PRODUCT DATASHEET
HQL LED 4000 lm 30 W/4000K E27

HQL LED PRO | 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

- 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
- 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)



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TECHNICAL DATA

Electrical data

Rated wattage	30.00 W
Nominal wattage	30.00 W
Nominal voltage	220...240 V
Max. lamp no. on circuit break. 10 A (B)	42
Max. lamp no. on circuit break. B10 A - CCG without compensation	42
Max. lamp no. on circuit break. B16 A - CCG without compensation	68
Max. lamp no. on circuit break. 16 A (B)	68
Operating frequency	50/60 Hz
Inrush current	3.60 A
Power factor λ	0.90

Photometrical data

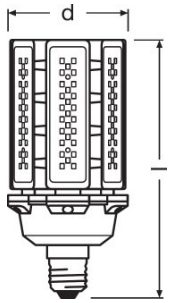
Nominal luminous flux	4000 lm
Rated luminous flux	4000 lm
Rated color temperature	4000 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	4000 lm
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
Color rendering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

Light technical data

Warm-up time (60 %)	< 0.50 s
Beam angle	360 °
Starting time	< 0.5 s

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Dimensions & weight



Overall length	170.0 mm
Diameter	75.0 mm
Outer bulb	-
Length	170.0 mm

Temperatures & operating conditions

Ambient temperature range	-20…+60 °C
Maximum temperature at tc test point	92 °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

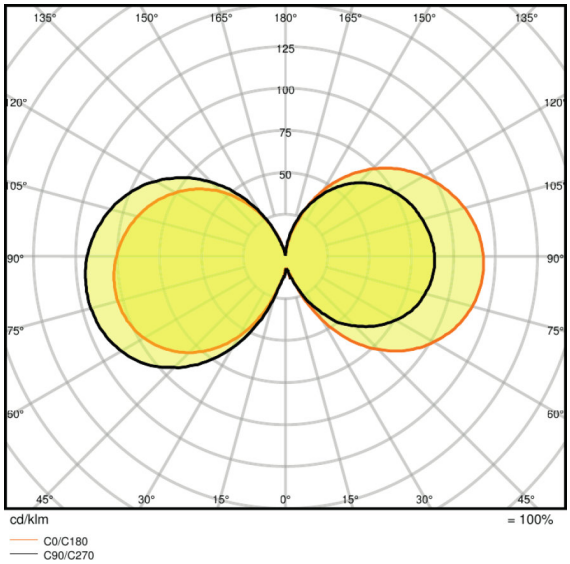
Photobiological safety group EN62778	RG1
Energy efficiency class	A++
Energy consumption	30 kWh/1000h

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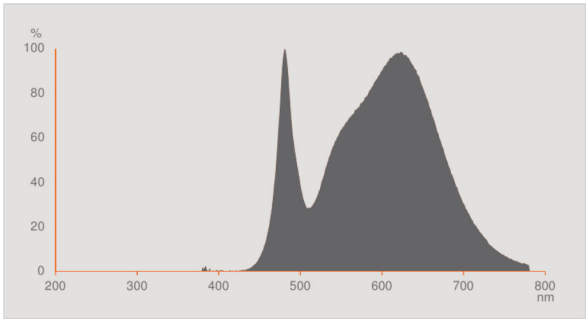
Country-specific categorizations

Order reference	HQLLED4000 30W/

Light Distribution



LDC typ polar



Spectral power distribution

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	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075124820	Folding carton box 1	82 mm x 82 mm x 201 mm	543.00 g	1.35 dm³
4058075124837	Shipping carton box 6	255 mm x 175 mm x 226 mm	3514.00 g	10.09 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.

DISCLAIMER

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