



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

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	Mercury (Hg)	
			Content (Max)	Mercury (Hg) Content (Nom)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	19 kWh	-	1.7 mg
63165740	MASTER TL-D Super 80 18W/830 1SL/25	19 kWh	-	1.7 mg
63168840	MASTER TL-D Super 80 18W/835 1SL/25	19 kWh	-	1.7 mg
63171840	MASTER TL-D Super 80 18W/840 1SL/25	19 kWh	-	1.7 mg
63177040	MASTER TL-D Super 80 18W/865 1SL/25	19 kWh	-	1.7 mg
63183140	MASTER TL-D Super 80 30W/830 1SL/25	31 kWh	-	1.7 mg
63186240	MASTER TL-D Super 80 30W/840 1SL/25	31 kWh	-	1.7 mg
63192340	MASTER TL-D Super 80 36W/827 1SL/25	37 kWh	-	1.7 mg
63195440	MASTER TL-D Super 80 36W/830 1SL/25	37 kWh	-	1.7 mg
63198540	MASTER TL-D Super 80 36W/835 1SL/25	37 kWh	-	1.7 mg
63201240	MASTER TL-D Super 80 36W/840 1SL/25	37 kWh	-	1.7 mg
63207440	MASTER TL-D Super 80 36W/865 1SL/25	37 kWh	-	1.7 mg
63210440	MASTER TL-D Super 80 58W/827 1SL/25	60 kWh	-	1.7 mg
63213540	MASTER TL-D Super 80 58W/830 1SL/25	60 kWh	-	1.7 mg
63216640	MASTER TL-D Super 80 58W/835 1SL/25	60 kWh	-	1.7 mg
63219740	MASTER TL-D Super 80 58W/840 1SL/25	60 kWh	-	1.7 mg
63225840	MASTER TL-D Super 80 58W/865 1SL/25	60 kWh	-	1.7 mg
70279140	MASTER TL-D Super 80 15W/830 1SL/25	16 kWh	-	1.7 mg
70280740	MASTER TL-D Super 80 15W/840 1SL/25	16 kWh	-	1.7 mg
55870140	MASTER TL-D Super 80 23W/840 1SL/25	24 kWh	-	1.7 mg
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	37 kWh	-	1.7 mg
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	37 kWh	-	1.7 mg
55880040	MASTER TL-D Super 80 38W/830 1SL/25	39 kWh	-	1.7 mg
55883140	MASTER TL-D Super 80 38W/840 1SL/25	39 kWh	-	1.7 mg
64273840	MASTER TL-D Super 80 70W/835 1SL/25	70 kWh	3 mg	3.0 mg
61592340	MASTER TL-D Super 80 70W/840 1SL/25	70 kWh	3 mg	3.0 mg

Operating and electrical

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power (Nom)
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	0.360 A	18.2 W
63165740	MASTER TL-D Super 80 18W/830 1SL/25	0.360 A	18.2 W
63168840	MASTER TL-D Super 80 18W/835 1SL/25	0.360 A	18.2 W
63171840	MASTER TL-D Super 80 18W/840 1SL/25	0.360 A	18.2 W
63177040	MASTER TL-D Super 80 18W/865 1SL/25	0.360 A	18.2 W
63183140	MASTER TL-D Super 80 30W/830 1SL/25	0.360 A	30.2 W
63186240	MASTER TL-D Super 80 30W/840 1SL/25	0.360 A	30.2 W
63192340	MASTER TL-D Super 80 36W/827 1SL/25	0.440 A	36.8 W
63195440	MASTER TL-D Super 80 36W/830 1SL/25	0.440 A	36.8 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
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
63213540	MASTER TL-D Super 80 58W/830 1SL/25	0.670 A	59.4 W

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power (Nom)
63216640	MASTER TL-D Super 80 58W/835 1SL/25	0.670 A	59.4 W
63219740	MASTER TL-D Super 80 58W/840 1SL/25	0.670 A	59.4 W
63225840	MASTER TL-D Super 80 58W/865 1SL/25	0.670 A	59.4 W
70279140	MASTER TL-D Super 80 15W/830 1SL/25	0.340 A	15.5 W
70280740	MASTER TL-D Super 80 15W/840 1SL/25	0.335 A	15.5 W
55870140	MASTER TL-D Super 80 23W/840 1SL/25	0.295 A	23.4 W
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	0.560 A	36.6 W
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	0.560 A	36.6 W
55880040	MASTER TL-D Super 80 38W/830 1SL/25	0.430 A	38.2 W
55883140	MASTER TL-D Super 80 38W/840 1SL/25	0.430 A	38.2 W
64273840	MASTER TL-D Super 80 70W/835 1SL/25	0.690 A	70.0 W
61592340	MASTER TL-D Super 80 70W/840 1SL/25	0.690 A	70.0 W

MASTER TL-D Super 80

General information

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	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 %
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 %
63192340	MASTER TL-D Super 80 36W/827 1SL/25	99 %	99 %	99 %
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 %

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated
63213540	MASTER TL-D Super 80 58W/830 1SL/25	99 %	99 %	99 %
63216640	MASTER TL-D Super 80 58W/835 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 %
70279140	MASTER TL-D Super 80 15W/830 1SL/25	99 %	99 %	99 %
70280740	MASTER TL-D Super 80 15W/840 1SL/25	99 %	99 %	99 %
55870140	MASTER TL-D Super 80 23W/840 1SL/25	99 %	99 %	99 %
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	99 %	99 %	99 %
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	99 %	99 %	99 %
55880040	MASTER TL-D Super 80 38W/830 1SL/25	97 %	96 %	95 %
55883140	MASTER TL-D Super 80 38W/840 1SL/25	99 %	99 %	99 %
64273840	MASTER TL-D Super 80 70W/835 1SL/25	99 %	99 %	99 %
61592340	MASTER TL-D Super 80 70W/840 1SL/25	97 %	96 %	95 %

Light technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	0.463	0.42	827	Incandescent White
63165740	MASTER TL-D Super 80 18W/830 1SL/25	0.44	0.403	830	Warm white (WW)
63168840	MASTER TL-D Super 80 18W/835 1SL/25	0.409	0.394	835	White (WH)
63171840	MASTER TL-D Super 80 18W/840 1SL/25	0.38	0.38	840	Cool White (CW)
63177040	MASTER TL-D Super 80 18W/865 1SL/25	0.313	0.337	865	Cool Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
63183140	MASTER TL-D Super 80 30W/830 1SL/25	0.44	0.403	830	Warm white (WW)
63186240	MASTER TL-D Super 80 30W/840 1SL/25	0.38	0.38	840	Cool White (CW)
63192340	MASTER TL-D Super 80 36W/827 1SL/25	0.463	0.42	827	Incandescent White
63195440	MASTER TL-D Super 80 36W/830 1SL/25	0.44	0.403	830	Warm white (WW)
63198540	MASTER TL-D Super 80 36W/835 1SL/25	0.409	0.394	835	White (WH)

MASTER TL-D Super 80

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Colour Designation
63201240	MASTER TL-D Super 80 36W/840 1SL/25	0.38	0.38	840	Cool White (CW)
63207440	MASTER TL-D Super 80 36W/865 1SL/25	0.313	0.337	865	Cool Daylight
63210440	MASTER TL-D Super 80 58W/827 1SL/25	0.463	0.42	827	Incandescent White
63213540	MASTER TL-D Super 80 58W/830 1SL/25	0.44	0.403	830	Warm white (WW)
63216640	MASTER TL-D Super 80 58W/835 1SL/25	0.409	0.394	835	White (WH)
63219740	MASTER TL-D Super 80 58W/840 1SL/25	0.38	0.38	840	Cool White (CW)
63225840	MASTER TL-D Super 80 58W/865 1SL/25	0.313	0.337	865	Cool Daylight
70279140	MASTER TL-D Super 80 15W/830 1SL/25	0.44	0.403	830	Warm white (WW)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Colour Designation
70280740	MASTER TL-D Super 80 15W/840 1SL/25	0.38	0.38	840	Cool White (CW)
55870140	MASTER TL-D Super 80 23W/840 1SL/25	0.38	0.38	840	Cool White (CW)
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	0.44	0.403	830	Warm white (WW)
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	0.38	0.38	840	Cool White (CW)
55880040	MASTER TL-D Super 80 38W/830 1SL/25	0.44	0.403	830	Warm white (WW)
55883140	MASTER TL-D Super 80 38W/840 1SL/25	0.38	0.38	840	Cool White (CW)
64273840	MASTER TL-D Super 80 70W/835 1SL/25	0.409	0.394	835	White (WH)
61592340	MASTER TL-D Super 80 70W/840 1SL/25	0.38	0.38	840	Cool White (CW)

Light technical (2/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	2700 K	82	75 lm/W
63165740	MASTER TL-D Super 80 18W/830 1SL/25	3000 K	82	75 lm/W	1350 lm	1350 lm
63168840	MASTER TL-D Super 80 18W/835 1SL/25	3500 K	82	75 lm/W	1350 lm	1350 lm
63171840	MASTER TL-D Super 80	4000 K	81	75 lm/W	1350 lm	1350 lm

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		6317040	MASTER TL-D Super 80 18W/865 1SL/25	6500 K	80	68 lm/W
63183140	MASTER TL-D Super 80 30W/830 1SL/25	3000 K	82	80 lm/W	2400 lm	2400 lm
63186240	MASTER TL-D Super 80 30W/840 1SL/25	4000 K	81	80 lm/W	2400 lm	2400 lm
63192340	MASTER TL-D Super	2700 K	82	93 lm/W	3350 lm	3350 lm

MASTER TL-D Super 80

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
	80 36W/827 1SL/25					
63195440	MASTER TL-D Super 80 36W/830 1SL/25	3000 K	82	93 lm/W	3350 lm	3350 lm
63198540	MASTER TL-D Super 80 36W/835 1SL/25	3500 K	82	93 lm/W	3350 lm	3350 lm
63201240	MASTER TL-D Super 80 36W/840 1SL/25	4000 K	80	93 lm/W	3350 lm	3350 lm
63207440	MASTER TL-D Super 80 36W/865 1SL/25	6500 K	80	84 lm/W	3200 lm	3250 lm
63210440	MASTER TL-D Super 80 58W/827 1SL/25	2700 K	82	90 lm/W	5240 lm	5240 lm
63213540	MASTER TL-D Super 80 58W/830 1SL/25	3000 K	82	90 lm/W	5240 lm	5240 lm
63216640	MASTER TL-D Super 80 58W/835 1SL/25	3500 K	81	90 lm/W	5240 lm	5240 lm
63219740	MASTER TL-D Super 80 58W/840 1SL/25	4000 K	80	90 lm/W	5240 lm	5240 lm
63225840	MASTER TL-D Super 80	6500 K	80	81 lm/W	5000 lm	5000 lm

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
	58W/865 1SL/25					
70279140	MASTER TL-D Super 80 15W/830 1SL/25	3000 K	82	67 lm/W	1000 lm	1000 lm
70280740	MASTER TL-D Super 80 15W/840 1SL/25	4000 K	82	67 lm/W	1000 lm	1000 lm
55870140	MASTER TL-D Super 80 23W/840 1SL/25	4000 K	81	89 lm/W	2020 lm	2050 lm
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	3000 K	82	86 lm/W	3070 lm	3100 lm
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	4000 K	80	86 lm/W	3100 lm	3100 lm
55880040	MASTER TL-D Super 80 38W/830 1SL/25	3000 K	82	88 lm/W	3300 lm	3350 lm
55883140	MASTER TL-D Super 80 38W/840 1SL/25	4000 K	81	88 lm/W	3300 lm	3350 lm
64273840	MASTER TL-D Super 80 70W/835 1SL/25	3500 K	82	89 lm/W	6200 lm	6200 lm
61592340	MASTER TL-D Super 80 70W/840 1SL/25	4000 K	81	89 lm/W	6200 lm	6200 lm

MASTER TL-D Super 80

