TIARA LED L 18050LM 757 RM3 IP66 II CL. DALI SP10KV (142W)

DETAILED CARD

TECHNICAL PARAMETERS

Index:	955914
Ingress protection:	IP66
Impact resistance:	IK09
Luminaire rated power 0min [W]:	142
Luminous flux [lm]*:	18050
Colour temperature [K]:	5700
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
Rated power of the luminaire [W]:	142
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	18050
Luminous efficacy [lm/W]:	127
Energy efficiency class:	D
Electrical protection class:	II
Colour temperature [K]:	5700
Colour rendering index:	> 70
SDCM:	≤ 5
Surge protection [kV]:	10
Diffuser material:	toughened glass
Diffuser type:	transparent
Optics material:	PMMA
Optics:	RM3
Material of the body:	powder coated aluminium
Colour of the body:	grey
Dimensions (H/W/T/S) [mm]:	870/122/262
Mounting dimensions [mm]:	ø60
Impact resistance:	IK09
Ingress protection:	IP66

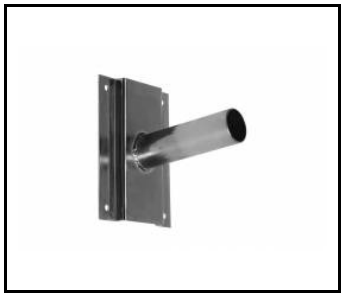
Mounting version:	Top, on pole / Side, on boom
Working temperature [°C]:	from -40 to +35
Beam angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Lateral surface (SCx) [m2]:	0.034
DIMM DALI:	yes
Protection type:	NTC
Net weight [kg]:	6.500
Index:	955914
EAN:	5905963955914
Category type:	street lighting
Version:	L
Luminaire rated power 0min [W]:	142
AC voltage range [V]:	198 - 264
DC voltage range [V]:	186 - 250
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
LED lifespan L90B10 [h]:	100000
ETIM class:	EC000062
ULOR:	0%
CE certificate:	66/2020
ENEC Certificate:	0228/ENEC/20/M1
Warranty [years]:	10
Manual:	Download PDF

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DETAILED CARD

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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 66/2020

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