

**164**  
kWh/1000h

**A+**  
energy class

**102**  
lumens/watt

## Tulox Standard Tubular Clear

LU150/100/E40 TU

93102199

### Product information

Tulox High Pressure Sodium lamps have led the way in quality and innovation. Exclusive amalgam reservoir design works to increase life expectancy and improve lumen maintenance.

With efficiencies approaching 130 lumens per watt, Tulox Standard lamps are the most efficient light source available with acceptable colour rendering. High efficiency results in lower operating costs and thus a lower electricity bill.

Most Tulox lamps have an average rated life of up to 28,500 hours. Long life means lower replacement and maintenance costs.

### Application areas



Road and tunnel



Street and pedestrian



Commercial areas

## Product data

Product Code	93102199
Light Center Length [mm]	133
Bulb Shape	Tubular
Bulb Finish	Clear
Regulatory comment	EUP related
Maximum Overall Length [mm]	211
Net weight per piece [g]	155
Gross weight per piece [g]	176
Operating position	U - Universal
Mercury Content [mg]	16.434
Brand	Tungsram
Cap/Base	E40

## Performance data

Rated Lumens [lm]	15490
Weighted energy consumption [kWh/1000h]	163.71
Nominal efficacy [LpW]	100
Rated efficacy [LpW]	104.1
Energy efficiency class (EEC)	A+
Nominal chromaticity coordinate X	0.53
Nominal chromaticity coordinate Y	0.41
Nominal correlated colour temperature (CCT) [K]	2000
Nominal lumens [lm]	15300
Colour Rendering Index (CRI) [Ra]	25

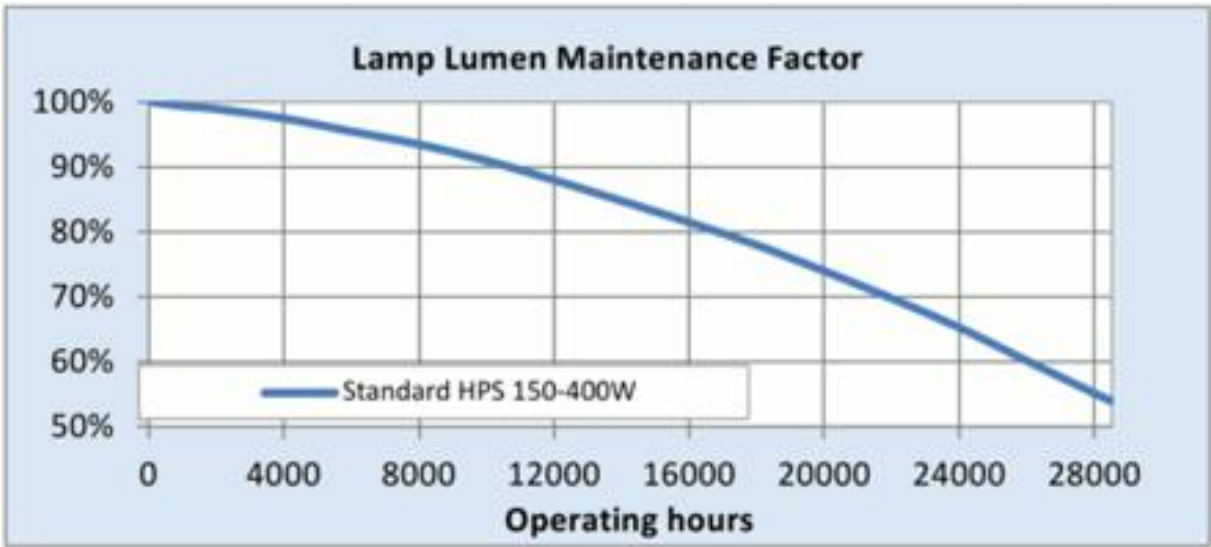
## Electrical data

Rated power [W]	148.8
Lamp Current [A]	1.8
Design Ambient Temperature [°C]	25
Run-up time (sec)	240
Hot restart time (sec)	60
Dimming Capability	Yes
Ballast Required	Yes
Nominal power [W]	150
Nominal lamp voltage [V]	100

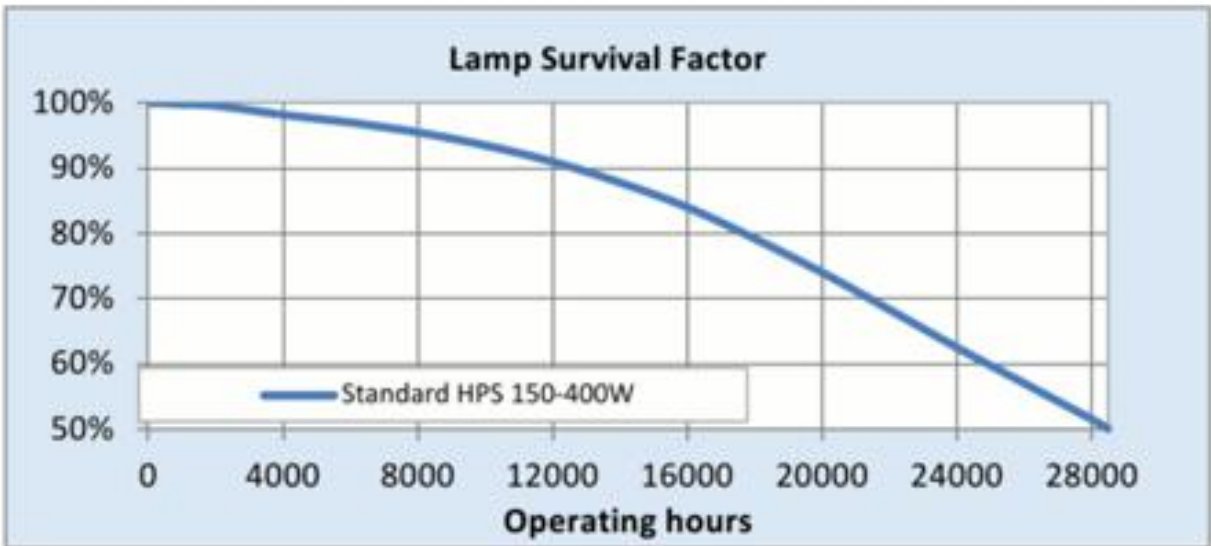
## Logistic data

DUN Code	15994100017254
EAN Code	5994100017257
Pack Quantity	12
Inner pack type	SLEEVE
Layer quantity	288 EUR, 372 UK
Layer quantity EUR	288
Layer quantity UK	372
Pallet quantity EUR (PC)	864
Pallet quantity UK (PC)	1116
Outer case size	215 x 162 x 284 (mm)
Product status	Phased-out

Lumen maintenance data



Survival data



## Downloads & Links

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

[HID Lamps Spectrum Catalogue \(EN\) \(PDF\)](#)

[HPS Lucalox™ Lamps - Data sheet \(EN\) \(PDF\)](#)

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

[Datasheet \(PDF\)](#)

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



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