

TIARA LED L 20200LM 740 RM3 IP66 II CL. DALI NEMA SP10KV (184W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	954849
Ingress protection:	IP66
Impact resistance:	IK09
Luminaire rated power P_{min} [W]:	184
Luminous flux [lm]*:	20200
Colour temperature [K]:	4000
SDCM:	≤ 5
Colour rendering index:	> 70
Electrical protection class:	II
Material of the body:	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]:	0.036
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:	954849
Colour temperature [K]:	4000	EAN:	5905963954849
Colour rendering index:	> 70	Category type:	street lighting
SDCM:	≤ 5	Version:	L NEMA
Power factor:	0.99	Luminaire rated power P_{min} [W]:	184
Surge protection [kV]:	10	AC voltage range [V]:	198 - 264
Diffuser material:	toughened glass	DC voltage range [V]:	186 - 250
Diffuser type:	transparent	Socket type:	NEMA
Optics material:	PMMA	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Optics:	RM3	LED lifespan L90B10 [h]:	100000
Material of the body:	powder coated aluminium	ETIM class:	EC000062
Colour of the body:	grey	ULOR:	0%
Dimensions (H/W/T/S) [mm]:	870/122/262	CE certificate:	66/2020
Mounting dimensions [mm]:	ø60	ENEC Certificate:	0228/ENEC/20/M1
Impact resistance:	IK09	Warranty [years]:	10
Ingress protection:	IP66	Manual:	Download PDF

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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)