### TIARA LED M PRO 3850LM 730 RM3 IP66 I CL. DALI (32W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index: 923142 Ingress protection: IP66

**IK09** Impact resistance:

Rated power of the luminaire [W]\*:

3850 Luminous flux [lm]\*:

Colour temperature [K]: 3000

> 70 Colour rendering index:

**Electrical protection class:** 

Optics: RM3

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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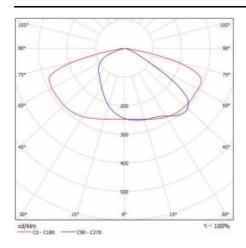
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:         923142           EAN:         5905963923142           ETIM class:         EC000062           Category type:         street lighting           Version:         M           Light source:         LED module           Rated power of the luminaire [W]:         32           Supply voltage [V]:         220 - 240           Frequency [Hz]:         50 - 60           Luminous flux [Im]:         3850           Luminous efficacy [Im/W]:         121           Energy efficiency class:         D           Electrical protection class:         I           Colour temperature [K]:         3000           Colour rendering index:         > 70           SDCM:         ≤ 5           Power factor:         0.93           Surge protection [kV]:         10           Diffuser material:         toughened glass           Diffuser type:         transparent           Optics material:         PMMA		
ETIM class:  Category type:  Street lighting  Version:  Light source:  Rated power of the luminaire [W]:  Supply voltage [V]:  Frequency [Hz]:  Luminous flux [Im]:  Luminous efficacy [Im/W]:  Energy efficiency class:  D  Electrical protection class:  I  Colour temperature [K]:  SDCM:  Power factor:  Surge protection [kV]:  Diffuser material:  Diffuser type:  street lighting  M  LED module  32  32  32  32  32  32  32  32  32  3	Index:	923142
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Colour rendering index: >70  SDCM: ≤ 5  Power factor: 0.93  Surge protection [kV]: 10  Diffuser material: toughened glass  Diffuser type: transparent	Electrical protection class:	1
SDCM: ≤ 5  Power factor: 0.93  Surge protection [kV]: 10  Diffuser material: toughened glass  Diffuser type: transparent	Colour temperature [K]:	3000
Power factor: 0.93  Surge protection [kV]: 10  Diffuser material: toughened glass Diffuser type: transparent	Colour rendering index:	> 70
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Diffuser material: toughened glass Diffuser type: transparent	Power factor:	0.93
Diffuser type: transparent	Surge protection [kV]:	10
	Diffuser material:	toughened glass
Optics material: PMMA	Diffuser type:	transparent
	Optics material:	PMMA
Optics: RM3	Optics:	RM3

Exchangeable source:	yes
Material of the body:	powder coated aluminium
Colour of the body:	grey
Dimensions (H/W/T/S) [mm]:	665/122/262
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
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 hazard under normal behavioral limitation)
ENEC Certificate:	0228/ENEC/20/M1. 0065/ENEC+/21/M1
CE certificate:	62/2023
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 (galvanized) (314049)

wall holder (grey) (314056)

mounting grip 78 mm TIARA LED (UL00184)

Card creation date: 05 April 2024

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%

