

# PRODUCT DATASHEET LED Star Grow Lamp T 80 20W Clear E27

LED STAR GROW T LAMP | LED Grow Lamp for Indoor Plant Growth with 3 Light Spectrum Options



#### Areas of application

- Indoor applications: living area, green house or winter garden
- Outdoor use in outdoor luminaires only (minimum IP65)

## Product benefits

- Special color spectrum which promotes growth of plants
- Adjustable for 3 different stages of flower and vegetable growth: Seeding, Growing, and Flowering
- Reduced green and yellow light to a level that plants can absorb, decreasing unnecessary energy consumption.

## **Product features**

- LED grow light bulb
- Offering 3 different light spectrum options, adjustable via the integrated switch



# TECHNICAL DATA

# Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Nominal current	160 mA
Type of current	AC
Inrush current	7.9 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	20
Max. lamp number on MCB B16 A	26
Total harmonic distortion	138 %
Power factor $\lambda$	0.54

## Photometrical data

Luminous flux	650 lm
Luminous efficacy	32 lm/W
Lumen main.fact.at end of nom.life time	0.96
Color rendering index Ra	80
Light color	8
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4

# Light technical data

Beam angle	110°
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

# Dimensions & Weight



Overall length  Diameter  Maximum diameter	118.00 mm 80.00 mm
	80 00 mm
Maximum diameter	00.00
	80 mm
Product weight	83.00 g
emperatures & operating conditions	
Ambient temperature range	-20+40 °C
fespan	
Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96
dditional product data	
Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
apabilities	
Dimmable	No
ertificates & Standards	
Energy consumption	20.00 kWh/1000h
Type of protection	IP20
Standards	LVD / EMC / RoHS / REACH
Photobiological safety group acc. to EN62778	RG1
ountry-specific categorizations	
Order reference	LEDS T80GROW 20
OGISTICAL DATA	
Temperature range at storage	-20+80 °C
nergy labelling regulation data acc EU 2019/2015	
Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
	E27

Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Standby power	No
Networked standby power for CLS	No
Claim of equivalent power	No
Length	118.00 mm
Height	80.00 mm
Width	80.00 mm
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.914
LED light source replaces a fluorescent light source	No

# Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

## DOWNLOAD DATA

Documents and certificates		Document name	
PDF	On-Pack-Info	ELR - exempt lamps	
PDF	Declarations of conformity	Grow lamps Classic T	
PDF	Declarations of conformity UKCA	Grow lamp Classic T	

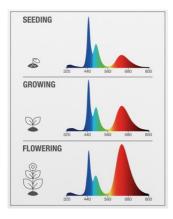
# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075845800	Folding box	81 mm x 81 mm x 170 mm	117.00 g	1.12 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075845817	Shipping box	265 mm x 180 mm x 137 mm	928.00 g	6.53 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.

## ADDITIONAL CATALOG INFORMATION



## References / Links

- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

## **DISCLAIMER**

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