## TIARA 2 LED S 4375LM 740 RM7 IP66 I CL. DALI NEMA (33W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index:	916212
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	33
Luminous flux [lm]*:	4375
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	1
Optics:	RM7
Socket type:	NEMA

#### **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 IKO9 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, 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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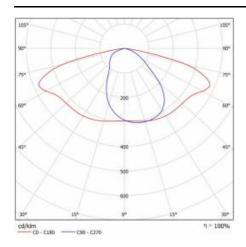
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:	916212
EAN:	5905963916212
ETIM class:	EC000062
Category type:	street lighting
Version:	S NEMA
Light source:	LED module
Rated power of the luminaire [W]:	33
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	4375
Luminous efficacy [lm/W]:	133
Energy efficiency class:	D
Electrical protection class:	I
Colour temperature [K]:	4000
Colour rendering index:	> 70
SDCM:	≤ 5
Surge protection [kV]:	10
Diffuser material:	toughened glass
Diffuser type:	transparent
Optics material:	PMMA
Optics:	RM7
Exchangeable source:	yes
Material of the body:	powder coated aluminium
Colour of the body:	grey

Dimensions (H/W/T/S) [mm]:  Mounting dimensions [mm]:  Impact resistance:  Ingress protection:  Mounting version:  Beam angle adjustment [°]:  Lateral surface (SCx) [m2]:  Vorking temperature [°C]:  LED lifespan L90B10 [h]:  Sockets:  1  Socket type:  Control:  Protection type:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  Ce certificate:  Zhaga-D4i:  Mounting dimensions [mm]:  424/251/105  660  IK09  IR09  IR09  IN09  IP66  Top, on pole / Side, on boom  70, on pole / Side, on boom  10000  1000  1000  1000  100000  1000		
Impact resistance: Ingress protection: Ingress protection:  Mounting version:  Beam angle adjustment [°]:  Lateral surface (SCx) [m2]:  Working temperature [°C]:  LED lifespan L90B10 [h]:  Sockets:  1  Socket type:  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  Ce certificate:  Zhaga-D4i:  Icon pole / Side, on boom  Top, on pole / Side, on pole / Sid	Dimensions (H/W/T/S) [mm]:	424/251/105
Ingress protection:  Mounting version:  Beam angle adjustment [°]:  Lateral surface (SCx) [m2]:  Working temperature [°C]:  LED lifespan L90B10 [h]:  Sockets:  1  Socket type:  Control:  Protection type:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  Ingress protection:  Top, on pole / Side, on boom  -30° to +120° (peak); -120° to +30° (side)  100000  from -40 to +50  100000  NEMA  100000  NEMA  NEMA  Ves + 5-stage power reduction  NTC  Vandalproof:  yes  Soket type:  NTC  Vandalproof:  Net weight [kg]:  4.280  S with the possibility of extension to 10  ULOR:  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:	Mounting dimensions [mm]:	ø60
Mounting version:  Beam angle adjustment [°]:  Lateral surface (SCx) [m2]:  Working temperature [°C]:  LED lifespan L90B10 [h]:  Sockets:  Sockets:  1  Socket type:  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  Ce certificate:  Zhaga-D4i:  Top, on pole / Side, on boom  -30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  (side)  1-30° to +120° (peak); -120° to +30° (side)  From -40 to +50  100000  Yes  NEMA  Yes + 5-stage power reduction  NTC  yes  4.280  5 with the possibility of extension to 10  ULOR:  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate:  2464/2023  Zhaga-D4i:	Impact resistance:	IK09
Beam angle adjustment [°]:  Lateral surface (SCx) [m2]:  Working temperature [°C]:  LED lifespan L90B10 [h]:  DIMM DALI:  Sockets:  1  Socket type:  NEMA  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  -30° to +120° (peak); -120° to +30° (side)  (side)  0.023  from -40 to +50  I 00000  NEMM 4  100000  Yes  Sockets:  1  NEMA  Ves + 5-stage power reduction  NTC  yes  S with the possibility of extension to 10  ULOR:  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  64/2023  ZG407220042023	Ingress protection:	IP66
Beam angle adjustment [*]:  Lateral surface (SCx) [m2]:  Working temperature [*C]:  LED lifespan L90B10 [h]:  DIMM DALI:  Sockets:  1  Socket type:  NEMA  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  [*]:  10.0023  from -40 to +50  100000  NEMM  A  10.0000  Yes  Sockets:  1  NEMA  Yes + 5-stage power reduction  NTC  Yes  Socket type:  NTC  Yes  NTC  Yes  NTC  Vandalproof:  Yes  Swith the possibility of extension to 10  ULOR:  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 019/ENEC+/24  ZG407220042023	Mounting version:	Top, on pole / Side, on boom
Working temperature [°C]:  LED lifespan L90B10 [h]:  DIMM DALI:  Sockets:  1  Socket type:  NEMA  Control:  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  from -40 to +50   100000    REMA  Yes + 5-stage power reduction  NTC  yes  NTC  yes  5 with the possibility of extension to 10  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  ZG407220042023	Beam angle adjustment [°]:	" "
LED lifespan L90B10 [h]:  DIMM DALI:  Sockets:  1  Socket type:  NEMA  Control:  Yes + 5-stage power reduction  Protection type:  NTC  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 019/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:  ZG407220042023	Lateral surface (SCx) [m2]:	0.023
DIMM DALI:  Sockets:  1  Socket type:  NEMA  Control:  Yes + 5-stage power reduction  Protection type:  NTC  Vandalproof:  Yes  4.280  Technical Warranty:  ULOR:  Photobiological safety:  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:  ZG407220042023	Working temperature [°C]:	from -40 to +50
Sockets:  Socket type:  NEMA  Yes + 5-stage power reduction  Protection type:  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  Photobiological safety:  ENEC Certificate:  CE certificate:  Socket type:  NEMA  Yes + 5-stage power reduction  NTC  yes  4.280  5 with the possibility of extension to 10  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:  ZG407220042023	LED lifespan L90B10 [h]:	100000
Socket type:  Control:  Yes + 5-stage power reduction  Protection type:  NTC  Vandalproof:  Yes  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  Photobiological safety:  ENEC Certificate:  CE certificate:  CE certificate:  Socket type:  NEMA  Yes + 5-stage power reduction  NTC  Yes  NTC  9  Swith the possibility of extension to 10  Which is a simple of the possibility of extension to 10  Socket type:  NEMA  NEMA  Socket type:  Socket type:  Socket type:  NEMA  Socket type:  NEMA  Socket type:  Socket typ	DIMM DALI:	yes
Control:  Protection type:  NTC  Vandalproof:  Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  Yes + 5-stage power reduction  NTC  Yes  Risc Group 1  (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  64/2023  ZG407220042023	Sockets:	1
Protection type:  Vandalproof:  yes  A.280  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  NTC  yes  4.280  5 with the possibility of extension to 10  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  64/2023  ZG407220042023	Socket type:	NEMA
Vandalproof:  Net weight [kg]:  4.280  5 with the possibility of extension to 10  ULOR:  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  O355/ENEC/24; O119/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:  ZG407220042023	Control:	Yes + 5-stage power reduction
Net weight [kg]:  Technical Warranty:  ULOR:  Photobiological safety:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  4.280  5 with the possibility of extension to 10  WRisk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  64/2023  ZG407220042023	Protection type:	NTC
Technical Warranty:  ULOR:  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  CE certificate:  CE certificate:  Zhaga-D4i:  5 with the possibility of extension to 10  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  5 with the possibility of extension to 10  6 with the possibility of extension to 10  6 with the possibility of extension to 10  8 Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  2	Vandalproof:	yes
Technical Warranty:  to 10  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate:  64/2023  Zhaga-D4i:  ZG407220042023	Net weight [kg]:	4.280
Photobiological safety:  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  ENEC Certificate:  0355/ENEC/24; 0119/ENEC+/24  CE certificate: 64/2023  Zhaga-D4i:  ZG407220042023	Technical Warranty:	
Photobiological safety: hazard under normal behavioral limitation)  ENEC Certificate:  CE certificate: 64/2023  Zhaga-D4i: ZG407220042023	ULOR:	0%
CE certificate:         64/2023           Zhaga-D4i:         ZG407220042023	Photobiological safety:	hazard under normal behavioral
Zhaga-D4i: ZG407220042023	ENEC Certificate:	0355/ENEC/24; 0119/ENEC+/24
	CE certificate:	64/2023
Manual: Download PDF	Zhaga-D4i:	ZG407220042023
	Manual:	Download PDF

### **LIGHT CURVES**





# TIARA 2 LED S 4375LM 740 RM7 IP66 I CL. DALI NEMA (33W)

**DETAILED CARD** 

#### **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





wall holder (galvanized) (314049)

wall holder (grey) (314056)