

LED Plug-In 4Pin GEN2



DATA SHEET

Product information

LED 4 Pin Plug-In lamp offers safe, reliable and affordable energy saving alternative to Compact Fluorescent 4 Pin Plug-In lamps used in downlight fixtures. The replacement can be completed without tools or costly upgrade.

The new GEN2 4Pin LED Plug-In lamp is available in 7.5W to replace 18W (G24q-2 or GX24q-2) and 10W to replace 26W and 32W (G24q-3 or GX24q-3) regular CFL lamps.

Features

- Energy Saving up to 58% versus traditional CFL 4 Pin Plug-In lamps
- High light output up to 1200 lumens
- Available in 3000, 4000 and 6500K
- Optimized beam angle: 110°x120° for horizontal applications
- Improved design with softened edges
- The lamp is compatible with the most common electronic ballasts types, but please visit the following website for the list of ballasts tested and approved for compatibility: www.tungsr.com/LEDPlugIn-compatibility

Application areas



Office



Retail



Hospitality

Specification features

Long life

- 50,000 hours rated life (L70)
- Lasts 2.5x longer than typical CFL lamp

High efficiency

- Outstanding efficiency, up to 120 Lm/W
- Uses 55% less energy than a 18W CFL lamp (7.5W vs 18W Energy Consumptions) or 58% less energy than a 26W CFL lamp (10W vs 26W Energy Consumptions)
- Advanced optics eliminate wasted light to deliver more targeted beam

High Quality lighting effect

- High uniformity of light, create elegant lighting atmosphere for retail, hospitality & commercial applications
- Available with a CRI of 80
- High color consistency of <6 steps

Environmentally Conscious

- Energy efficient lamp that contain no Lead or Mercury

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 $\leq 16A$)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low-voltage supply systems (equipment rated current $\leq 16A$)
EN 61547	Specification for equipment for general lighting purposes. EMC Immunity requirements
EN 62493	Assessment of lighting equipment related to human exposure to electromagnetic field
IEC 60061-1	Lamps caps and holders together with gauges for the control of interchangeability and safety
EN 61347-1	Lamp controlgear – Part 1: General and safety requirements
EN 61347-2-13	Lamp controlgear – Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules
EN 62471	Photobiological safety of lamps and lamp systems
IEC/TR 62471-2	Photobiological safety of lamps and lamp systems – Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety
IEC/TR 62778	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
EN 61199	Single-capped fluorescent lamps – Safety specifications
EN 62560	Self-ballasted LED-lamps for general lighting services by voltage $> 50 V$ – Safety specifications

Specification summary

Product code	Product Description	Rated Wattage (W)	Rated Lumens (lm)	Rated Life L70 (h)	CRI (Ra)	Energy Efficiency Class	Culot	T°C (K)	Operation position	Pack Qty (pcs)
93110771	LED 10/G2/G24q-3/4P/H/830 TU BX1/6	10	1 150	50 000	80	F	G24q-3	3000	Horizontal	6
93110772	LED 10/G2/G24q-3/4P/H/840 TU BX1/6	10	1 170	50 000	80	F	G24q-3	4000	Horizontal	6
93110773	LED 10/G2/G24q-3/4P/H/865 TU BX1/6	10	1 200	50 000	80	E	G24q-3	6500	Horizontal	6
93110774	LED 7.5/G2/G24q-2/4P/H/830 TU BX1/6	7.5	850	50 000	80	F	G24q-2	3000	Horizontal	6
93110775	LED 7.5/G2/G24q-2/4P/H/840 TU BX1/6	7.5	880	50 000	80	F	G24q-2	4000	Horizontal	6
93110776	LED 7.5/G2/G24q-2/4P/H/865 TU BX1/6	7.5	900	50 000	80	E	G24q-2	6500	Horizontal	6

Energy efficiency class (A-G)*



Electrical and photometric characteristics

Ambient temperature range	-20°C to +40°C
Number of switching cycles	30 000
Lumen maintenance at B50	70%
Beam angle	110° x 120°
Dimmable	No
Fixture rating	can be used in open and enclosed fixtures
Starting time	<0.5sec
Weight	125g

Operation and maintenance

Store and use the lamps the same way as standard compact fluorescent lamps.

- Lamps should be kept free from contamination.
- Switch off mains supply before installing/removing lamp.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- Lamp can't be operated directly from Mains voltage, an electronic ballast is needed.
- Can be operated only with ballasts that are approved for compatibility, list of approved ballasts can be found on www.tungsr.com/LEDPlugIn-compatibility
- Can be used in both open and enclosed fixtures.
- Not for use in emergency lighting circuits.

Dimensions (mm)

