

Product family datasheet

HQL LED PRO

Special LED lamps



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

- 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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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

Areas of application

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

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Technical data

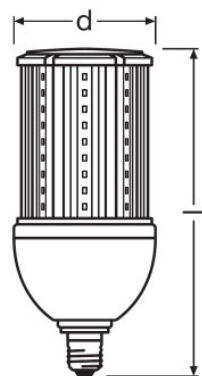
Product description	Electrical data		Photometrical data			Light technical data	Dimensions & weight
	Nominal wattage	Nominal voltage	Nominal luminous flux	Rated color temperature	Light color (designation)	Starting time	Overall length
HQL LED PRO 23 W/840 E27 ¹⁾	23.00 W	220...240 V	3000 lm	4000 K	Cool White	< 0.5 s	145.0 mm
HQL LED PRO 95 W/840 E40 ¹⁾	95.00 W	110 V	13000 lm	4000 K	Cool White	< 0.5 s	307.0 mm
HQL LED PRO 140 W/840 E40 ¹⁾	140.00 W	110 V	20000 lm	4000 K	Cool White	< 0.5 s	307.0 mm
HQL LED PRO 95 W/840 E40 ¹⁾	95.00 W	220...240 V	13000 lm	4000 K	Cool White	< 0.5 s	280.0 mm
HQL LED PRO 140 W/840 E40 ¹⁾	140.00 W	220...240 V	20000 lm	4000 K	Cool White	< 0.5 s	310.0 mm

Product description	Lifespan				Additional product data	Capabilities	Certificates & standards
	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of service life	Base (standard designation)	Dimmable	Energy efficiency class
HQL LED PRO 23 W/840 E27 ¹⁾	50000 h	50000 h	100000	0.70	E27	No	A++
HQL LED PRO 95 W/840 E40 ¹⁾	50000 h	50000 h	100000	0.70	E40	No	A+
HQL LED PRO 140 W/840 E40 ¹⁾	50000 h	50000 h	100000	0.70	E40	No	A+
HQL LED PRO 95 W/840 E40 ¹⁾	50000 h	50000 h	100000	0.70	E40	No	A++
HQL LED PRO 140 W/840 E40 ¹⁾	50000 h	50000 h	100000	0.70	E40	No	A++

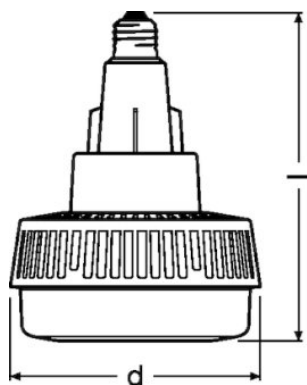
Product description	Energy consumption	Country specific categorizations
		Order reference
HQL LED PRO 23 W/840 E27 ¹⁾	23 kWh/1000h	HQLLED3000 23W/
HQL LED PRO 95 W/840 E40 ¹⁾	95 kWh/1000h	HQILEDH13000 95
HQL LED PRO 140 W/840 E40 ¹⁾	140 kWh/1000h	HQILEDH20000 14
HQL LED PRO 95 W/840 E40 ¹⁾	95 kWh/1000h	HQLEDHB13000 95
HQL LED PRO 140 W/840 E40 ¹⁾	140 kWh/1000h	HQLEDHB20000 14

¹⁾ All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

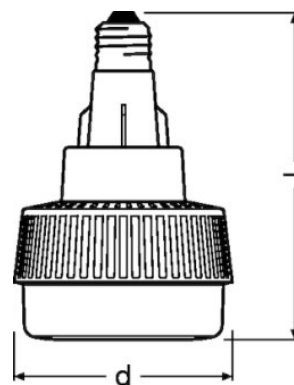
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HQL LED PRO 23 W/840 E27



HQL LED PRO 95 W/840 E40, HQL LED PRO 140 W/840 E40, HQL LED PRO 140 W/840 E40



HQL LED PRO 95 W/840 E40

Application advice

For more detailed application information and graphics please see product datasheet.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075124783	HQL LED PRO 23 W/840 E27	Shipping carton box 6	266 mm x 183 mm x 209 mm	10.17 dm ³	3057.00 g
4058075284722	HQL LED PRO 95 W/840 E40	Shipping carton box 4	515 mm x 515 mm x 355 mm	94.15 dm ³	5961.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075284746	HQL LED PRO 140 W/840 E40	Shipping carton box 4	515 mm x 515 mm x 355 mm	94.15 dm ³	6161.00 g
4058075135864	HQL LED PRO 95 W/840 E40	Shipping carton box 4	420 mm x 420 mm x 315 mm	55.57 dm ³	4435.00 g
4058075135888	HQL LED PRO 140 W/840 E40	Shipping carton box 4	515 mm x 515 mm x 355 mm	94.15 dm ³	6601.00 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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