CONSTELIA LED 9800LM 740 RM7 IP66 II CL. DALI ZG-DOWN IK09 (70W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	809187
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	70
Luminous flux [lm]*:	9800
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Optics:	RM7
Control:	Yes + 5-stage power reduction

CHARACTERISTICS

Constelia LED is a new generation of stylised LED park-and-ride luminaires. It uses directional multi-lens matrices, made of PMMA, with each lens having dedicated optics, ensuring the light characteristics remain consistent over time. The luminaire's design ensures that the luminaire's internal chamber remains sealed. As standard, the luminaire offers tool-free access to the electrical equipment, which, if desired and to protect against vandalism or uncontrolled opening, can optionally be permanently secured with screws. The luminaire offers rapid and convenient serviceability, allowing one integrated component to be replaced without the need to dismantle the entire luminaire and make soldered or screwed connections. No on-site service work is required. Simply replace the module with a spare (accessory) close the luminaire and the service work is then carried out on site: at the luminaire owner's facility or sent back to the manufacturer's service centre. The luminaire body and handle are made of die-cast aluminium, powder-coated black and have a very high IP66 ingress protection and IK09 mechanical shock resistance.
Accessories available: NTC overheating protection; fully programmable DALI driver; luminaire CLO and Autonomous 5-step power reduction functions available; connection terminals;
tool-free access protected by a knife disconnect switch to de-energise the integral module if the compartment is opened.
Additional options: stylised glazing to transform the external appearance of the luminaire, ZHAGA connector (ZhagaBook 18); interfacing with control systems, anti-vandal protection with screws; additional SP10kV protection outside the power supply, on/off power supply without power reduction; design with cable terminated with quick connector; painting in any RAL colour. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga-D4i.

APPLICATION

Outdoor areas of places such as town halls, libraries, town halls, health facilities, schools, kindergartens, public gardens, streets, pavements, recreational areas: playing fields, playgrounds, cycle paths, historical sites, old towns.

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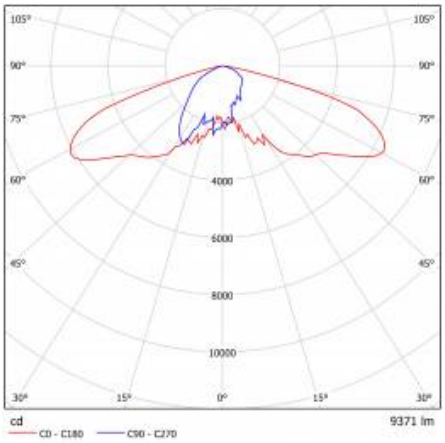
DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	809187
EAN:	5905963809187
Category type:	Park and city lighting
Category of application:	parkings and bicycle paths
Light source:	LED module
Rated power of the luminaire [W]:	70
Luminous flux [lm]:	9800
Supply voltage [V]:	220-240
AC voltage range [V]:	220-240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	140
Energy efficiency class:	C
Electrical protection class:	II
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
SDCM:	4
Power factor:	0.98
LED lifespan L90B10 [h]:	100000
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics:	RM7
Optics material:	PMMA + PC
Material of the body:	powder coated aluminium
Colour of the body:	black
Dimensions (H/W/T/S) [mm]:	425/425/827

Mounting dimensions [mm]:	ø70
Impact resistance:	IK09
Ingress protection:	IP66
Mounting version:	top
Lateral surface (SCx) [m2]:	0.08
Working temperature [°C]:	from -40 to +50
Version:	ZHAGA
Socket type:	ZG-DN
Sockets:	1
DIMM DALI:	yes
Control:	Yes + 5-stage power reduction
Wire type:	HO7 RNF-2x1
Cable length [m]:	1.50
Protection type:	NTC + ESD
Number on the palette [pcs]:	8
Net weight [kg]:	7
ETIM class:	EC000062
Photobiological safety:	RG0 - exempt (no photobiological hazard)
Warranty [years]:	5 z możliwością przedłużenia do 10
CE certificate:	87/2025
ENEC Certificate:	0431/ENEC/25; 0151/ENEC+/25
Zhaga-D4i:	ZG448511062025
Environmental Product Declaration (EPD):	683/2024
Manual:	Download PDF
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018

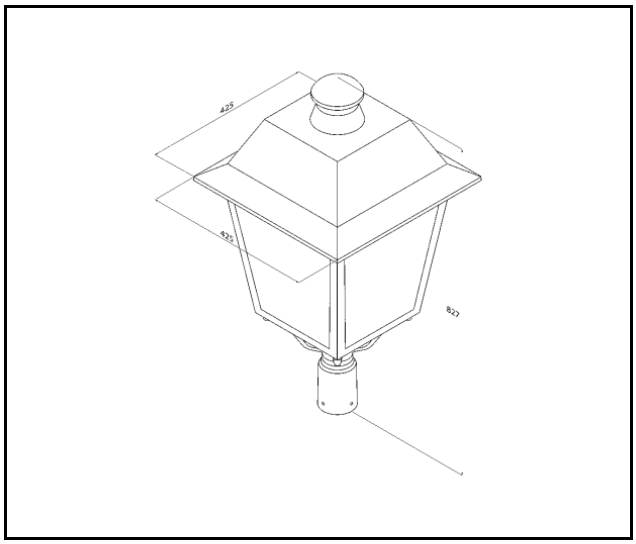
LIGHT CURVES



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TECHNICAL PICTURES



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ACCESSORIES AVAILABLE

index	Name
809972	Constelia LED milky diffuser
809989	Constelia LED frosted diffuser
809996	Constelia LED transparent diffuser
810992	Constelia LED sandblasted diffuser
809330	Constelia LED backshield
703195	Constelia RAL9005 mounting bracket for flat surfaces



Constelia LED milky diffuser (809972)



Constelia LED frosted diffuser (809989)



Constelia LED transparent diffuser (809996)



Constelia LED sandblasted diffuser (810992)



Constelia RAL9005 mounting bracket for flat surfaces (703195)

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: 87/2025

LENA LIGHTING

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