

# PRODUCT DATASHEET

## HWL 160 W 220...230 V E27

HWL | Mercury mixed-light lamps for open and enclosed luminaires



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### AREAS OF APPLICATION

- Factory and hall lighting with low-cost installations
- Upgrading light fittings with high-wattage incandescent lamps
- Factories and workshops
- Pedestrian zones, public squares
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- HWL lamps can be used instead of incandescent lamps because they do not need either control gear or igniters



**TECHNICAL DATA**

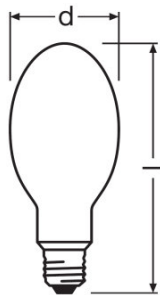
Electrical data

|                         |             |
|-------------------------|-------------|
| <b>Rated wattage</b>    | 175.00 W    |
| <b>Lamp current</b>     | 0.81 A      |
| <b>Nominal wattage</b>  | 160.00 W    |
| <b>Nominal voltage</b>  | 220...230 V |
| <b>Ignition voltage</b> | 0.198 kVp   |

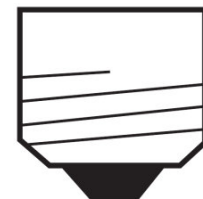
Photometrical data

|   |         |
|---|---------|
| <b>Rated lamp efficacy (standard condition)</b> | 18 lm/W |
| <b>Rated luminous flux</b>                      | 3100 lm |
| <b>Color temperature</b>                        | 3500 K  |
| <b>Rated LLMF at 2,000 h</b>                    | 0.93    |
| <b>Rated LLMF at 4,000 h</b>                    | 0.90    |
| <b>Rated LLMF at 6,000 h</b>                    | 0.87    |
| <b>Rated LLMF at 8,000 h</b>                    | 0.85    |
| <b>Luminous flux</b>                            | 3100 lm |
| <b>Color rendering index Ra</b>                 | 62      |

Dimensions & weight



E27  
IEC 7004-21



|                       |          |
|-----------------------|----------|
| <b>Diameter</b>       | 76.0 mm  |
| <b>Length</b>         | 168.0 mm |
| <b>Product weight</b> | 65.00 g  |

Temperatures & operating conditions

|   |        |
|---|--------|
| <b>Maximum permitted outer bulb temperature</b> | 310 °C |
| <b>Maximum permitted base edge temperature</b>  | 210 °C |

Lifespan

|                                       |         |
|---------------------------------------|---------|
| Rated lamp survival factor at 2,000 h | 0.99    |
| Rated lamp survival factor at 4,000 h | 0.94    |
| Rated lamp survival factor at 6,000 h | 0.86    |
| Rated lamp survival factor at 8,000 h | 0.75    |
| Lifespan B50                          | 10000 h |
| Operation mode LLMF/LSF               | 50 Hz   |

Additional product data

|                             |  |
|-----------------------------|--|
| Base (standard designation) | E27  |
| Product remark              | No control gear and no igniter required/Phased out in the EU as non ErP compliant according to EU directive 245/2009 |
| Design / version            | Coated   |
| Mercury content             | 16.2 mg  |

Capabilities

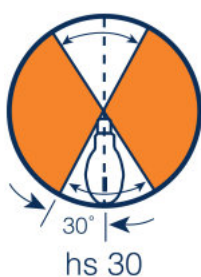
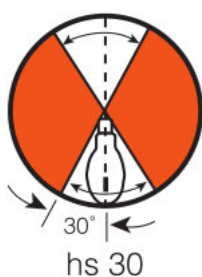
|                             |      |
|-----------------------------|------|
| Dimmable                    | No   |
| Burning position            | hs30 |
| Enclosed luminaire required | No   |

Certificates & standards

|                         |               |
|-------------------------|---------------|
| Energy efficiency class | D             |
| Energy consumption      | 193 kWh/1000h |

Country-specific categorizations

|       |                          |
|-------|--------------------------|
| ILCOS | QB/R-160-E225-E27-76/168 |
|-------|--------------------------|



LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300015453 | Round wrap<br>1              | 180 mm x 80 mm x 80 mm               | 79.90 g      | 1.15 dm <sup>3</sup>  |
| 4050300216478 | Shipping carton box<br>40    | 445 mm x 365 mm x 385 mm             | 4066.00 g    | 62.53 dm <sup>3</sup> |

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|               |                           |                          |           |                       |
|---------------|---------------------------|--------------------------|-----------|-----------------------|
| 4052899375321 | Round wrap<br>1           | 80 mm x 80 mm x 180 mm   | 78.00 g   | 1.15 dm <sup>3</sup>  |
| 4052899375338 | Shipping carton box<br>40 | 398 mm x 318 mm x 385 mm | 4020.00 g | 48.73 dm <sup>3</sup> |

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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.

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#### DISCLAIMER

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