



Compact  
Fluorescent Lamps  
Non-Integrated





# Compact Fluorescent Lamps Non-Integrated

Efficient, versatile solutions for compact spaces

Compact Fluorescent Lamps (CFL) have an important role to play in terms of protecting the environment through reduced energy consumption and the resulting cut in CO<sub>2</sub> emissions. In addition, the long rated life of CFL Lamps means low maintenance requirements, further reducing the total cost of ownership.

Our attractive range of CFL products includes energy saving Watt-Miser™ Lamps and the low maintenance, extended life LongLast™ range. Whichever you choose, these lamps offer a versatile, high quality solution when space is at a premium, with market-leading life performance and impressive levels of energy efficiency.

- Wide range of colour and wattage (2700 – 6500K, 5 – 70W)
- Dimmability for further cost/energy savings
- Motion detection available with selected drivers
- Wide choice of models for different applications



LONG LIFE



REDUCED MAINTENANCE COSTS



REDUCED CO<sub>2</sub> EMISSION

**WattMiser™**

## CFL Watt-Miser™ Lamps

- 2D™ Watt-Miser™ Lamps are direct replacements for standard 2D™ lamps (16/21/28/38W)
- Compatible with existing control gear for additional energy saving
- 2D shape suitable for broad range of applications – ideal for circular light distribution
- 'A' class energy rating – 5 – 12% extra energy saving
- Market leading life performance up to 15 000 hours

Application areas:

- Residential
- Domestic
- Hotels/motels/restaurants
- Utility areas
- Task lighting
- Emergency lighting

**LongLast™**

## CFL LongLast™ Lamps

- Long service life up to 20 000 hours for significantly reduced replacement and maintenance costs
- Double, triple and quad tube (D/E, T/E, Q/E) options
- Ideal light source for small fixtures and downlighters
- Recommended control gear list and additional technical details (data sheets) at [www.gelighting.com/eu](http://www.gelighting.com/eu)

Application areas:

- Downlighting
- Corridor lighting
- Office buildings
- Hotels/motels
- Restaurants
- Retail

CFL Non-Integrated

CFL Non-Integrated



# GE Compact Fluorescent Lamps Non-Integrated

## Product overview



**Biax™ S – 2-pin**  
 Cap: G23  
 Wattages: 5-7-9-11W  
 Colours: 2700 – 6500K  
 Rated life: 10 000 h



**Biax™ S/E – 4-pin**  
 Cap: 2G7  
 Wattages: 5-7-9-11W  
 Colours: 2700 – 6500K  
 Rated life: 10 000 h  
 11W version available in Red/  
 Green/Blue colours.

Biax™ S



CFL Non-Integrated

CFL Non-Integrated



**Biax™ D – 2-pin**  
 Cap: G24d  
 Wattages: 10-13-18-26W  
 Colours: 2700 – 6500K  
 Rated life: 12 000 h



**LongLast™**  
**Biax™ D/E – 4-pin**  
 Cap: G24q  
 Wattage: 10-13-18-26W  
 Colours: 2700 – 6500K  
 Rated life: 20 000 h

Biax™ D



**LongLast™**  
**Biax™ Q/E – 4-pin**  
 Cap: GX24q  
 Wattages: 57 – 70W  
 Colours: 2700 – 4000K  
 Rated life: 20 000 h

Biax™ Q



**LongLast™**  
**Biax™ L – 4-pin**  
 Cap: 2G11  
 Wattages: 18 – 55W  
 Colours: 2700 – 6500K  
 Rated life: 15 000 – 22 500 h

Biax™ L



**LongLast™**  
**Biax™ T – 2-pin**  
 Cap: GX24d  
 Wattages: 13-18-26W  
 Colours: 2700 – 4000K  
 Rated life: 12 000 h



**LongLast™**  
**Biax™ T/E – 4-pin**  
 Cap: GX24q  
 Wattages: 13-18-26-32-42W  
 Colours: 2700 – 4000K  
 Rated life: 12 000 – 20 000 h

Biax™ T



**WattMiser™**  
**2D™ Watt-Miser™**  
 Cap: GR8, GR10q  
 Wattages: 16 – 38W  
 Colours: 2700 – 6000K  
 Rated life: 12 000 – 15 000 h



**Biax 2D™**  
 Cap: GR10q-3  
 Wattages: 55W  
 Colours: 2700 – 3500K  
 Rated life: 10 000 h



**WattMiser™**  
**Biax™ 2D™ Integral**  
 Cap: GR210d  
 Wattages: 18W  
 Colours: 3500K  
 Rated life: 10 000 h

2D™



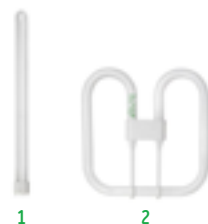
# Compact Fluorescent Lamps Non-Integrated

| Model   | Wattage (W) | Volts (V) | Cap  | Product Description | Product Code | Lumen (lm) | CCT (K) | CRI (Ra) | Rated life (h) | Diameter (mm) | Length (mm) | Energy Consumption (kWh) | EEC | Pack Qty |
|---|-------------|-----------|------|---------------------|--------------|------------|---------|----------|----------------|---------------|-------------|--------------------------|-----|----------|
| <b>Biax™ L 4-pin, External Starter Required</b> |             |           |      |                     |              |            |         |          |                |               |             |                          |     |          |
| 1   | 18          | 58        | 2G11 | F18BX/827           | 41087        | 1 250      | 2700    | 82       | 15 000*        | 43.8          | 231.3       | 17.6                     | A   | 25       |
| 1   | 18          | 58        | 2G11 | F18BX/830           | 41088        | 1 250      | 3000    | 82       | 15 000*        | 43.8          | 231.3       | 17.6                     | A   | 25       |
| 1   | 18          | 58        | 2G11 | F18BX/835           | 41089        | 1 250      | 3500    | 82       | 15 000*        | 43.8          | 231.3       | 17.6                     | A   | 25       |
| 1   | 18          | 58        | 2G11 | F18BX/840           | 41090        | 1 250      | 4000    | 82       | 15 000*        | 43.8          | 231.3       | 17.6                     | A   | 25       |
| 1   | 24          | 87        | 2G11 | F24BX/827           | 41128        | 1 800      | 2700    | 82       | 15 000*        | 43.8          | 326.8       | 24.2                     | A   | 25       |
| 1   | 24          | 87        | 2G11 | F24BX/830           | 41134        | 1 800      | 3000    | 82       | 15 000*        | 43.8          | 326.8       | 24.2                     | A   | 25       |
| 1   | 24          | 87        | 2G11 | F24BX/835           | 41145        | 1 800      | 3500    | 82       | 15 000*        | 43.8          | 326.8       | 24.2                     | A   | 25       |
| 1   | 24          | 87        | 2G11 | F24BX/840           | 41155        | 1 800      | 4000    | 82       | 15 000*        | 43.8          | 326.8       | 24.2                     | A   | 25       |
| 1   | 34          | 120       | 2G11 | F34BX/830           | 41163        | 2 800      | 3000    | 82       | 15 000*        | 43.8          | 538.8       | 33                       | A+  | 25       |
| 1   | 34          | 120       | 2G11 | F34BX/835           | 41166        | 2 800      | 3500    | 82       | 15 000*        | 43.8          | 538.8       | 33                       | A+  | 25       |
| 1   | 34          | 120       | 2G11 | F34BX/840           | 41167        | 2 800      | 4000    | 82       | 15 000*        | 43.8          | 538.8       | 33                       | A+  | 25       |
| 1   | 36          | 106       | 2G11 | F36BX/827           | 41307        | 2 900      | 2700    | 82       | 15 000*        | 43.8          | 421.8       | 36.6                     | A+  | 25       |
| 1   | 36          | 106       | 2G11 | F36BX/830           | 41168        | 2 900      | 3000    | 82       | 15 000*        | 43.8          | 421.8       | 36.6                     | A+  | 25       |
| 1   | 36          | 106       | 2G11 | F36BX/835           | 41169        | 2 900      | 3500    | 82       | 15 000*        | 43.8          | 421.8       | 36.6                     | A+  | 25       |
| 1   | 36          | 106       | 2G11 | F36BX/840           | 41170        | 2 900      | 4000    | 82       | 15 000*        | 43.8          | 421.8       | 36.6                     | A+  | 25       |
| 1   | 36          | 106       | 2G11 | F36BX/865           | 75694        | 2 750      | 6500    | 82       | 15 000*        | 43.8          | 421.8       | 36.6                     | A   | 25       |

\* Life on electronic gear 12h-cycle

| <b>2D™ Watt-Miser™</b> |    |     |       |                               |        |       |      |    |        |     |     |      |   |    |
|------------------------|----|-----|-------|-------------------------------|--------|-------|------|----|--------|-----|-----|------|---|----|
| 2                      | 16 | 103 | GR8   | F162D/835                     | 41745* | 1 100 | 3500 | 82 | 12 000 | 138 | 142 | 18.8 | A | 20 |
| 2                      | 16 | 103 | GR10q | F162D/827/4P                  | 41746* | 1 100 | 2700 | 82 | 12 000 | 138 | 142 | 15.4 | A | 20 |
| 2                      | 16 | 103 | GR10q | F162D/835/4P                  | 41747* | 1 100 | 3500 | 82 | 12 000 | 138 | 142 | 15.4 | A | 20 |
| 2                      | 16 | 103 | GR8   | F162D/T4/827/2P GE HB 1/10 WM | 85135  | 1 100 | 2700 | 82 | 12 000 | 138 | 142 | 18.8 | A | 10 |
| 2                      | 16 | 103 | GR8   | F162D/T4/835/2P GE HB 1/10 WM | 85138  | 1 100 | 3500 | 82 | 12 000 | 138 | 142 | 18.8 | A | 10 |
| 2                      | 16 | 103 | GR10q | F162D/T4/827/4P GE HB 1/10 WM | 85141  | 1 100 | 2700 | 82 | 12 000 | 138 | 142 | 15.4 | A | 10 |
| 2                      | 16 | 103 | GR10q | F162D/T4/835/4P GE HB 1/10 WM | 85142  | 1 100 | 3500 | 82 | 12 000 | 138 | 142 | 15.4 | A | 10 |
| 2                      | 16 | 103 | GR8   | F162D/T4/860/2P GE HB 1/10 WM | 85140  | 1 050 | 6000 | 82 | 12 000 | 138 | 142 | 18.8 | A | 10 |
| 2                      | 21 | 103 | GR10q | F212D/827/4P                  | 41794* | 1 375 | 2700 | 82 | 12 000 | 138 | 142 | 20.9 | A | 20 |
| 2                      | 21 | 103 | GR10q | F212D/835/4P                  | 41806* | 1 375 | 3500 | 82 | 12 000 | 138 | 142 | 20.9 | A | 20 |
| 2                      | 21 | 103 | GR10q | F212D/860/4P                  | 41808* | 1 305 | 6000 | 82 | 12 000 | 138 | 142 | 20.9 | A | 20 |
| 2                      | 21 | 103 | GR10q | F212D/T4/827/4P GE HB 1/10 WM | 85143  | 1 375 | 2700 | 82 | 12 000 | 138 | 142 | 20.9 | A | 10 |
| 2                      | 21 | 103 | GR10q | F212D/T4/835/4P GE HB 1/10 WM | 85144  | 1 375 | 3500 | 82 | 12 000 | 138 | 142 | 20.9 | A | 10 |
| 2                      | 21 | 103 | GR10q | F212D/T4/860/4P GE HB 1/10 WM | 85145  | 1 305 | 6000 | 82 | 12 000 | 138 | 142 | 20.9 | A | 10 |
| 2                      | 28 | 108 | GR8   | F282DT5/827/2P                | 10546* | 2 150 | 2700 | 82 | 15 000 | 202 | 204 | 31.8 | A | 20 |
| 2                      | 28 | 108 | GR10q | F282DT5/827/4P                | 10547* | 2 150 | 2700 | 82 | 15 000 | 202 | 204 | 27   | A | 20 |
| 2                      | 28 | 108 | GR10q | F282DT5/835/4P                | 10567* | 2 150 | 3500 | 82 | 15 000 | 202 | 204 | 27   | A | 20 |
| 2                      | 28 | 108 | GR10q | F282DT5/840/4P                | 10548* | 2 150 | 4000 | 82 | 15 000 | 202 | 204 | 27   | A | 20 |

\* Will be phased out without direct substitute



1 2

# Compact Fluorescent Lamps Non-Integrated



| Wattage (W)            | Volts (V) | Cap   | Product Description            | Product Code | Lumen (lm) | CCT (K) | CRI (Ra) | Rated life (h) | Diameter (mm) | Length (mm) | Energy Consumption (kWh) | EEC | Pack Qty | Model |
|------------------------|-----------|-------|--------------------------------|--------------|------------|---------|----------|----------------|---------------|-------------|--------------------------|-----|----------|-------|
| <b>2D™ Watt-Miser™</b> |           |       |                                |              |            |         |          |                |               |             |                          |     |          |       |
| 28                     | 108       | GR8   | F282D/T5/827/2P GE HB 1/10 WM  | 85109        | 2 150      | 2700    | 82       | 15 000         | 202           | 204         | 31.8                     | A   | 20       | 2     |
| 28                     | 108       | GR10q | F282D/T5/827/4P GE HB 1/10 WM  | 85118        | 2 150      | 2700    | 82       | 15 000         | 202           | 204         | 27                       | A   | 20       | 2     |
| 28                     | 108       | GR10q | F282D/T5/830/4P GE HB 1/10 WM  | 85120        | 2 150      | 3000    | 82       | 15 000         | 202           | 204         | 27                       | A   | 20       | 2     |
| 28                     | 108       | GR10q | F282D/T5/835/4P GE HB 1/10 WM  | 85130        | 2 150      | 3500    | 82       | 15 000         | 202           | 204         | 27                       | A   | 20       | 2     |
| 28                     | 108       | GR10q | F282D/T5/840/4P GE HB 1/10 WM  | 85132        | 2 150      | 4000    | 82       | 15 000         | 202           | 204         | 27                       | A   | 20       | 2     |
| 38                     | 110       | GR10q | F382DT5/827/4P                 | 10550*       | 3 020      | 2700    | 82       | 15 000         | 202           | 204         | 38                       | A   | 20       | 2     |
| 38                     | 110       | GR10q | F382DT5/835/4P                 | 10566*       | 3 020      | 3500    | 82       | 15 000         | 202           | 204         | 38                       | A   | 20       | 2     |
| 38                     | 110       | GR10q | F382D/T5/827/4P GE HB 1/10 WM  | 85133        | 3 020      | 2700    | 82       | 15 000         | 202           | 204         | 38                       | A   | 10       | 2     |
| 38                     | 110       | GR10q | F382D/T5/835/4P GE HB 1/10 WM  | 85134        | 3 020      | 3500    | 82       | 15 000         | 202           | 204         | 38                       | A   | 10       | 2     |
| 38                     | 110       | GR10q | F382D/T5/860/4P LEG HB 1/10 WM | 85151        | 2 860      | 6000    | 82       | 15 000         | 202           | 204         | 38                       | A   | 10       | 2     |

\* Will be phased out, pack change from blister to hanging box

| <b>Biax™ 2D™</b> |    |        |                                 |       |       |      |    |        |     |     |      |   |    |   |
|------------------|----|--------|---------------------------------|-------|-------|------|----|--------|-----|-----|------|---|----|---|
| 55               | 98 | GR10q3 | F552D/T5/827/4P A LEG HB 1/10   | 85148 | 3 900 | 2700 | 82 | 10 000 | 202 | 204 | 61.6 | A | 10 | 3 |
| 55               | 98 | GR10q3 | F552D/T5/830/4P A/T LEG HB 1/10 | 85149 | 3 900 | 3000 | 82 | 10 000 | 202 | 204 | 61.6 | A | 10 | 3 |
| 55               | 98 | GR10q3 | F552D/T5/835/4P A LEG HB 1/10   | 85150 | 3 900 | 3500 | 82 | 10 000 | 202 | 204 | 61.6 | A | 10 | 3 |
| 55               | 98 | GR10q3 | F552D/T5/830/4P                 | 78339 | 3 900 | 3000 | 82 | 10 000 | 202 | 204 | 61.6 | A | 20 | 3 |

| <b>Biax™ 2D™ Watt-Miser™ with Integral Control Gear</b> |         |        |                     |        |       |      |    |        |     |     |    |   |    |   |
|---|---------|--------|---------------------|--------|-------|------|----|--------|-----|-----|----|---|----|---|
| 18  | 220-240 | GRZ10d | FLE18W2D/835 GRZ10D | 18123* | 1 200 | 3500 | 82 | 10 000 | 138 | 142 | 16 | A | 10 | 4 |

\* Will be phased out without direct substitute



2 3 4