



# Product Description

## MASTER TL-D Xtreme

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

### Benefits

- Longer lifetime and less early failures lead to less hassle and lower maintenance costs and facilitate the change from spot to group replacement
- Less waste and disposal cost at end-of-life
- Special fluorescent coating gives good colour rendering

### Features

- Significant reduction of early failures based upon a new technology (patent pending)
- Extreme long and reliable lifetime
- Highly efficient 3-band fluorescent coating in combination with New Generation pre-coating technology
- Low mercury dose for a long-life lamp (5 mg)
- Fully recyclable lamp technology
- End-cap has an x-shaped green bottom plate to distinguish lamp from other fluorescent lamps

### Application

- Suitable for use in applications where maintenance costs (high ceilings, difficult to reach) and disruptive costs are high (stopping of production process, closure of tunnels), or where lamp failure is not acceptable for e.g. safety reasons: tunnels, process, food and petrochemical industries

### Warnings and Safety

- To achieve published lifetimes for 100% operation, do not dim below 30%
- When used on electromagnetic gear, it is strongly recommended to apply only Philips S10 or S10E starters (for 18W types S2 or S2E) to achieve the published lifetimes, and to install new starters when relamping.
- 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 Xtreme

Approval and application	
Mercury (Hg) Content (Max)	3 mg
Mercury (Hg) Content (Nom)	3.0 mg
Controls and dimming	
Dimmable	Yes
General information	
Cap-Base	G13
Life To 50% Failures Preheat (Nom)	79000 h
Life To 50% Failures (Nom)	47000 h
LSF 12000 h Rated	99 %
LSF 16000 h Rated	99 %
LSF 2000 h Rated	100 %
LSF 20000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
Light technical	
Colour Rendering Index (Nom)	82
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)	25 °C

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	37 kWh
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	59 kWh

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	0.430 A	36.4 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	0.665 A	58.9 W

Light technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code	Colour Designation
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	0.44	0.403	830	Warm white (WW)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code	Colour Designation
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	0.38	0.38	840	Cool White (CW)

Light technical (2/2)

MASTER TL-D Xtreme

		Correlated	Luminous		
		Colour	Efficacy		
		Temperature	(rated)	Luminous	Luminous
Order Code	Full Product Name	(Nom)	(Nom)	Flux (Nom)	Flux (Rated)
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	3000 K	90 lm/W	3200 lm	3250 lm
55886240	MASTER TL-D Xtreme	4000 K	88 lm/W	5100 lm	5150 lm

		Correlated	Luminous		
		Colour	Efficacy		
		Temperature	(rated)	Luminous	Luminous
Order Code	Full Product Name	(Nom)	(Nom)	Flux (Nom)	Flux (Rated)
	58W/840 1SL/25				

