CONSTELIA LED

GENERAL CARD



TECHNICAL PARAMETERS

Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	8.00 - 76.00
Luminous flux [lm]*:	1125 - 10150
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Electrical protection class:	II
Optics:	RM7
Control:	Yes + 5-stage power reduction
Colour of the body:	black
Luminous efficacy [lm/W]:	123.00 - 145.00
Energy efficiency class:	C; D
Material of the body:	powder coated aluminium
Diffuser type:	transparent
Diffuser material:	tempered glass
Socket type:	ZG-DN
Optics material:	PMMA + PC

CHARACTERISTICS

Constelia LED is a new generation of stylish LED park and urban luminaires. It uses directional multi-lens matrices made of PMMA, each lens having dedicated optics, ensuring consistent light characteristics over time. The luminaire's design ensures that the internal chamber remains sealed. As standard, the luminaire offers tool-free access to electrical equipment, which, on request and for protection against vandalism or uncontrolled opening, can be optionally secured with screws. The modular design of the luminaire allows for the replacement of glass panes and easy replacement of one integrated component without the need to dismantle the entire luminaire and make soldered or screwed connections. There is no need to perform maintenance work at the installation site. Simply replace the module with a spare (accessory), close the luminaire and then perform maintenance work at a service location: at the luminaire owner's premises or send it to the manufacturer's service centre. The body and bracket are made of die-cast aluminium, powder-coated in black, and feature a very high IP66 protection rating and IK09 impact resistance.
Available equipment: protection against accidental overheating of the NTC luminaire; fully programmable DALI driver; available functions for maintaining a constant luminous flux during CLO and autonomous 5-step power reduction; connection terminals;tool-free access secured by a knife switch that disconnects the voltage of the integrated module when the chamber is opened.
Additional options: stylised lenses that transform the external appearance of the luminaire, ZHAGA connector (ZhagaBook 18); compatibility with control systems, anti-vandal protection with screws; additional SP10kV protection outside the power supply, on/off power supply without power reduction; design with a cable terminated with a quick connector; painting in any colour from the RAL palette. Certificates: 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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AVAILABLE VERSIONS

Click index >>, to see details

Rated power of the luminaire [W]*	Luminous flux [lm]*	Energy efficiency class	Diffuser material	DIMM DALI	Socket type	Protection type	Dimensions (H/W/T/S) [mm]	DIMM 1-10V	Index
8	1125	C	tempered glass	yes			425/425/827		>> 809101
16	2250	C	tempered glass	yes			425/425/827		>> 809118
24	3200	D	tempered glass	yes		NTC + ESD + SP10kV/10kA	425/425/827		>> 809125
33	4800	C	tempered glass	yes			425/425/827		>> 809132
39	5100	D	tempered glass	yes			425/425/827		>> 809149
47	5900	D	tempered glass	yes			425/425/827		>> 809156
52	6400	D	tempered glass	yes			425/425/827		>> 809163
52	6400	D	tempered glass	yes	ZG-DN		425/425/827		>> 809316
61	8400	C	tempered glass	yes			425/425/827		>> 809170
70	9800	C	tempered glass	yes	ZG-DN	NTC + ESD	425/425/827		>> 809187
76	10150	D	tempered glass	yes			425/425/827		>> 809194

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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

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl

