

# LED Plug-In 2Pin



## Product information

LED 2Pin Plug-In lamp offers safe, reliable and affordable energy saving alternative to Compact Fluorescent 2 Pin Plug-In lamps used in downlight fixtures. The range is designed to replace CFL plug in lamps operated on standard magnetic ballasts. LED Plug-In 2Pin lamp is coming with a generic G24d base and thus can replace 13, 18 or 26W CFL lamps. This replacement can be completed without tools or costly upgrade. LED 2Pin Plug-In lamp is available in 10.5W design for horizontal applications.

## Features

- Energy Saving up to 63% versus CFL 2 Pin Plug-In lamps
- High light output of 1050 lumens
- Available in 3000, 4000 and 6500K
- Optimized beam angle: 110°x120° for horizontal design
- Operates on magnetic ballast

## Application areas



Office



Retail



Hospitality

## Specification features

### Long life

- 50,000 hours rated life (L70)
- Lasts 4x longer than typical CFL lamp

### High efficiency

- Outstanding efficiency, up to 100 Lm/W
- Uses 63% less energy than 26W CFL (10.5W versus 26W Energy Consumptions) or 48% less energy than 18W CFL (10.5W versus 18W 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

<b>EN 55015</b>	Limits and methods of measurement of radio disturbance characteristics of electrical lighting
<b>EN 61000-3-2</b>	Limits for harmonic current emissions (equipment rated current $\leq 16A$ )
<b>EN 61000-3-3</b>	Limitation of voltage fluctuations and flicker in low-voltage supply systems (equipment rated current $\leq 16A$ )
<b>EN 61547</b>	Specification for equipment for general lighting purposes. EMC Immunity requirements
<b>EN 62493</b>	Assessment of lighting equipment related to human exposure to electromagnetic field
<b>IEC 60061-1</b>	Lamp caps and holders together with gauges for the control of interchangeability and safety
<b>EN 61347-1</b>	Lamp controlgear – Part 1: General and safety requirements
<b>EN 61347-2-13</b>	Lamp controlgear – Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules
<b>EN 62471</b>	Photobiological safety of lamps and lamp systems
<b>IEC/TR 62471-2</b>	Photobiological safety of lamps and lamp systems – Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety
<b>IEC/TR 62778</b>	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
<b>EN 61199</b>	Single-capped fluorescent lamps – Safety specifications
<b>EN 62560</b>	Self-ballasted LED-lamps for general lighting services by voltage $> 50 V$ – Safety specifications

## Specification summary

Rated Wattage (W)	Cap	CCT (K)	Product Description	Rated Lumens (lm)	Rated Life L70 (h)	CRI (Ra)	Energy Efficiency Class	Ballast compatibility	Operating position	Pack Qty (pcs)	Product code
10.5	G24d	3000	LED 10.5/G24d/2P/H/830 TU BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93110768
10.5	G24d	4000	LED 10.5/G24d/2P/H/840 TU BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93110769
10.5	G24d	6500	LED 10.5/G24d/2P/H/865 TU BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93110770

## Electrical and photometric characteristics

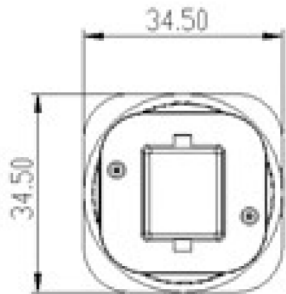
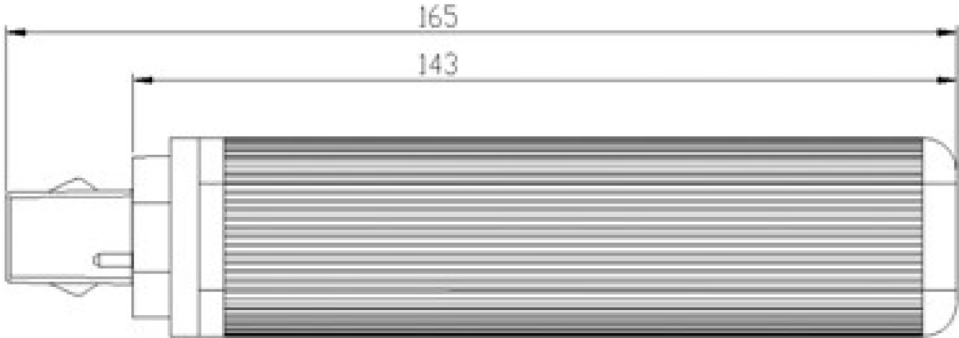
<b>Ambient temperature range</b>	-20°C to +40°C
<b>Number of switching cycles</b>	50.000
<b>Lumen maintenance at B50</b>	70%
<b>Beam angle</b>	110° x 120°
<b>Dimmable</b>	No
<b>Fixture rating</b>	can be used in open and enclosed fixtures
<b>Starting time</b>	<0.5sec
<b>Weight</b>	125g
<b>Flickering Index</b>	<10%

## 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, a magnetic ballast is needed.
- Can be used in both open and enclosed fixtures.
- Not for use in emergency lighting circuits.

# Dimensions (mm)



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