

CONSTELIA LED R 9750LM 730 RM7 IP66 II CL. 2DIM IK09 (76W)

DETAILED CARD



TECHNICAL PARAMETERS

| | |
|---|-------------------------------|
| Index: | 809347 |
| Ingress protection: | IP66 |
| Impact resistance: | IK09 |
| Rated power of the luminaire [W]*: | 76 |
| Luminous flux [lm]*: | 9750 |
| Colour temperature [K]: | 3000 |
| Color rendering index (Ra) >: | 70 |
| Optics: | RM7 |
| Control: | Yes + 5-stage power reduction |

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 SPI10kV 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: | 809347 | Dimensions (H/W/T/S) [mm]: | 425/425/765 |
| Category type: | Park and city lighting | Mounting dimensions [mm]: | ø42 |
| Category of application: | parkings and bicycle paths | Impact resistance: | IK09 |
| Light source: | LED module | Ingress protection: | IP66 |
| Rated power of the luminaire [W]: | 76 | Mounting version: | suspended |
| Luminous flux [lm]: | 9750 | Lateral surface (SCx) [m2]: | 0.08 |
| Supply voltage [V]: | 220-240 | Working temperature [°C]: | from -40 to +50 |
| Luminous efficacy [lm/W]: | 128 | DIMM 1-10V: | yes |
| Energy efficiency class: | D | Control: | Yes + 5-stage power reduction |
| Electrical protection class: | II | Wire type: | HO7 RNF-2x1 |
| Colour temperature [K]: | 3000 | Cable length [m]: | 1.50 |
| Color rendering index (Ra) >: | 70 | Number on the palette [pcs]: | 8 |
| Power factor: | 0.98 | Net weight [kg]: | 7 |
| Surge protection [kV]: | 10 | Warranty [years]: | 5 z możliwością przedłużenia do 10 |
| Diffuser material: | tempered glass | CE certificate: | 88/2025 |
| 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 | ISO Certificates: | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |

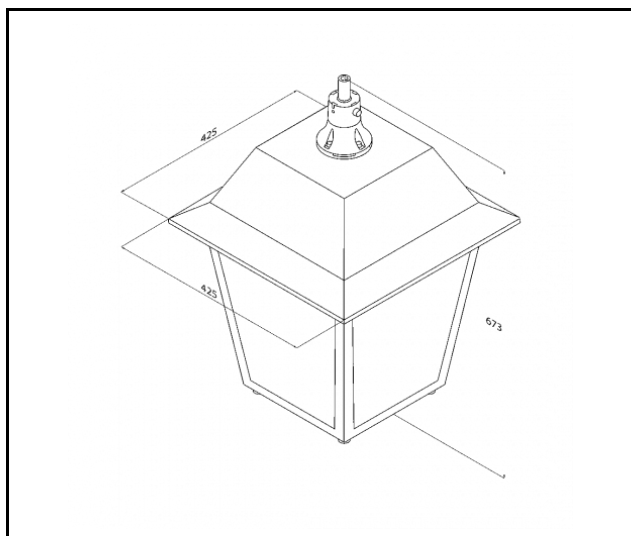
LIGHT CURVES



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TECHNICAL PICTURES



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DETAILED CARD

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)

Card creation date: 09 July 2025

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 88/2025