

# TIARA LED L CLUE SRW 20200LM 740 RM3 IP66 I CL. DALI SP10KV (184W) IOT CLUE

DETAILED CARD



## TECHNICAL PARAMETERS

Rated power of the luminaire [W]*:	184
Luminous flux [lm]*:	20200
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	110
Energy efficiency class:	D
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

<b>Index:</b>	956980	<b>Ingress protection:</b>	IP66
<b>Light source:</b>	LED module	<b>Mounting version:</b>	Top, on pole / Side, on boom
<b>Rated power of the luminaire [W]:</b>	184	<b>Working temperature [°C]:</b>	from -40 to +35
<b>Luminous flux [lm]:</b>	20200	<b>Tilt angle adjustment [°]:</b>	-5 to +15 (peak); -15 to +5 (side)
<b>Supply voltage [V]:</b>	220 - 240	<b>Lateral surface (SCx) [m2]:</b>	0.034
<b>Frequency [Hz]:</b>	50 - 60	<b>Diode PCB material:</b>	Aluminum
<b>Luminous efficacy [lm/W]:</b>	110	<b>DIMM DALI:</b>	1
<b>Energy efficiency class:</b>	D	<b>Control:</b>	Yes + 5-stage power reduction
<b>Electrical protection class:</b>	I	<b>Protection type:</b>	NTC
<b>Colour temperature [K]:</b>	4000	<b>Dimensions of single box [mm]:</b>	880/280/165
<b>Colour rendering index:</b>	> 70	<b>Dimensions of bulk box (H/W/D) [mm]:</b>	880/280/165
<b>SDCM:</b>	≤ 5	<b>Net weight [kg]:</b>	6.500
<b>Power factor:</b>	0.99	<b>ULOR:</b>	0%
<b>LED lifespan L90B10 [h]:</b>	100000	<b>ETIM class:</b>	EC000062
<b>Surge protection [kV]:</b>	10	<b>Photobiological safety:</b>	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
<b>Diffuser material:</b>	toughened glass	<b>Category type:</b>	street lighting
<b>Optics:</b>	RM3	<b>Category of application:</b>	Street lighting
<b>Optics material:</b>	PMMA	<b>Exchangeable source:</b>	1
<b>Material of the body:</b>	powder coated aluminium	<b>Technical Warranty:</b>	5 with the possibility of extension to 10
<b>Colour of the body:</b>	grey	<b>Environmental Product Declaration (EPD):</b>	682/2024
<b>Dimensions (H/W/T/S) [mm]:</b>	870/122/262	<b>CE certificate:</b>	<a href="#">448/2023</a>
<b>Mounting dimensions [mm]:</b>	ø60	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Impact resistance:</b>	IK09		

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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)

Card creation date: 30 October 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%

 This product is a subject to electric and electronic waste equipment regulations (WEEE).

 Certificate CE - Nr: 448/2023