



Product Description

MASTER TL-D Eco

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

Benefits

- Simple lamp-for-lamp replacement for more than 10% energy savings
- Makes lighting installations compliant with latest indoor lighting standards
- Relatively high efficacy, both initially and during lifetime, with high lumen maintenance

Features

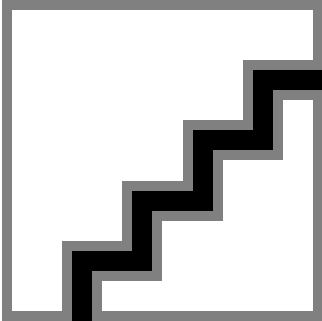
- The only T8 fluorescent lamp that saves more than 10% of energy in existing indoor luminaires
- Can be directly retrofitted into existing fluorescent fittings operating on conventional EM or HF gear in indoor applications
- Uses the latest highly efficient phosphors and special filling gas
- High-quality lighting with good color rendering (CRI>80)
- Light output comparable to other TL-D Super 80 colors
- Lumen maintenance and lifetime the same as other TL-D Super 80 colors
- Dimmable

Application

- Indoor working areas (office, public/government buildings, schools, hospitals, etc.) with ambient temperatures above 15 °C

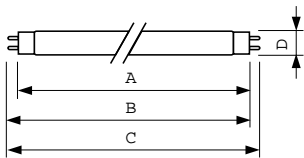
MASTER TL-D Eco

Versions



G13, T8

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Eco 51W/865 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Eco 16W/865 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Eco 16W/830 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Eco 32W/830 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Eco 51W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Eco 32W/865 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Eco 51W/830 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Eco 16W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Eco 32W/840 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

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Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg

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 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %

Light Technical

Color Rendering Index (Nom)	>80
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)	30 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
26458940	MASTER TL-D Eco 32W/830 1SL/25	39 kWh
26462640	MASTER TL-D Eco 32W/840 1SL/25	39 kWh
26464040	MASTER TL-D Eco 32W/865 1SL/25	39 kWh
26466440	MASTER TL-D Eco 51W/830 1SL/25	60 kWh
26470140	MASTER TL-D Eco 51W/840 1SL/25	60 kWh
26472540	MASTER TL-D Eco 51W/865 1SL/25	60 kWh
26857040	MASTER TL-D Eco 16W/830 1SL/25	19 kWh
26861740	MASTER TL-D Eco 16W/840 1SL/25	20 kWh
26871640	MASTER TL-D Eco 16W/865 1SL/25	20 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	0.448 A	32.2 W
26462640	MASTER TL-D Eco 32W/840 1SL/25	0.448 A	32.2 W
26464040	MASTER TL-D Eco 32W/865 1SL/25	0.448 A	32.2 W
26466440	MASTER TL-D Eco 51W/830 1SL/25	0.700 A	51.4 W
26470140	MASTER TL-D Eco 51W/840 1SL/25	0.700 A	51.4 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
26472540	MASTER TL-D Eco 51W/865 1SL/25	0.700 A	51.4 W
26857040	MASTER TL-D Eco 16W/830 1SL/25	0.380 A	15.7 W
26861740	MASTER TL-D Eco 16W/840 1SL/25	0.380 A	15.7 W
26871640	MASTER TL-D Eco 16W/865 1SL/25	0.380 A	15.7 W

Light Technical (1/2)

MASTER TL-D Eco

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	830	Warm White (WW)	3000 K	82 lm/W
26462640	MASTER TL-D Eco 32W/840 1SL/25	840	Cool White (CW)	4000 K	82 lm/W
26464040	MASTER TL-D Eco 32W/865 1SL/25	865	Cool Daylight	6500 K	79 lm/W
26466440	MASTER TL-D Eco 51W/830 1SL/25	830	Warm White (WW)	3000 K	89 lm/W
26470140	MASTER TL-D Eco 51W/840 1SL/25	840	Cool White (CW)	4000 K	89 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
26472540	MASTER TL-D Eco 51W/865 1SL/25	865	Cool Daylight	6500 K	84 lm/W
26857040	MASTER TL-D Eco 16W/830 1SL/25	830	Warm White (WW)	3000 K	75 lm/W
26861740	MASTER TL-D Eco 16W/840 1SL/25	840	Cool White (CW)	4000 K	75 lm/W
26871640	MASTER TL-D Eco 16W/865 1SL/25	865	Cool Daylight	6500 K	72 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	3000 lm	2650 lm
26462640	MASTER TL-D Eco 32W/840 1SL/25	3000 lm	2650 lm
26464040	MASTER TL-D Eco 32W/865 1SL/25	2850 lm	2550 lm
26466440	MASTER TL-D Eco 51W/830 1SL/25	4800 lm	4550 lm
26470140	MASTER TL-D Eco 51W/840 1SL/25	4800 lm	4550 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
26472540	MASTER TL-D Eco 51W/865 1SL/25	4470 lm	4300 lm
26857040	MASTER TL-D Eco 16W/830 1SL/25	1300 lm	1175 lm
26861740	MASTER TL-D Eco 16W/840 1SL/25	1300 lm	1175 lm
26871640	MASTER TL-D Eco 16W/865 1SL/25	1225 lm	1125 lm

