PRODUCT DATASHEET
HQI HIGHBAY 250 120 ° 95 W/4000 K E40

HQI LED HIGHBAY | LED replacement for HID lamps for high-bay luminaires

Areas of application

- LED alternative for applications requiring a high luminous flux
- Industrial and storage facilities
- Outdoor applications only in suitable luminaires

Product benefits

- Direct replacement for traditional HQI and NAV lamps thanks to CCG and ignitor compatibility
- Energy savings of up to 68 % when replacing traditional HQI lamps
- Effective thermal management for wide operating temperature range
- Low maintenance costs thanks to long lifetime
- Instant 100 % light, no warm-up time

Product features

- Type of protection: IP40
- High surge protection: up to 4 kV (L-N)

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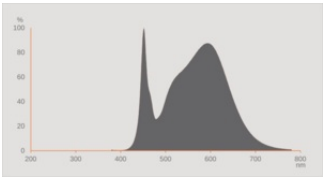
TECHNICAL DATA

Electrical data

Nominal wattage	95 W
Construction wattage	95.00 W
Nominal voltage	110 V
Operating mode	Conventional control gear (CCG), Conventional control gear (CCG) and ignitor
Claimed equiv. conventional lamp power	250 W
Nominal current	2.3 A
Type of current	AC
Inrush current	≤75 A
Operating frequency	50 Hz
Mains frequency	50 Hz
Max. lamp no. on circuit break. 10 A (B)	15
Max. lamp no. on circuit break. 16 A (B)	24
Total harmonic distortion	< 80 %
Power factor λ	0.70

Photometrical data

Luminous flux	13000 lm
Nominal useful luminous flux 90°	13000 lm
Luminous efficacy	136 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80



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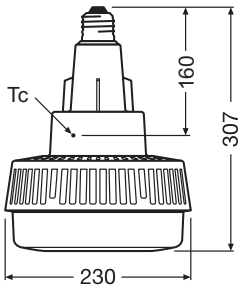
Light technical data

Beam angle	120 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	310.00 mm
Diameter	230.00 mm
Maximum diameter	230 mm
Product weight	1100.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	65 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	E40
Mercury content	0.0 mg

Capabilities

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Certificates & Standards

Energy efficiency class	E
Energy consumption	105.00 kWh/1000h
Type of protection	IP40
Standards	CE
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	HQILEDH13000 95

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	E40
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	310.00 mm
Height	230.00 mm
Width	230.00 mm
Chromaticity coordinate x	0.381
Chromaticity coordinate y	0.379
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	567215
Model number	AC35215

EQUIPMENT / ACCESSORIES

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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.
- Safety sling has to be installed.
- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.
- Only suitable for temperatures of up to 50°C inside of the luminaire.
- Not suitable for operation with 230 V line voltage or electronic control gear.

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction

	Photometric and lighting design files
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075612631	Folding box 1	247 mm x 247 mm x 333 mm	1321.00 g	20.32 dm^3
4058075612648	Shipping box 4	515 mm x 515 mm x 355 mm	5961.00 g	94.15 dm^3

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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