| **Tilt angle adjustment [°]:** | -20 to +20 |
| **Lateral surface (SCx) [m2]:** | 0.018 |
| **Working temperature [°C]:** | from -40 to +50 |
| **LED lifespan L95B10 [h]:** | 100000 |
| **DIMM DALI:** | yes |
| **Control:** | 5-stage power reduction |
| **Protection type:** | NTC + ESD |
| **Net weight [kg]:** | 4.400 |
| **Wire type:** | H07RN-F 5x1,5 |
| **Cable length [m]:** | 0.70 |
| **ULOR:** | 0% |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Technical Warranty:** | 5 with the possibility of extension to 10 |
| **CE certificate:** | 85/2023 |
| **ENEC Certificate:** | 0390/ENEC/24; 0133/ENEC+/24 |
| **ENEC Plus:** | 133/ENEC+/24 |
| **Zhaga-D4i:** | ZG415127092023 |
| **Environmental Product Declaration (EPD):** | 682/2024 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |

## LIGHT CURVES

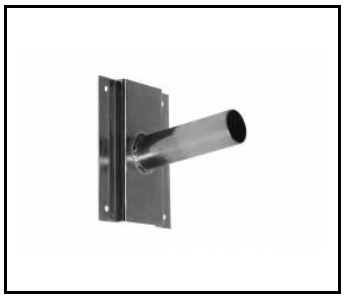


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## ACCESSORIES AVAILABLE

| index | Name |
|---|---|
| 314049 | wall holder (galvanized) |
| 314056 | wall holder (grey) |
| 842139 | Backshield T (back) Strado LED S RAL9006 |
| 842146 | Backshield P (right) Strado LED S RAL9006 |
| 842153 | Backshield L (left) Strado LED S RAL9006 |
| WSEL431 | HAI HD05R RC Programming Remote Control for HD0406VRH IoT |



wall holder (galvanized) (314049)



wall holder (grey) (314056)



HAI HD05R RC Programming Remote Control for HD0406VRH IoT (WSEL431)



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: 85/2023

LENA LIGHTING

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