90cm 13W T8 LED Tube 1690Lm High Efficiency

Product codes:

Reference: TB90MAX



Product features:

Power (W): 13
Power source (V): 175-260V
Color temperature CCT: 3000K
Color temperature CCT: 4000K
Color temperature CCT: 6000K
Lampholder: G13
Luminous efficacy (Lm/W): 130
LED diode efficiency (Lm/W): 150
Brightness (Lm): 1690
Color rendering index (Ra):: ?80
IP: IP20
Luminous angle: 300º
Frequency (Hz): 50-60Hz
Power factor ?: 0.95
Measures (mm): 900mm
Material: Glass
Operating temperature: -20ºC ~ +55ºC
Energy efficiency 2021: A+
Lifespan: 25.000h
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Color temperature CCT (ºK): Natural white 4000K, Warm white 3000K, Cool white 6000K

Product description:

Glass T8 LED tube, high efficiency T8 LED Tube 13W 90 cm Glass 300º 1690 lm High Brightness

A 90 cm in opal glass that replaces fluorescent tubes with over 50% savings. 13W, , 150 lm/W efficiency, a 300º angle and instant, flicker-free start.

? 13W? 1690 lm? 300º? 150 lm/W

13W
Power1690 lm
Luminous flux150 lm/W

Efficiency300º
Beam angle

The **13W 90 cm T8 LED tube** is an efficient lighting solution to replace traditional fluorescent tubes. With a luminous flux of **1690 lumens** and an efficiency of **150 lm/W**, it offers over 50% savings versus fluorescent tubes, with instant, flicker-free start.

Made from high-quality **opal glass** and ABS plastic, it ensures better light distribution thanks to its **300º** angle. With a **T8** base, single-end connection, a 175-265V voltage and a Ø26 mm diameter, it suits indoor use (IP20) and even outdoors if installed in a waterproof fitting.

Why choose this product? **? 150 lm/W**

Over 50% savings versus fluorescent tubes. **? 300º angle**

Opal glass for even light distribution. **? Instant start**

Flicker-free, for immediate visual comfort. Technical specifications Product typeGlass T8 LED tubePower13WLuminous flux1690 lmEfficiency150 lm/WBeam angle300ºBaseT8ConnectionSingle-endVoltage175-265VMaterialOpal glass and ABSLength90 cmDiameterØ26 mmProtectionIP20 Advantages

- **150 lm/W:** over 50% savings versus fluorescent.
- **1690 lumens:** high brightness.
- **300º angle:** opal glass, even light.
- **Instant start:** flicker-free.
- **Single-end connection:** simple installation.
- **Opal glass + ABS:** quality and strength.

Recommended applications ?**Offices** — fluorescent tube replacement.?**Shops** — efficient lighting.?**Workshops and garages** — technical lighting.?**Corridors and warehouses** — even light. Installation guide 1**Switch off the power**
Cut the supply before installation.2**Remove the starter**
For a fluorescent fitting, remove/replace the starter as instructed.3**Install the tube**
Fit the T8 tube (single-end connection) into the lampholders.4**Switch on**

Restore power and check the instant start. Frequently asked questions **What is its efficiency?**

150 lm/W, i.e. over 50% savings versus fluorescent tubes. **What is its connection?**

Single-end, with a T8 base. **Is it suitable for outdoors?**
Indoors (IP20), and outdoors only in a waterproof fitting. ?

150 lm/W
+50% saving?

1690 lm
300º?

Instant
Flicker-free?

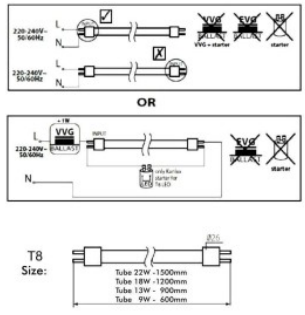
In stock
Fast shipping

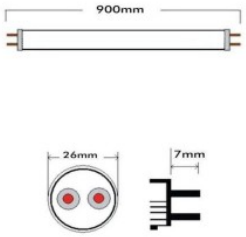
Product gallery:


HIGH
LUMENS
300°
SMD 2835
150Lm/W
3000K
4000K
6500K


EPISTAR
LED
CHIP
SMD2835
300°


LED
STARTER


OR
T8
Size:
Tube 22W -1500mm
Tube 18W -1200mm
Tube 13W - 900mm
Tube 9W - 600mm


900mm
26mm
7mm

