



# Efficient fluorescent lighting with improved color rendering

## MASTER TL-D HF Super 80

The MASTER TL-D HF Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp is designed to be operated on special high-frequency electronic ballasts. It is not for general use.

### Benefits

- Relatively high efficacy, both initially and during lamp lifetime
- Smooth start
- Stable behavior in dimming operation with cool environments

### Features

- Special lamp designed for High Frequency operation
- Highly efficient 3-band fluorescent coating
- Low mercury dose

### Application

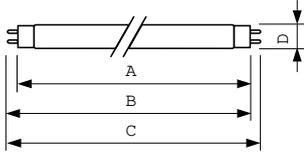
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

### Warnings and Safety

- Special electronic gear must be used
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

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## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D HF Super 80 16W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D HF Super 80 32W/840 SLV/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D HF Super 80 50W/840 SLV/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information	
Cap-Base	G13
Light Technical	
Chromaticity Coordinate X (Nom)	0.38
Chromaticity Coordinate Y (Nom)	0.38
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T8
Approval and Application	
Mercury (Hg) Content (Nom)	1.7 mg

## Light Technical

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927924084023	MASTER TL-D HF Super 80 16W/840 SLV/25	82	87.5 lm/W	1,400 lm
927924584023	MASTER TL-D HF Super 80 32W/840 SLV/25	82	100 lm/W	3,120 lm
927925084014	MASTER TL-D HF Super 80 50W/840 SLV/25	81	100 lm/W	5,000 lm

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927924084023	MASTER TL-D HF Super 80 16W/840 SLV/25	0.255 A	16.5 W
927924584023	MASTER TL-D HF Super 80 32W/840 SLV/25	0.255 A	32.4 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927925084014	MASTER TL-D HF Super 80 50W/840 SLV/25	0.355 A	50.0 W

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927924084023	MASTER TL-D HF Super 80 16W/840 SLV/25	17 kWh
927924584023	MASTER TL-D HF Super 80 32W/840 SLV/25	33 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927925084014	MASTER TL-D HF Super 80 50W/840 SLV/25	50 kWh

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