



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.

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



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

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
63165740	MASTER TL-D Super 80 18W/830 1SL/25	22 kWh
63171840	MASTER TL-D Super 80 18W/840 1SL/25	22 kWh
63177040	MASTER TL-D Super 80 18W/865 1SL/25	22 kWh
63183140	MASTER TL-D Super 80 30W/830 1SL/25	36 kWh
63186240	MASTER TL-D Super 80 30W/840 1SL/25	36 kWh
63189340	MASTER TL-D Super 80 30W/865 1SL/25	36 kWh
63195440	MASTER TL-D Super 80 36W/830 1SL/25	42 kWh
63201240	MASTER TL-D Super 80 36W/840 1SL/25	42 kWh
63207440	MASTER TL-D Super 80 36W/865 1SL/25	42 kWh
63213540	MASTER TL-D Super 80 58W/830 1SL/25	68 kWh
63219740	MASTER TL-D Super 80 58W/840 1SL/25	68 kWh
63225840	MASTER TL-D Super 80 58W/865 1SL/25	68 kWh

Operating and Electrical

MASTER TL-D Super 80

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
63165740	MASTER TL-D Super 80 18W/830 1SL/25	0.360 A	18.0 W
63171840	MASTER TL-D Super 80 18W/840 1SL/25	0.360 A	18 W
63177040	MASTER TL-D Super 80 18W/865 1SL/25	0.360 A	18.0 W
63183140	MASTER TL-D Super 80 30W/830 1SL/25	0.360 A	30.0 W
63186240	MASTER TL-D Super 80 30W/840 1SL/25	0.360 A	30.0 W
63189340	MASTER TL-D Super 80 30W/865 1SL/25	0.360 A	30.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
63195440	MASTER TL-D Super 80 36W/830 1SL/25	0.440 A	36.0 W
63201240	MASTER TL-D Super 80 36W/840 1SL/25	0.440 A	36.0 W
63207440	MASTER TL-D Super 80 36W/865 1SL/25	0.440 A	36.0 W
63213540	MASTER TL-D Super 80 58W/830 1SL/25	0.670 A	58.5 W
63219740	MASTER TL-D Super 80 58W/840 1SL/25	0.670 A	58.5 W
63225840	MASTER TL-D Super 80 58W/865 1SL/25	0.670 A	58.5 W

Light Technical (1/2)

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
63165740	MASTER TL-D Super 80 18W/830 1SL/25	830	Warm white (WW)	3000 K	>80
63171840	MASTER TL-D Super 80 18W/840 1SL/25	840	Cool White (CW)	4100 K	>80
63177040	MASTER TL-D Super 80 18W/865 1SL/25	865	Cool Daylight	6500 K	85
63183140	MASTER TL-D Super 80 30W/830 1SL/25	830	Warm white (WW)	3000 K	>80
63186240	MASTER TL-D Super 80 30W/840 1SL/25	840	Cool White (CW)	4000 K	>80
63189340	MASTER TL-D Super 80 30W/865 1SL/25	865	Cool Daylight	6500 K	80

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
63195440	MASTER TL-D Super 80 36W/830 1SL/25	830	Warm white (WW)	3000 K	>80
63201240	MASTER TL-D Super 80 36W/840 1SL/25	840	Cool White (CW)	4000 K	>80
63207440	MASTER TL-D Super 80 36W/865 1SL/25	865	Cool Daylight	6500 K	85
63213540	MASTER TL-D Super 80 58W/830 1SL/25	830	Warm white (WW)	3000 K	>80
63219740	MASTER TL-D Super 80 58W/840 1SL/25	840	Cool White (CW)	4000 K	>80
63225840	MASTER TL-D Super 80 58W/865 1SL/25	865	Cool Daylight	6500 K	85

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63165740	MASTER TL-D Super 80 18W/830 1SL/25	75 lm/W	1350 lm	1350 lm
63171840	MASTER TL-D Super 80 18W/840 1SL/25	75 lm/W	1350 lm	1350 lm
63177040	MASTER TL-D Super 80 18W/865 1SL/25	68 lm/W	1300 lm	1300 lm
63183140	MASTER TL-D Super 80 30W/830 1SL/25	80 lm/W	2400 lm	2400 lm
63186240	MASTER TL-D Super 80 30W/840 1SL/25	80 lm/W	2400 lm	2400 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63189340	MASTER TL-D Super 80 30W/865 1SL/25	76.7 lm/W	2300 lm	2300 lm
63195440	MASTER TL-D Super 80 36W/830 1SL/25	93 lm/W	3350 lm	3350 lm
63201240	MASTER TL-D Super 80 36W/840 1SL/25	93 lm/W	3350 lm	3350 lm
63207440	MASTER TL-D Super 80 36W/865 1SL/25	84 lm/W	3250 lm	3250 lm
63213540	MASTER TL-D Super 80 58W/830 1SL/25	90 lm/W	5240 lm	5240 lm

MASTER TL-D Super 80

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63219740	MASTER TL-D Super 80 58W/840 1SL/25	90 lm/W	5240 lm	5240 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63225840	MASTER TL-D Super 80 58W/865 1SL/25	81 lm/W	5000 lm	5000 lm

