

# LED T5 Premium

220-240VAC

DATA SHEET



## Product information

Tungsramp LED T5 Tubes offer more reliable and efficient way to convert existing Fluorescent luminaires to LED technology. This new LED product range offers energy saving replacements for HE 14W-28W-35W and HO 24W-54W-49W-80W Fluorescent tubes. The new LED tubes are designed to operate on 220-240VAC 'Direct-to-Mains' connection to maximise energy efficiency and avoid reliability & compatibility issues relating to HF ballast connection.

## Features

- Outstanding light output, 1100-5100lm
- Excellent efficiency, 150Lm/W
- Extremely long life, 50000H L70/B50
- Wide operating temperature, -20°C/+45°C
- High Power Factor, > 0.9
- Mains Volt operation, 220-240V AC

## Benefits

- Fit & Forget, no ballast reliability concerns and reduced maintenance costs
- Uniform light, suitable for office, retail, education
- Instant-on, full light
- Up to 62% energy saving vs Fluorescent
- Glass tube design, with wide beam angle, 165degrees
- Suitable for low and high ambient temperature operation
- Environmentally friendly, no UV or Hg

## Applicable Standards

EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting
EN 61000-3-2	Limits for harmonic current emissions (equipment rated current <=16A)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current <=16A)
EN 61547	Specification for equipment for general lighting purposes. EMC Immunity requirements
IEC/EN 62493	Assessment of lighting equipment related to human exposure to electromagnetic field
IEC/EN 62471	Photo biological safety of lamps and lamp systems
IEC 60061-1	Lamp Caps
IEC/EN 62776	Double-capped LED lamps designed to retrofit linear fluorescent lamps – Safety specifications
	Electrical, Photometric and Lumen Maintenance test conducted as defined by IES LM-79-08 and IES LM-80-08 Test

## Application areas



Office



Retail



Hospitality



Industrial

## Specification summary

Rated Wattage (W)	Length (mm)	CCT (K)	Cap	Product Description	Rated Luminous flux (lm)	Life L70 (hrs)	CRI (Ra)	Energy Efficiency Class	Pack Qty (pcs)	Product Code
7.5	549	4000	G5	LED T5 0.6m 7.5W 840 AC220-240V 1/10	1100	50,000	80+	A++	10	93115376
7.5	549	6500	G5	LED T5 0.6m 7.5W 865 AC220-240V 1/10	1100	50,000	80+	A++	10	93115377
7.5	549	4000	G5	LED T5 0.6m 7.5W 840 AC220-240V 1/10 DS	1100	50,000	80+	A++	10	93114779
7.5	549	6500	G5	LED T5 0.6m 7.5W 865 AC220-240V 1/10 DS	1100	50,000	80+	A++	10	93114780
16	1149	4000	G5	LED T5 1.2m 16W 840 AC220-240V 1/10	2400	50,000	80+	A++	10	93114766
16	1149	6500	G5	LED T5 1.2m 16W 865 AC220-240V 1/10	2400	50,000	80+	A++	10	93114767
26	1149	3000	G5	LED T5 1.2m 26W 830 AC220-240V 1/10	3500	50,000	80+	A++	10	93114768
26	1149	4000	G5	LED T5 1.2m 26W 840 AC220-240V 1/10	3900	50,000	80+	A++	10	93114769
26	1149	4000	G5	LED T5 1.2m 26W 840 AC220-240V 1/10 DS	3900	50,000	80+	A++	10	93114781
26	1149	6500	G5	LED T5 1.2m 26W 865 AC220-240V 1/10	3900	50,000	80+	A++	10	93114770
26	1149	6500	G5	LED T5 1.2m 26W 865 AC220-240V 1/10 DS	3900	50,000	80+	A++	10	93114782
26	1449	3000	G5	LED T5 1.5m 26W 830 AC220-240V 1/10	3500	50,000	80+	A++	10	93114771
26	1449	4000	G5	LED T5 1.5m 26W 840 AC220-240V 1/10	3900	50,000	80+	A++	10	93114772
26	1449	6500	G5	LED T5 1.5m 26W 865 AC220-240V 1/10	3900	50,000	80+	A++	10	93114773
34	1449	4000	G5	LED T5 1.5m 34W 840 AC220-240V 1/10	5100	50,000	80+	A++	10	93114774
34	1449	6500	G5	LED T5 1.5m 34W 865 AC220-240V 1/10	5100	50,000	80+	A++	10	93114775

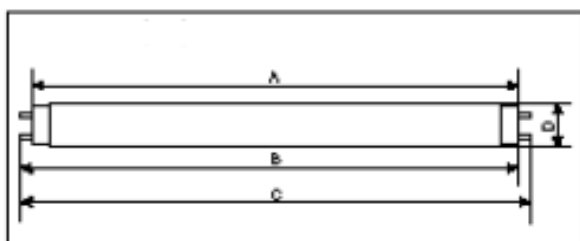
## Specifications

Nominal Voltage	220-240V
Operating frequency	50Hz
Power factor	> 0,9
Operating temperature range	-20°C ...+45°C
Starting time	< 0,5 s
Dimmable	No
Use in emergency application	No
Color consistency	<6
Beam angle	165°

## Operation and maintenance

- Store the lamps as per standard Fluorescent lamps.
- Installation requires simple re-wire to bypass the ECG/HF ballast, as per installation guide provided.
- Installation must be done by a qualified electrician. Compliance with local applicable safety and regulatory requirements is solely their responsibility.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamps
- Usage in fully enclosed fixtures may affect life performance.

## Dimensions



Maximum overall length [mm]	2 ft	4 ft	5 ft
A	549	1149	1449
B	556.1	1156.1	1456.1
C	563.2	1163.2	1463.2
D	18	18	18
Net weight [g]	75	145	180