PHILIPS

MASTER TL-D Super 80

TLD8



Efficient fluorescent lighting with improved color rendering

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

Applications

- 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.

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
- 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.

Versions

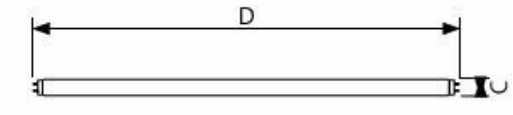


LPPR TL-D8 G13

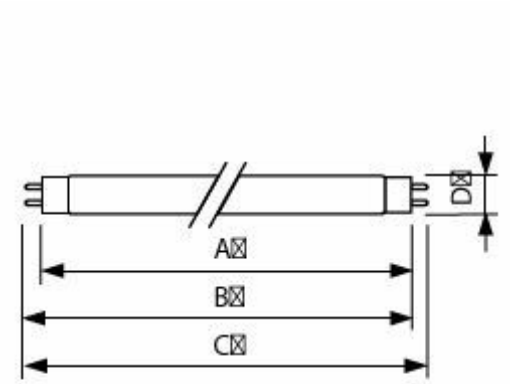


LPPR TL-D8G G13 T8

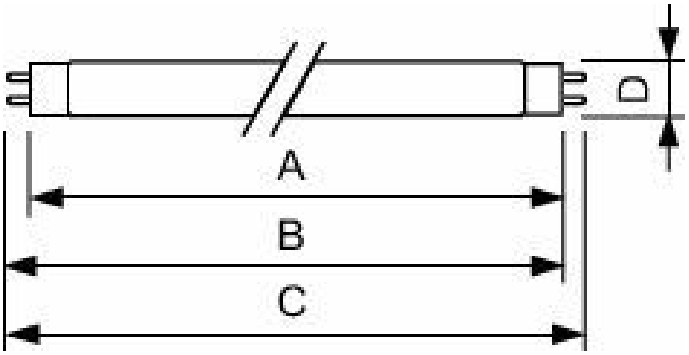
Dimensional drawing



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/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 58W/840 1SL/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 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

General Information

Cap-Base	G13 [Medium Bi-Pin Fluorescent]

Controls and Dimming

Dimmable	Yes

Approval and Application

Energy Saving Product	Energy Saving
Mercury (Hg) Content (Max)	2 mg

Light Technical

Order Code	Full Product Name	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	1,300 lm	Cool Daylight	0.313	0.337	6500 K	68 lm/W	80
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	3,350 lm	Cool White (CW)	0.38	0.38	4000 K	93 lm/W	80
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	5,240 lm	Cool White (CW)	0.38	0.38	4000 K	90 lm/W	80

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

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)	Voltage (Nom)
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	18.2 W	0.360 A	-
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	36.8 W	0.440 A	-
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	59.4 W	0.670 A	-
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	15.5 W	0.340 A	-
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	36.6 W	0.560 A	-
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	36.6 W	0.560 A	-
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	14.2 W	0.380 A	-
927850074102	TLDRS16W-S84ECO 25PK	16 W	0.265 A	-
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	18 W	0.360 A	59 V
927981186524	TL-D 18W/865 1SL/25	18 W	0.360 A	59 V
927981383024	TL-D 36W/830 1SL/25	36 W	0.440 A	103 V
927981384024	TL-D 36W/840 1SL/25	36 W	0.440 A	103 V
927981385024	TL-D 36W/850 1SL/25	36 W	0.440 A	103 V
927981386524	TL-D 36W/865 1SL/25	36 W	0.440 A	103 V
927981584024	TL-D 58W/840 1SL/25	58 W	0.670 A	111 V
927981586524	TL-D 58W/865 1SL/25	58 W	0.670 A	111 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	T8
927921084023	MASTER TL-D Super 80 36W/840 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
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	T8
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	T8
927850074102	TLDRS16W-S84ECO 25PK	T8
927850085002	TLDRS16W-S85ECO 25PK	T-8
927869773002	TLDRS32W-S83ECO 25PK	T-8
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
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	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
927920086544	MASTER TL-D Super 80 18W/865 1SL/25	1.7 mg	19 kWh
927921084023	MASTER TL-D Super 80 36W/840 1SL/25	1.7 mg	37 kWh
927922084023	MASTER TL-D Super 80 58W/840 1SL/25	1.7 mg	60 kWh
927922282714	MASTER TL-D Super 80 15W/827 SLV/25	1.7 mg	16 kWh
927923083014	MASTER TL-D Super 80 1m 36W/830 SLV/25	1.7 mg	37 kWh
927923084014	MASTER TL-D Super 80 1m 36W/840 SLV/25	1.7 mg	37 kWh
928024384001	MASTER TL-D Super 80 14W/840 SLV/25	2 mg	15 kWh
927850074102	TLDRS16W-S84ECO 25PK	3.0 mg	20 kWh
927850085002	TLDRS16W-S85ECO 25PK	1.7 mg	-
927869773002	TLDRS32W-S83ECO 25PK	1.7 mg	-
927869774112	TLDRS32W-S84ECO 25PK	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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