



Product Description

MASTER TL-D Reflex

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

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 colour rendering (CRI>80)
- Light output comparable to other TL-D Super 80 colours
- Lumen maintenance and lifetime the same as other TL-D Super 80 colours
- Dimmable

Application

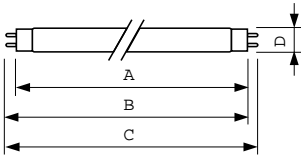
- Luminaires without reflectors or with only simple reflectors, mainly found in industry and shops / supermarkets

MASTER TL-D Reflex

Versions



Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
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

MASTER TL-D Reflex

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	FA160
Colour 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
55953140	MASTER TL-D Reflex 36W/840 1SL/25	42 kWh
26033840	MASTER TL-D Reflex 58W/865 1SL/25	68 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
55953140	MASTER TL-D Reflex 36W/840 1SL/25	0.440 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
26033840	MASTER TL-D Reflex 58W/865 1SL/25	0.670 A	58.5 W

Light Technical (1/2)

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Luminous Efficacy (rated) (Nom)
55953140	MASTER TL-D Reflex 36W/840 1SL/25	840	Cool White (CW)	4000 K	93.1 lm/W

MASTER TL-D Reflex

Order Code	Full Product Name	Colour		Correlated	Luminous
		Code	Designation	Colour Temperature (Nom)	
26033840	MASTER TL-D Reflex 58W/865	865	Cool Daylight	6500 K	85.5 lm/W
	1SL/25				

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
55953140	MASTER TL-D Reflex 36W/840	3350 lm	3350 lm
	1SL/25		

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
26033840	MASTER TL-D Reflex 58W/865	5000 lm	5000 lm
	1SL/25		

