



Shatterfree fluorescent lighting

MASTER TL-D Food Secura

The TL-D Food Secura lamp makes the appearance of meat and bakery products more fresh and tasty and has a protective coating that keeps glass and lamp components together in the event of accidental breakage. The lamp is easily identifiable by two blue rings at one end. Application areas are all places where glass shatters can have an impact on product exposure and safety. The lamp has a Surlyn coating which blocks UV light. It is compliant with HACCP regulations. It can be applied for food illumination in butcher shops, bakeries, supermarkets etc.

Benefits

- Makes the appearance of food (especially meat) more tasty
- Special protective coating around the lamp, prevents products from contamination in case of accidental lamp breakage; easily recognized in audit situations by two blue rings at one end
- Better protection of illuminated products from discoloring and loss of taste by about 90 % lower UV-A emission
- Makes luminaires compliant with relevant standards in the industry, such as HACCP, ISO 22000 and IEC 61549: Fragment Retention Lamp Standard

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
- Without having a red appearance themselves, the lamps emphasize deep red colors such as those of meat
- 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
- Fully recyclable, including the protective lamp coating

MASTER TL-D Food Secura

Application

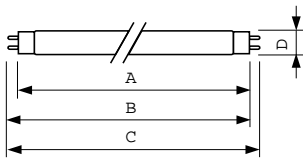
- Food illumination: spectral distribution optimally tuned to provide a good appearance of food in butcher's shops

Versions



G13, T8

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Food Secura 58W/79 SLV/25	28 mm	1500 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Food Secura 36W/79 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

MASTER TL-D Food Secura

Approval and Application

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	5.0 mg

Controls and Dimming

Dimmable	Yes
----------	-----

General Information

Cap-Base	G13
Life To 50% Failures Preheat (Nom)	20000 h
Life To 50% Failures (Nom)	15000 h

Light Technical

Color Code	79
Color Designation	Food
Correlated Color Temperature (Nom)	3800 K
Color Rendering Index (Nom)	74
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	82 %
Luminous Efficacy (rated) (Nom)	47 lm/W

Mechanical and Housing

Bulb Shape	T8
------------	----

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928048707985	MASTER TL-D Food Secura 36W/79 SLV/25	44 kWh
928049207985	MASTER TL-D Food Secura 58W/79 SLV/25	69 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928048707985	MASTER TL-D Food Secura 36W/79 SLV/25	0.440 A	103 V	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928049207985	MASTER TL-D Food Secura 58W/79 SLV/25	0.670 A	111 V	58.5 W

Light Technical

Order Code	Full Product Name	Luminous Flux (Nom)
928048707985	MASTER TL-D Food Secura 36W/79 SLV/25	1700 lm

Order Code	Full Product Name	Luminous Flux (Nom)
928049207985	MASTER TL-D Food Secura 58W/79 SLV/25	2725 lm

