



GE
Lighting



Biax™ 2D™

OT F10W/2D/835/4P GE BL 1/20

88106

Product information

Biax™ 2D™ compact fluorescent lamps have been available for many years but GE is introducing the next generation of lamps under the name of 2D™ Watt-Miser™. These are available in 16, 21, 28 and 38 Watt in a wide choice of colour temperatures, these lamps are a direct replacement to existing 2D fixtures delivering the same life of 15,000 hours in case of 28 and 38 Watt but additional energy saving performance, 2D™ Watt-Miser™ lamps give similar lumen as the lamps they are replacing but up to 12% energy saving dependent upon ballast and wattage. Saving energy cost: 16W lamp runs on 14W*, 21W lamp runs on 19W*, 28W lamp runs on 24W* and 38W runs on 34W*.

In response to the demand from the market for a higher light output version of the 2D™ lamp, GE offers the 55W using the T5 28W/38W envelope size.

The high luminous efficacy has been retained in the 55W by incorporating an amalgam which overcomes the fall in efficacy that occurs with increased lamp loading. The 55W lamp has a cap with dedicated key. The cap material withstands the higher temperatures generated by the increased lamp power while the modified holder key for the 55W 2D™ will prevent



accidental insertion of any lower rated 2D™ lamp into a 55W socket. The T5 size (14% smaller overall diameter) will allow luminaire manufacturers to design new fittings with improved optical control in addition to the well-known uniformity of light of the Biax™ 2D™ concept.

(*When used with electronic ballast)

Product data

Cap/Base	GR10q
Bulb Shape	2D
Bulb maximum overall diameter [mm]	92
Maximum Overall Length [mm]	95
Net weight per piece [g]	44
Gross weight per piece [g]	105
Operating position	U - Universal
Mercury Content [mg]	4.3
UV radiance	exempt
Brand	General Electric (GE)

Performance data

Colour Code	835
Colour Rendering Index (CRI) [Ra]	82
Nominal correlated colour temperature (CCT) [K]	3500
Nominal lumens [lm]	650
Energy efficiency class (EEC)	A
Rated Life [h]	8000
Nominal power [W]	10
Nominal lamp voltage [V]	60

Electrical data

Weighted energy consumption [kWh/1000h]	10.45
Operating Temperature (MIN) [°C]	-15
Starting ambient temperature range	-15
Dimming Capability	Yes

Logistic data

DUN Code	10043168881064
EAN Code	0043168881067
Pack Quantity	20
Layer quantity	180 EUR, 220 UK
Layer quantity EUR	180
Layer quantity UK	220
Pallet quantity EUR (PC)	1260
Pallet quantity UK (PC)	1540
Outer case size	350 x 250 x 150 (mm)
Product status	Available

Application areas

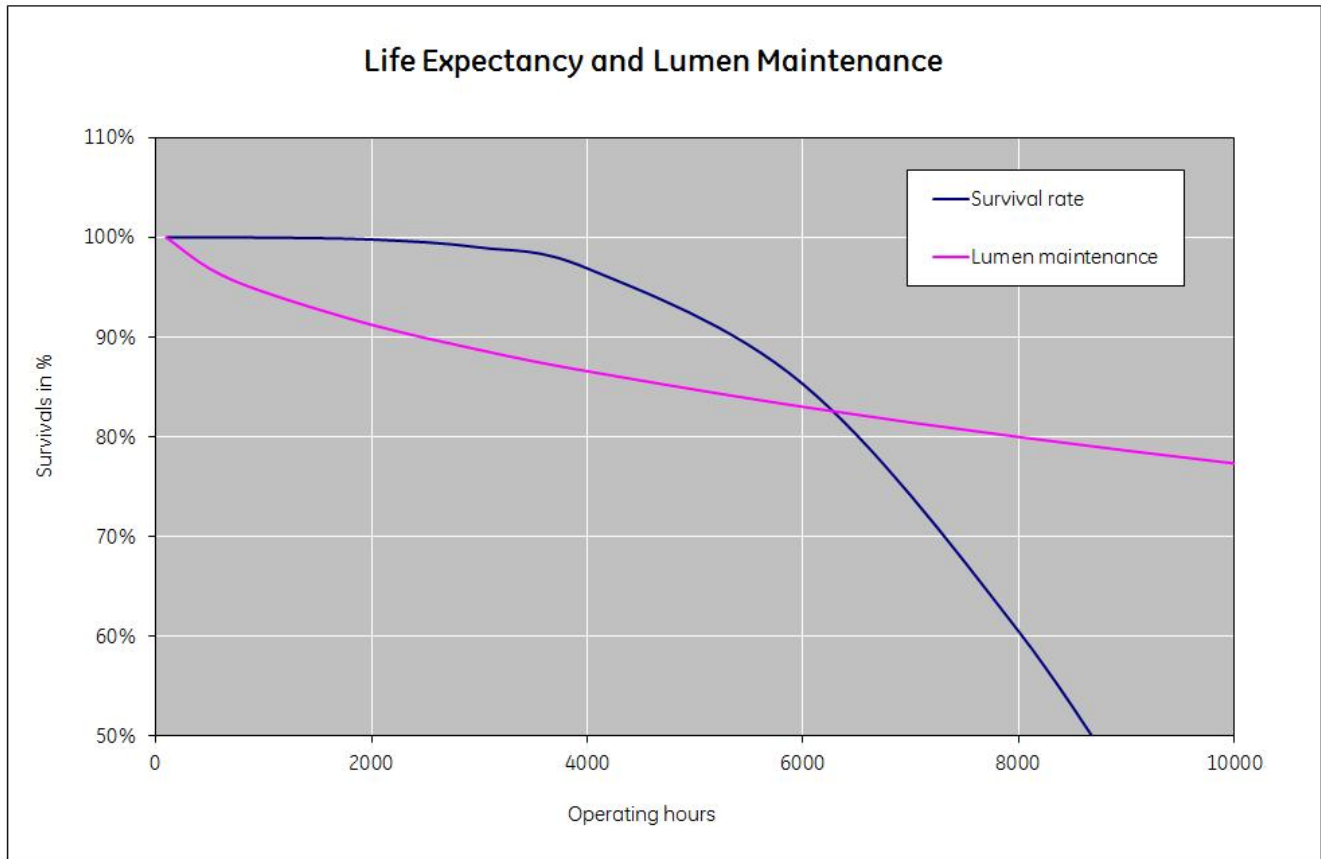


Office



Industrial

Survival Data



Downloads & Links

[Go to the catalog site \(HTTP\)](#)

[CFL Non-Integrated Spectrum Catalogue \(PDF\)](#)

[Lighting design tools & calculators \(HTTP\)](#)

[Disposing and Cleaning of CFL Lamps \(HTTP\)](#)