



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.

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Versions



Approval and Application

Mercury (Hg) Content (Nom)	2.0 mg
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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 %

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	Energy Efficiency Label (EEL)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	22 kWh	A
63165740	MASTER TL-D Super 80 18W/830 1SL/25	22 kWh	A
63168840	MASTER TL-D Super 80 18W/835 1SL/25	22 kWh	A
63171840	MASTER TL-D Super 80 18W/840 1SL/25	22 kWh	A
63177040	MASTER TL-D Super 80 18W/865 1SL/25	22 kWh	A
63180040	MASTER TL-D Super 80 30W/827 1SL/25	36 kWh	A
63183140	MASTER TL-D Super 80 30W/830 1SL/25	36 kWh	A
63186240	MASTER TL-D Super 80 30W/840 1SL/25	36 kWh	A
63189340	MASTER TL-D Super 80 30W/865 1SL/25	36 kWh	A
63192340	MASTER TL-D Super 80 36W/827 1SL/25	42 kWh	A
63195440	MASTER TL-D Super 80 36W/830 1SL/25	42 kWh	A
63198540	MASTER TL-D Super 80 36W/835 1SL/25	42 kWh	A
63201240	MASTER TL-D Super 80 36W/840 1SL/25	42 kWh	A
63207440	MASTER TL-D Super 80 36W/865 1SL/25	42 kWh	A
63210440	MASTER TL-D Super 80 58W/827 1SL/25	68 kWh	A
63213540	MASTER TL-D Super 80 58W/830 1SL/25	68 kWh	A
63219740	MASTER TL-D Super 80 58W/840 1SL/25	68 kWh	A
63225840	MASTER TL-D Super 80 58W/865 1SL/25	68 kWh	A
70280740	MASTER TL-D Super 80 15W/840 1SL/25	19 kWh	B

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	0.360 A	18.0 W
63165740	MASTER TL-D Super 80 18W/830 1SL/25	0.360 A	18.0 W
63168840	MASTER TL-D Super 80 18W/835 1SL/25	0.360 A	18.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
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
63180040	MASTER TL-D Super 80 30W/827 1SL/25	0.360 A	30.0 W

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Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
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
63192340	MASTER TL-D Super 80 36W/827 1SL/25	0.440 A	36.0 W
63195440	MASTER TL-D Super 80 36W/830 1SL/25	0.440 A	36.0 W
63198540	MASTER TL-D Super 80 36W/835 1SL/25	0.440 A	36.0 W
63201240	MASTER TL-D Super 80 36W/840 1SL/25	0.440 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
63207440	MASTER TL-D Super 80 36W/865 1SL/25	0.440 A	36.0 W
63210440	MASTER TL-D Super 80 58W/827 1SL/25	0.670 A	58.5 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
70280740	MASTER TL-D Super 80 15W/840 1SL/25	0.335 A	15.0 W

General Information

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	99 %	99 %	99 %
63165740	MASTER TL-D Super 80 18W/830 1SL/25	99 %	99 %	99 %
63168840	MASTER TL-D Super 80 18W/835 1SL/25	99 %	99 %	99 %
63171840	MASTER TL-D Super 80 18W/840 1SL/25	99 %	99 %	99 %
63177040	MASTER TL-D Super 80 18W/865 1SL/25	99 %	99 %	99 %
63180040	MASTER TL-D Super 80 30W/827 1SL/25	97 %	96 %	95 %
63183140	MASTER TL-D Super 80 30W/830 1SL/25	99 %	99 %	99 %
63186240	MASTER TL-D Super 80 30W/840 1SL/25	99 %	99 %	99 %
63189340	MASTER TL-D Super 80 30W/865 1SL/25	99 %	99 %	99 %
63192340	MASTER TL-D Super 80 36W/827 1SL/25	99 %	99 %	99 %

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
63195440	MASTER TL-D Super 80 36W/830 1SL/25	99 %	99 %	99 %
63198540	MASTER TL-D Super 80 36W/835 1SL/25	99 %	99 %	99 %
63201240	MASTER TL-D Super 80 36W/840 1SL/25	99 %	99 %	99 %
63207440	MASTER TL-D Super 80 36W/865 1SL/25	99 %	99 %	99 %
63210440	MASTER TL-D Super 80 58W/827 1SL/25	99 %	99 %	99 %
63213540	MASTER TL-D Super 80 58W/830 1SL/25	99 %	99 %	99 %
63219740	MASTER TL-D Super 80 58W/840 1SL/25	99 %	99 %	99 %
63225840	MASTER TL-D Super 80 58W/865 1SL/25	99 %	99 %	99 %
70280740	MASTER TL-D Super 80 15W/840 1SL/25	99 %	99 %	99 %

Light Technical (1/2)

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	827	Incandescent White	2700 K	>80
63165740	MASTER TL-D Super 80 18W/830 1SL/25	830	Warm White (WW)	3000 K	>80
63168840	MASTER TL-D Super 80 18W/835 1SL/25	835	White (WH)	3500 K	85

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
63171840	MASTER TL-D Super 80 18W/840 1SL/25	841	Cool White (CW)	4100 K	>80
63177040	MASTER TL-D Super 80 18W/865 1SL/25	865	Cool Daylight	6500 K	85
63180040	MASTER TL-D Super 80 30W/827 1SL/25	827	Incandescent White	2700 K	>80

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Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
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	841	Cool White (CW)	4000 K	>80
63189340	MASTER TL-D Super 80 30W/865 1SL/25	865	Cool Daylight	6500 K	80
63192340	MASTER TL-D Super 80 36W/827 1SL/25	827	Incandescent White	2700 K	>80
63195440	MASTER TL-D Super 80 36W/830 1SL/25	830	Warm White (WW)	3000 K	>80
63198540	MASTER TL-D Super 80 36W/835 1SL/25	835	White (WH)	3500 K	>80
63201240	MASTER TL-D Super 80 36W/840 1SL/25	841	Cool White (CW)	4000 K	>80

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
63207440	MASTER TL-D Super 80 36W/865 1SL/25	865	Cool Daylight	6500 K	85
63210440	MASTER TL-D Super 80 58W/827 1SL/25	827	Incandescent White	2700 K	>80
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	841	Cool White (CW)	4000 K	>80
63225840	MASTER TL-D Super 80 58W/865 1SL/25	865	Cool Daylight	6500 K	85
70280740	MASTER TL-D Super 80 15W/840 1SL/25	841	Cool White (CW)	4000 K	>80

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	75 lm/W	1350 lm	1350 lm
63165740	MASTER TL-D Super 80 18W/830 1SL/25	75 lm/W	1350 lm	1350 lm
63168840	MASTER TL-D Super 80 18W/835 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
63180040	MASTER TL-D Super 80 30W/827 1SL/25	80 lm/W	2400 lm	2400 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
63189340	MASTER TL-D Super 80 30W/865 1SL/25	76.7 lm/W	2300 lm	2300 lm
63192340	MASTER TL-D Super 80 36W/827 1SL/25	93 lm/W	3350 lm	3350 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63195440	MASTER TL-D Super 80 36W/830 1SL/25	93 lm/W	3350 lm	3350 lm
63198540	MASTER TL-D Super 80 36W/835 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
63210440	MASTER TL-D Super 80 58W/827 1SL/25	90 lm/W	5240 lm	5240 lm
63213540	MASTER TL-D Super 80 58W/830 1SL/25	90 lm/W	5240 lm	5240 lm
63219740	MASTER TL-D Super 80 58W/840 1SL/25	90 lm/W	5240 lm	5240 lm
63225840	MASTER TL-D Super 80 58W/865 1SL/25	81 lm/W	5000 lm	5000 lm
70280740	MASTER TL-D Super 80 15W/840 1SL/25	67 lm/W	1000 lm	1000 lm

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