



# MASTER TL-D HF Super 80

MASTER TL-D HF Super 80 16W/830 1SL

The MASTER TL-D HF 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 is designed to be operated on special high-frequency electronic ballasts. It is not for general use.

## Product data

### • General Characteristics

System Description	High Frequency [High Frequency]
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Bulb	T8 [26 mm]
Life to 10% fail	17000 hr
Preheat EL,3h	
Life to 10% fail	10000 hr
Nonpreh EL,3h	
Life to 50% fail	20000 hr
Preheat EL,3h	
Life to 50% fail	12000 hr
Nonpreh EL,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	95 %
16000h Rated,3h	
LSF HF Preheat	50 %
20000h Rated,3h	

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux EL	1400 Lm
25°C, Rated	

Luminous Flux EL	1400 Lm
25°C, Nominal	
Lum Efficacy Rated	87.5 Lm/W
HF 25°C	
Luminance Average	1.04 cd/cm <sup>2</sup>
EL	
LLMF HF 2000h	96 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 20000h	90 %
Rated	
Design Temperature	25 C
Chromaticity Coordinate X	442 -
Chromaticity Coordinate Y	405 -

### • Electrical Characteristics

Lamp Wattage	16 W
Lamp Wattage EL	16.0 W
25°C, Rated	
Lamp Wattage EL	16 W
25°C, Nominal	
Lamp Voltage EL	64 V
25°C	
Lamp Current EL	0.255 A
25°C	



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# MASTER TL-D HF Super 80

Dimmable Yes

Overall Length C 604 (max) mm  
Diameter D 28 (max) mm

## • Environmental Characteristics

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

## • Product Data

Order code 927924083023  
Full product code 927924083023  
Full product name MASTER TL-D HF Super 80 16W/830 1SL  
Order product name MASTER TL-D HF Super 80 16W/830 1SL/25  
Pieces per pack 1  
Packing configuration 25  
Packs per outerbox 25  
Bar code on pack - EAN1 8711500631442  
Bar code on outerbox - EAN3 8711500631459  
Logistic code(s) - 12NC 927924083023  
ILCOS code FDH-16/30/1B-L/P-G13-26/600  
Net weight per piece 78.400 gr

## • Measuring Conditions

Calibration Current 0.255 A  
HF Generator Rated Voltage 128 V  
Resistor 250 ohm

## • Product Dimensions

Base Face to Base 589.8 (max) mm  
Face A  
Insertion Length B 594.5 (min), 596.9 (max) mm

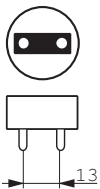
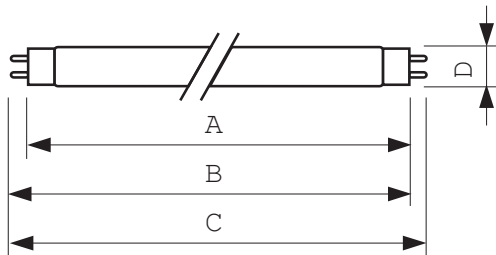
## Warnings and Safety

- Special electronic gear must be used

## Dimensional drawing

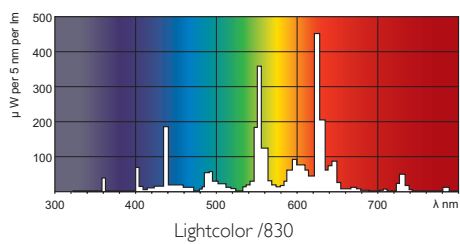
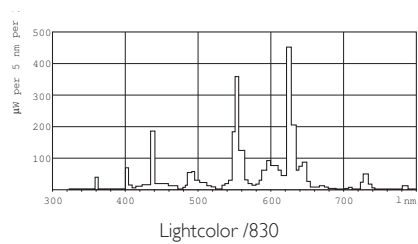
### MASTER TL-D HF Super 80 16W/830 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D HF 16W/830	589.8	594.5	596.9	604	28



G13

## Photometric data



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2015, February 23  
data subject to change