



Long life fluorescent lighting

MASTER TL-D Xtra

This TL-D Xtra lamp offers a longer lifetime and guarantees fewer early failures. This results in low maintenance costs and saves on expensive spot replacement. It is therefore suitable for places where lamp replacement is expensive due to high ceilings or disturbance of operations. This lamp can be operated on existing gear or dedicated HF Xtreme gear.

Benefits

- Longer lifetime 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

- Extra long lifetime; longest lifetime is achieved with specially 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 (3mg)

Application

- Suitable for use in applications where maintenance costs are high (high ceilings, difficult to reach): department stores, supermarkets, warehouses, production halls and public areas like car parks and railway stations

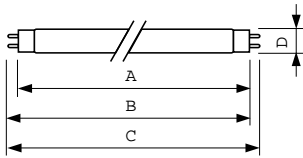
MASTER TL-D Xtra

Versions



G13, T8

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Xtra 70W/840 SLV	28 mm	1763.8 mm	1770.9 mm	1768.5 mm	1778.0 mm
MASTER TL-D Xtra 58W/865 SLV	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtra 58W/840 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtra 58W/830 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtra 18W/830 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtra 36W/840 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Xtra 36W/830 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Xtra 18W/865 SLV	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtra 18W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtra 36W/865 SLV	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)	3.0 mg

Controls and Dimming

Dimmable	Yes
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General Information

Cap-Base	G13
Life To 50% Failures Preheat (Nom)	55000 h
Life To 50% Failures (Nom)	36000 h
LSF 2000 h Rated	100 %

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)	25 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	22 kWh
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	22 kWh
927980486514	MASTER TL-D Xtra 18W/865 SLV	22 kWh
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	43 kWh
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	43 kWh
927982486514	MASTER TL-D Xtra 36W/865 SLV	44 kWh
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	68 kWh
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	68 kWh
927983486514	MASTER TL-D Xtra 58W/865 SLV	68 kWh
927984884014	MASTER TL-D Xtra 70W/840 SLV	81 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	0.370 A	17.7 W
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	0.370 A	17.7 W
927980486514	MASTER TL-D Xtra 18W/865 SLV	0.370 A	17.7 W
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	0.435 A	37.0 W
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	0.435 A	37.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927982486514	MASTER TL-D Xtra 36W/865 SLV	0.435 A	37.0 W
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	0.665 A	58.5 W
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	0.665 A	58.5 W
927983486514	MASTER TL-D Xtra 58W/865 SLV	0.665 A	58 W
927984884014	MASTER TL-D Xtra 70W/840 SLV	0.700 A	70.0 W

General Information (1/2)

Order Code	Full Product Name	Life To 10%			
		Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	29500 h	99 %	99 %	99 %
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	29500 h	99 %	99 %	99 %
927980486514	MASTER TL-D Xtra 18W/865 SLV	30000 h	100 %	100 %	100 %
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	30000 h	99 %	99 %	99 %

Order Code	Full Product Name	Life To 10%			
		Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	30000 h	99 %	99 %	99 %
927982486514	MASTER TL-D Xtra 36W/865 SLV	30000 h	99 %	99 %	99 %
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	30000 h	100 %	100 %	100 %
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	30000 h	99 %	99 %	99 %

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Order Code	Full Product Name	Life To 10%			
		Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated
927983486514	MASTER TL-D Xtra 58W/865 SLV	30000 h	99 %	99 %	99 %

Order Code	Full Product Name	Life To 10%			
		Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated
927984884014	MASTER TL-D Xtra 70W/840 SLV	30000 h	99 %	99 %	99 %

General Information (2/2)

Order Code	Full Product Name	Life To 10%		
		LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	99 %	99 %	99 %
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	99 %	99 %	99 %
927980486514	MASTER TL-D Xtra 18W/865 SLV	100 %	100 %	100 %
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	99 %	99 %	99 %
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	99 %	99 %	99 %

Order Code	Full Product Name	Life To 10%		
		LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
927982486514	MASTER TL-D Xtra 36W/865 SLV	99 %	99 %	99 %
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	100 %	100 %	100 %
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	99 %	99 %	99 %
927983486514	MASTER TL-D Xtra 58W/865 SLV	99 %	99 %	99 %
927984884014	MASTER TL-D Xtra 70W/840 SLV	99 %	99 %	99 %

Light Technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated	
				Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	830	Warm White (WW)	3000 K	76 lm/W
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	840	Cool White (CW)	4000 K	76 lm/W
927980486514	MASTER TL-D Xtra 18W/865 SLV	865	Cool Daylight	6500 K	71 lm/W
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	830	Warm White (WW)	3000 K	93 lm/W
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	840	Cool White (CW)	4000 K	93 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated	
				Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
927982486514	MASTER TL-D Xtra 36W/865 SLV	865	Cool Daylight	6500 K	87 lm/W
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	830	Warm White (WW)	3000 K	91 lm/W
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	840	Cool White (CW)	4000 K	91 lm/W
927983486514	MASTER TL-D Xtra 58W/865 SLV	865	Cool Daylight	6500 K	86 lm/W
927984884014	MASTER TL-D Xtra 70W/840 SLV	840	Cool White (CW)	4000 K	89 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	
		(Nom)	(Rated) (Nom)
927980483014	MASTER TL-D Xtra 18W/830 SLV/25	1350 lm	1350 lm
927980484014	MASTER TL-D Xtra 18W/840 SLV/25	1350 lm	1350 lm
927980486514	MASTER TL-D Xtra 18W/865 SLV	1250 lm	1250 lm
927982483014	MASTER TL-D Xtra 36W/830 SLV/25	3350 lm	3350 lm
927982484014	MASTER TL-D Xtra 36W/840 SLV/25	3350 lm	3350 lm

Order Code	Full Product Name	Luminous Flux	
		(Nom)	(Rated) (Nom)
927982486514	MASTER TL-D Xtra 36W/865 SLV	3200 lm	3200 lm
927983483014	MASTER TL-D Xtra 58W/830 SLV/25	5200 lm	5200 lm
927983484014	MASTER TL-D Xtra 58W/840 SLV/25	5200 lm	5200 lm
927983486514	MASTER TL-D Xtra 58W/865 SLV	5000 lm	5000 lm
927984884014	MASTER TL-D Xtra 70W/840 SLV	6150 lm	6150 lm

