

Product datasheet

HQL LED 3000 lm 23 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	23.00 W
Nominal wattage	23.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Power factor λ	> 0.90
Claimed equiv. conventional lamp power	50 W

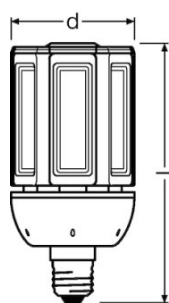
Photometrical data

Nominal luminous flux	3000 lm
Rated luminous flux	3000 lm
Rated color temperature	4000 K
Color rendering index Ra	≥ 80
Light color (designation)	Cool White
Standard deviation of color matching	≤ 6 sdcn
Lumen main.fact.at end of nom.life time	0.70

Light technical data

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

Dimensions & weight



Overall length	152.0 mm
Diameter	75.0 mm
Outer bulb	-
Product weight	415.00 g
Length	152.0 mm

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Temperatures & operating conditions

Ambient temperature range	-20...+60 °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

Capabilities

Dimmable	No
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Certificates & standards

Type of protection	IP65
Energy efficiency class	A++
Energy consumption	23 kWh/1000h

Country specific categorizations

Order reference	HQLLED3000 23W/
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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075037045	HQL LED 3000 lm 23 W/840 E27	Shipping carton box 6 Pieces Folding carton box	288 mm x 196 mm x 200 mm	11.29 dm ³	3012.00 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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