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# Product datasheet

## HQL LED PRO 140 W/840 E40

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



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

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



Technical data

Electrical data

Rated wattage	140.00 W
Nominal wattage	140.00 W
Nominal voltage	110 V
Operating frequency	50 Hz
Max. lamp no. on circuit break. 10 A (B)	11
Max. lamp no. on circuit break. 16 A (B)	18
Nominal current	3.6 A
Claimed equiv. conventional lamp power	400 W

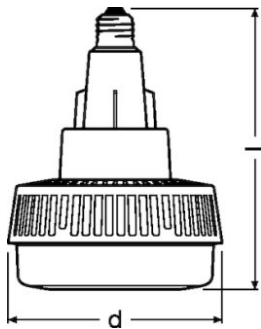
Photometrical data

Nominal luminous flux	20000 lm
Rated luminous flux	20000 lm
Rated color temperature	4000 K
Color rendering index Ra	≥80
Light color (designation)	Cool White
Standard deviation of color matching	≤6 sdcn
Color temperature	4000 K
Luminous flux	20000 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	120 °
Starting time	< 0.5 s

Dimensions & weight



Overall length	307.0 mm
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Diameter	230.0 mm
Outer bulb	-
Product weight	1150.00 g
Length	307.0 mm

Temperatures & operating conditions

Ambient temperature range	-20...+50 °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)	E40
Mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	Yes

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A+
Energy consumption	140 kWh/1000h
Type of protection	IP40

Country specific categorizations

Order reference	HQILEDH20000 14
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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	4058075284746
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.

## Disclaimer

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

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