



Fit and Forget

MASTER TL-D Xtreme

This MASTER TL-D Xtreme lamp offers extremely long lifetime. This results in extra-low lamp cost over life. It is therefore suitable for places where lamp replacement is expensive, due to high ceilings or disturbance of operations, and applications with long burning cycles, e.g. tunnels, oil rigs, manufacturing lines. It can be operated on existing gear or dedicated HF Xtreme gear.

Benefits

- Extremely long lifetime - up to 10 years of operation - results in lower maintenance costs, less waste and disposal costs at end-of-life
- Less hassle due to fewer early failures
- Facilitating the change from spot to group replacement

Features

- Extremely long lifetime - up to 10 years operation; longest lifetime is achieved with special designed Philips HF Xtreme gear
- End-cap has an x-shaped green bottom plate to distinguish the lamp from other fluorescent lamps
- Low mercury dose (3 mg)

Application

- Suitable for use in applications where maintenance is expensive (high ceilings, difficult to reach) and disruptive (stopping of production process, closure of tunnels), or where lamp failure is unacceptable 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.

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Versions



G13, T8/T12

Dimensional drawing

Product	D (max)	A (max)	B (max)	B (min)	C (max)
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 18W/865 SLV	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtreme 36W/830 SLV	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Xtreme 36W/865 SLV	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Xtreme 36W/840 SLV	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Xtreme 58W/865 SLV	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtreme 58W/830 SLV	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtreme 58W/840 SLV	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtreme 18W/830 SLV	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm

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Approval and Application

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

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/	Mercury (Hg) Content
		1000 h	(Max)
927980383014	MASTER TL-D Xtreme 18W/830 SLV	18 kWh	3 mg
927980384014	MASTER TL-D Xtreme 18W/840 SLV	18 kWh	3 mg
927980386514	MASTER TL-D Xtreme 18W/865 SLV	22 kWh	-
927982383014	MASTER TL-D Xtreme 36W/830 SLV	37 kWh	3 mg
927982384014	MASTER TL-D Xtreme 36W/840 SLV	37 kWh	3 mg
927982386514	MASTER TL-D Xtreme 36W/865 SLV	37 kWh	3 mg
927983383014	MASTER TL-D Xtreme 58W/830 SLV	59 kWh	3 mg
927983384014	MASTER TL-D Xtreme 58W/840 SLV	59 kWh	3 mg
927983386514	MASTER TL-D Xtreme 58W/865 SLV	59 kWh	3 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927980383014	MASTER TL-D Xtreme 18W/830 SLV	0.370 A	18 W
927980384014	MASTER TL-D Xtreme 18W/840 SLV	0.370 A	18 W
927980386514	MASTER TL-D Xtreme 18W/865 SLV	0.370 A	17.7 W
927982383014	MASTER TL-D Xtreme 36W/830 SLV	0.430 A	36.4 W
927982384014	MASTER TL-D Xtreme 36W/840 SLV	0.430 A	36.4 W
927982386514	MASTER TL-D Xtreme 36W/865 SLV	0.430 A	36.4 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927983383014	MASTER TL-D Xtreme 58W/830 SLV	0.665 A	58.9 W
927983384014	MASTER TL-D Xtreme 58W/840 SLV	0.665 A	58.9 W
927983386514	MASTER TL-D Xtreme 58W/865 SLV	0.665 A	58.9 W

Light Technical (1/2)

MASTER TL-D Xtreme

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
927980383014	MASTER TL-D Xtreme 18W/830 SLV	0.44	0.403	830	Warm White (WW)
927980384014	MASTER TL-D Xtreme 18W/840 SLV	0.38	0.38	840	Cool White (CW)
927980386514	MASTER TL-D Xtreme 18W/865 SLV	-	-	865	Cool Daylight
927982383014	MASTER TL-D Xtreme 36W/830 SLV	0.44	0.403	830	Warm White (WW)
927982384014	MASTER TL-D Xtreme 36W/840 SLV	0.38	0.38	840	Cool White (CW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
927982386514	MASTER TL-D Xtreme 36W/865 SLV	0.313	0.337	865	Cool Daylight
927983383014	MASTER TL-D Xtreme 58W/830 SLV	0.44	0.403	830	Warm White (WW)
927983384014	MASTER TL-D Xtreme 58W/840 SLV	0.38	0.38	840	Cool White (CW)
927983386514	MASTER TL-D Xtreme 58W/865 SLV	0.313	0.337	865	Cool Daylight

Light Technical (2/2)

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous	Luminous
		Color Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
927980383014	MASTER TL-D Xtreme 18W/830 SLV	3000 K	82	76.3 lm/W	1300 lm	1350 lm
927980384014	MASTER TL-D Xtreme 18W/840 SLV	4000 K	82	76 lm/W	1300 lm	1350 lm
927980386514	MASTER TL-D Xtreme 18W/865 SLV	6500 K	>80	70.6 lm/W	1250 lm	1250 lm
927982383014	MASTER TL-D Xtreme 36W/830 SLV	3000 K	82	90 lm/W	3200 lm	3250 lm
927982384014	MASTER TL-D Xtreme 36W/840 SLV	4000 K	82	90 lm/W	3200 lm	3250 lm

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous	Luminous
		Color Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
927982386514	MASTER TL-D Xtreme 36W/865 SLV	6500 K	80	88 lm/W	3150 lm	3150 lm
927983383014	MASTER TL-D Xtreme 58W/830 SLV	3000 K	82	88 lm/W	5100 lm	5150 lm
927983384014	MASTER TL-D Xtreme 58W/840 SLV	4000 K	82	88 lm/W	5100 lm	5150 lm
927983386514	MASTER TL-D Xtreme 58W/865 SLV	6500 K	80	86 lm/W	5000 lm	5000 lm

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