



MASTER TL-D Super 80

MASTER TL-D Super 80 16W/840 1SL

The MASTER TL-D Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp can be operated in existing TL-D luminaires.

Product data

• General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Bulb	T8 [26 mm]
Life to 10% failures EM	12000 hr
Life to 10% fail Preheat EL,3h	17000 hr
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 50% failures EM	15000 hr
Life to 50% fail Preheat EL,3h	20000 hr
Life to 50% fail Nonpreh EL,3h	12000 hr
LSF EM 2000h Rated, 3h cycle	99 %
LSF EM 4000h Rated, 3h cycle	99 %
LSF EM 6000h Rated, 3h cycle	99 %
LSF EM 8000h Rated, 3h cycle	99 %
LSF EM 12000h Rated,3h cycle	89 %
LSF EM 16000h Rated,3h cycle	33 %
LSF EM 20000h Rated,3h cycle	2 %

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	82 Ra8
Color Designation (text)	Cool White

Color Temperature	4000 K
Luminous Flux EM 25°C, Rated	1200 Lm
Luminous Flux EM 25°C, Nominal	1200 Lm
Lum Efficacy Rated EM 25°C	75 Lm/W
Luminance Average EM	0.75 cd/cm ²
LLMF EM 2000h Rated	96 %
LLMF EM 4000h Rated	95 %
LLMF EM 6000h Rated	94 %
LLMF EM 8000h Rated	93 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	91 %
LLMF EM 20000h Rated	90 %
Design Temperature	25 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

• Electrical Characteristics

Lamp Wattage	16 W
Lamp Wattage EM 25°C, Nominal	16 W
Lamp Wattage EM 25°C, Rated	16.0 W



MASTER TL-D Super 80

Lamp Voltage EM 25°C	95 V
Lamp Current EM 25°C	0.200 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	2.0 mg
Energy consumption kWh/1000h	20 kWh

• Product Dimensions

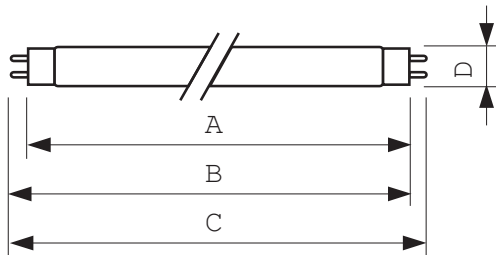
Base Face to Base Face A	720.0 (max) mm
Insertion Length B	724.7 (min), 727.1 (max) mm
Overall Length C	734.2 (max) mm

Diameter D 28 (max) mm

• Product Data

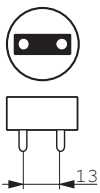
Order code	928024984023
Full product code	928024984023
Full product name	MASTER TL-D Super 80 16W/840 1SL
Order product name	MASTER TL-D Super 80 16W/840 1SL/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8727900917338
Bar code on outerbox - EAN3	8727900917345
Logistic code(s) - 12NC	928024984023
ILCOS code	FD-16/40/1B-E-G13
Net weight per piece	83.700 gr

Dimensional drawing



MASTER TL-D Super 80 16W/840 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D 16W/840	720.0	724.7	727.1	734.2	28



G13

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, April 10
data subject to change