# TIARA LED M PRO 12050LM 730 RW2 IP66 II CL. DALI (85W)

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 922534 |
| **Ingress protection:** | IP66 |
| **Impact resistance:** | IK09 |
| **Rated power of the luminaire [W]*:** | 85 |
| **Luminous flux [lm]*:** | 12050 |
| **Colour temperature [K]:** | 3000 |
| **Color rendering index (Ra) >:** | 70 |
| **Electrical protection class:** | II |
| **Optics:** | RW2 |

## CHARACTERISTICS

TIARA LED PRO a family of LED road luminaires based on a proven form factor. 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 new LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 170 lm/W. The two-chamber construction of the luminaire maintains the tightness of the optical chamber during assembly work and allows tool-free access to the electrical equipment chamber. The upper part of the luminaire, has dedicated hinges and a safety cord. Using standard tools, quick and convenient servicing is possible, allowing the replacement of any component without having to dismantle the entire luminaire and make soldered connections. The body and handle are made of die-cast aluminium, powder-coated grey, and have a very high IP66 protection rating and IK09 mechanical impact resistance. Standard features: ergonomic light module suspension system; fully programmable DALI driver; CLO constant lumen maintenance and autonomous 5-stage power reduction functions available; NTC overheating protection; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnector to disconnect voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; 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: motorways, motorways, national roads, voivodeships, districts, communes, municipalities, housing estates, area lighting. Optics are also available to illuminate: pedestrian crossings, pavements and cycle paths.

# TIARA LED M PRO 12050LM 730 RW2 IP66 II CL. DALI (85W)

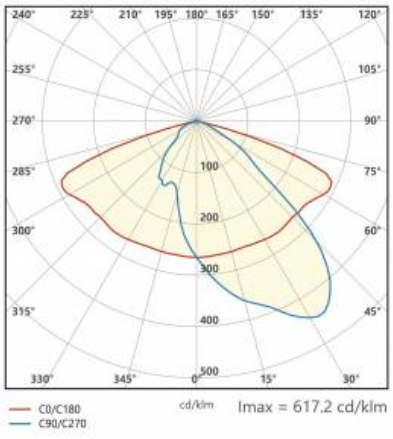
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 922534 |
| **EAN:** | 5905963922534 |
| **ETIM class:** | EC000062 |
| **Category type:** | street lighting |
| **Version:** | M |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 85 |
| **Supply voltage [V]:** | 220 - 240 |
| **Frequency [Hz]:** | 50 - 60 |
| **Luminous flux [lm]:** | 12050 |
| **Luminous efficacy [lm/W]:** | 142 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 3000 |
| **Color rendering index (Ra) >:** | 70 |
| **SDCM:** | 5 |
| **Power factor:** | 0.98 |
| **Surge protection [kV]:** | 10 |
| **Diffuser material:** | tempered glass |
| **Diffuser type:** | transparent |
| **Optics material:** | PMMA |
| **Optics:** | RW2 |
| **Exchangeable source:** | yes |

| | |
|---|---|
| **Material of the body:** | powder coated aluminium |
| **Colour of the body:** | grey |
| **Dimensions (H/W/T/S) [mm]:** | 665/262/122 |
| **Mounting dimensions [mm]:** | ø40-60 |
| **Impact resistance:** | IK09 |
| **Ingress protection:** | IP66 |
| **Mounting version:** | Top, on pole / Side, on boom |
| **Tilt angle adjustment [°]:** | -5 to +15 (peak); -15 to +5 (side) |
| **Lateral surface (SCx) [m2]:** | 0.028 |
| **Working temperature [°C]:** | from -40 to +50 |
| **DIMM DALI:** | yes |
| **Control:** | Yes + 5-stage power reduction |
| **Protection type:** | NTC + ESD |
| **Net weight [kg]:** | 5.200 |
| **ULOR:** | 0% |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Technical Warranty:** | 5 with the possibility of extension to 10 |
| **ENEC Certificate:** | 0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1 |
| **CE certificate:** | 94/2023 |
| **Zhaga-D4i:** | ZG407320042023 |
| **Environmental Product Declaration (EPD):** | 682/2024 |
| **Manual:** | Download PDF |
| **ENEC Plus:** | 0120/ENEC+/24/M1/A1 |

## LIGHT CURVES

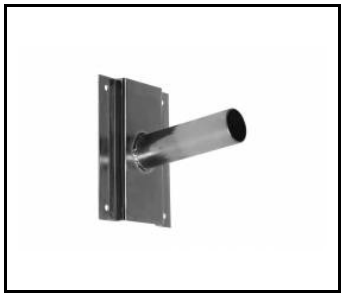


# TIARA LED M PRO 12050LM 730 RW2 IP66 II CL. DALI (85W)

DETAILED CARD

## ACCESSORIES AVAILABLE

| index | Name |
|---|---|
| 314049 | wall holder (galvanized) |
| 314056 | wall holder (grey) |
| UL00184 | mounting grip 74 mm TIARA LED |
| WSEL431 | HAI HD05R RC Programming Remote Control for HD0406VRH IoT |



wall holder (galvanized) (314049)



wall holder (grey) (314056)



mounting grip 74 mm TIARA LED (UL00184)



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

Card creation date: 19 November 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: 94/2023

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl