TIARA LED L PRO 28800LM 740 RM7HE IP66 II CL. DALI (160W)

DETAILED CARD

TECHNICAL PARAMETERS

Index:	434877
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	160
Luminous flux [lm]*:	28800
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	II
Optics:	RM7HE

CHARACTERISTICS

TIARA LED PRO a family of LED road luminaires based on a proven form factor. It uses directional multi-lens matrices, made of PMMA, with each lens having the same optics, ensuring that the luminous characteristics remain constant over time. Components from renowned manufacturers and new LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 170 lm/W. The two-chamber construction of the luminaire maintains the tightness of the optical chamber during assembly work and allows tool-free access to the electrical equipment chamber. The upper part of the luminaire, has dedicated hinges and a safety cord. Using standard tools, quick and convenient servicing is possible, allowing the replacement of any component without having to dismantle the entire luminaire and make soldered connections. The body and handle are made of die-cast aluminium, powder-coated grey, and have a very high IP66 protection rating and IK09 mechanical impact resistance. Standard features: ergonomic light module suspension system; fully programmable DALI driver; CLO constant lumen maintenance and autonomous 5-stage power reduction functions available; NTC overheating protection; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnector to disconnect voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; painting in any RAL colour. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga D4i.

APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: motorways, motorways, national roads, voivodeships, districts, communes, municipalities, housing estates, area lighting. Optics are also available to illuminate: pedestrian crossings, pavements and cycle paths.

LENA LIGHTING
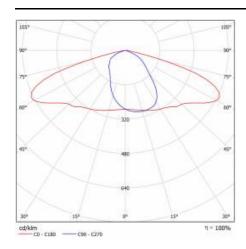
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TECHNICAL PARAMETERS TABLE

Index:	434877	**Exchangeable source:**	yes
EAN:	5905963434877	**Material of the body:**	powder coated aluminium
ETIM class:	EC000062	**Colour of the body:**	grey
Category type:	street lighting	**Dimensions (H/W/T/S) [mm]:**	870/122/262
Product line:	HE	**Mounting dimensions [mm]:**	ø60
Version:	L	**Impact resistance:**	IK09
Light source:	LED module	**Ingress protection:**	IP66
Rated power of the luminaire [W]:	160	**Mounting version:**	Top, on pole / Side, on boom
Supply voltage [V]:	220 - 240	**Tilt angle adjustment [°]:**	-5 to +15 (peak); -15 to +5 (side)
Frequency [Hz]:	50 - 60	**Lateral surface (SCx) [m2]:**	0.034
Luminous flux [lm]:	28800	**Working temperature [°C]:**	from -40 to +50
Luminous efficacy [lm/W]:	180	**DIMM DALI:**	yes
Energy efficiency class:	A	**Control:**	Yes + 5-stage power reduction
Electrical protection class:	II	**Protection type:**	NTC + ESD
Colour temperature [K]:	4000	**Net weight [kg]:**	6.600
Colour rendering index:	70	**ULOR:**	0%
SDCM:	≤ 4	**Photobiological safety:**	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Power factor:	0.96	**Technical Warranty:**	5 with the possibility of extension to 10
Surge protection [kV]:	10	**ENEC Certificate:**	0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1
Diffuser material:	tempered glass	**CE certificate:**	95/2023
Diffuser type:	transparent	**Zhaga-D4i:**	ZG407420042023
Optics material:	PMMA + PC	**Environmental Product Declaration (EPD):**	682/2024
Optics:	RM7HE	**Manual:**	Download PDF

LIGHT CURVES

cd/klm   η = 100%
C0 - C180   C90 - C270

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TIARA LED L PRO 28800LM 740 RM7HE IP66 II CL. DALI (160W)

DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL00184	mounting grip 78 mm TIARA LED

wall holder (galvanized) (314049)

wall holder (grey) (314056)

mounting grip 78 mm TIARA LED (UL00184)

Certificate CE - Nr: 95/2023

LENA LIGHTING

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