

# TIARA LED L 18800LM 740 RM3 IP66 I CL. DALI SP10KV (155W)

DETAILED CARD



## TECHNICAL PARAMETERS

|  |                         |
|--|-------------------------|
| <b>Index:</b>  | 955655                  |
| <b>Ingress protection:</b>                             | IP66                    |
| <b>Impact resistance:</b>                              | IK09                    |
| <b>Luminaire rated power <math>P_{min}</math> [W]:</b> | 155                     |
| <b>Luminous flux [lm]*:</b>                            | 18800                   |
| <b>Colour temperature [K]:</b>                         | 4000                    |
| <b>SDCM:</b>   | ≤ 5                     |
| <b>Colour rendering index:</b>                         | > 70                    |
| <b>Electrical protection class:</b>                    | I                       |
| <b>Material of the body:</b>                           | powder coated aluminium |

## CHARACTERISTICS

TIARA LED is a new generation of road luminaires dedicated to LED technology. Designed from scratch, it introduces new solutions to improve light distribution and temperature balance, thus introducing new standards in road lighting. The luminaire uses directional lenticular matrices made of PMMA or PC, thanks to which it is possible to obtain a light distribution meeting the lighting classes defined in the PN-EN 13201: 2007 standard. Components of renowned manufacturers and new LED they have an effect on very high luminous efficiency - close to 130 lm / W. The luminaire uses a solution that integrates the diffuser with the LED module. The body and the handle are made of a pressure cast aluminum. The whole has been powder coated in gray (RAL9006). The luminaire design allows for tool-free access to the electrical equipment compartment. The luminaire is characterized by a very high degree of protection IP66 and resistance to mechanical impacts IK09 (vandal resistance). The fitting has many improvements to facilitate and accelerate assembly: an independent body with an ergonomic suspension system of the light module; handle adjustable in increments: -5° to +15° (peak to pole); -15° to +5° (side to boom). Lamp compatible with modern control systems (additional NEMA and ZHAGA connectors).

Standard equipment: protection against accidental overheating of the NTC fitting; overvoltage protection up to 10kV; fully programmable DALI driver; hardened glass.

## APPLICATION

Streetlight fitting used in open spaces to lighten: streets, local roads, bicycle paths, alleys, pavements, car parks and squares. Installation and mounting: lateral side entry, post-top mounting. Mounting grip integrated with the fitting.

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### TECHNICAL PARAMETERS TABLE

|                                   |                         |                                      |   |
|-----------------------------------|-------------------------|--------------------------------------|---|
| Light source:                     | LED module              | Mounting version:                    | Top, on pole / Side, on boom  |
| Rated power of the luminaire [W]: | 155                     | Working temperature [°C]:            | from -40 to +35   |
| Supply voltage [V]:               | 220 - 240               | Beam angle adjustment [°]:           | -5 to +15 (peak); -15 to +5 (side)  |
| Frequency [Hz]:                   | 50 - 60                 | Lateral surface (SCx) [m2]:          | 0.034   |
| Luminous flux [lm]:               | 18800                   | DIMM DALI:                           | yes   |
| Luminous efficacy [lm/W]:         | 121                     | Protection type:                     | NTC   |
| Energy efficiency class:          | D                       | Net weight [kg]:                     | 6.500   |
| Electrical protection class:      | I                       | Index:                               | 955655  |
| Colour temperature [K]:           | 4000                    | EAN:                                 | 5905963955655   |
| Colour rendering index:           | > 70                    | Category type:                       | street lighting   |
| SDCM:                             | ≤ 5                     | Version:                             | L   |
| Power factor:                     | 0.99                    | Luminaire rated power $P_{min}$ [W]: | 155   |
| Surge protection [kV]:            | 10                      | AC voltage range [V]:                | 198 - 264   |
| Diffuser material:                | toughened glass         | DC voltage range [V]:                | 186 - 250   |
| Diffuser type:                    | transparent             | Photobiological safety:              | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| Optics material:                  | PMMA                    | LED lifespan L90B10 [h]:             | 100000  |
| Optics:                           | RM3                     | ETIM class:                          | EC000062  |
| Material of the body:             | powder coated aluminium | ULOR:                                | 0%  |
| Colour of the body:               | grey                    | CE certificate:                      | <a href="#">66/2020</a>   |
| Dimensions (H/W/T/S) [mm]:        | 870/122/262             | ENEC Certificate:                    | <a href="#">0064/ENEC+/21</a>   |
| Mounting dimensions [mm]:         | ø60                     | Warranty [years]:                    | 10  |
| Impact resistance:                | IK09                    | Manual:                              | <a href="#">Download PDF</a>  |
| Ingress protection:               | IP66                    |                                      |   |

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## ACCESSORIES AVAILABLE

| index    | Name                              |
|----------|-----------------------------------|
| 314049   | wall holder (galvanized)          |
| 314056   | wall holder (grey)                |
| UL00184  | mounting grip 78 mm TIARA LED     |
| 830UL109 | Module CLUE CITY GATEWAY IP67 GSM |



wall holder (galvanized) (314049)



wall holder (grey) (314056)



mounting grip 78 mm TIARA LED (UL00184)