



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

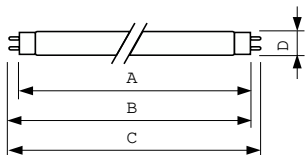
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

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

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 14W/840 SLV/25	28 mm	361.2 mm	368.3 mm	365.9 mm	375.4 mm
MASTER TL-D Super 80 15W/827 SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
MASTER TL-D Super 80 15W/830 SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
MASTER TL-D Super 80 15W/840 SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
MASTER TL-D Super 80 15W/865 1SL/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
MASTER TL-D Super 80 18W/827 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 18W/830 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 18W/865 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 1m 36W/830 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 1m 36W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 1m 36W/865 1SL/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 23W/830 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 23W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 30W/827 SLV/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 30W/830 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 30W/840 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 30W/865 SLV/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 36W/827 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/830 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 38W/830 SLV/25	28 mm	1,047.0 mm	1,054.1 mm	1,051.7 mm	1,061.2 mm
MASTER TL-D Super 80 38W/840 SLV/25	28 mm	1,047.0 mm	1,054.1 mm	1,051.7 mm	1,061.2 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

Dimensional drawing

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 58W/830 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/840 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
MASTER TL-D Super 80 70W/840 SLV/25	28 mm	1,763.8 mm	1,770.9 mm	1,768.5 mm	1,778 mm

General Information	
Cap-Base	G13
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T8

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy		Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			(rated)	(Nom)	
63162640	MASTER TL-D SUPER 80 18W/827 1SL/25	0.463	0.42	Incandescent White 2700 K	82	75 lm/W		1,350 lm
63165740	MASTER TL-D Super 80 18W/830 1SL/25	0.44	0.403	Warm White (WW) 3000 K	82	75 lm/W		1,350 lm
63171840	MASTER TL-D Super 80 18W/840 1SL/25	0.38	0.38	Cool White (CW) 4000 K	81	75 lm/W		1,350 lm
63177040	MASTER TL-D Super 80 18W/865 1SL/25	0.313	0.337	Cool Daylight 6500 K	80	68 lm/W		1,300 lm
63180040	MASTER TL-D Super 80 30W/827 1SL/25	0.463	0.42	Incandescent White 2700 K	82	80 lm/W		2,400 lm
63183140	MASTER TL-D Super 80 30W/830 1SL/25	0.44	0.403	Warm White (WW) 3000 K	82	80 lm/W		2,400 lm
63186240	MASTER TL-D Super 80 30W/840 1SL/25	0.38	0.38	Cool White (CW) 4000 K	81	80 lm/W		2,400 lm
63189340	MASTER TL-D Super 80 30W/865 1SL/25	0.313	0.337	Cool Daylight 6500 K	81	76.7 lm/W		2,350 lm
63192340	MASTER TL-D Super 80 36W/827 1SL/25	0.463	0.42	Incandescent White 2700 K	82	93 lm/W		3,350 lm
63195440	MASTER TL-D Super 80 36W/830 1SL/25	0.44	0.403	Warm White (WW) 3000 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

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
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
63213540	MASTER TL-D Super 80 58W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	90 lm/W	5,240 lm
63219740	MASTER TL-D Super 80 58W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	80	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
70278440	MASTER TL-D Super 80 15W/827 1SL/25	0.463	0.42	Incandescent White	2700 K	82	67 lm/W	1,000 lm
70279140	MASTER TL-D Super 80 15W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	67 lm/W	1,000 lm
70280740	MASTER TL-D Super 80 15W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	82	67 lm/W	1,000 lm
91731400	MASTER TL-D Super 80 15W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	82	-	930 lm
55863340	MASTER TL-D Super 80 23W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	89 lm/W	2,020 lm
55870140	MASTER TL-D Super 80 23W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	81	89 lm/W	2,020 lm
55874940	MASTER TL-D Super 80 1m 36W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	86 lm/W	3,070 lm
55877040	MASTER TL-D Super 80 1m 36W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	80	86 lm/W	3,100 lm
91739000	MASTER TL-D Super 80 1m 36W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	80	82 lm/W	2,950 lm
55880040	MASTER TL-D Super 80 38W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	88 lm/W	3,300 lm
55883140	MASTER TL-D Super 80 38W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	81	88 lm/W	3,300 lm
61592340	MASTER TL-D Super 80 70W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	81	89 lm/W	6,200 lm
95381040	MASTER TL-D Super 80 14W/840 1SL/25	0.38	0.38	Cool Daylight	4000 K	83	63 lm/W	860 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
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
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
63180040	MASTER TL-D Super 80 30W/827 1SL/25	0.360 A	30.2 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
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
63189340	MASTER TL-D Super 80 30W/865 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

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Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
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
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
70278440	MASTER TL-D Super 80 15W/827 1SL/25	0.340 A	15.5 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
91731400	MASTER TL-D Super 80 15W/865 1SL/25	0.335 A	15.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
55863340	MASTER TL-D Super 80 23W/830 1SL/25	0.295 A	23.4 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
91739000	MASTER TL-D Super 80 1m 36W/865 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
61592340	MASTER TL-D Super 80 70W/840 1SL/25	0.690 A	70.0 W
95381040	MASTER TL-D Super 80 14W/840 1SL/25	0.380 A	14.2 W

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
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
63180040	MASTER TL-D Super 80 30W/827 1SL/25	31 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
63189340	MASTER TL-D Super 80 30W/865 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
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

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
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
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
70278440	MASTER TL-D Super 80 15W/827 1SL/25	16 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
91731400	MASTER TL-D Super 80 15W/865 1SL/25	16 kWh	-	1.7 mg
55863340	MASTER TL-D Super 80 23W/830 1SL/25	24 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

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Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
91739000	MASTER TL-D Super 80 1m 36W/865 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

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
61592340	MASTER TL-D Super 80 70W/840 1SL/25	70 kWh	3 mg	3.0 mg
95381040	MASTER TL-D Super 80 14W/840 1SL/25	15 kWh	2 mg	2 mg

