

LED 4 Pin Plug-In



DATA SHEET

Product information

GE's 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.

GE's new LED Plug-In lamp can replace 26W with G24q-3 and 26 or 32W with GX24q-3 base CFL lamps. This replacement can be completed without tools or costly upgrade.

LED 4 Pin Plug-In lamp is available in 12.5W with separate lamp design for horizontal and vertical applications.

Specification Features

Long life

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

High efficiency

- Increased energy saving, up to 108lm/w
- Uses 52% less energy than 26W CFL (12.5W versus 26W) or 61% less energy than 32W CFL (12.5W versus 32W)
- 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 4 Pin Plug-In lamps
- High light output of 1250-1350 lumens
- Available in 2700, 3000, 4000 and 6500K
- Optimized beam angle: 100°x75° for horizontal design and 87° for vertical design
- Compatible with main Electronic ballasts types, but please visit below website for list of ballast tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility

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
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

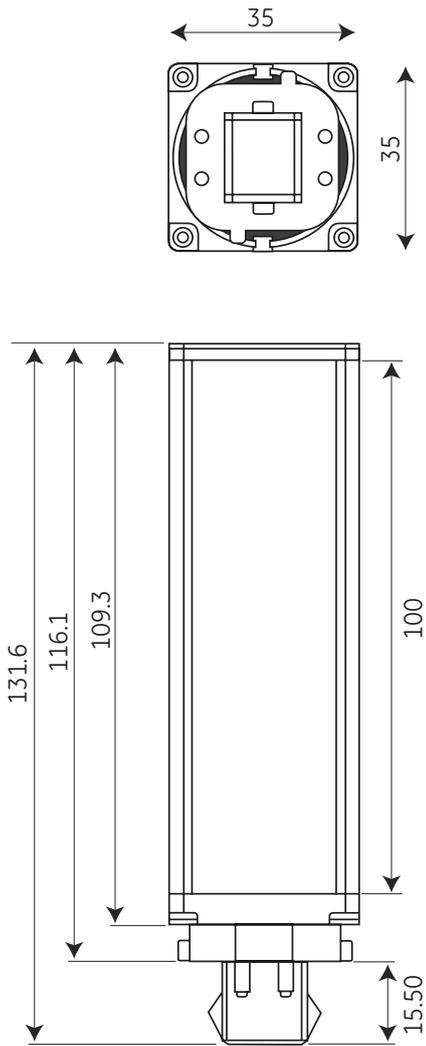
Specification summary

Rated Wattage	Length [mm]	CCT [K]	CCT Steps	Product Description	Rated Lumens [lm]	Life L70 [hrs]	CRI [Ra]	Energy Efficiency Class	Burn Position	Pack Qty [pcs]	Product Code
12.5	132	2700	<6	LED 12.5/G24q-3/4P/H/827 GE BX1/6	1250	50,000	80	A+	Horizontal	6	93019485
12.5	132	3000	<6	LED 12.5/G24q-3/4P/H/830 GE BX1/6	1290	50,000	80	A+	Horizontal	6	93019486
12.5	132	4000	<6	LED 12.5/G24q-3/4P/H/840 GE BX1/6	1300	50,000	80	A+	Horizontal	6	93019487
12.5	132	6500	<6	LED 12.5/G24q-3/4P/H/865 GE BX1/6	1350	50,000	80	A+	Horizontal	6	93019488
12.5	144	2700	<6	LED 12.5/G24q-3/4P/V/827 GE BX1/6	1250	50,000	80	A+	Vertical	6	93024415
12.5	144	3000	<6	LED 12.5/G24q-3/4P/V/830 GE BX1/6	1290	50,000	80	A+	Vertical	6	93024294
12.5	144	4000	<6	LED 12.5/G24q-3/4P/V/840 GE BX1/6	1300	50,000	80	A+	Vertical	6	93024110
12.5	144	6500	<6	LED 12.5/G24q-3/4P/V/865 GE BX1/6	1350	50,000	80	A+	Vertical	6	93024109

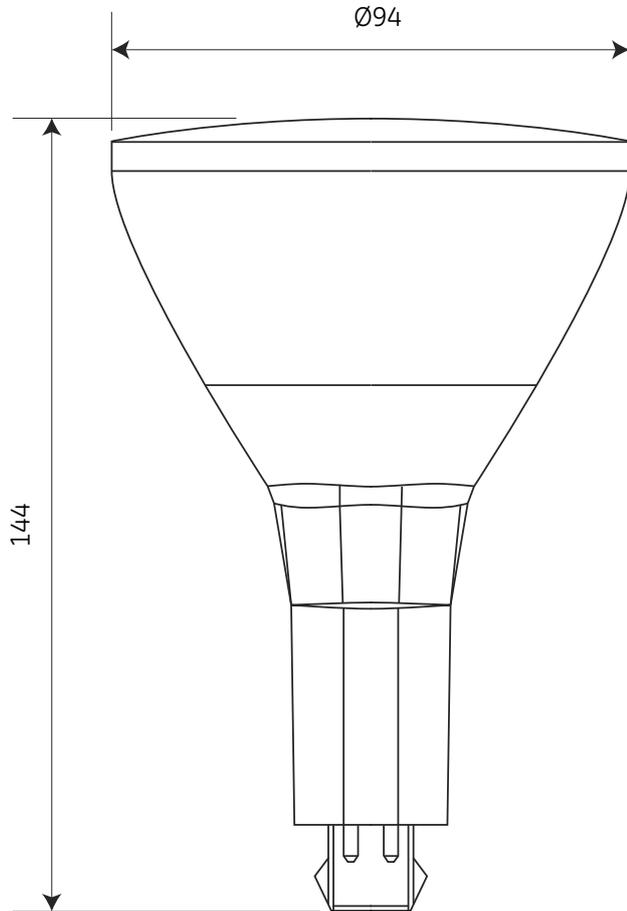
Electrical and Photometric Characteristics

Ambient temperature range	-20°C to +40°C
Number of switching cycles	30,000
Lumen maintenance at B50	70%
Beam angle	100° x 75° (Horizontal) / 87° (Vertical)
Dimmable	No
Fixture rating	can be used in open rated fixture only
Starting time	<0.5sec
Weight	110g (Horizontal) / 160g (Vertical)

Dimensions for Horizontal Plug-In [mm]



Dimensions for Vertical Plug-In [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, 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.gelighting.com/LEDPlugIn-compatibility
- Use in open fixtures only.
- Not for use in emergency lighting circuits.