



Small size fluorescent lamp with improved light quality

MASTER TL Mini Super 80

This TL Miniature lamp (tube diameter 16 mm) is a lamp with small dimensions, which enables system miniaturization and offers the possibility of operation on low-voltage DC supply. It is ideal for applications where better color rendering and efficacy (than standard colors) are required and where space is limited, e.g. halls, staircase lighting in apartment buildings, built into furniture, mirror and cupboard lighting, signage and emergency lighting.

Benefits

- Good color rendering
- High efficacy, both initially and during lamp lifetime, with high lumen maintenance compared with standard lamps
- Small lamp dimensions enables system miniaturization

Features

- Small diameter tubes
- Highly efficient 3-band fluorescent coating
- Possibility for operation on low-voltage DC supply

Application

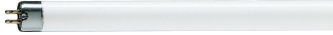
- Ideal for applications where space is limited and requiring better color rendering and efficacy than standard colors, i.e.: hall and staircase lighting in apartment buildings, built into furniture, mirror and cupboard lighting, emergency lighting

Warnings and Safety

- 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.

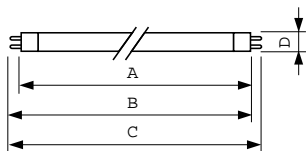
MASTER TL Mini Super 80

Versions



G5

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL Mini Super 80 8W/830 FAM/10X25BOX	16 mm	288.3 mm	295.4 mm	293.0 mm	302.5 mm
MASTER TL Mini Super 80 8W/827 FAM/10X25BOX	16 mm	288.3 mm	295.4 mm	293.0 mm	302.5 mm
MASTER TL Mini Super 80 13W/830 FAM/10X25BOX	16 mm	516.9 mm	524.0 mm	521.6 mm	531.1 mm
MASTER TL Mini Super 80 8W/840 FAM/10X25BOX	16 mm	288.3 mm	295.4 mm	293.0 mm	302.5 mm
MASTER TL Mini Super 80 13W/840 FAM/10X25BOX	16 mm	516.9 mm	524.0 mm	521.6 mm	531.1 mm

Approval and Application

Mercury (Hg) Content (Max)	2.5 mg
Mercury (Hg) Content (Nom)	3.0 mg

Controls and Dimming

Dimmable	Yes
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General Information

Cap-Base	G5
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Light Technical

Colour Rendering Index (Nom)	82
Lumen Maintenance 10000 h (Nom)	71 %
Lumen Maintenance 5000 h (Nom)	77 %

Mechanical and Housing

Bulb Shape	T5
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
70474027	MASTER TL Mini Super 80 8W/827 1FM/10X25CC	8 kWh
71638527	MASTER TL Mini Super 80 8W/830 1FM/10X25CC	8 kWh
71642227	MASTER TL Mini Super 80 8W/840 1FM/10X25CC	8 kWh
71681127	MASTER TL Mini Super 80 13W/830 1FM/10X25CC	14 kWh
71685927	MASTER TL Mini Super 80 13W/840 1FM/10X25CC	14 kWh

Operating and Electrical

MASTER TL Mini Super 80

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power (Nom)
70474027	MASTER TL Mini Super 80 8W/827 1FM/10X25CC	0.145 A	56 V	7.1 W
71638527	MASTER TL Mini Super 80 8W/830 1FM/10X25CC	0.145 A	56 V	7.1 W
71642227	MASTER TL Mini Super 80 8W/840 1FM/10X25CC	0.145 A	56 V	7.1 W

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power (Nom)
71681127	MASTER TL Mini Super 80 13W/830 1FM/10X25CC	0.170 A	90 V	13.1 W
71685927	MASTER TL Mini Super 80 13W/840 1FM/10X25CC	0.170 A	90 V	13.1 W

General Information

Order Code	Full Product Name	Life To 50%		
		Failures Preheat (Nom)	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)
70474027	MASTER TL Mini Super 80 8W/827 1FM/10X25CC	10000 h	5000 h	10000 h
71638527	MASTER TL Mini Super 80 8W/830 1FM/10X25CC	10000 h	5000 h	10000 h
71642227	MASTER TL Mini Super 80 8W/840 1FM/10X25CC	10000 h	5000 h	10000 h

Order Code	Full Product Name	Life To 50%		
		Failures Preheat (Nom)	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)
71681127	MASTER TL Mini Super 80 13W/830 1FM/10X25CC	8000 h	4000 h	8000 h
71685927	MASTER TL Mini Super 80 13W/840 1FM/10X25CC	8000 h	4000 h	8000 h

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
70474027	MASTER TL Mini Super 80 8W/827 1FM/10X25CC	0.463	0.42	827	Incandescent White
71638527	MASTER TL Mini Super 80 8W/830 1FM/10X25CC	0.44	0.403	830	Warm White (WW)
71642227	MASTER TL Mini Super 80	0.38	0.38	841	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
	8W/840 1FM/10X25CC				
71681127	MASTER TL Mini Super 80 13W/830 1FM/10X25CC	0.44	0.403	830	Warm White (WW)
71685927	MASTER TL Mini Super 80 13W/840 1FM/10X25CC	0.38	0.38	841	Cool White (CW)

Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour		Luminous Efficacy	
		Temperature (Nom)	Lumen Maintenance 2000 h (Nom)	(rated) (Nom)	Luminous Flux (Nom)
70474027	MASTER TL Mini Super 80 8W/827 1FM/10X25CC	2700 K	85 %	59 lm/W	450 lm
71638527	MASTER TL Mini Super 80	3000 K	85 %	59 lm/W	450 lm

Order Code	Full Product Name	Correlated Colour		Luminous Efficacy	
		Temperature (Nom)	Lumen Maintenance 2000 h (Nom)	(rated) (Nom)	Luminous Flux (Nom)
	8W/830 1FM/10X25CC				
71642227	MASTER TL Mini Super 80 8W/840 1FM/10X25CC	4000 K	85 %	59 lm/W	450 lm

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Order Code	Full Product Name	Correlated Colour		Luminous	
		Temperature (Nom)	Lumen Maintenance 2000 h (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)
71681127	MASTER TL Mini Super 80 13W/830 1FM/10X25CC	3000 K	90 %	77 lm/W	1000 lm
71685927	MASTER TL Mini Super 80	4000 K	90 %	77 lm/W	1000 lm

Order Code	Full Product Name	Correlated Colour		Luminous	
		Temperature (Nom)	Lumen Maintenance 2000 h (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)
	13W/840 1FM/10X25CC				

