

CONSTELIA LED R

GENERAL CARD



TECHNICAL PARAMETERS

Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	8.00 - 76.00
Luminous flux [lm]*:	975 - 10650
Colour temperature [K]:	2200; 2700; 3000; 5700
Colour rendering index:	>70
Electrical protection class:	II
Optics:	RM7
Colour of the body:	black
Luminous efficacy [lm/W]:	116.00 - 140.00
Energy efficiency class:	C; D
Material of the body:	powder coated aluminium
Diffuser type:	transparent
Diffuser material:	toughened glass
Socket type:	ZG-DN
Optics material:	PMMA + PC

CHARACTERISTICS

Constelia LED R 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]*	Colour temperature [K]	Luminous flux [lm]*	Energy efficiency class	Diffuser material	DIMM 1-10V	DIMM DALI	Socket type	Protection type	Dimensions (H/W/T/S) [mm]	Index
8	2200	975	D	toughened glass		yes			425/425/765	>> 809354
8	3000	1075	D	toughened glass	yes				425/425/765	>> 809200
10	3000	1250	D	toughened glass	yes				425/425/765	>> 809217
10	3000	1250	D	toughened glass	yes				425/425/765	>> 809224
16	3000	2150	D	toughened glass	yes				425/425/765	>> 809231
24	3000	3075	D	toughened glass	yes			NTC + ESD + SP10kV/10kA	425/425/765	>> 809248
33	3000	4600	C	toughened glass	yes				425/425/765	>> 809255
39	3000	4900	D	toughened glass	yes				425/425/765	>> 809262
44	2700	5125	D	toughened glass					425/425/765	>> 809361
44	3000	5350	D	toughened glass	yes				425/425/765	>> 809279
47	3000	5675	D	toughened glass	yes				425/425/765	>> 809286
52	3000	6150	D	toughened glass	yes				425/425/765	>> 809293
61	3000	8075	D	toughened glass	yes				425/425/765	>> 809309
70	3000	9400	D	toughened glass	yes				425/425/765	>> 809323
76	3000	9750	D	toughened glass	yes				425/425/765	>> 809347
76	5700	10650	C	toughened glass		yes	ZG-DN		425/425/765	>> 809378

