



Direct your light downwards

MASTER TL-D Reflex

The MASTER TL-D Reflex lamp directs most of the light to where you need it, thanks to an internal reflector. This results in having the same lighting level while using only half the number of lamps in the luminaire. It is therefore extremely suitable for use in luminaires with only a simple reflector or without any.

Benefits

- Internal reflector directs the light where it is needed
- Energy savings of 30-50% in non-reflector luminaires without loss of light
- Internal reflector is not affected by dust accumulation (in contrast to normal TL-D lamps)
- Relatively high efficacy, both initially and during lifetime, with high lumen maintenance

Features

- Internal reflector directs the light via a 160° 'window'
- Reflector directs 85% of the light downwards avoiding wasted light
- Direct retrofit for existing fluorescent fittings operating on conventional or HF gear
- High-quality lighting with good color rendering (CRI >80)
- Light output comparable to other TL-D Super 80 colors
- Lumen maintenance and lifetime the same as other TL-D Super 80 colors
- Dimmable

Application

- Luminaires without reflectors or with only simple reflectors, mainly found in industry and shops / supermarkets

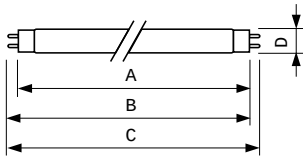
MASTER TL-D Reflex

Versions



G13, T8

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MST TL-D Reflex 58W/840 1 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MST TL-D Reflex 36W/840 1 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MST TL-D Reflex 58W/865 1 SLV/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MST TL-D Reflex 18W/840 1 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MST TL-D Reflex 36W/865 1 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

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Approval and Application	
Energy Efficiency Label (EEL)	A
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 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 2000 h Rated	99 %
LSF 20000 h Rated	2 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
Light Technical	
Beam Description	160° Window
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 Finish	Reflector
Bulb Shape	T8
Temperature	
Design Temperature (Nom)	25 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928048184079	MST TL-D Reflex 18W/840 1 SLV/25	22 kWh
928048408479	MST TL-D Reflex 36W/840 1 SLV/25	42 kWh
928048486579	MST TL-D Reflex 36W/865 1 SLV/25	42 kWh
928048908479	MST TL-D Reflex 58W/840 1 SLV/25	68 kWh
928048986579	MST TL-D Reflex 58W/865 1 SLV/25	68 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928048184079	MST TL-D Reflex 18W/840 1 SLV/25	0.360 A	18.0 W
928048408479	MST TL-D Reflex 36W/840 1 SLV/25	0.440 A	36.0 W
928048486579	MST TL-D Reflex 36W/865 1 SLV/25	0.440 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928048908479	MST TL-D Reflex 58W/840 1 SLV/25	0.670 A	58.5 W
928048986579	MST TL-D Reflex 58W/865 1 SLV/25	0.670 A	58.5 W

Light Technical (1/2)

MASTER TL-D Reflex

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
928048184079	MST TL-D Reflex 18W/840 1 SLV/25	840	Cool White (CW)	4000 K	75.0 lm/W
928048408479	MST TL-D Reflex 36W/840 1 SLV/25	840	Cool White (CW)	4000 K	93.1 lm/W
928048486579	MST TL-D Reflex 36W/865 1 SLV/25	865	Cool Daylight	6500 K	90.3 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
928048908479	MST TL-D Reflex 58W/840 1 SLV/25	840	Cool White (CW)	4000 K	89.6 lm/W
928048986579	MST TL-D Reflex 58W/865 1 SLV/25	865	Cool Daylight	6500 K	85.5 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
928048184079	MST TL-D Reflex 18W/840 1 SLV/25	1350 lm	1350 lm
928048408479	MST TL-D Reflex 36W/840 1 SLV/25	3350 lm	3350 lm
928048486579	MST TL-D Reflex 36W/865 1 SLV/25	3250 lm	3250 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
928048908479	MST TL-D Reflex 58W/840 1 SLV/25	5240 lm	5240 lm
928048986579	MST TL-D Reflex 58W/865 1 SLV/25	5000 lm	5000 lm

