

## PRODUCT DATASHEET

### LED ECO Hi-Watt 120 20 W/3000 K E27

LED ECO HIGH WATT | T shape bulb



#### Areas of application

- Especially suitable for the food sector
- Warehouses
- Supermarkets and department stores
- Suitable for indoor applications.

#### Product benefits

- Energy savings of up to 85 % (compared to traditional incandescent lamps)
- Wide beam angle: 200°
- Instant 100 % light, no warm-up time
- No UV and near-IR radiation in the light beam

#### Product features

- Lifetime: up to 12,000 h
- Good color rendering index  $R_{a} \geq 80$
- Overtemperature protection
- Surge protection: up to 2,000 V
- Luminous efficacy: up to 100 lm/W
- Mercury-free lamps
- Minimum start voltage at 180 VAC



TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 20 W        |
| Construction wattage                   | 20.00 W     |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 120 W       |
| Nominal current                        | 160 mA      |
| Type of current                        | AC          |
| Operating frequency                    | 50 Hz       |
| Mains frequency                        | 50 Hz       |
| Power factor $\lambda$                 | 0.50        |

Photometrical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Luminous flux                           | 1800 lm             |
| Nominal useful luminous flux 90°        | 1800 lm             |
| Luminous efficacy                       | 90 lm/W             |
| Lumen main.fact.at end of nom.life time | 0.70                |
| Light color (designation)               | Warm White          |
| Color temperature                       | 3000 K              |
| Color rendering index Ra                | ≥80                 |
| Light color                             | 830                 |
| Standard deviation of color matching    | ≤6 sdc <sub>m</sub> |

Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 180 °   |
| Starting time | < 0.5 s |

Dimensions & Weight

|                  |           |
|------------------|-----------|
| Overall length   | 135.00 mm |
| Diameter         | 80.00 mm  |
| Maximum diameter | 80 mm     |

|                |         |
|----------------|---------|
| Product weight | 65.00 g |
|----------------|---------|

Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

Lifespan

|                            |        |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

Additional product data

|                             |        |
|-----------------------------|--------|
| Base (standard designation) | E27    |
| Mercury content             | 0.0 mg |
| Mercury-free                | Yes    |

Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & Standards

|           |           |
|-----------|-----------|
| Standards | CB / RoHS |
|-----------|-----------|

Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LE HW 20W/830 2 |
|-----------------|-----------------|

LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

Energy labelling regulation data acc EU 2019/2015

|                                                     |           |
|-----------------------------------------------------|-----------|
| Light source cap-type (or other electric interface) | E27       |
| Length                                              | 135.00 mm |
| Height                                              | 80.00 mm  |
| Width                                               | 80.00 mm  |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075683051 | Folding box<br>1             | 81 mm x 81 mm x 148 mm               | 100.00 g     | 0.97 dm³  |
| 4058075683068 | Shipping box<br>10           | 421 mm x 178 mm x 175 mm             | 1329.00 g    | 13.11 dm³ |

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.