



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

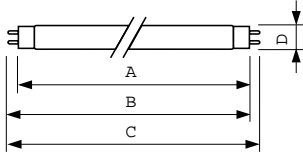
- Indoor working areas (office, public/government buildings, schools, hospitals, etc.) with ambient temperatures above 15 °C

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 Eco

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 32W/840 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 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 51W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm

Controls and dimming

Dimmable	Yes
----------	-----

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

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
------------	----

Temperature

Design Temperature (Nom)	30 °C
--------------------------	-------

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	33 kWh	1.7 mg
26462640	MASTER TL-D Eco 32W/840 1SL/25	33 kWh	1.7 mg
26464040	MASTER TL-D Eco 32W/865 1SL/25	33 kWh	1.7 mg
26466440	MASTER TL-D Eco 51W/830 1SL/25	50 kWh	1.7 mg
26470140	MASTER TL-D Eco 51W/840 1SL/25	50 kWh	1.7 mg
26472540	MASTER TL-D Eco 51W/865 1SL/25	50 kWh	1.7 mg
26857040	MASTER TL-D Eco 16W/830 1SL/25	16 kWh	1.7 mg
26861740	MASTER TL-D Eco 16W/840 1SL/25	16 kWh	1.7 mg
26871640	MASTER TL-D Eco 16W/865 1SL/25	20 kWh	2.0 mg

MASTER TL-D Eco

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	0.448 A	32.4 W
26462640	MASTER TL-D Eco 32W/840 1SL/25	0.448 A	32.4 W
26464040	MASTER TL-D Eco 32W/865 1SL/25	0.448 A	32.4 W
26466440	MASTER TL-D Eco 51W/830 1SL/25	0.700 A	49.8 W
26470140	MASTER TL-D Eco 51W/840 1SL/25	0.700 A	49.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
26472540	MASTER TL-D Eco 51W/865 1SL/25	0.700 A	49.8 W
26857040	MASTER TL-D Eco 16W/830 1SL/25	0.380 A	15.8 W
26861740	MASTER TL-D Eco 16W/840 1SL/25	0.380 A	15.8 W
26871640	MASTER TL-D Eco 16W/865 1SL/25	0.380 A	15.7 W

Light technical (1/2)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
26458940	MASTER TL-D Eco 32W/830 1SL/25	0.44	0.403	830	Warm White (WW)
26462640	MASTER TL-D Eco 32W/840 1SL/25	0.38	0.38	840	Cool White (CW)
26464040	MASTER TL-D Eco 32W/865 1SL/25	0.313	0.337	865	Cool Daylight
26466440	MASTER TL-D Eco 51W/830 1SL/25	0.44	0.403	830	Warm White (WW)
26470140	MASTER TL-D Eco 51W/840 1SL/25	0.38	0.38	840	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
26472540	MASTER TL-D Eco 51W/865 1SL/25	0.313	0.337	865	Cool Daylight
26857040	MASTER TL-D Eco 16W/830 1SL/25	0.44	0.403	830	Warm White (WW)
26861740	MASTER TL-D Eco 16W/840 1SL/25	0.38	0.38	840	Cool White (CW)
26871640	MASTER TL-D Eco 16W/865 1SL/25	-	-	865	Cool Daylight

Light technical (2/2)

Order Code	Full Product Name	Correlated Color	Color Rendering Index	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		Temperature (Nom)	(Nom)	(Nom)	(Nom)	(Nom)
26458940	MASTER TL-D Eco 32W/830 1SL/25	3000 K	82	82 lm/W	2650 lm	2650 lm
26462640	MASTER TL-D Eco 32W/840 1SL/25	4000 K	82	82 lm/W	2650 lm	2650 lm
26464040	MASTER TL-D Eco 32W/865 1SL/25	6500 K	82	79 lm/W	2550 lm	2550 lm
26466440	MASTER TL-D Eco 51W/830 1SL/25	3000 K	82	89 lm/W	4150 lm	4550 lm
26470140	MASTER TL-D Eco	4000 K	82	89 lm/W	4150 lm	4550 lm

Order Code	Full Product Name	Correlated Color	Color Rendering Index	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		Temperature (Nom)	(Nom)	(Nom)	(Nom)	(Nom)
	51W/840 1SL/25					
26472540	MASTER TL-D Eco 51W/865 1SL/25	6500 K	82	84 lm/W	3925 lm	4300 lm
26857040	MASTER TL-D Eco 16W/830 1SL/25	3000 K	82	75 lm/W	1100 lm	1175 lm
26861740	MASTER TL-D Eco 16W/840 1SL/25	4000 K	82	75 lm/W	1100 lm	1175 lm
26871640	MASTER TL-D Eco	6500 K	>80	72 lm/W	1225 lm	1125 lm

MASTER TL-D Eco

	Full	Correlated Color	Color Rendering	Luminous Efficacy	Luminous Flux	Luminous Flux
Order Code	Product Name	Temperature (Nom)	Index (Nom)	(rated) (Nom)	Flux (Nom)	(Rated) (Nom)
	16W/865					
	1SL/25					

