### TIARA LED M PRO 7700LM 730 RM7 IP66 II CL. DALI **RAL9005 (49W)**

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index: 924064

Ingress protection: IP66

**IK09** Impact resistance:

Rated power of the luminaire [W]\*: 49

7700 Luminous flux [lm]\*:

Colour temperature [K]: 3000

> 70 Colour rendering index:

**Electrical protection class:** 

Optics: RM7

Yes + 5-stage power Control:

reduction

### **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 Im/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 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; toolfree 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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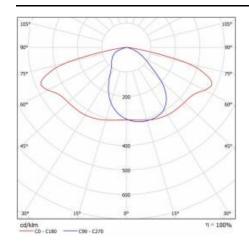
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

| Index:                            | 924064          |
|-----------------------------------|-----------------|
| EAN:                              | 5905963924064   |
| ETIM class:                       | EC000062        |
| Category type:                    | street lighting |
| Version:                          | M               |
| Light source:                     | LED module      |
| Rated power of the luminaire [W]: | 49              |
| Supply voltage [V]:               | 220 - 240       |
| Frequency [Hz]:                   | 50 - 60         |
| Luminous flux [lm]:               | 7700            |
| Luminous efficacy [lm/W]:         | 157             |
| Energy efficiency class:          | С               |
| Electrical protection class:      | II              |
| Colour temperature [K]:           | 3000            |
| Colour rendering index:           | > 70            |
| SDCM:                             | ≤ 5             |
| Power factor:                     | 0.96            |
| Surge protection [kV]:            | 10              |
| Diffuser material:                | toughened glass |
| Diffuser type:                    | transparent     |
| Optics material:                  | PMMA            |
| Optics:                           | RM7             |
| Exchangeable source:              | yes             |
|                                   | •               |

|                             | <br>I   |
|-----------------------------|---|
| Material of the body:       | powder coated aluminium   |
| Colour of the body:         | RAL 9005  |
| Dimensions (H/W/T/S) [mm]:  | 665/262/122   |
| Mounting dimensions [mm]:   | ø60   |
| Impact resistance:          | IK09  |
| Ingress protection:         | IP66  |
| Mounting version:           | Top, on pole / Side, on boom  |
| Beam angle adjustment [°]:  | -5 to +15 (peak); -15 to +5 (side)  |
| Lateral surface (SCx) [m2]: | 0.028   |
| Working temperature [°C]:   | from -40 to +50   |
| LED lifespan L90B10 [h]:    | 100000  |
| DIMM DALI:                  | yes   |
| Socket type:                | 929000962406  |
| Control:                    | Yes + 5-stage power reduction   |
| Protection type:            | NTC   |
| Net weight [kg]:            | 5.200   |
| Technical Warranty:         | 5 with the possibility of extension to 10   |
| ULOR:                       | 0%  |
| Photobiological safety:     | Risk Group 1 (no photobiological<br>hazard under normal behavioral<br>limitation) |
| ENEC Certificate:           | 0228/ENEC/20/M1.<br>0065/ENEC+/21/M1  |
| CE certificate:             | <u>62/2023</u>  |
| Manual:                     | Download PDF  |

### **LIGHT CURVES**





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### **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)

