



LED 2 Pin Plug-In

Product information

GE's LED 2 Pin 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. GE's new 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 2 Pin Plug-In lamp is available in 10.5W design for horizontal applications.

Specification fetures

Long life

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

High efficiency

- Increased energy saving, up to 100lm/w
- Uses 60% less energy than 26W CFL (10.5W versus 26W) or 42% less energy than 18W CFL (10.5W versus 18W)
- 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

Environmentally Conscious

- Energy efficient lamp that contain no lead or Mercury

Features

- Energy Saving up to 60% 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



Hospitality



Retail



IEC 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
EN 62493:2010	Assessment of lighting equipment related to human exposure to electromagnetic field
IEC 60061-1	Lamp caps and holders together with gauges for the control of interchangeability and safety
IEC 61347-1	Lamp controlgear – Part 1: General and safety requirements
IEC 61347-2-13	Lamp controlgear – Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules
IEC 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
IEC 61199	Single-capped fluorescent lamps – Safety specifications
IEC 62560	Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specifications

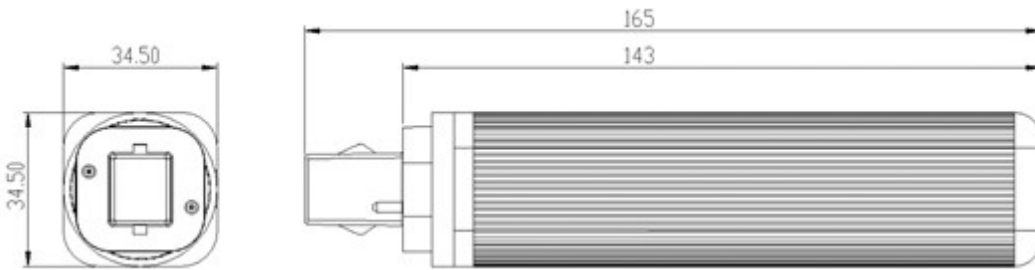
Specification summary

Rated Wattage (W)	Base	CCT (K)	Product Description	Rated Lumens (lm)	Life L70 (hrs)	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 GE BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93051476
10.5	G24d	4000	LED 10.5/G24d/2P/H/840 GE BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93051477
10.5	G24d	6500	LED 10.5/G24d/2P/H/865 GE BX1/6	1050	50 000	80	A+	Magnetic	Horizontal	6	93051521

Electrical and Photometric Characteristics

Ambient temperature range	-20°C to +40°C
Number of switching cycles	50,000
Lumen maintenance at B50	70%
Beam angle	110° x 120°
Dimmable	No
Fixture rating	can be used in enclosed fixtures as well
Starting time	<0.5sec
Weight	125g
Flickering Index	<10%
Lamp current	50mA
Nominal Lamp voltage	220-240V

Dimensions [mm]



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.