

19  
kWh/1000h

A  
energy class

67  
lumens/watt

## Biax™ D/E LongLast™ 4-pin, External Starter Req. F18W DBX/T4/835/4P TU 93105899

### Product information

**Biax™ D&D/E LongLast™** lamps are available in 10, 13, 18 and 26 watt ratings, 10 and 13W in T3 tube size, 18 and 26W in T4 tube size and ranging from 101mm to 174mm in length. Five colours are available in two-pin and four-pin caps. A high colour rendering index (CRI) of 82 gives rich, vibrant colour. The lamps are available in warm and cool colour temperatures suitable for a wide variety of environments.

#### Features

- Up to 80% energy saving versus normal incandescent lamps
- Lasts 10 times longer than standard incandescent lamps
- High colour rendering index – 82Ra
- Full range of colour temperatures—2700, 3000, 3500, 4000 and 6500K
- 4-pin lamps for use with electronic gear may be used with dimmers



**Application areas**

- Down lighting
- Corridorlighting
- Wall sconces in office buildings
- Hotels/motels
- Restaurants
- Retail

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**Application  
areas**

Office



Industrial

## Product data

Product Code	93105899
Bulb Shape	Quad plug-in
Bulb maximum overall diameter [mm]	34.4
Maximum Overall Length [mm]	146.5
Net weight per piece [g]	59
Gross weight per piece [g]	83
Operating position	U - Universal
Mercury Content [mg]	3
UV radiance	exempt
Brand	Tungsrám
Cap/Base	G24q-2

## Performance data

Colour Code	835
Rated Lumens [lm]	1200
Weighted energy consumption [kWh/1000h]	18.15
Energy efficiency class (EEC)	A
Rated Life [h]	12000
Rated median life on electronic (HF / ECG) ballast on IEC 12-hour cycle	20000
Rated median life on electronic (HF / ECG) ballast on IEC 3-hour cycle	17000
Nominal correlated colour temperature (CCT) [K]	3500
Nominal lumens [lm]	1200
Colour Rendering Index (CRI) [Ra]	82

## Electrical data

Rated power [W]	16.5
Operating Temperature (MIN) [°C]	-15
Starting ambient temperature range	-15
Dimming Capability	Yes
Nominal power [W]	18
Nominal lamp voltage [V]	100

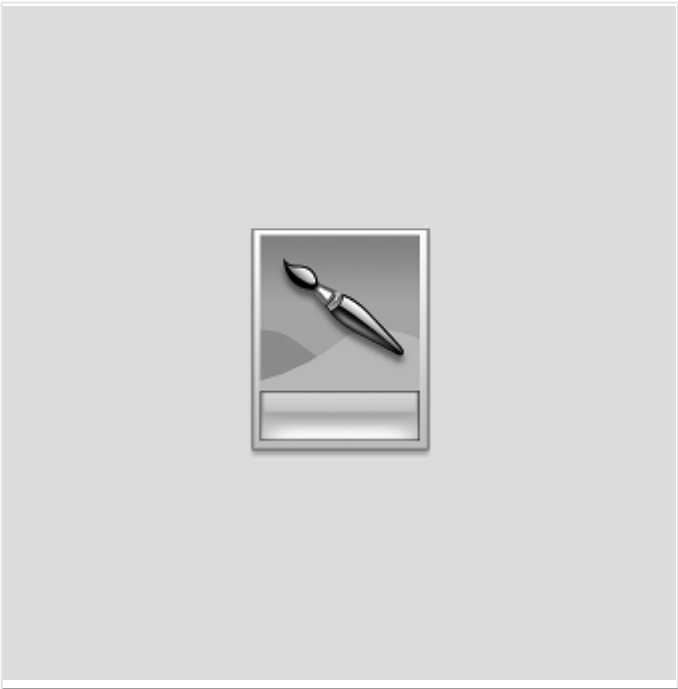
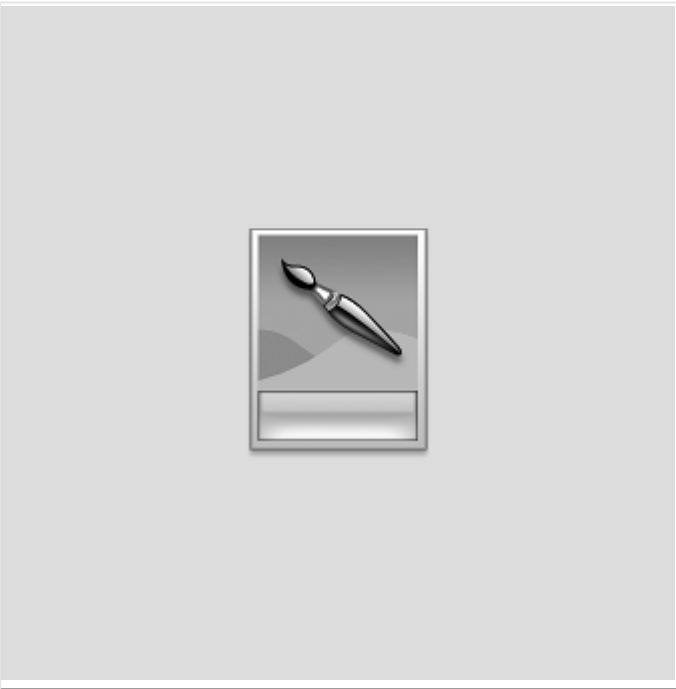
## Logistic data

Shipment	Standard
DUN Code	15994100010439
EAN Code	5994100010432
Pack Quantity	10
Inner pack type	BOX
Layer quantity	600 EUR, 750 UK
Layer quantity EUR	600
Layer quantity UK	750
Pallet quantity EUR (PC)	3600
Pallet quantity UK (PC)	3750
Outer case size	191 x 82 x 172 (mm)
Product status	Available

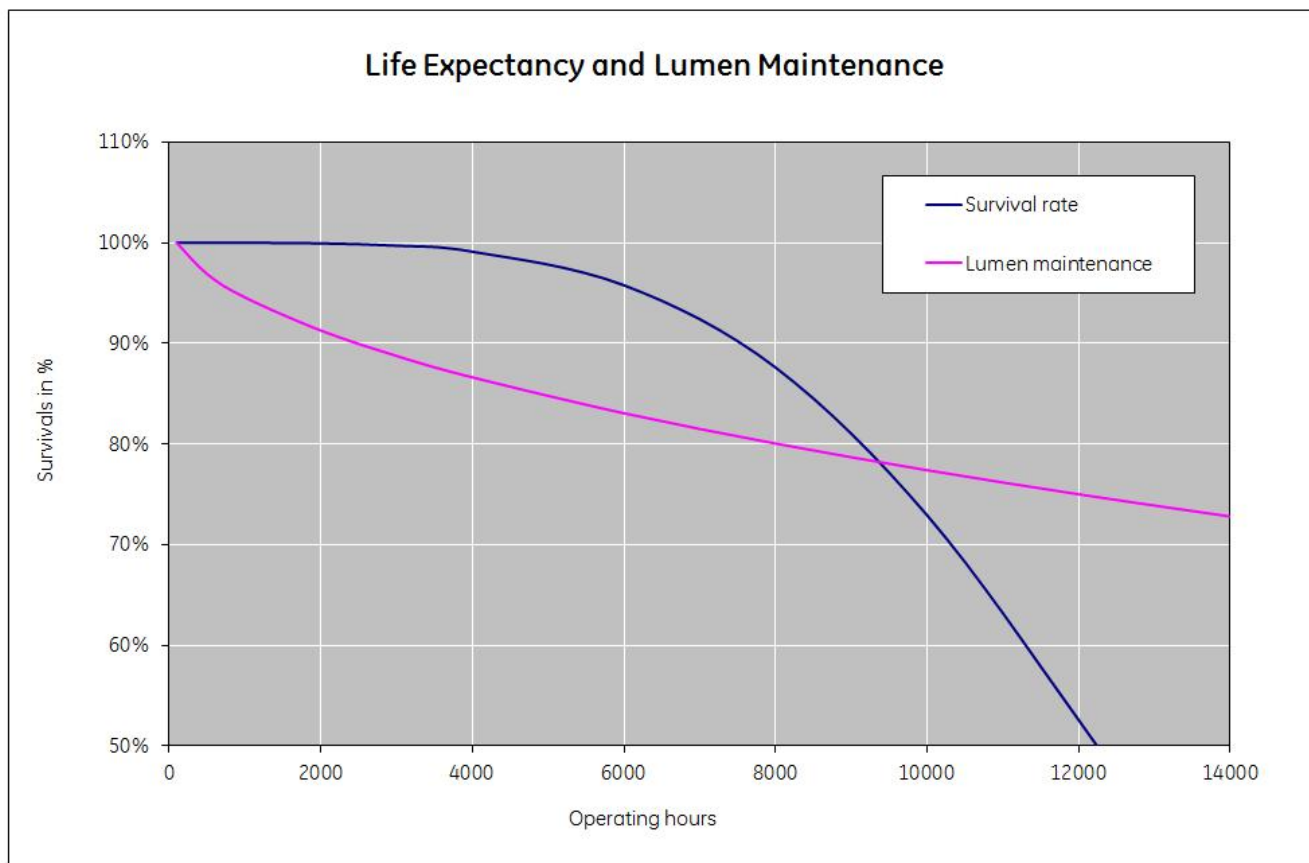


Biax™ D/E LongLast™ 4-pin, External  
Starter Req.  
F18W DBX/T4/835/4P TU  
93105899

Technical drawing



## Survival data



## Downloads & Links

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

[Product family datasheet \(PDF\)](#)

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

[LongLast™ Biax™ D and D/E Data sheet \(PDF\)](#)

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

[High-res images / Technical drawings \(HTTP\)](#)