



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

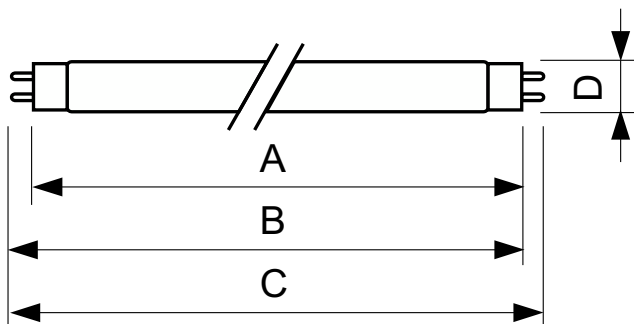
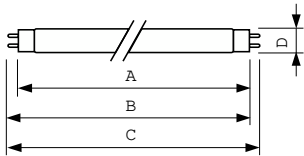
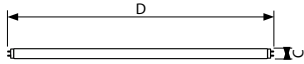
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

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

Dimensional drawing



Product
TLDRS16W-S85ECO 25PK
TLDRS32W-S83ECO 25PK
TLDRS32W-S84ECO 25PK

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 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 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/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 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 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 70W/840 SLV/25	28 mm	1,763.8 mm	1,770.9 mm	1,768.5 mm	1,778 mm
TLDRS16W-S83ECO 25PK	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TLDRS16W-S84ECO 25PK	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL-D 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 18W/865 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 36W/830 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
TL-D 36W/840 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
TL-D 36W/850 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
TL-D 36W/865 1SL/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
TL-D 58W/840 1SL/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
TL-D 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

General Information

Cap-Base G13

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	80	68 lm/W	1,300 lm
927921083023	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
927921083523	MASTER TL-D Super 80 36W/835 1SL/25	0.409	0.394	White (WH)	3500 K	82	93 lm/W	3,350 lm
927921084023	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
927922083023	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
927922084023	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
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	0.463	0.42	Incandescent White	2700 K	82	67 lm/W	1,000 lm
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	0.44	0.403	Warm White (WW)	3000 K	82	86 lm/W	3,070 lm
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	0.38	0.38	Cool White (CW)	4000 K	80	86 lm/W	3,100 lm
927923583014	MASTER TL-D Super 80 38W/830 SLV/25	0.44	0.403	Warm White (WW)	3000 K	82	88 lm/W	3,300 lm
927923884014	MASTER TL-D Super 80 70W/840 SLV/25	0.38	0.38	Cool White (CW)	4000 K	81	89 lm/W	6,200 lm
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	0.38	0.38	Cool Daylight	4000 K	83	63 lm/W	860 lm
927850073002	TLDRS16W-S83ECO 25PK	-	-	Warm White (WW)	3000 K	85	-	1,220 lm
927850074102	TLDRS16W-S84ECO 25PK	-	-	Cool White (CW)	4000 K	85	-	1,200 lm
927850085002	TLDRS16W-S85ECO 25PK	-	-	TL850	5000 K	82	-	1,300 lm
927869773002	TLDRS32W-S83ECO 25PK	-	-	TL830	3000 K	78	-	2,600 lm
927869774112	TLDRS32W-S84ECO 25PK	-	-	TL841	4100 K	82	-	2,700 lm
927981184024	TL-D 18W/840 1SL/25	-	-	Cool White (CW)	4000 K	82	75 lm/W	-
927981186524	TL-D 18W/865 1SL/25	-	-	Cool Daylight	6500 K	80	71 lm/W	-
927981383024	TL-D 36W/830 1SL/25	-	-	Warm White (WW)	3000 K	83	90 lm/W	-
927981384024	TL-D 36W/840 1SL/25	-	-	Cool White (CW)	4000 K	82	90 lm/W	-
927981385024	TL-D 36W/850 1SL/25	-	-	Daylight	5000 K	80	88 lm/W	-
927981386524	TL-D 36W/865 1SL/25	-	-	Cool Daylight	6500 K	80	85 lm/W	-
927981584024	TL-D 58W/840 1SL/25	-	-	Cool White (CW)	4000 K	82	89 lm/W	-
927981586524	TL-D 58W/865 1SL/25	-	-	Cool Daylight	6500 K	80	83 lm/W	-

Operating and Electrical

MASTER TL-D Super 80

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	0.360 A	-	18.2 W
927921083023	MASTER TL-D Super 80 36W/830 1SL/25	0.440 A	-	36.8 W
927921083523	MASTER TL-D Super 80 36W/835 1SL/25	0.440 A	-	36.8 W
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	0.440 A	-	36.8 W
927922083023	MASTER TL-D Super 80 58W/830 1SL/25	0.670 A	-	59.4 W
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	0.670 A	-	59.4 W
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	0.340 A	-	15.5 W
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	0.560 A	-	36.6 W
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	0.560 A	-	36.6 W
927923583014	MASTER TL-D Super 80 38W/830 SLV/25	0.430 A	-	38.2 W

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
927923884014	MASTER TL-D Super 80 70W/840 SLV/25	0.690 A	-	70.0 W
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	0.380 A	-	14.2 W
927850073002	TLDRS16W-S83ECO 25PK	0.265 A	-	16 W
927850074102	TLDRS16W-S84ECO 25PK	0.265 A	-	16 W
927850085002	TLDRS16W-S85ECO 25PK	-	-	17 W
927869773002	TLDRS32W-S83ECO 25PK	-	-	32 W
927869774112	TLDRS32W-S84ECO 25PK	-	-	32 W
927981184024	TL-D 18W/840 1SL/25	0.360 A	59 V	18 W
927981186524	TL-D 18W/865 1SL/25	0.360 A	59 V	18 W
927981383024	TL-D 36W/830 1SL/25	0.440 A	103 V	36 W
927981384024	TL-D 36W/840 1SL/25	0.440 A	103 V	36 W
927981385024	TL-D 36W/850 1SL/25	0.440 A	103 V	36 W
927981386524	TL-D 36W/865 1SL/25	0.440 A	103 V	36 W
927981584024	TL-D 58W/840 1SL/25	0.670 A	111 V	58 W
927981586524	TL-D 58W/865 1SL/25	0.670 A	111 V	58 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	Yes
927921083023	MASTER TL-D Super 80 36W/830 1SL/25	Yes
927921083523	MASTER TL-D Super 80 36W/835 1SL/25	Yes
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	Yes
927922083023	MASTER TL-D Super 80 58W/830 1SL/25	Yes
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	Yes
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	Yes
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	Yes
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	Yes
927923583014	MASTER TL-D Super 80 38W/830 SLV/25	Yes
927923884014	MASTER TL-D Super 80 70W/840 SLV/25	Yes
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	Yes
927850073002	TLDRS16W-S83ECO 25PK	Yes

Order Code	Full Product Name	Dimmable
927850074102	TLDRS16W-S84ECO 25PK	Yes
927850085002	TLDRS16W-S85ECO 25PK	-
927869773002	TLDRS32W-S83ECO 25PK	-
927869774112	TLDRS32W-S84ECO 25PK	-
927981184024	TL-D 18W/840 1SL/25	Yes
927981186524	TL-D 18W/865 1SL/25	Yes
927981383024	TL-D 36W/830 1SL/25	Yes
927981384024	TL-D 36W/840 1SL/25	Yes
927981385024	TL-D 36W/850 1SL/25	Yes
927981386524	TL-D 36W/865 1SL/25	Yes
927981584024	TL-D 58W/840 1SL/25	Yes
927981586524	TL-D 58W/865 1SL/25	Yes

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	T8
927921083023	MASTER TL-D Super 80 36W/830 1SL/25	T8
927921083523	MASTER TL-D Super 80 36W/835 1SL/25	T8
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	T8
927922083023	MASTER TL-D Super 80 58W/830 1SL/25	T8
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	T8
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	T8
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	T8

Order Code	Full Product Name	Bulb Shape
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	T8
927923583014	MASTER TL-D Super 80 38W/830 SLV/25	T8
927923884014	MASTER TL-D Super 80 70W/840 SLV/25	T8
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	T8
927850073002	TLDRS16W-S83ECO 25PK	T8
927850074102	TLDRS16W-S84ECO 25PK	T8
927850085002	TLDRS16W-S85ECO 25PK	T-8
927869773002	TLDRS32W-S83ECO 25PK	T-8

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Order Code	Full Product Name	Bulb Shape
927869774112	TLDRS32W-S84ECO 25PK	T-8
927981184024	TL-D 18W/840 1SL/25	T8
927981186524	TL-D 18W/865 1SL/25	T8
927981383024	TL-D 36W/830 1SL/25	T8
927981384024	TL-D 36W/840 1SL/25	T8

Order Code	Full Product Name	Bulb Shape
927981385024	TL-D 36W/850 1SL/25	T8
927981386524	TL-D 36W/865 1SL/25	T8
927981584024	TL-D 58W/840 1SL/25	T8
927981586524	TL-D 58W/865 1SL/25	T8

Approval and Application

Order Code	Full Product Name	Energy	Energy	Mercury	Mercury
		Consumption	Saving	(Hg)	(Hg)
		kWh/1000 h	Product	Content (Max)	Content (Nom)
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	19 kWh	-	-	1.7 mg
927921083023	MASTER TL-D Super 80 36W/830 1SL/25	37 kWh	-	-	1.7 mg
927921083523	MASTER TL-D Super 80 36W/835 1SL/25	37 kWh	-	-	1.7 mg
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	37 kWh	-	-	1.7 mg
927922083023	MASTER TL-D Super 80 58W/830 1SL/25	60 kWh	-	-	1.7 mg
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	60 kWh	-	-	1.7 mg
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	16 kWh	-	-	1.7 mg
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	37 kWh	-	-	1.7 mg
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	37 kWh	-	-	1.7 mg
927923583014	MASTER TL-D Super 80 38W/830 SLV/25	39 kWh	-	-	1.7 mg
927923884014	MASTER TL-D Super 80 70W/840 SLV/25	70 kWh	-	3 mg	3.0 mg

Order Code	Full Product Name	Energy	Energy	Mercury	Mercury
		Consumption	Saving	(Hg)	(Hg)
		kWh/1000 h	Product	Content (Max)	Content (Nom)
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	15 kWh	-	2 mg	2 mg
927850073002	TLDRS16W- S83ECO 25PK	20 kWh	-	-	3.0 mg
927850074102	TLDRS16W- S84ECO 25PK	20 kWh	-	-	3.0 mg
927850085002	TLDRS16W- S85ECO 25PK	-	Energy Saving	-	1.7 mg
927869773002	TLDRS32W- S83ECO 25PK	-	Energy Saving	-	1.7 mg
927869774112	TLDRS32W- S84ECO 25PK	-	Energy Saving	-	3.0 mg
927981184024	TL-D 18W/840 1SL/25	-	-	-	2.0 mg
927981186524	TL-D 18W/865 1SL/25	-	-	-	2.0 mg
927981383024	TL-D 36W/830 1SL/25	-	-	-	2.0 mg
927981384024	TL-D 36W/840 1SL/25	-	-	-	2.0 mg
927981385024	TL-D 36W/850 1SL/25	-	-	-	2.0 mg
927981386524	TL-D 36W/865 1SL/25	-	-	-	2.0 mg
927981584024	TL-D 58W/840 1SL/25	-	-	-	2.0 mg
927981586524	TL-D 58W/865 1SL/25	-	-	-	2.0 mg

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