



Simply 30 % energy saving

MASTER TL-D Power Saver Set

The MASTER TL-D Power Saver Set is a perfect solution for upgrading your existing lighting installation with a special TL-D lamp with an intelligent starter. It offers considerable energy savings while maintaining the same lighting level and a better light quality. The MASTER TL-D Power Saver Set is easy to install, simply by changing the lamp and the starter. The benefits are huge in all current installations with TL-D lamps.

Benefits

- Significant energy saving while maintaining light levels and improving light quality in comparison with TL-D Standard colours lamps (halophosphate)
- Higher colour rendering than TL-D Standard colours lamps (halophosphate)
- Longer lifetime than TL-D Standard colours lamps (halophosphate)
- Instant, smooth and flicker-free start-up of the lamps
- Lamps are switched off directly at end-of-life, preventing irritation (no flickering), unnecessary electricity consumption and fire risk
- Starter contains flame-retardant components; UV-resistant canister ensures increased safety and secure ignition

Features

- Up to 30% energy saving, while maintaining the lighting level compared to a TL-D Standard colours lamps (halophosphate), is achieved by an intelligent electronic starter in combination with the most efficient fluorescent TL-D lamp
- Designed for operation on electromagnetic gear only
- Full thermal safety monitoring which cuts off defective or end-of-life lamps
- Instant flicker-free ignition (nom. 2.0 seconds)
- Can be ignited from -15 to +50 °C
- Product range is RoHS-compliant
- Product range is covered by WEEE

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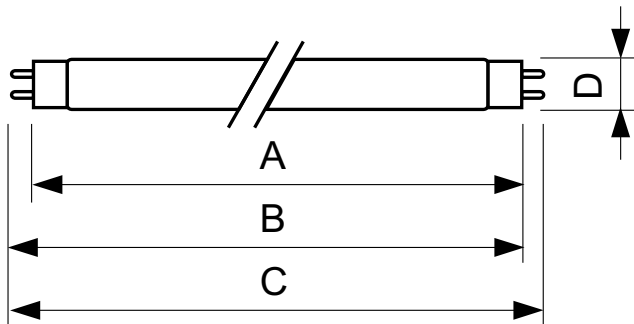
Application

- Suitable to replace TL-D Standard colours lamps (halophosphate) in all existing TL-D luminaires with electromagnetic gear (220/240V, 50 Hz). Use on 60 Hz and/or 110 V systems leads to non-functionality of the system.
- Can also be used to replace MASTER TL-D Super 80 lamps, but the light output of the total installation will then be reduced by approximately 20%.

Versions



Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Power Saver Set 37=58W/865 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Power Saver Set 23=36W/840 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Power Saver Set 12=18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm

MASTER TL-D Power Saver Set

Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg

Controls and Dimming

Dimmable	no
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General Information

Cap-Base	G13
LSF 12000 h Rated	94 %
LSF 16000 h Rated	90 %
LSF 2000 h Rated	100 %
LSF 20000 h Rated	50 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	96 %

Light Technical

Colour Rendering Index (Nom)	82
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	90 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	94 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %

Mechanical and Housing

Bulb Shape	T8
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
91498600	MASTER TL-D Power Saver Set 12=18W/840 1SL/25	15 kWh
91504400	MASTER TL-D Power Saver Set 23=36W/840 1SL/25	28 kWh
91512900	MASTER TL-D Power Saver Set 37=58W/865 1SL/25	44 kWh

Light Technical

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)
91498600	MASTER TL-D Power Saver Set 12=18W/840 1SL/25	840	Cool White (CW)	4000 K
91504400	MASTER TL-D Power Saver Set 23=36W/840 1SL/25	840	Cool White (CW)	4000 K

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)
91512900	MASTER TL-D Power Saver Set 37=58W/865 1SL/25	865	Cool Daylight	6500 K

