



# MASTER TL Mini Super 80

MASTER TL Mini Super 80 13W/840 1FM

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.

## Product data

### • General Characteristics

Cap-Base	G5
Bulb	T5 [16 mm]
Life to 10% failures EM	4000 hr
Life to 10% fail Preheat EL,3h	4000 hr
Life to 10% fail Nonpreh EL,3h	3000 hr
Life to 50% failures EM	8000 hr
Life to 50% fail Preheat EL,3h	8000 hr
Life to 50% fail Nonpreh EL,3h	6000 hr

### • Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux Lamp EM	1000 Lm
Luminous Efficacy Lamp EM	77 Lm/W
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	77 %
Lumen Maintenance 10000h	71 %
Luminance Average EM	1.20 cd/cm <sup>2</sup>

Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	379 -

### • Electrical Characteristics

Lamp Wattage	13 W
Lamp Wattage EM	13.0 W
Lamp Voltage	90 V
Lamp Current EM	0.170 A
Dimmable	Yes

### • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	3.0 mg
Energy consumption kWh/1000h	14 kWh

### • Product Dimensions

Base Face to Base Face A	516.9 (max) mm
Insertion Length B	521.6 (min), 524.0 (max) mm
Overall Length C	531.1 (max) mm
Diameter D	16 (max) mm

### • Product Data

Order code	928001508450
Full product code	928001508450
Full product name	MASTER TL Mini Super 80 13W/840 1FM

**PHILIPS**

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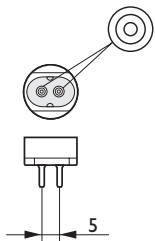
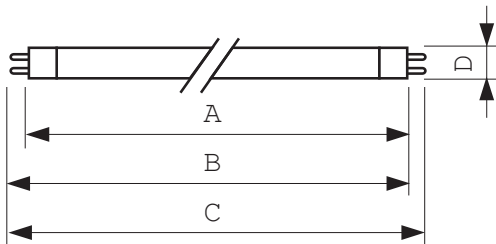
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10X25CC  
Pieces per pack 1  
Packing configuration 10X25CC  
Packs per outerbox 250  
Bar code on pack -  
EAN1 8711500716859  
Bar code on inter-  
mediate packing -  
EAN2 8711500716866

Bar code on  
outerbox - EAN3 8711500716873  
Logistic code(s) -  
12NC 928001508450  
ILCOS code FD-13/40/1B-E-G5  
Net weight per piece 40.200 gr

## Dimensional drawing

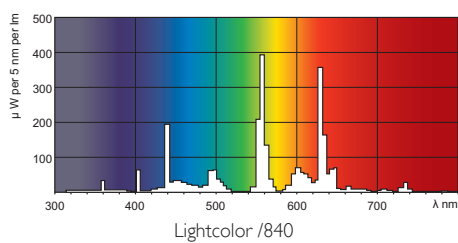
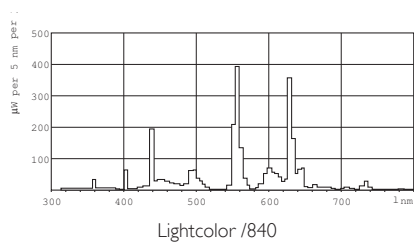
### MASTER TL Mini Super 80 13W/840 1FM

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL 13W/840	516.9	521.6	524.0	531.1	16



G5

## Photometric data





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[www.philips.com/lighting](http://www.philips.com/lighting)

2014, December 20  
data subject to change