

# PRODUCT DATASHEET

## LED ECO STREETLIGHT 90 W 6500 K

LED ECO STREETLIGHT HW | Streetlights



### Areas of application

- Parking
- Gardens
- Residential sector
- Streets
- Road lighting

### Product benefits

- High light uniformity and low glare light thanks to precise lens design
- Easy installation thanks pre-wired with mains cable (50 cm)

### Product features

- Type of protection: IP66
- Impact resistance: IK08
- High luminous efficacy: up to 130 lm/W
- Available with wattage: 90 W, 120 W, 150 W
- Certificate: CB, RoHS



TECHNICAL DATA

Electrical data

|                        |             |
|------------------------|-------------|
| Nominal wattage        | 90.00 W     |
| Nominal voltage        | 100...240 V |
| Mains frequency        | 0/50/60 Hz  |
| Power factor $\lambda$ | > 0.90      |
| Protection class       | I           |

Photometrical data

|                                      |                      |
|--------------------------------------|----------------------|
| Luminous flux                        | 11700 lm             |
| Luminous efficacy                    | 130 lm/W             |
| Color temperature                    | 6500 K               |
| Light color (designation)            | Cool Daylight        |
| Color rendering index Ra             | > 80                 |
| Standard deviation of color matching | < 5 sdc <sub>m</sub> |
| Beam angle                           | 75 ° x 135 °         |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 492.00 mm |
| Width          | 196.00 mm |
| Height         | 87.00 mm  |
| Product weight | 3480.00 g |
| Cable length   | 500 mm    |

LDECO STREET HE 90W 120W

Materials & Colors

|                 |                    |
|-----------------|--------------------|
| Product color   | Gray               |
| Housing color   | Gray               |
| Body material   | Aluminum           |
| Cover material  | Polycarbonate (PC) |
| Mercury content | 0.0 mg             |

Application & Mounting

|                                        |              |
|----------------------------------------|--------------|
| Ambient temperature range              | -30...+50 °C |
| Temperature range at storage           | -40...+70 °C |
| Type of protection                     | IP66         |
| Protection class IK (shock resistance) | IK08         |
| Dimmable                               | No           |
| Mounting type                          | Side entry   |
| Mounting location                      | Pole         |
| Application environment                | Outdoor      |
| Replaceable light source               | No           |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Number of switching cycles | 100000                |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Standards                        | CE              |
| Replaceable light source (EPREL) | Not replaceable |

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                 |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|
|  | User instruction / safety instructions | LDECO STREET HE 90W 120W 150W |
| Photometric and lighting design files                                               |                                        | Document name                 |
|  | IES file (IES)                         | ECO STREETLIGHT 90W 6500K     |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075558168 | Folding box<br>1             | 582 mm x 128 mm x 253 mm             | 3853.00 g    | 18.85 dm³ |
| 4058075558175 | Shipping box<br>4            | 596 mm x 524 mm x 267 mm             | 16810.00 g   | 83.39 dm³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.