

# TIARA LED M PRO CLUE SRW 11500LM 740 RM3 IP66 I CL. DALI (78W) IOT CLUE

DETAILED CARD



## TECHNICAL PARAMETERS

Rated power of the luminaire [W]*:	78
Luminous flux [lm]*:	11500
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	147
Energy efficiency class:	C
Electrical protection class:	I
Colour temperature [K]:	4000
Colour rendering index:	> 70
Surge protection [kV]:	10

## 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

Index:	956973	Impact resistance:	IK09
Light source:	LED module	Ingress protection:	IP66
Rated power of the luminaire [W]:	78	Mounting version:	Top, on pole / Side, on boom
Luminous flux [lm]:	11500	Working temperature [°C]:	from -40 to +50
Supply voltage [V]:	220 - 240	Tilt angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Frequency [Hz]:	50 - 60	Lateral surface (SCx) [m2]:	0.028
Luminous efficacy [lm/W]:	147	Diode PCB material:	Aluminum
Energy efficiency class:	C	DIMM DALI:	yes
Electrical protection class:	I	Control:	Yes + 5-stage power reduction
Colour temperature [K]:	4000	Protection type:	NTC + ESD
Colour rendering index:	> 70	Dimensions of single box [mm]:	675/280/165
SDCM:	≤ 5	Net weight [kg]:	5.200
Power factor:	0.99	ULOR:	0%
LED lifespan L90B10 [h]:	100000	ETIM class:	EC000062
Surge protection [kV]:	10	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Diffuser material:	toughened glass	Category type:	street lighting
Optics:	RM3	Category of application:	Street lighting
Optics material:	PMMA	Exchangeable source:	yes
Material of the body:	powder coated aluminium	Technical Warranty:	5 with the possibility of extension to 10
Colour of the body:	grey	Environmental Product Declaration (EPD):	682/2024
Dimensions (H/W/T/S) [mm]:	665/262/122	CE certificate:	<a href="#">448/2023</a>
Mounting dimensions [mm]:	ø60	Manual:	<a href="#">Download PDF</a>

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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)