

2016, October 20
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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

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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.

General Information (1/2)

order code	Bulb Shape	Cap-Base	Life To 50% Failures Preheat (Nom)	Life To 50% Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated
54496440	T8	G13	79000	47000	99	99	100	99	99	99
55868840	T8	G13	79000	47000	99	99	100	99	99	99
55886240	T8	G13	79000	47000	99	99	100	99	99	99
89279940	T8	G13	79000	47000	99	99	100	99	99	99

General Information (2/2)

order code	LSF 8000 h Rated
54496440	99
55868840	99

order code	LSF 8000 h Rated
55886240	99
89279940	99

Light Technical (1/2)

order code	Chroma-ticity Coor-dinate X (Nom)	Chroma-ticity Coor-dinate Y (Nom)	Color Desig-nation	Correlated Color Tempera-ture (Nom)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated
54496440	383	381	Cool White (CW)	4100	85	92	91	96	90	95
55868840	383	379	Cool White (CW)	4100	85	92	91	96	90	95
55886240	381	381	Cool White (CW)	4100	85	92	91	96	90	95
89279940	316	336	Cool Daylight	6500	85	92	91	96	90	95

Light Technical (2/2)

order code	LLMF 6000 h Rated	LLMF 8000 h Rated	Luminous Efficacy (rated) (Nom)	Lumi-nous Flux (Nom)	Luminous Flux (Rated) (Nom)
54496440	94	93	76	1350	1350
55868840	94	93	90	3250	3250
55886240	94	93	88	5150	5150
89279940	94	93	86	5000	5000

Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
54496440	0.370	17.7
55868840	0.430	36.0

order code	Lamp Current (Nom)	Power (Rated) (Nom)
55886240	0.665	58.5
89279940	0.665	58.5

Temperature

order code	Design Temperature (Nom)
54496440	25
55868840	25
55886240	25
89279940	25

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
54496440	22	A	3.0
55868840	42	A	3.0

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
55886240	68	A	3.0
89279940	68	A	3.0

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