

14  
kWh/1000h

A  
energy class

69  
lumens/watt

## Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Req.

F13W TBX/T4/830/A/4P TU

93105909

### Product information

Ultra compact energy saving CFL lamps with triple-tube design give an ideal light source for small fixtures and downlighters. Biax™ T lamps allow more compact fixture designs with the same lumen output as Biax™ D lamps. They can also be used to deliver higher lumen output from existing designs. The Biax™ T & T/E lamps are electrically interchangeable with Biax™ D and D/E lamps. They are available in 13, 18, 26, 32 and 42W. Light output ranges between 900 and 3200 lumens. Biax™ T/E lamps with a 4-pin electrical connection and without an internal starter are designed for high-frequency electronic ballasts. 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.

Triple biaxial tubes



**TUNGSRAM**<sup>TM</sup>

Biax<sup>TM</sup> T/E LongLast<sup>TM</sup> 4-pin with Amalgam,  
External Starter Req.

F13W TBX/T4/830/A/4P TU

93105909

Application  
areas



Office



Industrial

## Product data

Product Code	93105909
Bulb Shape	Hex plug-in
Bulb maximum overall diameter [mm]	49.3
Maximum Overall Length [mm]	106.2
Net weight per piece [g]	85
Gross weight per piece [g]	125
Operating position	U - Universal
Mercury Content [mg]	1.3
UV radiance	exempt
Brand	Tungsrám
Cap/Base	GX24q-1

## Performance data

Colour Code	830
Rated Lumens [lm]	900
Weighted energy consumption [kWh/1000h]	13.75
Energy efficiency class (EEC)	A
Rated Life [h]	12000
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	900
Colour Rendering Index (CRI) [Ra]	82

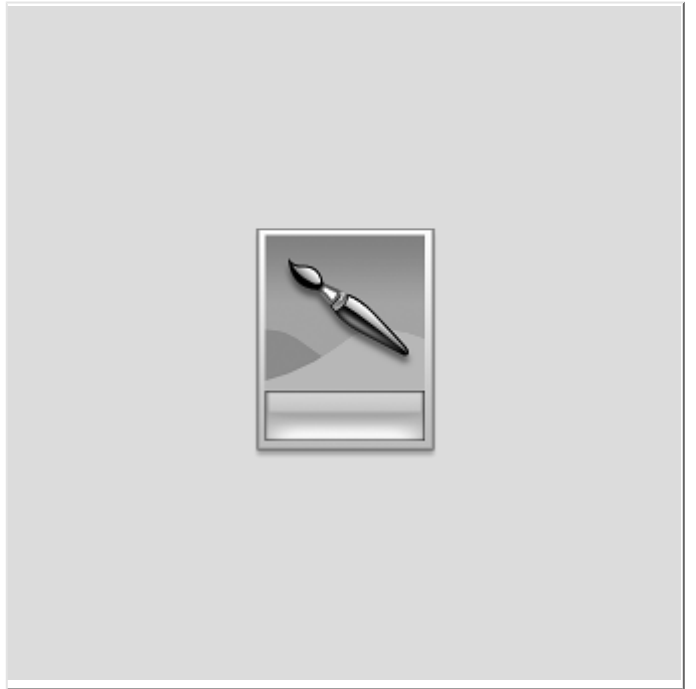
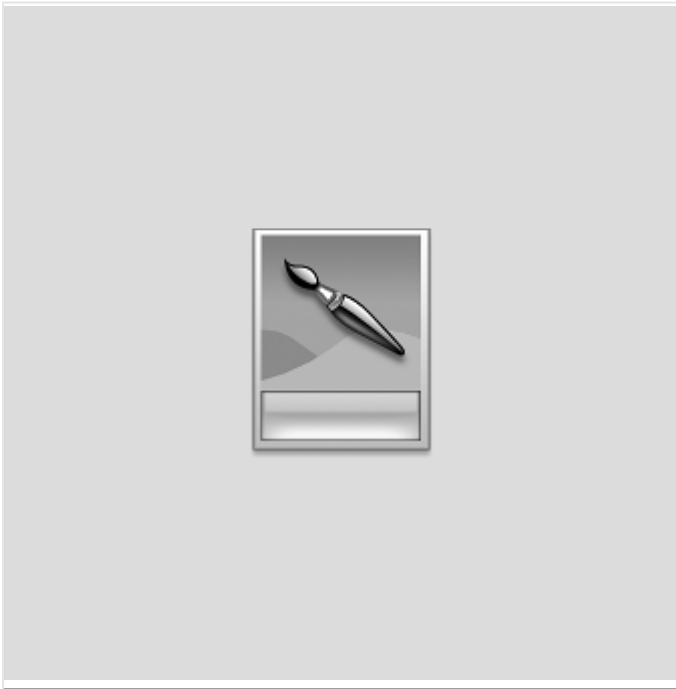
## Electrical data

Rated power [W]	12.5
Operating Temperature (MIN) [°C]	-15
Starting ambient temperature range	-15
Dimming Capability	Yes
Nominal power [W]	13
Nominal lamp voltage [V]	91

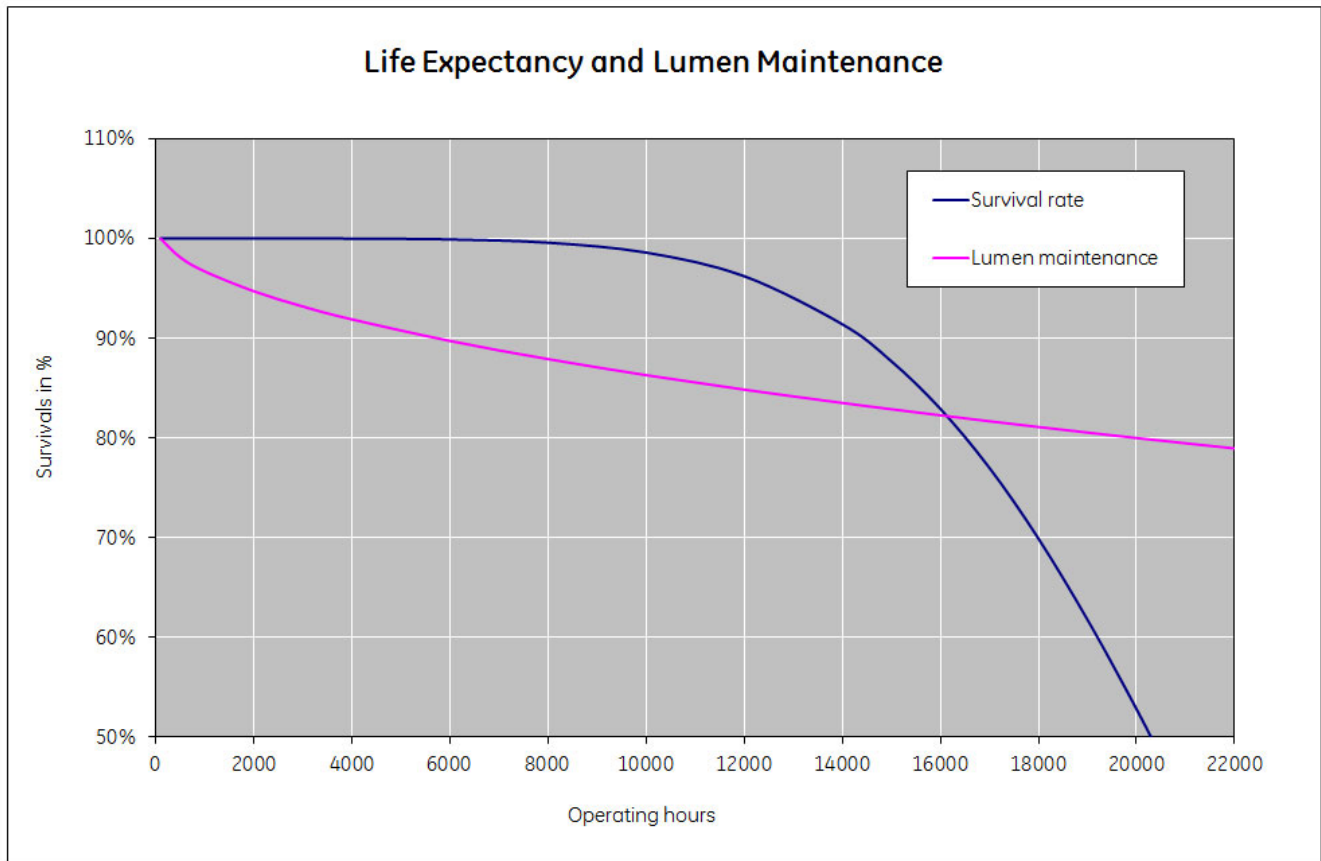
## Logistic data

Shipment	Standard
DUN Code	15994100010538
EAN Code	5994100010531
Pack Quantity	10
Layer quantity	320 EUR, 360 UK
Layer quantity EUR	320
Layer quantity UK	360
Pallet quantity EUR (PC)	2240
Pallet quantity UK (PC)	2520
Outer case size	266 x 108 x 127 (mm)
Product status	Available

Technical drawing



## Survival data



## Downloads & Links

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

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

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

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