# PRODUCT DATASHEET
# HQL LED 5400 lm 46 W/2700 K E27

## HQL LED | LED replacement for HID lamps for outdoor application




### AREAS OF APPLICATION

- Streets
- Area lighting
- Pedestrian zones
- Parks
- Industry
- Outdoor applications only in suitable luminaires

### PRODUCT BENEFITS

- Saves up to 78 % energy when used as replacement for mercury vapor lamps (HQL)
- Effective thermal management for wide operating temperature range
- Low maintenance costs thanks to long lifetime
- Instant 100 % light, no warm-up time

### PRODUCT FEATURES

- LED alternative for applications requiring a high luminous flux
- Power factor: 0.9
- Type of protection: IP65
- High surge protection: up to 4 kV (L-N)
- Replacement for HQL: Suitable for operation with conventional control gear for HQL
- Replacement for other HID: Suitable for operation with line voltage without control gear




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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| **Rated wattage** | 46.00 W |
| **Nominal wattage** | 46.00 W |
| **Nominal voltage** | 220…240 V |
| **Operating frequency** | 50…60 Hz |
| **Power factor λ** | > 0.90 |

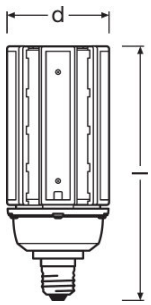
### Photometrical data

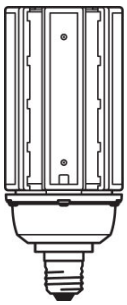
| | |
|---|---|
| **Nominal luminous flux** | 5400 lm |
| **Rated luminous flux** | 5400 lm |
| **Rated color temperature** | 2700 K |
| **Lumen main.fact.at end of nom.life time** | 0.70 |
| **Light color (designation)** | Warm White |
| **Color temperature** | 2700 K |
| **Luminous flux** | 5400 lm |
| **Color rendering index Ra** | ≥80 |
| **Standard deviation of color matching** | ≤6 sdcm |
| **Color rendering index Ra** | ≥80 |

### Light technical data

| | |
|---|---|
| **Warm-up time (60 %)** | < 0.50 s |
| **Starting time** | < 0.5 s |

### Dimensions & weight



| | |
|---|---|
| **Overall length** | 195.0 mm |
| **Diameter** | 80.0 mm |
| **Outer bulb** | - |
| **Length** | 195.0 mm |


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## Temperatures & operating conditions

| | |
|---|---|
| **Maximum temperature at tc test point** | 98 °C |

## Lifespan

| | |
|---|---|
| **Nominal lamp life time** | 50000 h |
| **Rated lamp life time** | 50000 h |
| **Number of switching cycles** | 100000 |
| **Lumen maintenance at end of service life** | 0.70 |

## Additional product data

| | |
|---|---|
| **Base (standard designation)** | E27 |
| **Mercury content** | 0.0 mg |
| **Mercury-free** | Yes |
| **Design / version** | Clear |
| **Show WEEE picto** | Yes |

## Capabilities

| | |
|---|---|
| **Dimmable** | No |

## Certificates & standards

| | |
|---|---|
| **Energy efficiency class** | A+ |
| **Energy efficiency class** | A+ |
| **Energy consumption** | 46 kWh/1000h |

## Country-specific categorizations

| | |
|---|---|
| **Order reference** | HQLLED5400 46W/ |

## SAFETY ADVICE

The bulb may be larger and heavier than the replaced bulb. Before installation it must be checked, if the luminaire and especially the holder is capable of carrying the weight of the lamp.
Not suitable for operation with ignitors
Operation on the capacitor can lead to a reduction of the power factor of the system.

## LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4058075124868 | HQL LED 5400 lm 46 W/2700 K E27 | Shipping carton box 6 | 302 mm x 206 mm x 250 mm | 15.55 $dm^3$ | 4766.00 g |

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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