

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.

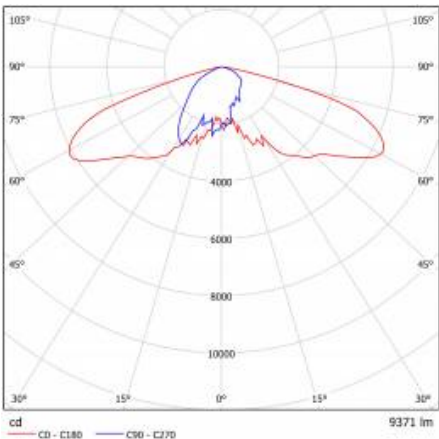
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TECHNICAL PARAMETERS TABLE

Index:	809187	Dimensions (H/W/T/S) [mm]:	425/425/827
EAN:	5905963809187	Mounting dimensions [mm]:	ø76
Category type:	Park and city lighting	Impact resistance:	IK09
Category of application:	parkings and bicycle paths	Ingress protection:	IP66
Light source:	LED module	Mounting version:	top
Rated power of the luminaire [W]:	70	Working temperature [°C]:	from -40 to +50
Luminous flux [lm]:	9800	Version:	ZHAGA
Supply voltage [V]:	220-240	Socket type:	ZG-DN
AC voltage range [V]:	220-240	Sockets:	1
Frequency [Hz]:	50 - 60	DIMM DALI:	yes
Luminous efficacy [lm/W]:	140	Control:	Yes + 5-stage power reduction
Energy efficiency class:	C	Wire type:	HO7 RNF-2x1
Electrical protection class:	II	Cable length [m]:	1.50
Colour temperature [K]:	4000	Protection type:	NTC + ESD
Color rendering index (Ra) >:	70	Number on the palette [pcs]:	8
SDCM:	4	Net weight [kg]:	7
Power factor:	0.98	ETIM class:	EC000062
LED lifespan L90B10 [h]:	100000	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Surge protection [kV]:	10	Warranty [years]:	5 z możliwością przedłużenia do 10
Diffuser material:	tempered glass	CE certificate:	87/2025
Diffuser type:	transparent	ENEC Certificate:	0431/ENEC/25; 0151/ENEC+/25
Optics:	RM7	Zhaga-D4i:	ZG448511062025
Optics material:	PMMA + PC	Environmental Product Declaration (EPD):	683/2024
Material of the body:	powder coated aluminium	Manual:	Download PDF
Colour of the body:	black		

LIGHT CURVES



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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



Constelia LED frosted diffuser (809989)



Constelia LED transparent diffuser (809996)