

15
kWh/1000h

A
energy class

82
lumens/watt

Biax™ S 2-pin, Internal Starter

F11W BX/T4/830/2P TU

93105952

Product information

Biax™ S compact fluorescent lamps can provide savings of up to 73% in energy costs compared to incandescent lamps. Available in 5, 7, 9 and 11 watt ratings, low wattage Biax™ S lamps are ideal for new installations or to replace existing incandescent lamps. These lamps are available in 2700, 3000, 3500, 4000, 5000 and 6500K colour temperatures. The Biax™ S lamps have built-in internal starters. They have a rated average life of 10,000 hours, which results in fewer lamp changes and a reduction in maintenance costs over the life of an installation.

The Biax™ S/E lamps are available in 5, 7, 9 and 11 watt ratings. However, the Biax™ S/E lamps have 4-pin caps without built-in capacitors and starters, they are therefore suitable for operation with electronic control gear and can be used for dimming and emergency lighting applications. Biax™ S/E lamps have the same energy saving benefits and high quality colour rendering as the Biax™ S range. The use of separate electronic ballasts makes them suitable for almost every



kind of energy supply: high and low voltages, accumulators, batteries, solar cells and systems that can be dimmed. When the new fluorescent lamp is installed into dimming system, it is advised to operate lamps for period of 100 hours at full light output.

Application areas



Office



Industrial

Product data

Product Code	93105952
Bulb Shape	Biax Plug-in
Bulb maximum overall diameter [mm]	32
Maximum Overall Length [mm]	237
Net weight per piece [g]	55
Gross weight per piece [g]	73
Operating position	U - Universal
Mercury Content [mg]	3
UV radiance	exempt
Brand	Tungsrám
Cap/Base	G23

Performance data

Colour Code	830
Rated Lumens [lm]	900
Weighted energy consumption [kWh/1000h]	14.69
Energy efficiency class (EEC)	A
Rated Life [h]	10000
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	900
Colour Rendering Index (CRI) [Ra]	82

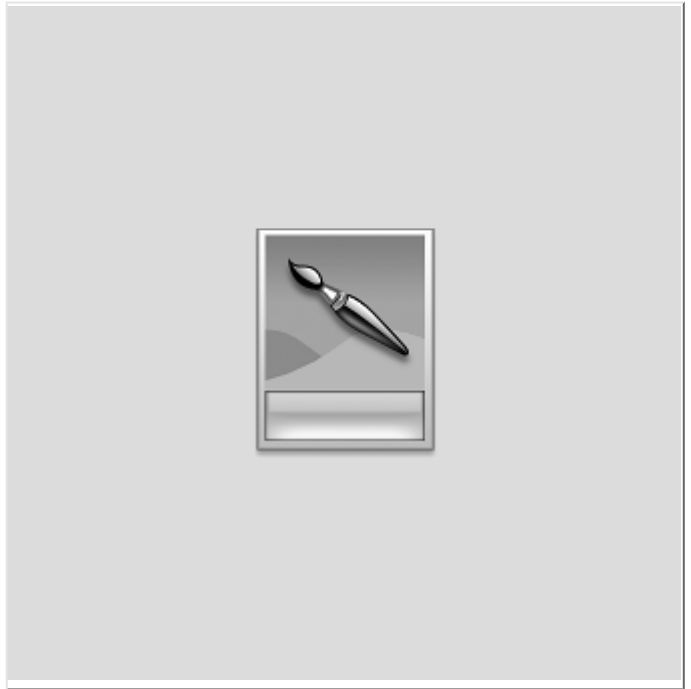
Electrical data

Rated power [W]	11.8
Operating Temperature (MIN) [°C]	-15
Starting ambient temperature range	-15
Dimming Capability	No
Nominal power [W]	11
Nominal lamp voltage [V]	91

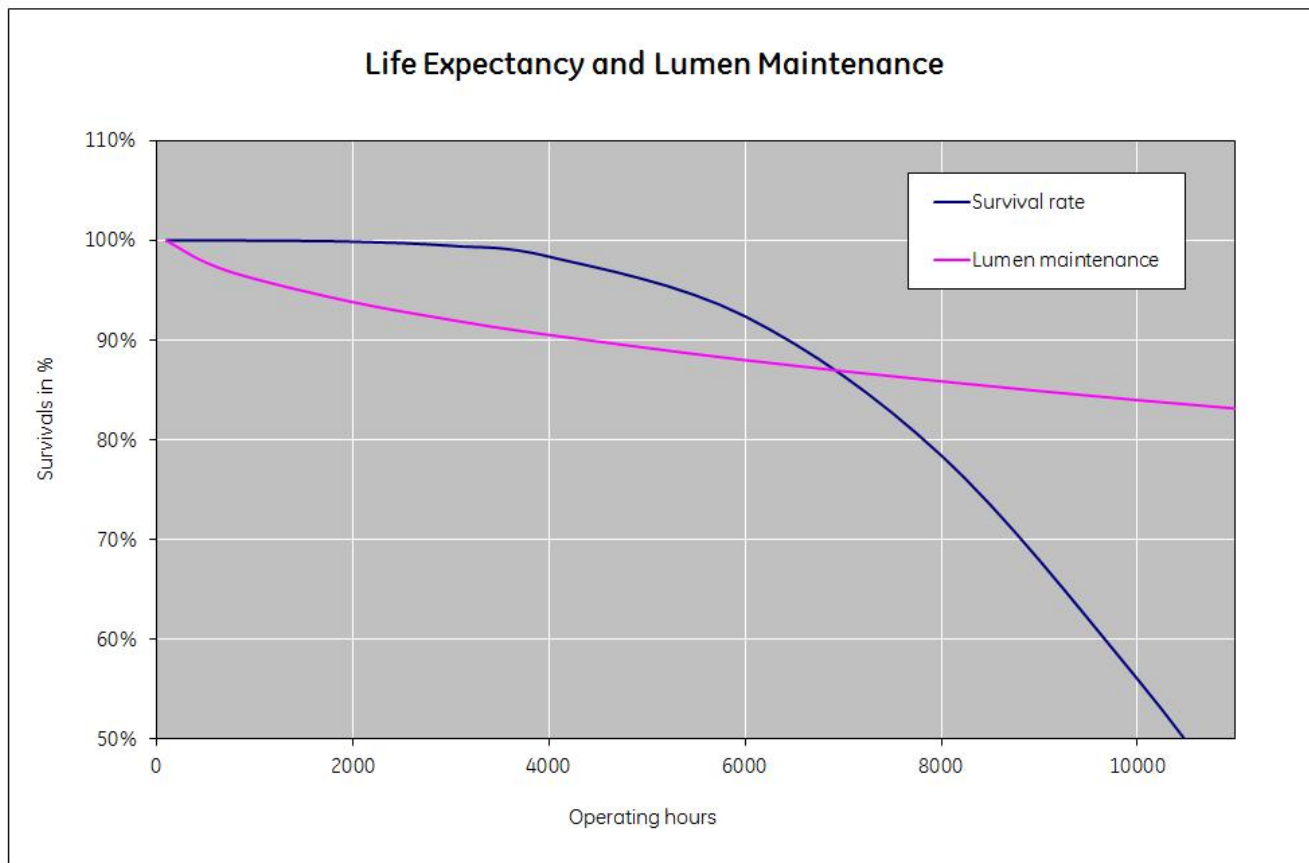
Logistic data

Shipment	Standard
DUN Code	15994100010965
EAN Code	5994100010968
Pack Quantity	10
Layer quantity	800 EUR, 1000 UK
Layer quantity EUR	800
Layer quantity UK	1000
Pallet quantity EUR (PC)	3200
Pallet quantity UK (PC)	3000
Outer case size	191 x 55 x 255 (mm)
Product status	Available

Technical drawing



Survival data



Downloads & Links

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

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

[Longlast™ Biax™ S/E Lamps Data sheet \(PDF\)](#)

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

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