

## PRODUCT DATASHEET

### HQL 80 W E27

HQL® | Mercury vapor lamps for open and enclosed luminaires



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#### Areas of application

- Factories and workshops
- Industrial installations
- Streets
- Car parks, courtyards
- Pedestrian zones, public squares
- Parks and gardens
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires



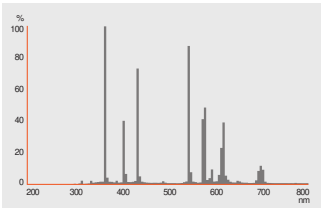
TECHNICAL DATA

Electrical data

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Nominal wattage        | 80 W                                            |
| Construction wattage   | 80.00 W                                         |
| Nominal voltage        | 115 V                                           |
| Ignition voltage       | 0.198 kVp                                       |
| Operating mode         | Conventional control gear (CCG) without ignitor |
| Nominal current        | 800 mA                                          |
| PFC capacitor at 50 Hz | 8 µF                                            |

Photometrical data

|                                    |         |
|------------------------------------|---------|
| Luminous flux                      | 3800 lm |
| Luminous efficacy                  | 48 lm/W |
| Color temperature                  | 4100 K  |
| Color rendering index Ra           | 50      |
| Light color                        | 541     |
| Rated LLMF at 2,000 h              | 0.88    |
| Rated LLMF at 4,000 h              | 0.83    |
| Rated LLMF at 6,000 h              | 0.78    |
| Rated LLMF at 8,000 h              | 0.75    |
| Rated LLMF at 12,000 h             | 0.70    |
| Rated LLMF at 16,000 h             | 0.65    |
| Rated lamp efficacy (standard co.) | 48 lm/W |
| UV protection                      | No      |



384080\_HQL

Dimensions & Weight

|                |           |
|----------------|-----------|
| Overall length | 155.00 mm |
| Diameter       | 71 mm     |
| Product weight | 56.00 g   |

### Temperatures & operating conditions

|                                          |        |
|------------------------------------------|--------|
| Maximum permitted outer bulb temperature | 310 °C |
| Maximum permitted base edge temperature  | 210 °C |

### Lifespan

|                                        |         |
|----------------------------------------|---------|
| Rated lamp survival factor at 2,000 h  | 0.99    |
| Rated lamp survival factor at 4,000 h  | 0.97    |
| Rated lamp survival factor at 6,000 h  | 0.95    |
| Rated lamp survival factor at 8,000 h  | 0.90    |
| Rated lamp survival factor at 12,000 h | 0.75    |
| Rated lamp survival factor at 16,000   | 0.68    |
| Rated lamp survival factor at 20,000 h | 0.60    |
| Lifespan B10                           | 8000 h  |
| Lifespan B5                            | 6000 h  |
| Lifespan B50                           | 24000 h |
| Operation mode LLMF/LSF                | 50 Hz   |

### Additional product data

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| Base (standard designation) | E27                                                        |
| Mercury content             | 14.6 mg                                                    |
| Mercury-free                | No                                                         |
| Design / version            | Coated                                                     |
| Product remark              | As of April 2015 not compliant with ErP directive 245/2009 |

### Capabilities

|                             |     |
|-----------------------------|-----|
| Dimmable                    | No  |
| Burning position            | Any |
| Enclosed luminaire required | No  |

### Certificates & Standards

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | B               |
| Energy consumption      | 88.00 kWh/1000h |

### Country-specific categorizations

|                 |                          |
|-----------------|--------------------------|
| ILCOS           | QE/R-80-H/E/S-E27-71/155 |
| Order reference | HQL 80W E27              |

## Energy labelling regulation data acc EU 2019/2015

|                                                     |           |
|-----------------------------------------------------|-----------|
| Light source cap-type (or other electric interface) | E27       |
| Length                                              | 155.00 mm |
| Height                                              | 71 mm     |
| Width                                               | 71 mm     |

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name                                          |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------|
|  | User instruction / safety instructions | High-Intensity-Discharge lamps. Operation instructions |
| Photometric and lighting design files                                            |                                        | Document name                                          |
|  | Spectral power distribution            | 384080_HQL                                             |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300012360 | Round wrap<br>1              | 165 mm x 75 mm x 75 mm               | 71.00 g      | 0.93 dm <sup>3</sup>  |
| 4050300213200 | Shipping box<br>40           | 424 mm x 355 mm x 356 mm             | 3742.57 g    | 53.59 dm <sup>3</sup> |

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.