

# Product Description

## MASTER TL-D Super 80

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

### Benefits

- Special fluorescent coating gives good colour rendering
- Relatively high efficacy, both initially and during lamp lifetime, with high lumen maintenance
- Create atmospheres from warm white to cool daylight

### Features

- Highly efficient 3-band fluorescent coating in combination with New Generation pre-coating technology
- High initial light output
- Available in varying colour designations
- Low mercury dose

### Application

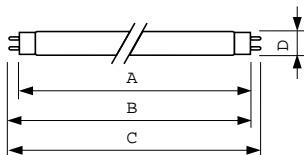
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

### Versions



# MASTER TL-D Super 80

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 36W/840 UNP/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Super 80 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 18W/840 UNP/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

### Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg

### Controls and Dimming

Dimmable	yes
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### General Information

Cap-Base	G13
Life To 50% Failures Preheat (Nom)	20000 h
Life To 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 2000 h Rated	99 %
LSF 20000 h Rated	2 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %

### Light Technical

Colour Code	840
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Colour Rendering Index (Nom)	>80
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %

### Mechanical and Housing

Bulb Shape	T8
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### Temperature

Design Temperature (Nom)	25 °C
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### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927920084023	MASTER TL-D Super 80 18W/840 1SL/25	22 kWh
927920084069	MASTER TL-D Super 80 18W/840 UNP/25	22 kWh
927921084069	MASTER TL-D Super 80 36W/840 UNP/25	42 kWh

# MASTER TL-D Super 80

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927920084023	MASTER TL-D Super 80 18W/840 1SL/25	0.360 A	18 W
927920084069	MASTER TL-D Super 80 18W/840 UNP/25	0.360 A	18 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927921084069	MASTER TL-D Super 80 36W/840 UNP/25	0.440 A	36.0 W

## Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927920084023	MASTER TL-D Super 80 18W/840 1SL/25	75 lm/W	1350 lm	1350 lm
927920084069	MASTER TL-D Super 80 18W/840 UNP/25	75 lm/W	1350 lm	1350 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927921084069	MASTER TL-D Super 80 36W/840 UNP/25	93 lm/W	3350 lm	3350 lm

