



Starter free T12 lamp

TL-S

The TL-S lamp (tube diameter 38 mm) has an internal ignition strip that ensures instant start. The lamp offers a well-defined ignition without a starter, also at low temperatures. It is suitable for situations with low switching frequency and where color rendering is not important. The R18s lamp cap at each end of the lamp requires a special lampholder.

Benefits

- Well-defined ignition without a starter, also at low temperatures
- Create atmospheres from warm white to cool white

Features

- Internal ignition strip for instant start, non-preheat, starterless operation
- Available in standard colors and varying color designations
- R18s lamp cap requires a special lampholder

Application

- Standard colors are mostly used in applications where color rendering is not an important factor

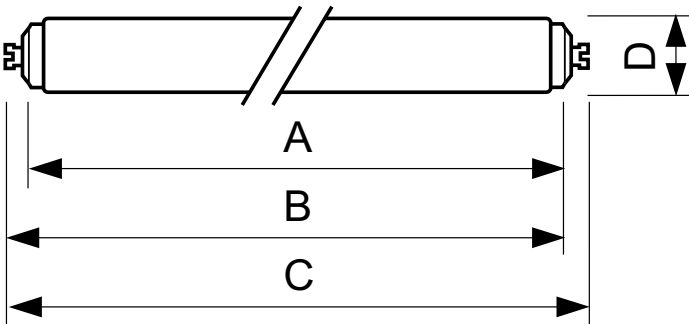
TL-S

Versions



R18s, T12

Dimensional drawing



Product	D (max)	A (min)	A (max)	B (max)	B (min)	C (min)	C (max)
TL-S 20W/830 SLV/25	40.5 mm	571.9 mm	573.9 mm	583.1 mm	580.5 mm	588.8 mm	591.4 mm
TL-S 40W/840 SLV/25	40.5 mm	1181.5 mm	1183.5 mm	1192.7 mm	1190.1 mm	1198.4 mm	1201.0 mm
TL-S 20W/840 SLV/25	40.5 mm	571.9 mm	573.9 mm	583.1 mm	580.5 mm	588.8 mm	591.4 mm

Approval and Application

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	12 mg

Controls and Dimming

Dimmable	Yes
----------	-----

General Information

Cap-Base	R18S
Life To 50% Failures (Nom)	13000 h

Light Technical

Color Rendering Index (Nom)	85
Lumen Maintenance 10000 h (Nom)	84 %
Lumen Maintenance 2000 h (Nom)	92 %
Lumen Maintenance 5000 h (Nom)	89 %

Mechanical and Housing

Bulb Shape	T12
------------	-----

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928035008305	TL-S 20W/830 SLV/25	24 kWh
928035008405	TL-S 20W/840 SLV/25	24 kWh
928035508405	TL-S 40W/840 SLV/25	46 kWh

Operating and Electrical

TL-S

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
928035008305	TL-S 20W/830 SLV/25	0.385 A	58 V	19.4 W
928035008405	TL-S 20W/840 SLV/25	0.385 A	58 V	19.4 W

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
928035508405	TL-S 40W/840 SLV/25	0.43 A	103 V	39 W

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928035008305	TL-S 20W/830 SLV/25	438	403	830	Warm White (WW)
928035008405	TL-S 20W/840 SLV/25	381	379	840	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928035508405	TL-S 40W/840 SLV/25	381	379	840	Cool White (CW)

Light Technical (2/2)

Order Code	Full Product Name	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
		(Nom)	(Nom)	(Nom)
928035008305	TL-S 20W/830 SLV/25	3000 K	55 lm/W	1060 lm
928035008405	TL-S 20W/840 SLV/25	4000 K	55 lm/W	1060 lm

Order Code	Full Product Name	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
		(Nom)	(Nom)	(Nom)
928035508405	TL-S 40W/840 SLV/25	4000 K	65 lm/W	2600 lm

