# TIARA 2 LED M 5400LM 740 RM7 IP66 II CL. DALI (36W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index:	988097
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	36
Luminous flux [lm]*:	5400
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	II
Optics:	RM7

#### **CHARACTERISTICS**

TIARA 2 LED a new generation of LED road luminaires. It uses directional multilens arrays made of PMMA, with each lens having the same optics, ensuring that the light characteristics remain constant over time. The luminaire's dual-chamber design maintains the integrity of the optical chamber during installation work and the opening of the electrical chamber. As standard, the luminaire offers tool-free access to the electrical fixtures using two independent clips, which, if desired and needed to protect against vandalism or uncontrolled opening, can optionally be permanently secured with screws or a seal. The upper part of the luminaire, has dedicated hinges and a safety cable to prevent falling. Using standard tools, quick and convenient service is possible, allowing replacement of any component without the need to disassemble the entire fixture and make soldered connections. The body and handle made of die-cast aluminum, powder-coated in gray, is characterized by a very high degree of IP66 and IK10 impact resistance. Standard features: ergonomic light module suspension system; NTC luminaire accidental overheating protection; fully programmable DALI driver; available functions for maintaining constant lumen output during CLO and autonomous 5-stage power reduction; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; anti-vandal protection with screws/seal; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnect switch that disconnects voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; painting in any RAL color. Certifications: CE, RoHS, ENEC+, Zhaga D4i.

## **APPLICATION**

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: highways, expressways, national, provincial, county, municipal, city, neighborhood, area lighting. Optics are also available to illuminate: pedestrian crossings, sidewalks and bicycle paths.



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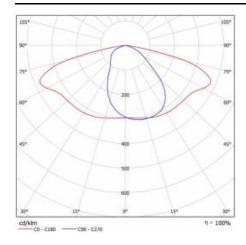
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:	988097
EAN:	5905963988097
ETIM class:	EC000062
Category type:	street lighting
Version:	М
Light source:	LED module
Rated power of the luminaire [W]:	36
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	5400
Luminous efficacy [lm/W]:	150
Energy efficiency class:	С
Electrical protection class:	II
Colour temperature [K]:	4000
Colour rendering index:	70
SDCM:	≤ 5
Power factor:	0.93
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics material:	PMMA
Optics:	RM7
Exchangeable source:	yes
Material of the body:	powder coated aluminium

Colour of the body:  Dimensions (H/W/T/S) [mm]:  Mounting dimensions [mm]:  Mounting dimensions [mm]:  Mounting dimensions [mm]:  Impact resistance:  Ilk10  Impact resistance:  Ilk10  Imped person pole / Side, on boom  Top, on pole / Side, on boom  -30 to +120 (peak); -120 to +30 (side)  (side)  Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  Control:  Yes + 5-stage power reduction  NTC + ESD  Vandalproof:  Net weight [kg]:  ULOR:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  O410/ENEC/25; 0141/ENEC+/25  CE certificate:  O77/2024		
Mounting dimensions [mm]:    Mounting dimensions [mm]:   Impact resistance:   IK10     Ingress protection:   IP66     Mounting version:   Top, on pole / Side, on boom     -30 to +120 (peak); -120 to +30 (side)     Lateral surface (SCx) [m2]:   0.028     Working temperature [°C]:   from -40 to +50     DIMM DALI:   yes     Control:   Yes + 5-stage power reduction     Protection type:   NTC + ESD     Vandalproof:   yes     Net weight [kg]:   5.200     ULOR:   0%     Photobiological safety:   Photobiological hazard)     5 with the possibility of extension to 10     ENEC Certificate:   0410/ENEC/25; 0141/ENEC+/25     CE certificate:   07/2024	Colour of the body:	grey
Impact resistance:  Ingress protection:  Ingress protection:  Mounting version:  Top, on pole / Side, on boom  -30 to +120 (peak); -120 to +30 (side)  (side)  Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  yes  Control:  Yes + 5-stage power reduction  Protection type:  Vandalproof:  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:  07/2024	Dimensions (H/W/T/S) [mm]:	597/265/105
Ingress protection:  Mounting version:  Top, on pole / Side, on boom  -30 to +120 (peak); -120 to +30 (side)  Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  Control:  Yes + 5-stage power reduction  Protection type:  Vandalproof:  Net weight [kg]:  Divide the protection of the photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  07/2024  Top, on pole / Side, on boom  -30 to +120 (peak); -120 to +30 (side)  -30 to +120 (peak);	Mounting dimensions [mm]:	ø60
Mounting version:  Top, on pole / Side, on boom  -30 to +120 (peak); -120 to +30 (side)  Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  Control:  Yes + 5-stage power reduction  Protection type:  Vandalproof:  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:  07/2024	Impact resistance:	IK10
Tilt angle adjustment [*]:  Lateral surface (SCx) [m2]:  Working temperature [*C]:  DIMM DALI:  Control:  Protection type:  Vandalproof:  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  C30 to +120 (peak); -120 to +30 (side)  From -40 to +50  yes  From -40 to +50  Yes + 5-stage power reduction  NTC + ESD  Vandalproof:  yes  5.200  0%  RG0 - exempt (no photobiological hazard) 5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:	Ingress protection:	IP66
Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  Ciside)  0.028  from -40 to +50  yes  Yes + 5-stage power reduction  NTC + ESD  yes  5.200  ULOR:  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:  07/2024	Mounting version:	Top, on pole / Side, on boom
Working temperature [°C]:  DIMM DALI:  yes  Control:  Yes + 5-stage power reduction  Protection type:  Vandalproof:  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  O7/2024  from -40 to +50  yes  NTC + ESD  NTC + ESD  Vandalproof:  yes  5.200  0%  RG0 - exempt (no photobiological hazard) 5 with the possibility of extension to 10  O410/ENEC/25; 0141/ENEC+/25	Tilt angle adjustment [°]:	
DIMM DALI:  Control:  Yes + 5-stage power reduction  Protection type:  NTC + ESD  Vandalproof:  yes  Net weight [kg]:  5.200  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:  07/2024	Lateral surface (SCx) [m2]:	0.028
Control:  Protection type:  NTC + ESD  Vandalproof:  yes  Net weight [kg]:  ULOR:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  Yes + 5-stage power reduction  NTC + ESD  yes  5.200  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  0410/ENEC/25; 0141/ENEC+/25	Working temperature [°C]:	from -40 to +50
Protection type:  Vandalproof:  yes  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological warranty:  Technical Warranty:  ENEC Certificate:  07/2024  NTC + ESD  yes  F. 200  0%  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  0410/ENEC/25; 0141/ENEC+/25	DIMM DALI:	yes
Vandalproof:  Net weight [kg]:  5.200  ULOR:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  9 yes  5.200  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  0410/ENEC/25; 0141/ENEC+/25	Control:	Yes + 5-stage power reduction
Net weight [kg]:  ULOR:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  5.200  RG0 - exempt (no photobiological hazard) 5 with the possibility of extension to 10  0410/ENEC/25; 0141/ENEC+/25  07/2024	Protection type:	NTC + ESD
ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  0%  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  07/2024	Vandalproof:	yes
Photobiological safety:  RG0 - exempt (no photobiological hazard)  5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  CE certificate:  07/2024	Net weight [kg]:	5.200
Photobiological safety:  photobiological hazard)  5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  07/2024	ULOR:	0%
Technical Warranty:  5 with the possibility of extension to 10  ENEC Certificate:  0410/ENEC/25; 0141/ENEC+/25  07/2024	Photobiological safety:	
CE certificate: 07/2024	Technical Warranty:	5 with the possibility of
<u></u>	ENEC Certificate:	0410/ENEC/25; 0141/ENEC+/25
	CE certificate:	07/2024
Zhaga-D4i: <u>ZG407120042023</u>	Zhaga-D4i:	ZG407120042023
Environmental Product Declaration (EPD): 682/2024	Environmental Product Declaration (EPD):	682/2024
Manual: Download PDF	Manual:	Download PDF
150 11 100000	LED lifespan L95B10 [h]:	100000

### **LIGHT CURVES**





# TIARA 2 LED M 5400LM 740 RM7 IP66 II CL. DALI (36W)

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### **ACCESSORIES AVAILABLE**

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S
UL00960	Backshield L (left) Tiara 2 LED M
UL00959	Backshield P (right) Tiara 2 LED M
UL00958	Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.)







wall holder (grey) (314056)



Backshield L (left) Tiara 2 LED M (UL00960)



Backshield P (right) Tiara 2 LED M (UL00959)



Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.) (UL00958)

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).