

# CONSTELIA LED

## GENERAL CARD



### TECHNICAL PARAMETERS

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

### 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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### AVAILABLE VERSIONS

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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]	Index
8	1125	C	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809101</a>
16	2250	C	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809118</a>
24	3200	D	toughened glass	yes		NTC + ESD + SP10kV/10kA	425/425/827	<a href="#">&gt;&gt; 809125</a>
33	4800	C	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809132</a>
39	5100	D	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809149</a>
47	5900	D	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809156</a>
52	6400	D	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809163</a>
52	6400	D	toughened glass	yes	ZG-DN		425/425/827	<a href="#">&gt;&gt; 809316</a>
61	8400	C	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809170</a>
70	9800	C	toughened glass	yes	ZG-DN	NTC + ESD	425/425/827	<a href="#">&gt;&gt; 809187</a>
76	10150	D	toughened glass	yes			425/425/827	<a href="#">&gt;&gt; 809194</a>

