

Product datasheet

HQL LED 6000 lm 46 W/840 E27

HQL LED | Special LED lamps



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

- 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 or IP60 (depending on version) High surge protection: up to 4 kV (L-N) Suitable for operation with conventional control gear and/or line voltage (depending on version)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 timeAreas of application Streets Area lighting Pedestrian zones Parks Industry Outdoor applications only in suitable luminairesSafety adviceThe 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



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
Nominal current	0.2 A
Claimed equiv. conventional lamp power	125 W

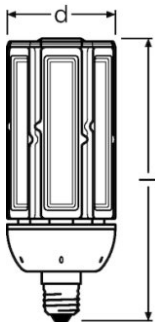
Photometrical data

Nominal luminous flux	6000 lm
Rated luminous flux	6000 lm
Rated color temperature	4000 K
Color rendering index Ra	≥ 80
Light color (designation)	Cool White
Standard deviation of color matching	≤ 6 sdc _m
Color temperature	4000 K
Luminous flux	6000 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Warm-up time (60 %)	< 0.50 s
Beam angle	360.00 °
Starting time	< 0.5 s

Dimensions & weight



Overall length	204.0 mm
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Diameter	80.0 mm
Outer bulb	-
Product weight	680.00 g
Length	204.0 mm

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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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
Appropriate disposal acc. to WEEE	Yes
Successor EAN	4058075124943

Capabilities

Dimmable	No
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Certificates & standards

Type of protection	IP65
Energy efficiency class	A++
Energy consumption	46 kWh/1000h

Country specific categorizations

Order reference	HQLLED6000 46W/
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4058075037366
Declaration No. in SCIP database	In work

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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075037366	HQL LED 6000 lm 46 W/840 E27	Shipping carton box 6 Pieces Folding carton box	304 mm x 206 mm x 256 mm	16.03 dm ³	5006.00 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.

Disclaimer

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

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