### TIARA LED L PRO 38600LM 740 RM7HE IP66 II CL. DALI (230W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

| Index:                             | 434938 |
|------------------------------------|--------|
| Ingress protection:                | IP66   |
| Impact resistance:                 | IK09   |
| Rated power of the luminaire [W]*: | 230    |
| Luminous flux [lm]*:               | 38600  |
| Colour temperature [K]:            | 4000   |
| Colour rendering index:            | 70     |
| Electrical protection class:       | II     |
| Optics:                            | RM7HE  |
|                                    |        |

### **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 diecast aluminium, powder-coated grey, and have a very high IP66 protection rating and IKO9 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.



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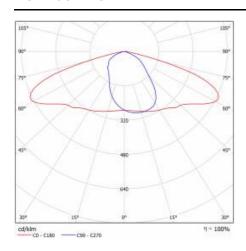
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

| EAN: 5905963434938  ETIM class: EC000062  Category type: street lighting  Product line: HE  Version: L  Light source: LED module  Rated power of the luminaire [W]: 230  Supply voltage [V]: 220 - 240  Frequency [Hz]: 50 - 60  Luminous flux [Im]: 38600  Luminous efficacy [Im/W]: 168  Energy efficiency class: B  Electrical protection class: II  Colour temperature [K]: 4000  Colour rendering index: 70  SDCM: ≤ 4  Power factor: 0.97  Surge protection [kV]: 10  Diffuser material: tempered glass  Diffuser type: transparent  Optics material: PMMA + PC  Optics: RM7HE   | Indo                              | 424020          |
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| Optics material: PMMA + PC   | Diffuser material:                | tempered glass  |
| ·  | Diffuser type:                    | transparent     |
| Optics: RM7HE  | Optics material:                  | PMMA + PC       |
|  | Optics:                           | RM7HE           |

| Exchangeable source:                     | yes   |
|--|---|
| Material of the body:                    | powder coated aluminium   |
| Colour of the body:                      | grey  |
| Dimensions (H/W/T/S) [mm]:               | 870/122/262   |
| Mounting dimensions [mm]:                | ø60   |
| 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]:              | 0.034   |
| Working temperature [°C]:                | from -40 to +50   |
| DIMM DALI:                               | yes   |
| Control:                                 | Yes + 5-stage power reduction   |
| Protection type:                         | NTC + ESD   |
| Net weight [kg]:                         | 6.600   |
| ULOR:                                    | 0%  |
| Photobiological safety:                  | Risk Group 1 (no photobiological<br>hazard under normal behavioral<br>limitation) |
| Technical Warranty:                      | 5 with the possibility of extension to 10   |
| ENEC Certificate:                        | 0356/ENEC/24/M1/A1;<br>0120/ENEC+/24/M1/A1  |
| CE certificate:                          | 95/2023   |
| Zhaga-D4i:                               | ZG407420042023  |
| Environmental Product Declaration (EPD): | 682/2024  |
| Manual:                                  | Download PDF  |

### **LIGHT CURVES**





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**DETAILED CARD** 

### **ACCESSORIES AVAILABLE**

| index   | Name                          |
|---------|-------------------------------|
| 314049  | wall holder (galvanized)      |
| 314056  | wall holder (grey)            |
| UL00184 | mounting grip 78 mm TIARA LED |







wall holder (grey) (314056)



mounting grip 78 mm TIARA LED (UL00184)

