

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

## LIGHT CURVES

