



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

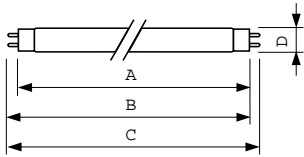
- Luminaires without reflectors or with only simple reflectors, mainly found in industry and shops / supermarkets

MASTER TL-D Reflex

Versions



Dimensional drawing



Product	D	A	B	B	C
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 36W/865 1 SLV/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 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 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

Controls and Dimming

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

General Information

Bulb Shape	T8
Cap-Base	G13
Life To 50% Failures Preheat (Nom)	20000
Life To 10% Failures (Nom)	12000
Life To 50% Failures (Nom)	15000
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)	85
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
-------------	-----------

Temperature

Design Temperature (Nom)	25
--------------------------	----

Approval and Application

order code	Energy Consumption kWh/1000 h
928048184079	22
928048408479	42
928048486579	42
928048908479	68
928048986579	68

Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
928048184079	0.360	18.0
928048408479	0.440	36.0
928048486579	0.440	36.0

order code	Lamp Current (Nom)	Power (Rated) (Nom)
928048908479	0.670	58.5
928048986579	0.670	58.5

Light Technical (1/2)

order code	Chromaticity		Color		Correlated
	Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation	Temperature (Nom)
928048184079	378	373	840	Cool White (CW)	4100
928048408479	377	372	840	Cool White (CW)	4100

order code	Chromaticity		Color		Correlated
	Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation	Temperature (Nom)
928048486579	308	324	865	Cool Daylight	6500

MASTER TL-D Reflex

order code	Chromaticity	Chromaticity	Color Code	Color Designation	Correlated
	Coordinate X (Nom)	Coordinate Y (Nom)			Color Temperature (Nom)
928048908479	376	374	840	Cool White (CW)	4100

order code	Chromaticity	Chromaticity	Color Code	Color Designation	Correlated
	Coordinate X (Nom)	Coordinate Y (Nom)			Color Temperature (Nom)
928048986579	312	330	865	Cool Daylight	6500

Light Technical (2/2)

order code	Luminous Efficacy (rated)	Luminous Flux (Rated)	
	(Nom)	Luminous Flux (Nom)	(Nom)
928048184079	75.0	1350	1350
928048408479	93.1	3350	3350
928048486579	90.3	3250	3250

order code	Luminous Efficacy (rated)	Luminous Flux (Rated)	
	(Nom)	Luminous Flux (Nom)	(Nom)
928048908479	89.6	5240	5240
928048986579	85.5	5000	5000

