PHILIPS

MASTER TL-D Secura



TLDSE8

Shatterfree fluorescent lighting

This TL-D 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

Applications

- For use where contamination resulting from lamp breakage must be prevented, e.g. in food preparation, health care, pharmaceuticals, cleanrooms etc.
- Suitable for use in environments with increased risk of breakage, e.g. sports halls
- Suitable for use in environments where UV emission should be reduced (museums, libraries, archives, food industry, fashion shops, etc.)

Features

- Protective coating (Surlyn) around the lamp, indicated by two blue rings at one lamp end. This lamp is NOT meant for application in closed luminaires
- Fully compliant with IEC 61549 - Fragment Retention Lamp Standard and with relevant standards in the food industry, such as HACCP and ISO 22000
- No degradation under influence of temperature or UV
- Coating blocks 90 % of UV emission of the lamp
- Fully recyclable, including the protective lamp coating
- Relatively high efficacy, both initially and during lamp lifetime, with high lumen maintenance
- Not suitable for closed luminaires (as indicated by two blue rings)
- Recommended use in combination with self-stopping lamp control system

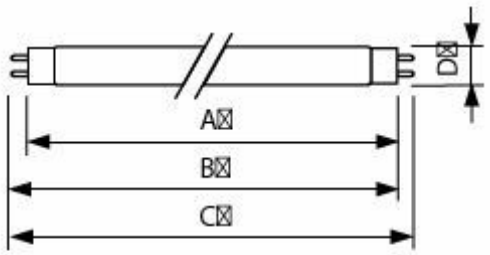
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- In order to ensure the integrity of the coating, it is strongly recommended to replace Secura lamps before or at the moment the specified lamp life (50% failures @ 3 hrs switching cycle) is reached.

Versions



TL-D8SE G13 RT

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Secura 36W/840 SLV/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm

General Information

Cap-Base	G13 [Medium Bi-Pin Fluorescent]

Light Technical

Luminous Flux	3,250 lm
Color Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	0.38
Chromaticity Coordinate Y (Nom)	0.38
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	89 lm/W
Color rendering index (CRI)	80

Operating and Electrical

Power Consumption	36.8 W
Lamp Current (Nom)	0.440 A

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Shape	T8

Approval and Application

Mercury (Hg) Content (Nom)	1.7 mg
Energy Consumption kWh/1000 h	37 kWh

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