PHILIPS

Lighting

Efficient fluorescent lighting with improved color rendering

MASTER TL-D Super 80

The MASTER TL-D 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 can be operated in existing TL-D luminaires.

Benefits

- Good color 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
- High initial light output compared with standard colors
- Low mercury dose
- Can be used with conventional or electronic gear
- Higher efficacy is achieved with electronic gear

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

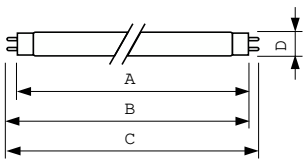
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

MASTER TL-D Super 80

Versions

LPPR TL-D8 G13

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 18W/835 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 36W/835 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Super 80 36W/840 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Super 80 36W/865 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Super 80 58W/827 1SL/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
MASTER TL-D Super 80 58W/865 1SL/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information

Cap-Base	G13

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	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
63168840	MASTER TL-D Super 80 18W/835 1SL/25	0.409	0.394	White (WH)	3500 K	82	75 lm/W	1,350 lm

MASTER TL-D Super 80

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
63198540	MASTER TL-D Super 80 36W/835 1SL/25	0.409	0.394	White (WH)	3500 K	82	93 lm/W	3,350 lm
63201240	MASTER TL-D Super 80 36W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	80	93 lm/W	3,350 lm
63207440	MASTER TL-D Super 80 36W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	80	84 lm/W	3,200 lm
63210440	MASTER TL-D Super 80 58W/827 1SL/25	0.463	0.42	Incandescent White	2700 K	82	90 lm/W	5,240 lm
63225840	MASTER TL-D Super 80 58W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	80	81 lm/W	5,000 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
63168840	MASTER TL-D Super 80 18W/835 1SL/25	0.360 A	18.2 W
63198540	MASTER TL-D Super 80 36W/835 1SL/25	0.440 A	36.8 W
63201240	MASTER TL-D Super 80 36W/840 1SL/25	0.440 A	36.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
63207440	MASTER TL-D Super 80 36W/865 1SL/25	0.440 A	36.8 W
63210440	MASTER TL-D Super 80 58W/827 1SL/25	0.670 A	59.4 W
63225840	MASTER TL-D Super 80 58W/865 1SL/25	0.670 A	59.4 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
63168840	MASTER TL-D Super 80 18W/835 1SL/25	19 kWh
63198540	MASTER TL-D Super 80 36W/835 1SL/25	37 kWh
63201240	MASTER TL-D Super 80 36W/840 1SL/25	37 kWh

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
63207440	MASTER TL-D Super 80 36W/865 1SL/25	37 kWh
63210440	MASTER TL-D Super 80 58W/827 1SL/25	60 kWh
63225840	MASTER TL-D Super 80 58W/865 1SL/25	60 kWh