

## 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



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## 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
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Temperatures & operating conditions

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

Number of switching cycles	100000
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Additional product data

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

Capabilities

Dimmable	No
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Certificates & Standards

Standards	CB / RoHS
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Country-specific categorizations

Order reference	LE HW 20W/830 2
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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 1	81 mm x 81 mm x 148 mm	100.00 g	0.97 dm <sup>3</sup>
4058075683068	Shipping box 10	421 mm x 178 mm x 175 mm	1329.00 g	13.11 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.

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## DISCLAIMER

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