



GE LED Plug-In

Retrofit Bright Solutions

Annual savings and payback calculation

While LED lamps may still have a higher initial purchase price than traditional technologies, their overall efficiency delivers a rapid payback and significant on-going savings.

This means that, for an installation of just 100 lamps, switching to GE LED 2D can pay for itself in as little as a year. From this point on, savings in energy alone are almost € 800 a year, with additional significant savings in relamping and maintenance over the lifetime of the lamps.

Performance comparison	28W CFL 2D	12.5W LED 2D ECG
Number of lamps	100	100
Watts/lamp	28	12.5
Operating hours/day	12	12
Operating days/year	345	345
Annual Energy consumption (kWh)	11,592	5,175
kW rate (Eur)	0.12	0.12
Annual energy cost (Eur)	€ 1 391	€ 621

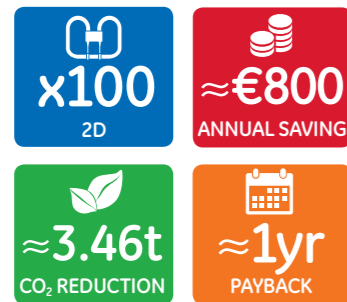
Annual energy cost saving w/ LED 2D € 770

CO₂ emissions

CO ₂ emission per kWh (kg) *	0.54
---	------

Annual CO₂ saving (tonnes) w/ LED 2D 3.46

*Conversion factor can be different by country



- Energy cost savings of approx. € 7.7 per lamp per year
- Potential one year payback based on energy saving alone
- Additional savings in maintenance due to longer life

All figures/calculations are indicative only; exact savings will be determined by local energy costs.



For further information please contact your sales representative or visit us on the web at www.gelighting.com/eu

and General Electric are both registered trademarks of the General Electric Company

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted.





GE LED 2D

The higher dimension in lighting

Our range of LED 2D Plug-In product offers quick and cost-effective replacement option for CFL 2D lamps without the need for tools. 2D replacement lamps have classic 2D shape and look with LED technology and provide up to 3x the life of an average CFL and use less than half the energy, delivering a more targeted light that requires fewer lumens and reduces waste. The result is a dramatic reduction in operating costs, coupled with equally impressive improvements in the quality of light. With simple and reliable plug-and-play installation this is an extremely attractive and easy upgrade option.



- Long life**
 - 40 000 hours rated life (L70)
 - Lasts up to 3x longer than typical CFL 2D lamp
- High efficiency**
 - Uses 60% less energy than 16W CFL 2D and 55% less energy than 28W CFL 2D
 - High light output of 750-1550 lumens
 - Outstanding efficiency up to 128 lm/W
 - A+ energy efficiency rating

- High Quality lighting effect**
 - High uniformity of light, create elegant lighting atmosphere for hospitality & commercial applications
 - Advanced optics to deliver good light distribution
 - Available in 2700, 3500 and 4000K and also in 3000K for 6.5W
 - Less than 1% flicker index
- Environmentally Conscious**
 - Energy efficient lamp that contain no lead or Mercury

Wattage (W)	Operating position	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	Ballast compatibility	EEC	Pack Qty
6.5	universal	GR8	LED 2D2P 6.5W/CCG/827/GR8 GE BX1/10	93039469	750	2700	120 x 130	80	40 000	magnetic	A+	10
6.5	universal	GR8	LED 2D2P 6.5W/CCG/830/GR8 GE BX1/10	93039470	770	3000	120 x 130	80	40 000	magnetic	A+	10
6.5	universal	GR8	LED 2D2P 6.5W/CCG/835/GR8 GE BX1/10	93039471	800	3500	120 x 130	80	40 000	magnetic	A+	10
6.5	universal	GR8	LED 2D2P 6.5W/CCG/840/GR8 GE BX1/10	93039475	830	4000	120 x 130	80	40 000	magnetic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/ECG/827/GR10q GE BX1/10	93039478	1 400	2700	120 x 130	80	40 000	electronic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/ECG/835/GR10q GE BX1/10	93039477	1 500	3500	120 x 130	80	40 000	electronic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/ECG/840/GR10q GE BX1/10	93039476	1 550	4000	120 x 130	80	40 000	electronic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/CCG/827/GR10q GE BX1/10	93039473	1 400	2700	120 x 130	80	40 000	magnetic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/CCG/835/GR10q GE BX1/10	93039472	1 500	3500	120 x 130	80	40 000	magnetic	A+	10
12.5	universal	GR10q	LED 2D4P 12.5W/CCG/840/GR10q GE BX1/10	93039474	1 550	4000	120 x 130	80	40 000	magnetic	A+	10

Visit this website for list of ballasts tested and approved for compability for LED 2D ECG types: www.gelighting.com/LEDPlugIn-compatibility

GE LED Plug-In Range

GE's LED Plug-In lamp range offers safe, reliable and affordable energy saving alternative to Compact Fluorescent Plug-In lamps used in downlight fixtures. The lamp replacement can be completed without tools or costly upgrade. The 4Pin LED Plug-In lamp can replace 26W with G24q-3 and 26 or 32W with GX24q-3 base CFL lamps. LED 4 Pin Plug-In lamp is available in 12.5W with separate lamp design for horizontal and vertical applications. GE's new 2Pin LED Plug-In range is designed to replace CFL plug in lamps operated on standard magnetic ballasts. The LED Plug-In 2Pin lamp is coming with a generic G24d base and thus can replace 13, 18 or 26W CFL lamps. LED 2 Pin Plug-In lamp is available in 10.5W design for horizontal applications.



- Long life**
 - 50 000 hours rated life (L70)
 - Lasts 2.5x longer than a typical 4Pin CFL lamp, and 4x longer than a traditional 2Pin CFL lamp
- High efficiency**
 - Energy Saving up to 60% versus CFL
 - High light output of 1050-1350 lumens
 - Increased energy efficiency up to 108lm/W
 - A+ energy efficiency rating

- High Quality lighting effect**
 - High uniformity of light, create elegant lighting atmosphere for retail, hospitality & commercial applications
 - Available in 2700, 3000, 4000 and 6500K
 - Advanced optics eliminate wasted light to deliver more targeted beam
- Environmentally Conscious**
 - Energy efficient lamp that contains no lead or mercury

Wattage (W)	Operating Position	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/830 GE BX1/6 *	93051476	1 050	3000	120 x 110	80	50 000	165	43	10.5	A+	6
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/840 GE BX1/6 *	93051477	1 050	4000	120 x 110	80	50 000	165	43	10.5	A+	6
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/865 GE BX1/6 *	93051521	1 050	6500	120 x 110	80	50 000	165	43	10.5	A+	6
12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/827 GE BX1/6 **	93019485	1 250	2700	100 x 75	80<	50 000	132	35	12.5	A+	6
12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/830 GE BX1/6 **	93019486	1 290	3000	100 x 75	80<	50 000	132	35	12.5	A+	6
12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/840 GE BX1/6 **	93019487	1 300	4000	100 x 75	80<	50 000	132	35	12.5	A+	6
12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/865 GE BX1/6 **	93019488	1 350	6500	100 x 75	80<	50 000	132	35	12.5	A+	6
12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/827 GE BX1/6 **	93024415	1 250	2700	87	80<	50 000	144	94	12.5	A+	6
12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/830 GE BX1/6 **	93024294	1 290	3000	87	80<	50 000	144	94	12.5	A+	6
12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/840 GE BX1/6 **	93024110	1 300	4000	87	80<	50 000	144	94	12.5	A+	6
12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/865 GE BX1/6 **	93024109	1 350	6500	87	80<	50 000	144	94	12.5	A+	6

* GE LED 2Pin Plug-In: Can not be operated from mains voltage. A standard magnetic ballast is needed.

**GE LED 4Pin Plug-In: Can not be operated directly from mains voltage. An electronic ballast is needed.

Visit this website to check the list of ballasts tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility.