

# TIARA LED L 20200LM 740 RM3 IP65 II CL. DALI RCR SP10KV (184W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	963445
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Luminaire rated power <math>P_{min}</math> [W]:</b>	184
<b>Luminous flux [lm]*:</b>	20200
<b>Colour temperature [K]:</b>	4000
<b>SDCM:</b>	≤ 5
<b>Colour rendering index:</b>	> 70
<b>Electrical protection class:</b>	II
<b>Material of the body:</b>	powder coated aluminium

## 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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Light source:	LED module	Mounting version:	Top, on pole / Side, on boom
Rated power of the luminaire [W]:	184	Working temperature [°C]:	from -40 to +35
Supply voltage [V]:	220 - 240	Beam angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Frequency [Hz]:	50 - 60	Lateral surface (SCx) [m2]:	0.034
Luminous flux [lm]:	20200	DIMM DALI:	yes
Luminous efficacy [lm/W]:	110	Protection type:	NTC
Energy efficiency class:	E	Net weight [kg]:	6.500
Electrical protection class:	II	Index:	963445
Colour temperature [K]:	4000	Category type:	street lighting
Colour rendering index:	> 70	Version:	L
SDCM:	≤ 5	Luminaire rated power 0min [W]:	184
Power factor:	0.99	AC voltage range [V]:	198 - 264
Surge protection [kV]:	10	DC voltage range [V]:	186 - 250
Diffuser material:	toughened glass	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Diffuser type:	transparent	LED lifespan L90B10 [h]:	100000
Optics material:	PMMA	ETIM class:	EC000062
Optics:	RM3	Motion sensor:	yes
Material of the body:	powder coated aluminium	ULOR:	0%
Colour of the body:	grey	CE certificate:	<a href="#">66/2020</a>
Dimensions (H/W/T/S) [mm]:	870/122/262	ENEC Certificate:	<a href="#">0228/ENEC/20/M1</a>
Mounting dimensions [mm]:	ø60	Warranty [years]:	10
Impact resistance:	IK09	Manual:	<a href="#">Download PDF</a>
Ingress protection:	IP65		

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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)