



# 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
- Fully recyclable lamp technology
- End-cap has an x-shaped green bottom plate to distinguish lamp from other fluorescent lamps

### Application

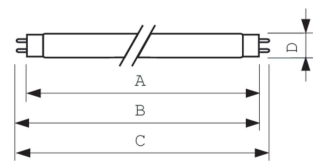
- Suitable for use in applications where maintenance costs (high ceilings, difficult to reach) and disruptive costs are high (stopping of production process, closure of tunnels), or where lamp failure is not acceptable for e.g. safety reasons: tunnels, process, food and petrochemical industries

### 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

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Xtreme 18W/830 SLV	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtreme 18W/840 SLV	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtreme 36W/830 SLV	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Xtreme 36W/840 SLV	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Xtreme 36W/865 SLV	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Xtreme 58W/830 SLV	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
MASTER TL-D Xtreme 58W/840 SLV	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information	
Cap-Base	G13
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T8
Approval and Application	
Mercury (Hg) Content (Max)	3 mg
Mercury (Hg) Content (Nom)	3.0 mg

## Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)					
54492640	MASTER TL-D Xtreme 18W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	76.3 lm/W	1,300 lm
54496440	MASTER TL-D Xtreme 18W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	82	76 lm/W	1,300 lm
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	90 lm/W	3,200 lm
55868840	MASTER TL-D Xtreme 36W/840 1SL	0.38	0.38	Cool White (CW)	4000 K	82	90 lm/W	3,200 lm
89277540	MASTER TL-D Xtreme 36W/865 1SL/25	0.313	0.337	Cool Daylight	6500 K	80	88 lm/W	3,150 lm
55882440	MASTER TL-D Xtreme 58W/830 1SL/25	0.44	0.403	Warm White (WW)	3000 K	82	88 lm/W	5,100 lm
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	0.38	0.38	Cool White (CW)	4000 K	82	88 lm/W	5,100 lm

## Operating and Electrical

# MASTER TL-D Xtreme

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power Consumption
54492640	MASTER TL-D Xtreme 18W/830 1SL/25	0.370 A	18.0 W
54496440	MASTER TL-D Xtreme 18W/840 1SL/25	0.370 A	18.0 W
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	0.430 A	36.4 W
55868840	MASTER TL-D Xtreme 36W/840 1SL	0.430 A	36.4 W

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power Consumption
89277540	MASTER TL-D Xtreme 36W/865 1SL/25	0.430 A	36.4 W
55882440	MASTER TL-D Xtreme 58W/830 1SL/25	0.665 A	58.9 W
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	0.665 A	58.9 W

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000	
		h	
54492640	MASTER TL-D Xtreme 18W/830 1SL/25	18 kWh	
54496440	MASTER TL-D Xtreme 18W/840 1SL/25	18 kWh	
55866440	MASTER TL-D Xtreme 36W/830 1SL/25	37 kWh	
55868840	MASTER TL-D Xtreme 36W/840 1SL	37 kWh	

Order Code	Full Product Name	Energy Consumption kWh/1000	
		h	
89277540	MASTER TL-D Xtreme 36W/865 1SL/25	37 kWh	
55882440	MASTER TL-D Xtreme 58W/830 1SL/25	59 kWh	
55886240	MASTER TL-D Xtreme 58W/840 1SL/25	59 kWh	

