



Essential LEDtube - Affordable LED solution

Essential LEDtube

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Benefits

- Reduced electricity costs thanks to significant energy savings
- Longer lifetime minimizes re-lamping for reduced maintenance costs
- A better choice for the environment – no mercury

Features

- Affordable LED replacement for T8 fluorescent lamps
- Energy consumption less than half that of normal fluorescent lamps
- 25,000 hours lifetime, double that of normal fluorescent lamps
- No mercury; glass-free tube – no breakage concerns

Application

- Retail, offices
- Industry, warehouses, public places, schools, hospitals, car parks

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Versions



LEDtube 600mm, 1200mm G13 T8 AP C G

Standard Product Photo

Dimensional drawing

Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm 16W 740 T8 AP I G	25.68 mm	28 mm	1,198 mm	1,205 mm	1,212 mm	1,212 mm	27.8 mm
LEDtube 1200mm 16W 765 T8 AP I G	25.68 mm	28 mm	1,198 mm	1,205 mm	1,212 mm	1,212 mm	27.8 mm
LEDtube 600mm 8W 740 T8 AP I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm	602.5 mm	27.8 mm
LEDtube 600mm 8W 765 T8 AP I G	25.68 mm	28 mm	588.5 mm	595.5 mm	602.5 mm	602.5 mm	27.8 mm
LEDtube HO 1200mm 20W 730 T8 AP I G	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm		
LEDtube HO 1200mm 20W 740 T8 AP I G	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm		
LEDtube HO 1200mm 20W 765 T8 AP I G	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm		
LEDtube HO 600mm 10W 765 T8 AP I G	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm		

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General Information	
Cap-Base	G13
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)
Light Technical	
Beam Angle (Nom)	240 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	T8

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929001184738	LEDtube 600mm 8W 740 T8 AP I G	4000 K	73	740	800 lm
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	3000 K	70	730	1,900 lm
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	4000 K	73	740	1,600 lm
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	6500 K	73	765	1,600 lm
929001184838	LEDtube 600mm 8W 765 T8 AP I G	6500 K	73	765	800 lm
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	4000 K	70	740	2,100 lm
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	6500 K	70	765	2,100 lm
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	6500 K	70	765	1,050 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929001184738	LEDtube 600mm 8W 740 T8 AP I G	8 W
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	20 W
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	16 W
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	16 W

Order Code	Full Product Name	Power Consumption
929001184838	LEDtube 600mm 8W 765 T8 AP I G	8 W
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	20 W
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	20 W
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	10 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001184738	LEDtube 600mm 8W 740 T8 AP I G	60 °C
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	65 °C
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	60 °C
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	60 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001184838	LEDtube 600mm 8W 765 T8 AP I G	60 °C
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	65 °C
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	65 °C
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	65 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/
		1000 h
929001184738	LEDtube 600mm 8W 740 T8 AP I G	8 kWh
929001299808	LEDtube HO 1200mm 20W 730 T8 AP I G	20 kWh
929001184538	LEDtube 1200mm 16W 740 T8 AP I G	16 kWh
929001184638	LEDtube 1200mm 16W 765 T8 AP I G	16 kWh
929001184838	LEDtube 600mm 8W 765 T8 AP I G	8 kWh
929001277208	LEDtube HO 1200mm 20W 740 T8 AP I G	20 kWh
929001277308	LEDtube HO 1200mm 20W 765 T8 AP I G	20 kWh
929001277508	LEDtube HO 600mm 10W 765 T8 AP I G	10 kWh



