## **PHILIPS** Lighting



### 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

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

#### Application

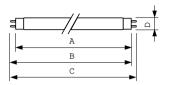
• Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

#### 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.

#### MASTER TL-D HF Super 80

#### Dimensional drawing



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	Т8
Approval and Application	
Mercury (Hg) Content (Nom)	1.7 mg

# Product D (max) A (max) B (max) B (max) C (max) MASTER TL-D HF Super 80 28 m 589.8 m 596.9 m 594.5 m 604 mm 16W/340 SLV/25 589.8 m 596.9 m 594.5 m 504.7 mm 504.7 mm MASTER TL-D HF Super 80 28 mm 1,500.0 mm 1,507.1 mm 1,504.7 mm 1,514.2 mm 50W/840 SLV/25 5000 mm 500.7 mm 1,504.7 mm 1,504.7 mm 1,504.7 mm

#### Light Technical

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

#### **Operating and Electrical**

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

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

#### Approval and Application

		Energy Consumption			Energy Consumption
Order Code	Full Product Name	kWh/1000 h	Order Code	Full Product Name	kWh/1000 h
927924084023	MASTER TL-D HF Super 80 16W/840	17 kWh	927925084014	MASTER TL-D HF Super 80 50W/840	50 kWh
	SLV/25			SLV/25	

#### **MASTER TL-D HF Super 80**



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