



# MASTER TL-D Secura

## MASTER TL-D Secura 18W/840 1SL

This TL-D lamp has a protective coating that keeps glass and lamp components together in the event of accidental breakage. The lamp is easily identifiable by blue rings at one end. Application areas are all places where glass shatters can disturb operations and can have an impact on product and people safety, e.g. the food and beverage industry. The lamp has a Surlyn coating which blocks UV light. It is compliant with HACCP regulations.

### Product data

#### • General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Bulb	T8 [26 mm]
Life to 10% failures EM	12000 hr
Life to 10% fail Preheat EL,3h	17000 hr
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 50% failures EM	15000 hr
Life to 50% fail Preheat EL,3h	20000 hr
Life to 50% fail Nonpreh EL,3h	12000 hr
LSF EM 2000h Rated, 3h cycle	99 %
LSF EM 4000h Rated, 3h cycle	99 %
LSF EM 6000h Rated, 3h cycle	99 %
LSF EM 8000h Rated, 3h cycle	99 %
LSF EM 12000h Rated,3h cycle	89 %
LSF EM 16000h Rated,3h cycle	33 %
LSF EM 20000h Rated,3h cycle	2 %

#### • Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White

Color Temperature	4000 K
Luminous Flux EM 25°C, Rated	1300 Lm
Luminous Flux EM 25°C, Nominal	1300 Lm
Lum Efficacy Rated EM 25°C	72 Lm/W
Luminance Average EM	1.0 cd/cm2
LLMF EM 2000h Rated	96 %
LLMF EM 4000h Rated	95 %
LLMF EM 6000h Rated	94 %
LLMF EM 8000h Rated	93 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	91 %
LLMF EM 20000h Rated	90 %
Design Temperature	25 C
Chromaticity Coordinate X	383 -
Chromaticity Coordinate Y	386 -

#### • Electrical Characteristics

Lamp Wattage	18 W
Lamp Wattage EM 25°C, Nominal	18 W
Lamp Wattage EM 25°C, Rated	18.0 W



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Lamp Voltage EM 25°C	59 V
Lamp Current EM 25°C	0.360 A
Dimmable	Yes

Insertion Length B	594.5 (min), 596.9 (max) mm
Overall Length C	604 (max) mm
Diameter D	28 (max) mm

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	2.0 mg
Energy consumption kWh/1000h	22 kWh

## • UV-related Characteristics

Erythema Radiation <=320nm	0.1 mW
Erythema Radiation >320nm	4 mW
Damage Factor D/fc	0.13 -

## • Product Dimensions

Base Face to Base Face A	589.8 (max) mm
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## • Product Data

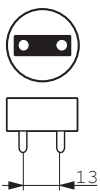
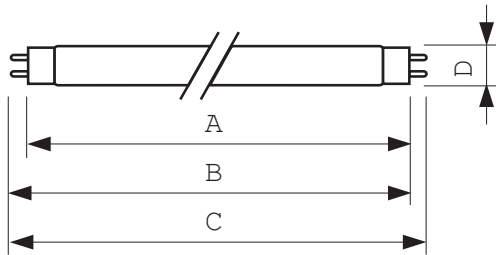
Order code	927920484076
Full product code	927920484076
Full product name	MASTER TL-D Secura 18W/840 1SL
Order product name	MASTER TL-D Secura 18W/840 1SL/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500640109
Bar code on outerbox - EAN3	8711500640116
Logistic code(s) - 12NC	927920484076
ILCOS code	FD-18/40/1B-E-G13
Net weight per piece	100.300 gr

## Warnings and Safety

- Not suitable for closed luminaires (as indicated by two blue rings)

- Recommended use in combination with self-stopping lamp control system

## Dimensional drawing

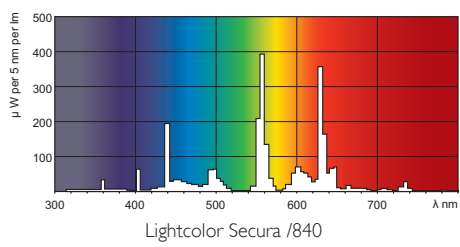
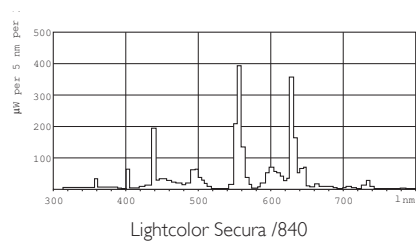


G13

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D 18W/840 Secura	589.8	594.5	596.9	604	28

Photometric data



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data subject to change