Very long life, shatterfree fluorescent lighting

MASTER TL-D Xtreme Secura

This TL-D Xtreme lamp has a protective coating that keeps glass and lamp components together in the event of accidental breakage. The lamp is easily identifiable by a blue ring at one end. Application areas are all places where glass shatters can disturb operations and can have an impact on product and people safety, e.g. the food and beverage industry. The lamp has a Teflon coating . It is compliant with HACCP regulations.

Benefits
• Special protective coating around the lamp prevents products from contamination in case of accidental lamp breakage, easily recognized in audit situation by one blue ring at one end
• The protective coating has a high temperature-resistance and no degradation to be expected under influence of temperature or UV within specified lamp life (50% failures @ 3 hrs switching cycle)
• Makes luminaires compliant with relevant standards in the industry, such as HACCP, ISO 22000 and IEC 61549

Features
• Protective coating (Teflon) around the lamp, indicated by one blue ring at one end
• Extremely long life and high reliability, identified by x-shaped end-cap to distinguish the lamp from other fluorescent lamps
• Recommended to use with electronic gear that allows higher efficacy and longer lifetime
• Use in open and closed luminaires possible (as indicated by one blue ring), due to strong, temperature-resistant coating

Application
• Food & beverages and pharmaceuticals industry: factories, distribution centres, retail outlets; locations where maintenance and/or process disruption costs are high (high ceilings, difficult access)
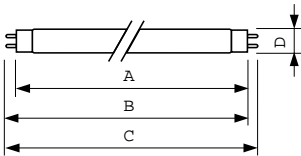
data subject to change

MASTER TL-D Xtreme Secura

Versions

G13, T8

Dimensional drawing

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Xtreme Secura 58W/840 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Xtreme Secura 18W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Xtreme Secura 36W/840 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

MASTER TL-D Xtreme Secura

Approval and Application

Energy Efficiency Label (EEL)	A
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

Color Code	840
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
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

Temperature

Design Temperature (Nom)	25 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927980784074	MASTER TL-D Xtreme Secura 18W/840 SLV/25	21 kWh
927982784074	MASTER TL-D Xtreme Secura 36W/840 SLV/25	42 kWh
927983784074	MASTER TL-D Xtreme Secura 58W/840 SLV/25	68 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927980784074	MASTER TL-D Xtreme Secura 18W/840 SLV/25	0.370 A	17.7 W
927982784074	MASTER TL-D Xtreme Secura 36W/840 SLV/25	0.430 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927983784074	MASTER TL-D Xtreme Secura 58W/840 SLV/25	0.665 A	58.5 W

Light Technical

MASTER TL-D Xtreme Secura

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927980784074	MASTER TL-D Xtreme Secura 18W/840 SLV/25	73 lm/W	1300 lm	1300 lm
927982784074	MASTER TL-D Xtreme Secura 36W/840 SLV/25	90 lm/W	3250 lm	3250 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927983784074	MASTER TL-D Xtreme Secura 58W/840 SLV/25	86 lm/W	5000 lm	5000 lm