# CONSTELIA LED 2250LM 740 RM7 IP66 II CL. DALI IK09 (16W)

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 809118 |
| **Ingress protection:** | IP66 |
| **Impact resistance:** | IK09 |
| **Rated power of the luminaire [W]*:** | 16 |
| **Luminous flux [lm]*:** | 2250 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 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.

# CONSTELIA LED 2250LM 740 RM7 IP66 II CL. DALI IK09 (16W)

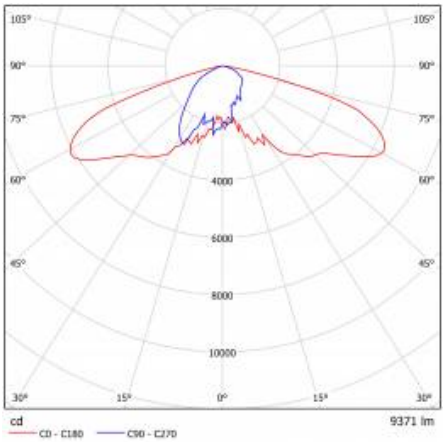
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 809118 |
| **EAN:** | 5905963809118 |
| **Category type:** | Park and city lighting |
| **Category of application:** | parkings and bicycle paths |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 16 |
| **Luminous flux [lm]:** | 2250 |
| **Supply voltage [V]:** | 220-240 |
| **Luminous efficacy [lm/W]:** | 141 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 70 |
| **Power factor:** | 0.95 |
| **Surge protection [kV]:** | 10 |
| **Diffuser material:** | tempered glass |
| **Diffuser type:** | transparent |
| **Optics:** | RM7 |
| **Optics material:** | PMMA + PC |
| **Material of the body:** | powder coated aluminium |
| **Colour of the body:** | black |

| | |
|---|---|
| **Dimensions (H/W/T/S) [mm]:** | 425/425/827 |
| **Mounting dimensions [mm]:** | ø70 |
| **Impact resistance:** | IK09 |
| **Ingress protection:** | IP66 |
| **Mounting version:** | top |
| **Lateral surface (SCx) [m2]:** | 0.08 |
| **Working temperature [°C]:** | from -40 to +50 |
| **DIMM DALI:** | yes |
| **Control:** | Yes + 5-stage power reduction |
| **Wire type:** | HO7 RNF-2x1 |
| **Cable length [m]:** | 1.50 |
| **Number on the palette [pcs]:** | 8 |
| **Net weight [kg]:** | 7 |
| **Warranty [years]:** | 5 z możliwością przedłużenia do 10 |
| **CE certificate:** | 87/2025 |
| **ENEC Certificate:** | 0431/ENEC/25; 0151/ENEC+/25 |
| **Zhaga-D4i:** | ZG448511062025 |
| **Environmental Product Declaration (EPD):** | 683/2024 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |

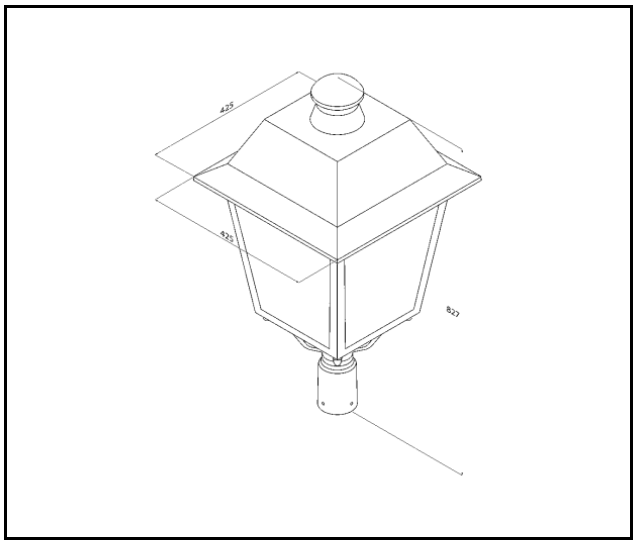
## LIGHT CURVES



# CONSTELIA LED 2250LM 740 RM7 IP66 II CL. DALI IK09 (16W)

DETAILED CARD

**TECHNICAL PICTURES**



# CONSTELIA LED 2250LM 740 RM7 IP66 II CL. DALI IK09 (16W)

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 |
| 703195 | Constelia RAL9005 mounting bracket for flat surfaces |



Constelia LED milky diffuser (809972)



Constelia LED frosted diffuser (809989)



Constelia LED transparent diffuser (809996)



Constelia LED sandblasted diffuser (810992)



Constelia RAL9005 mounting bracket for flat surfaces (703195)



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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 87/2025

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl