



GE Lighting



BiaxTM

Plug-in Compact Fluorescent Lamps

ENERGY SAVING LIGHTING

Biax™ Range

GE Lighting has one of the most extensive ranges of compact fluorescent light sources available, providing both energy saving and long life, there is an ideal lamp for almost every application.

The Biax™ Range of Lamps offer:

- Long life - up to 12,000 hours
- Highly efficient - up to 80% energy saving compared to incandescent
- Efficacy: Up to 75 lumens/watt (5-6 times the efficiency of incandescent lamps)
- Excellent colour rendering CRI Ra 82 - triphosphor coating for natural and true colours with a variety of colour of temperatures available
- Compact size - advantages of fluorescent without size limitation
- Dimmable with electronic ballast (4 pin version)
- Low thermal emission



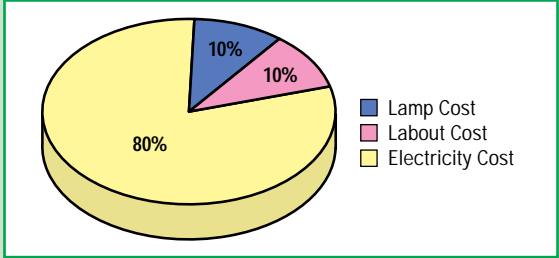
Ideal for wall lighting, ceiling lighting, exterior and general lighting applications

Application Guide

Lamp Type	Wall Lighting			Ceiling Lighting				Exterior		General				
	Decorative	Surface	Emergency	Outdoor	Circular Surface	Modular Recessed	High Circular Recessed	Low Circular Recessed	Surface Utility	Decorative Flood	Sign Lighting	Security	Task	General Emergency
Biax™ L		●			●			●		●		●		
Biax™ S	●	●	●					●		●	●			●
Biax™ D			●				●		●		●	●	●	
Biax™ T				●		●		●	●		●			●
Biax™ 2D™	●	●	●	●				●	●		●			●

Long life and low energy consumption help to conserve precious resources and protect the environment

Energy Saving
 Energy saving is important because the main cost of light is electricity - between 75% and 88% of your final annual bill



Cost Comparison

Meeting Room Ambient Lighting - Analysis Period: 5 Years

	GLS Lamp	Biax™ D Lamp
Lamp Power	100W*	18W*
Lamp Life	1.000 hours	10.000 hours
Annual Operating Hours	2.000 hours	2.000 hours
Cost of a Lamp	£0.40	£2.25
Initial Investment: 10 Lamps	£4.00	Lamps (10x£2.25) = £22.50
		Ballast (10x£3.25) = £32.50
Initial Investment Total	£4.00	£55.00

Running costs:
 Cost of Electricity: £0.07kWh
 Cost of maintenance: £2.00 per lamp

		GLS	Biax D
Year 1	Lamp	4.00	0
	Electricity	140.00	33.60
	Maintenance	40.00	20.00
Year 2	Lamp	8.00	0
	Electricity	140.00	33.60
	Maintenance	40.00	0
Year 3	Lamp	8.00	0
	Electricity	140.00	33.60
	Maintenance	40.00	0
Year 4	Lamp	8.00	0
	Electricity	140.00	33.60
	Maintenance	40.00	0
Year 5	Lamp	8.00	0
	Electricity	140.00	33.60
	Maintenance	40.00	0
Running Cost Total		£936.00	£188.00

Total Costs
 (Initial Investment + Running Cost:)
GLS Lamp £940.00
Biax™ D Lamp £243.00

Net Savings: £697.00
Payback Period:
Less than 2 years



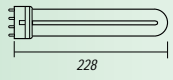



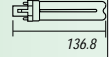
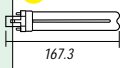
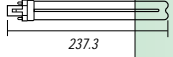


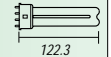
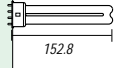
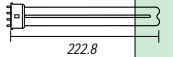




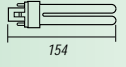



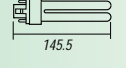








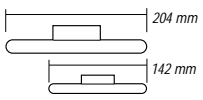
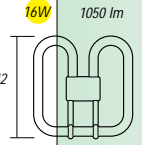
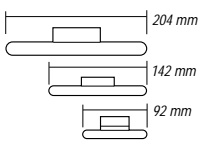
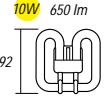
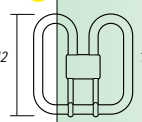
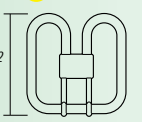

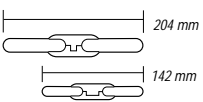
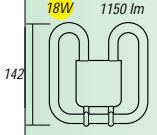
* Closest equivalent for light output
 These costs are example prices for the calculation and are not necessarily valid prices.




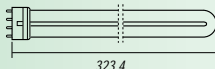
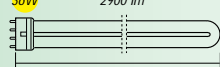
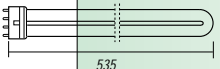
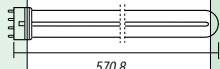
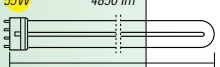
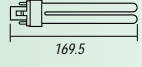
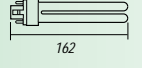
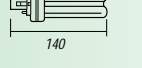
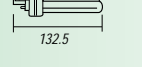
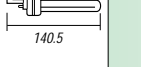
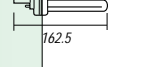
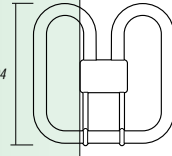
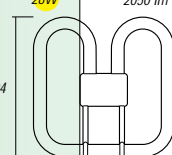
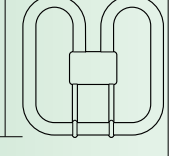
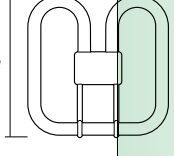
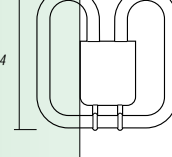


Success Stories
 "Everything we do is driven by guest satisfaction. The switch to plug-in compact fluorescent lamps certainly did that."
 - Greg Branum
 Building Superintendent
 The Westin LaPaloma

Biax™ Range

Compact Fluorescent selector

		LUMENS				
		500		1000		1500
Nearest incandescent equivalent wattage		25W	40W	60W	75W	100W
		WATTS				
Biax™ L - 4 pin						
	18W 24W 34W 36W 40W 55W					
	 43.9 mm					
					18W 1250 lm	 228
Biax™ S - 2 pin						
	5W 7W 9W 11W					
	 32.5 mm					
		5W 265 lm  107.8	7W 425 lm  136.8	9W 600 lm  167.3	11W 900 lm  237.3	
Biax™ S/E - 4 pin						
	5W 7W 9W 11W					
	 37.5 mm					
		5W 265 lm  93.3	7W 425 lm  122.3	9W 600 lm  152.8	11W 900 lm  222.8	
Biax™ D - 2 pin						
	10W 13W 18W 26W					
	 35 mm					
			10W 600 lm  108.5	13W 900 lm  133	18W 1200 lm  154	
Biax™ D/E - 4 pin						
	10W 13W 18W 26W					
	 35 mm					
			10W 600 lm  101	13W 900 lm  125.5	18W 1200 lm  145.5	
Biax™ T - 2 pin						
	13W 18W 26W					
	 49 mm					
				13W 900 lm  115.5	18W 1200 lm  130	
Biax™ T/E - 4 pin						
	13W 18W 26W 32W 42W					
	 49 mm					
				13W 900 lm  108	18W 1200 lm  122.5	
Biax™ 2D™ - 2 pin						
	16W 28W					
	 204 mm 142 mm					
					16W 1050 lm  142	
Biax™ 2D™ /E - 4 pin						
	10W 16W 21W 28W 38W 55W					
	 204 mm 142 mm 92 mm					
		10W 650 lm  92		16W 1050 lm  142	21W 1350 lm  142	
Biax™ 2D™ Lamp with integral control gear						
	18W 30W					
	 204 mm 142 mm					
					18W 1150 lm  142	

1500	2000	2500	3000	4000	5000
					
<p>24W 1800 lm</p>  <p>323.4</p>		<p>36W 2900 lm</p>  <p>418.4</p> <p>34W 2800 lm</p>  <p>535</p>	<p>40W 3500 lm</p>  <p>570.8</p>		<p>55W 4850 lm</p>  <p>570.8</p>
<p>26W 1710 lm</p>  <p>169.5</p> <p>26W 1710 lm</p>  <p>162</p>					
<p>26W 1710 lm</p>  <p>140</p> <p>26W 1710 lm</p>  <p>132.5</p>		<p>32W 2200 lm</p>  <p>140.5</p>	<p>42W 3200 lm</p>  <p>162.5</p>		
<p>28W 2050 lm</p>  <p>204</p> <p>28W 2050 lm</p>  <p>204</p>			<p>38W 2850 lm</p>  <p>204</p> <p>55W 3900 lm</p>  <p>204</p>		
<p>30W 2050 lm</p>  <p>204</p>					

Compact Fluorescent selector



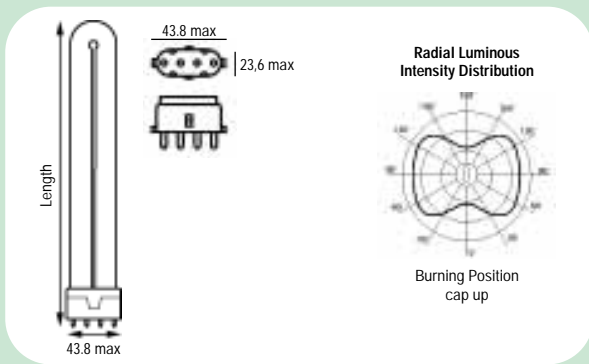
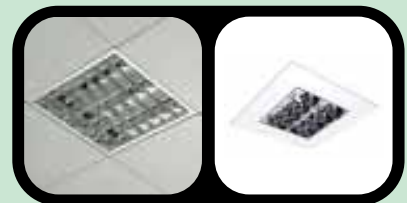
Ideal for use in 600mm square or rectangular modular fixtures, replacing linear lamps twice the length.

Maximum light output (up to 4850 lumens)



Ideal for square light fittings in shops, offices, hallways and corridors and outdoor lighting. Also use for indirect lighting to eliminate glare on computer screens.

- **Long Life - 12,000 hours** - Low Maintenance costs
- **Energy Efficient** - low electricity costs - up to 80% savings compared to GLS lamps
- **Single-ended** - Simplifies fixture design and installation and improves light distribution
- **Round 'Loop' construction** - No dark ends
- **High quality triphosphor coating** - Excellent colour rendering, CRI Ra 82 - colours look true to life



Virtual Lighting Designer at www.GELighting.com

Biax™ L Lamps - 4 pin - External Starter - Cap 2G11

Watts	Length mm	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
18	228	F18BX/827	0,37	1B	2700	1250
18	228	F18BX/830	0,37	1B	3000	1250
18	228	F18BX/835	0,37	1B	3500	1250
18	228	F18BX/840	0,37	1B	4000	1250
24	323,4	F24BX/827	0,34	1B	2700	1800
24	323,4	F24BX/830	0,34	1B	3000	1800
24	323,4	F24BX/835	0,34	1B	3500	1800
24	323,4	F24BX/840	0,34	1B	4000	1800
34*	535	F34BX/830	0,41	1B	3000	2800
34*	535	F34BX/835	0,41	1B	3500	2800
34*	535	F34BX/840	0,41	1B	4000	2800

Biax™ L Lamps - 4 pin - External Starter - Cap 2G11

Watts	Length mm	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
36	418,4	F36BX/827	0,43	1B	2700	2900
36	418,4	F36BX/830	0,43	1B	3000	2900
36	418,4	F36BX/835	0,43	1B	3500	2900
36	418,4	F36BX/840	0,43	1B	4000	2900
40**	570,8	F40BX/830	0,32	1B	3000	3500*
40**	570,8	F40BX/835	0,32	1B	3500	3500
40**	570,8	F40BX/840	0,32	1B	4000	3500
55**	535	F55BX/830	0,55	1B	3000	4850
55**	535	F55BX/835	0,55	1B	3500	4850
55**	535	F55BX/840	0,55	1B	4000	4850

**40W and 55W Use on HF gear only

*34W Use with conventional ballast and electronic starter switch or fully electronic unit

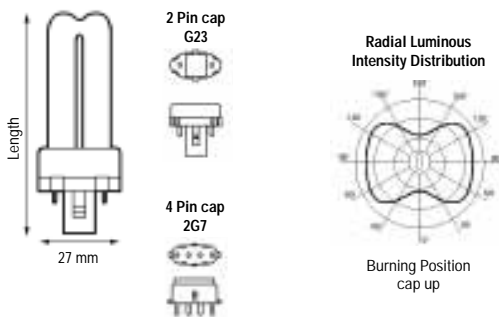


Ideal for small surface mounted fixtures in emergency and exit signs



- **Long Life - 12,000 hours (4-Pin) 10,000 hours (2-Pin)** - Low Maintenance costs
- **Energy Efficient** - Low electricity costs - up to 80% savings compared to GLS lamps
- **Slim and compact design** - High light output from smaller fixtures
- **Available in 2 and 4 pin versions** - 4 pin version is dimmable with electronic control gear
- **High quality triphosphor coating** - Excellent colour rendering, CRI Ra 82 - colours look true to life

Ideal applications include shops, offices, hallways and corridors and emergency/battery units.



Catalogue on line
www.GELighting.com



Biax™S - 2 Pin - Internal Starter - Cap G23

Watts	Length mm	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
5	107,8	F5BX/827	0,18	1B	2700	250
5	107,8	F5BX/840	0,18	1B	4000	250
7	136,8	F7BX/827	0,18	1B	2700	400
7	136,8	F7BX/830	0,18	1B	3000	400
7	136,8	F7BX/835	0,18	1B	3500	400
7	136,8	F7BX/840	0,18	1B	4000	400
7	136,8	F7BX/865	0,18	1B	6500	400
9	167,3	F9BX/827	0,18	1B	2700	600
9	167,3	F9BX/830	0,18	1B	3000	600
9	167,3	F9BX/835	0,18	1B	3500	600
9	167,3	F9BX/840	0,18	1B	4000	600
9	167,3	F9BX/865	0,18	1B	6500	600
11	237,3	F11BX/827	0,155	1B	2700	900
11	237,3	F11BX/830	0,155	1B	3000	900
11	237,3	F11BX/835	0,155	1B	3500	900
11	237,3	F11BX/840	0,155	1B	4000	900
11	237,3	F11BX/865	0,155	1B	6500	900

Biax™ S/E - 4 Pin - External Starter - Cap 2G7

Watts	Length mm	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
5	93,3	F5BX/827/4P	0,18	1B	2700	2900
5	93,3	F5BX/840/4P	0,18	1B	4000	2900
7	122,3	F7BX/827/4P	0,175	1B	2700	2900
7	122,3	F7BX/840/4P	0,175	1B	4000	2900
9	152,8	F9BX/827/4P	0,17	1B	2700	3500*
9	152,8	F9BX/840/4P	0,17	1B	4000	3500
11	222,8	F11BX/827/4P	0,155	1B	2700	3500
11	222,8	F11BX/840/4P	0,155	1B	4000	4850

Biax™ D and D/E

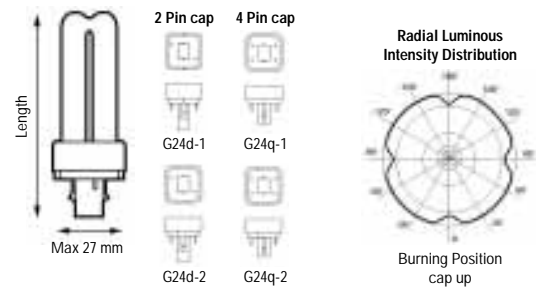


Slim and compact design gives high light output from smaller fixtures, particularly useful for recessed ceilings where space is tight



- **Long Life - 12,000 hours (4-Pin) 10,000 hours (2-Pin) - Low Maintenance costs**
- **Energy Efficient - Low electricity costs**
- up to 80% savings compared to GLS lamps
- **Available in 2 and 4 pin versions**
- 4 pin version is dimmable with HF electronic control gear
- **High quality triphosphor coating - Excellent colour rendering - colours look true to life**

Ideal for use in recessed ceiling lights in shops, offices, entrances and reception areas. Also use for perimeter, ambient and general lighting



Biax™D - 2 Pin - Internal Starter

Watts	Length mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
10	108,5	G24d-1	F10DBX/827	0,190	1B	2700	600
10	108,5	G24d-1	F10DBX/830	0,190	1B	3000	600
10	108,5	G24d-1	F10DBX/835	0,190	1B	3500	600
10	108,5	G24d-1	F10DBX/840	0,190	1B	4000	600
10	108,5	G24d-1	F10DBX/865	0,190	1B	6500	600
13	133	G24d-1	F13DBX/827	0,175	1B	2700	900
13	133	G24d-1	F13DBX/830	0,175	1B	3000	900
13	133	G24d-1	F13DBX/835	0,175	1B	3500	900
13	133	G24d-1	F13DBX/840	0,175	1B	4000	900
13	133	G24d-1	F13DBX/865	0,175	1B	6500	900
18	154	G24d-2	F18DBX/827	0,220	1B	2700	1200
18	154	G24d-2	F18DBX/830	0,220	1B	3000	1200
18	154	G24d-2	F18DBX/835	0,220	1B	3500	1200
18	154	G24d-2	F18DBX/840	0,220	1B	4000	1200
18	154	G24d-2	F18DBX/865	0,220	1B	6500	1200
26	169,5	G24d-2	F26DBX/827	0,325	1B	2700	1800
26	169,5	G24d-2	F26DBX/830	0,325	1B	3000	1800
26	169,5	G24d-2	F26DBX/835	0,325	1B	3500	1800
26	169,5	G24d-2	F26DBX/840	0,325	1B	4000	1800
26	169,5	G24d-2	F26DBX/865	0,325	1B	6500	1800

Biax™D/E - 4 Pin - External Starter

Watts	Length mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
10	101	G24q-1	F10DBX/827/4P	0,19	1B	2700	600
10	101	G24q-1	F10DBX/830/4P	0,19	1B	3000	600
10	101	G24q-1	F10DBX/835/4P	0,19	1B	3500	600
10	101	G24q-1	F10DBX/840/4P	0,19	1B	4000	600
13	125,5	G24q-1	F13DBX/827/4P	0,17	1B	2700	900
13	125,5	G24q-1	F13DBX/830/4P	0,17	1B	3000	900
13	125,5	G24q-1	F13DBX/835/4P	0,17	1B	3500	900
13	125,5	G24q-1	F13DBX/840/4P	0,17	1B	4000	900
18	146,5	G24q-2	F18DBX/827/4P	0,22	1B	2700	1200
18	146,5	G24q-2	F18DBX/830/4P	0,22	1B	3000	1200
18	146,5	G24q-2	F18DBX/835/4P	0,22	1B	3500	1200
18	146,5	G24q-2	F18DBX/840/4P	0,22	1B	4000	1200
26	162	G24q-2	F26DBX/827/4P	0,315	1B	2700	1800
26	162	G24q-2	F26DBX/830/4P	0,315	1B	3000	1800
26	162	G24q-2	F26DBX/835/4P	0,315	1B	3500	1800
26	162	G24q-2	F26DBX/840/4P	0,315	1B	4000	1800

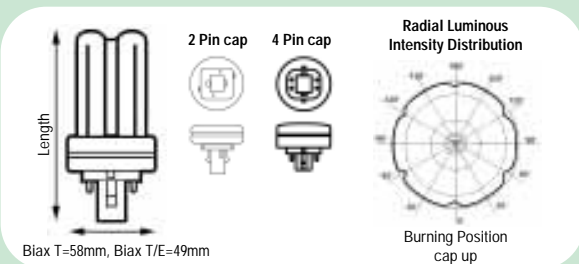
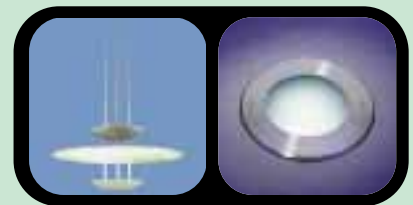


Compact size using 6 leg technology gives high light output from small fixtures and downlighters



- **Universal burning position** - flexibility of use
- **Long Life** - 12,000 hours (4-Pin), 10,000 hours (2-Pin) - low maintenance costs
- **Energy Efficient** - low electricity costs - up to 80% savings compared to GLS lamps
- **Amalgam Technology** - stable light output and optimum performance in enclosed fixtures both interior and exterior
- **Slim base 49mm** - can be used in a wider range of applications
- **High quality triphosphor coating** - excellent colour rendering - colours look true to life
- **42W version available** (3200 Lumens)

Ideal for compact recessed areas where higher light levels are required for example in shops with high ceilings and exterior applications. Also use in offices, receptions, hallways and corridors.



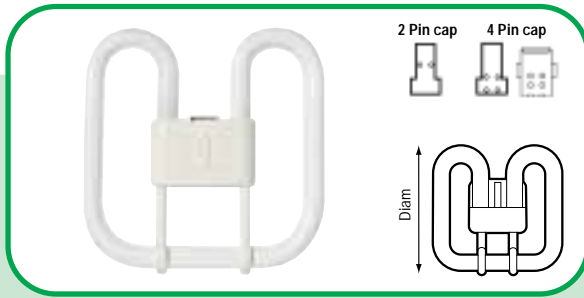
Biax™ T - 2 Pin - Internal Starter

Watts	Length mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
13	108	GX24d-1	F13TBX/827/ A	0.175	1B	2700	890
13	108	GX24d-1	F13TBX/830/ A	0.175	1B	3000	890
13	108	GX24d-1	F13TBX/835/ A	0.175	1B	3500	890
13	108	GX24d-1	F13TBX/840/ A	0.175	1B	4000	890
13	108	GX24d-1	F13TBX/865/ A	0.175	1B	6500	890
18	123	GX24d-2	F18TBX/827/ A	0.220	1B	2700	1150
18	123	GX24d-2	F18TBX/830/ A	0.220	1B	3000	1150
18	123	GX24d-2	F18TBX/835/ A	0.220	1B	3500	1150
18	123	GX24d-2	F18TBX/840/ A	0.220	1B	4000	1150
18	123	GX24d-2	F18TBX/865/ A	0.220	1B	6500	1150
26	133	GX24d-3	F26TBX/827	0.325	1B	2700	1710
26	133	GX24d-3	F26TBX/830	0.325	1B	3000	1710
26	133	GX24d-3	F26TBX/835	0.325	1B	3500	1710
26	133	GX24d-3	F26TBX/840	0.325	1B	4000	1710
26	133	GX24d-3	F26TBX/865	0.325	1B	6500	1710

Biax™ T/E - 4 Pin - External Starter

Watts	Length mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
13	108	GX24q-1	F13TBX/827/A/4P	0.175	1B	2700	890
13	108	GX24q-1	F13TBX/830/A/4P	0.175	1B	3000	890
13	108	GX24q-1	F13TBX/835/A/4P	0.175	1B	3500	890
13	108	GX24q-1	F13TBX/840/A/4P	0.175	1B	4000	890
18	123	GX24q-2	F18TBX/827/A/4P	0.220	1B	2700	1150
18	123	GX24q-2	F18TBX/830/A/4P	0.220	1B	3000	1150
18	123	GX24q-2	F18TBX/835/A/4P	0.220	1B	3500	1150
18	123	GX24q-2	F18TBX/840/A/4P	0.220	1B	4000	1150
26	133	GX24q-3	F26TBX/827/A/4P	0.325	1B	2700	1710
26	133	GX24q-3	F26TBX/830/A/4P	0.325	1B	3000	1710
26	133	GX24q-3	F26TBX/835/A/4P	0.325	1B	3500	1710
26	133	GX24q-3	F26TBX/840/A/4P	0.325	1B	4000	1710
32	150	GX24q-3	F32TBX/827/A/4P	0.320	1B	2700	2200
32	150	GX24q-3	F32TBX/830/A/4P	0.320	1B	3000	2200
32	150	GX24q-3	F32TBX/835/A/4P	0.320	1B	3500	2200
32	150	GX24q-3	F32TBX/840/A/4P	0.320	1B	4000	2200
42	162	GX24-q4	F42TBX/827/A/4P	0.320	1B	2700	3200
42	162	GX24-q4	F42TBX/830/A/4P	0.320	1B	3000	3200
42	162	GX24-q4	F42TBX/835/A/4P	0.320	1B	3500	3200
42	162	GX24-q4	F42TBX/840/A/4P	0.320	1B	4000	3200

Biax™ 2D™



- **Long Life - 10,000 hours** - Low Maintenance costs
- **Energy Efficient** - Low electricity costs - up to 75% reduced electricity costs compared to GLS lamps
- **Available in 2 and 4 pin versions** - 4 pin version is dimmable on HF electronic control gear - ideal for emergency lighting applications
- **Central lamp cap** - No end shadowing, even light distribution no dark areas
- **High quality triphosphor coating** - Excellent colour rendering - colours look true to life

Distinctive Compact Design.
Circular light output spreads over large area - no need for expensive optics in the fixture.



Suitable for use in circular or square fittings either wall or ceiling mounted both for interiors and exteriors



Biax™ 2D™ - 2 Pin

Watts	Diam mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
16	140	GR8	F162D/827	0.195	1B	2700	1050
16	140	GR8	F162D/835	0.195	1B	3500	1050
16	140	GR8	F162D/860	0.195	1B	6000	1050
28	202	GR8	F282D/827	0.320	1B	2700	2050

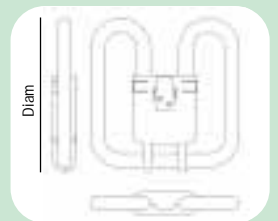
Biax™ 2D™/ E - 4 Pin

Watts	Diam mm	Cap	Product Description	Amps (mA)	Colour Rendering Group	CCT °K	Initial Lumens
10	92	GR10	F102D/827/4P	0.180	1B	2700	650
10	92	GR10	F102D/835/4P	0.180	1B	3500	650
16	140	GR10	F162D/827/4P	0.195	1B	2700	1050
16	140	GR10	F162D/835/4P	0.195	1B	3500	1050
21	140	GR10	F212D/827/4P	0.260	1B	2700	1350
21	140	GR10	F212D/835/4P	0.260	1B	3500	1350
21	140	GR10	F212D/860/4P	0.260	1B	6000	1350
28	202	GR10	F282D/827/4P	0.320	1B	2700	2050
28	202	GR10	F282D/835/4P	0.320	1B	3500	2050
28	202	GR10	F282D/840/4P	0.320	1B	4000	2050
38	202	GR10	F382D/827/4P	0.430	1B	2700	2850
38	202	GR10	F382D/835/4P	0.430	1B	3500	2850
55	202	GRY10q-3	F552D/827/4P	0.700	1B	2700	4000
55	202	GRY10q-3	F552D/835/4P	0.700	1B	3500	4000

2D with integral Ballast



New generation of 2D lamps with integral electronic ballast for easy and efficient integration into the design of new fittings.



18W, 30W and 40W

10,000 hours life

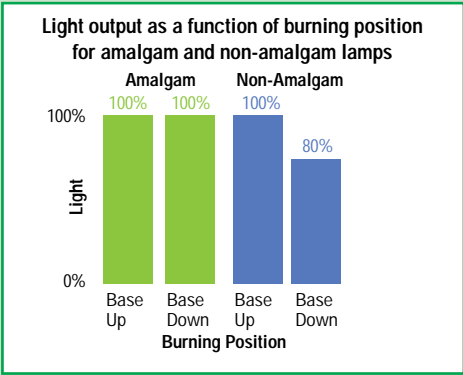
Wide range of colours (2700°K, 3000°K, 3500°K and 4000°K)

CRI Ra 82

GRZ-10d* (18W) and GRZ-10t* (30 and 40W) cap (inverted to minimise overall depth)

Initial lumens: 1150 (18W), 2050 (30W), 2850 (40W)

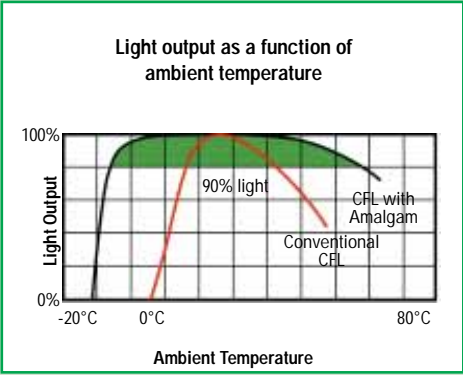
Diameter: 141mm (18W), 206mm (30W and 40W)



Amalgam Technology

Biax™ T and some higher wattage Biax™ 2D™ lamps use Amalgam technology for superior performance.

- More consistent lumen performance
- Light output is not affected by lamp burning position
- Can be used outdoors - lamp gives 90% of its maximum lumen output between -5°C and 65°C
- Can be started at -20 °C
- No light loss in enclosed fixtures
- Tight control of lamp mercury content (under 5mg)



Technical Catalogue
www.GELighting.com

The 3500 colour temperature is unique to GE Lighting's compact fluorescent range which provides maximum compatibility.

Biax™ 2D™ LIGHTING FOR THE FUTURE



Second place
Emmanuel Lidberg, Sweden

Third place
Yves Evrard, France



The Biax™ 2D™ Design Contest was run throughout Europe and attracted nearly five hundred entries from fourteen countries. Professional designers and students were invited to submit detailed design drawings for new fitting concepts which would benefit from the distinctive shape and performance of the 2D lamp.

Helpful Hints

Are there any issues with frequent switching of Compact Fluorescent lamps?

Compact Fluorescent lamp life is based on six starts per day - more frequent switching will shorten life. Also switching the lamp on for less than 20 minutes will shorten lamp life significantly.

Reason: *part of the lamp needs to regenerate after switching on and this takes about 20 minutes. A shorter on time will cause severe wear the next time the lamp is switched on*

Can I use my Compact Fluorescent lamps with P.I.R.s (Passive Infrared Detectors)?

Compact Fluorescent lamps are suitable for use with P.I.R.s as long as they stay on for at least 20 minutes (see above).

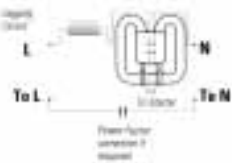
Are plug in Compact Fluorescent lamps suitable for dimming?

The 4-Pin lamps are dimmable, the 2-Pin lamps are not.

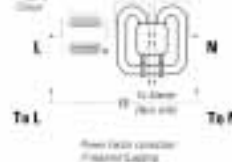
Are there any advantages to group relamping as opposed to spot relamping?

In areas that are difficult to access, for example high ceilings, it is more cost effective to group relamp. This will save labour and equipment costs and ensure that there are no unsightly gaps.

Circuitry (2D 10W, 21W)



Circuitry (2D 16W, 28W, 38W)



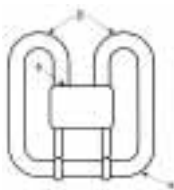
Operating Notes

The 2pin Biax™ 2D™ lamps are unsuitable for dimming circuits or electronic operation and should not be used for this applications.

The 4pin Biax™ 2D™ lamps can be operated electronically and can be dimmed using the appropriate control gear.

The Biax™ 2D™ lamps can be operated in any position except where leg “α” is higher than bends “β” in case of 21W and 38W types. This limitation is necessary to ensure that region Ø of cap is kept as cool as possible.

Do not use a Biax™ 2D™ lamp to replace any other rating of them or in luminaires or circuits designed for any other rating of Biax™ 2D™



Visit the Lighting Solutions Centre and
the on-line Technical Catalogue at
www.GELighting.com



GE Lighting

Fittings images courtesy of Thorn Lighting

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 some specifications from time to time in the interests of product improvement.
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