

# TIARA LED L 15850LM 740 RM3 IP65 II CL. DALI RCR SP10KV (140W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	963438
<b>Ingress protection:</b>	IP65
<b>Impact resistance:</b>	IK09
<b>Luminaire rated power <math>P_{min}</math> [W]:</b>	140
<b>Luminous flux [lm]*:</b>	15850
<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	Working temperature [°C]:	from -40 to +35
Rated power of the luminaire [W]:	140	Beam angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Supply voltage [V]:	220 - 240	Lateral surface (SCx) [m2]:	0.034
Frequency [Hz]:	50 - 60	DIMM DALI:	yes
Luminous flux [lm]:	15850	Protection type:	NTC
Luminous efficacy [lm/W]:	113	Net weight [kg]:	6.500
Energy efficiency class:	E	Index:	963438
Electrical protection class:	II	Category type:	street lighting
Colour temperature [K]:	4000	Version:	L
Colour rendering index:	> 70	Luminaire rated power $P_{min}$ [W]:	140
SDCM:	≤ 5	AC voltage range [V]:	198 - 264
Power factor:	0.99	DC voltage range [V]:	186 - 250
Surge protection [kV]:	10	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Diffuser material:	toughened glass	LED lifespan L90B10 [h]:	100000
Diffuser type:	transparent	ETIM class:	EC000062
Optics material:	PMMA	Motion sensor:	yes
Optics:	RM3	Phase dimming:	yes
Material of the body:	powder coated aluminium	Operating mode:	1
Colour of the body:	grey	ULOR:	0%
Dimensions (H/W/T/S) [mm]:	870/122/262	CE certificate:	<a href="#">66/2020</a>
Mounting dimensions [mm]:	∅60	ENEC Certificate:	<a href="#">0228/ENEC/20/M1</a>
Impact resistance:	IK09	Warranty [years]:	10
Ingress protection:	IP65	Manual:	<a href="#">Download PDF</a>
Mounting version:	Top, on pole / Side, on boom		

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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: 03 June 2020

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: 66/2020