

# PRODUCT DATASHEET

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

### LED ECO HIGH WATT | T shape bulb

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#### Areas of application

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

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#### 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

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#### 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	$\geq 80$
Light color	830
Standard deviation of color matching	$\leq 6$ sdc

### 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

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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

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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.

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