# **TUNGSRAM**<sup>™</sup>

Innovation is our heritage EST. 1896





Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4pin 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<sup>™</sup> T lamps allow more compact fixture designs with the same lumen output as Biax<sup>™</sup> D lamps. They can also be used to deliver higher lumen output from existing designs. The Biax<sup>™</sup> T & T/E lamps are electrically interchangeable with Biax<sup>™</sup> D and D/E lamps. They are available in 13, 18, 26, 32 and 42W. Light output ranges between 900 and 3200 lumens. Biax<sup>™</sup> 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

**X** (

#### **TFUNGSRAM**<sup>™</sup> Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4-pin with Amalgam, External Starter Req. F13W TBX/T4/830/A/4P TU 93105909

Application areas





#### **TCUNGSRAM**<sup>™</sup> Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4-pin with Amalgam, External Starter Req. F13W TBX/T4/830/A/4P TU 93105909

### 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	Tungsram
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

#### **TCUNGSRAM**<sup>™</sup> Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4-pin with Amalgam, External Starter Req. F13W TBX/T4/830/A/4P TU 93105909

### Electrical data

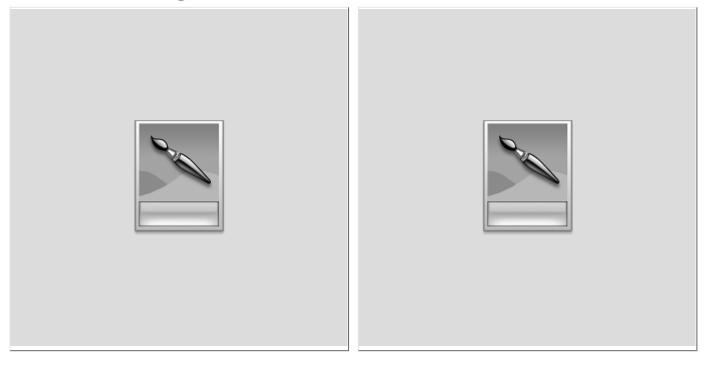
Rated power [W]	12.5
Operating Temperature (MIN) [°C]	-15
Starting ambient temperature range	-15
Dimming Capability	Yes
Nominal power [W]	13
Nominal lamp voltage [V]	91

# Logistic data

Standard
15994100010538
5994100010531
10
320 EUR, 360 UK
320
360
2240
2520
266 x 108 x 127 (mm)
Available

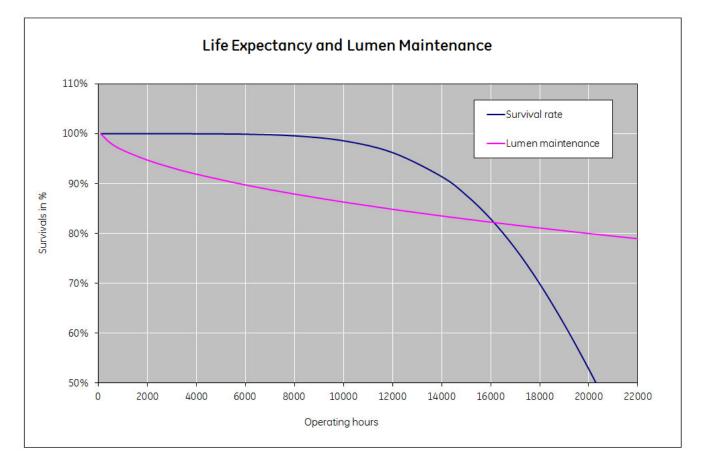
#### **TCUNGSRAM** Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4-pin with Amalgam, External Starter Req. F13W TBX/T4/830/A/4P TU 93105909

### Technical drawing



## **TFUNGSRAM**<sup>™</sup> Biax<sup>™</sup> T/E LongLast<sup>™</sup> 4-pin with Amalgam, External Starter Req. <sup>F13W TBX/T4/830/A/4P TU</sup> 93105909

#### 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)



Tungsram is a registered trademark of Tungsram Operations Kft.

tungsram.com

We in Tungsram Operations Kft. are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Tungsram cannot accept any liability arising from the reliance on such data to the extent permitted by law.