

SITECO® LED T8 Tube Datasheet



SITECO LED T8 Tube is a cost-effective LED replacement for T8 fluorescent tubes. The luminaire is compatible with existing T8 installations in look and feel with far superior lighting performance. With its extremely long lifetime 50,000 hours, this Tube series is perfect for general applications in which reliability plays a key role.

Benefits

Full range for T8 replacement

- 2ft/4ft/5ft
- 3000K/4000K/6500K
- 8W/16W/22W
- G13 mounting socket
- No re-wiring needed for magnetic ballast

Excellent lighting experience

- 160° wide beam angle
- Flicker free
- CRI>80
- Imported LED ensures consistent CCT and optimized uniformity

Stable quality

- Single-ended input complies with IEC standard
- 50,000hrs long lifetime
- 1KV surge protection to defend hard electrical environment
- Compliance with CB, EMC, IEC62471 photo-biological safety

Applications

- Supermarkets
- Retail stores
- Shopping malls
- Storage warehouses
- Metro stations

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Technical Data

OSRAM

Optical Specifications

		2ft	4ft	5ft
Luminous Flux	4000K	1040 lm	2080 lm	2860 lm
Efficacy	4000K	130 lm/W	130 lm/W	130 lm/W
CCT		3000K, 4000K, 6500K		
CRI		>80		
SDCM		<5		
Beam Angle		160°		

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz*		
Power Consumption	8W	16W	22W
Power Factor	>0.9		
Dimensions (L x ØD)	604mm x 28mm	1214mm x 28mm	1515mm x 28mm
Weight	118g	211g	283g
Housing	Glass with PET		

System Specifications

Power	AC line
Installation	G13 mounting, single-ended power
Operating Temperature	-20°C to +40°C
Storage Temperature	-30°C to +80°C
Environment	Indoor (IP20)
Lumen Maintenance	L70 @25°C - 50,000hrs
Safety Approval	CB, EMC, Photo-biological safety

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

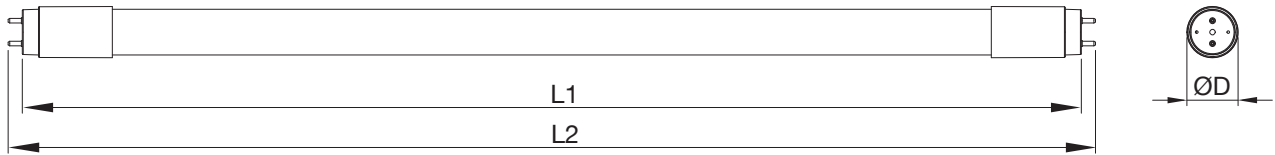
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Dimensions

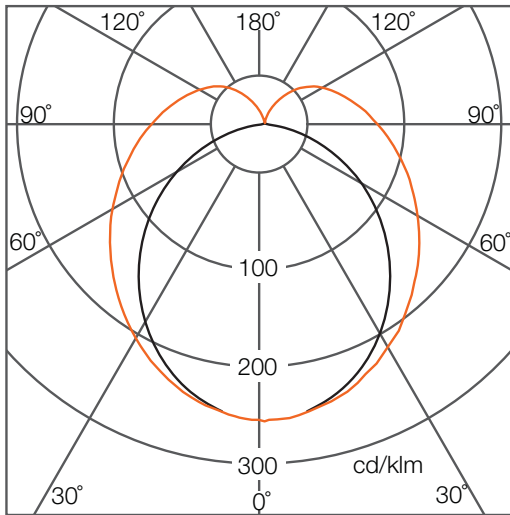


Dimensions

	2ft	4ft	5ft
L1	596mm	1206mm	1506mm
L2	604mm	1214mm	1515mm
ØD	28mm	28mm	28mm

Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/km	Beam Width	
		V	H
0.5m	978	1.22m	3.04m
1.0m	244	2.43m	6.08m
1.5m	109	3.65m	9.12m
2.0m	61	4.87m	12.17m
2.5m	39	6.09m	15.21m
3.0m	27	7.30m	18.25m

● Vert. Spread: 101.2°
● Horiz. Spread: 143.6°
 For fc divide by 10.7

For feet multiply by 3.28

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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