

# 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                          |
| Colour rendering index:            | 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

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

