

## PRODUCT DATASHEET

### HQI-BT 400 W/N/SI

POWERSTAR HQI®-T | Metal halide lamps with quartz technology for enclosed luminaires



#### Areas of application

- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

#### Product benefits

- E40 screw base for simple lamp handling
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

#### Product features

- POWERSTAR® quartz technology
- Light colors: neutral white (N), daylight (D)

## TECHNICAL DATA

### Electrical data

|                        |          |
|------------------------|----------|
| Nominal wattage        | 400 W    |
| Construction wattage   | 392.60 W |
| Nominal voltage        | 220 V    |
| Nominal current        | 3250 mA  |
| PFC capacitor at 50 Hz | 45 µF    |

### Photometrical data

|                                    |          |
|------------------------------------|----------|
| Luminous flux                      | 33700 lm |
| Luminous efficacy                  | 82 lm/W  |
| Color temperature                  | 4000 K   |
| Color rendering index Ra           | 66       |
| Light color                        | 640      |
| Rated LLMF at 2,000 h              | 0.77     |
| Rated LLMF at 4,000 h              | 0.70     |
| Rated LLMF at 6,000 h              | 0.60     |
| Rated LLMF at 8,000 h              | 0.56     |
| Rated lamp efficacy (standard co.) | 100 lm/W |

### Dimensions & Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 285.00 mm |
| Light center length (LCL) | 160,0 mm  |
| Diameter                  | 67.00 mm  |
| Product weight            | 200.00 g  |

### Temperatures & operating conditions

|                                          |        |
|------------------------------------------|--------|
| Maximum permitted outer bulb temperature | 400 °C |
| Maximum permitted base edge temperature  | 250 °C |

### Lifespan

|                                       |        |
|---------------------------------------|--------|
| Rated lamp survival factor at 2,000 h | 0.99   |
| Rated lamp survival factor at 4,000 h | 0.98   |
| Rated lamp survival factor at 6,000 h | 0.95   |
| Rated lamp survival factor at 8,000 h | 0.90   |
| Lifespan B50                          | 9000 h |
| Operation mode LLMF/LSF               | 50 Hz  |

### Additional product data

|                             |         |
|-----------------------------|---------|
| Base (standard designation) | E40     |
| Mercury content             | 60.7 mg |
| Mercury-free                | No      |
| Design / version            | Clear   |

### Capabilities

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

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | HQI-BT 400W/N/S |
|-----------------|-----------------|

### Energy labelling regulation data acc EU 2019/2015

|                                                     |           |
|-----------------------------------------------------|-----------|
| Light source cap-type (or other electric interface) | E40       |
| Length                                              | 285.00 mm |
| Height                                              | 67.00 mm  |
| Width                                               | 67.00 mm  |

### Safety advice

- Disconnect mains before installation.
- Must not be used if outer bulb is defective.
- Lamp to be used only in a closed luminaire.

### DOWNLOAD DATA

| Documents and certificates                                                                                                | Document name                                          |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
|  User instruction / safety instructions | High-Intensity-Discharge lamps. Operation instructions |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4008321278425 | 1                            | 63 mm x 63 mm x 325 mm               | 238.00 g     | 1.29 dm <sup>3</sup>  |
| 4008321278432 | Shipping box<br>12           | 314 mm x 246 mm x 359 mm             | 3451.00 g    | 27.73 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

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