



# MASTER TL-D HF Super 80

## MASTER TL-D HF Super 80 50W/840 SLV/25

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 Information	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
Life to 50% Failures Preheat (Nom)	20000 h
System Description	High Frequency
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	95 %
LSF Preheat 20000 h Rated	50 %
Light Technical	
Color Code	840 [ CCT of 4000K]
Luminous Flux (Nom)	5000 lm
Luminous Flux (Rated) (Nom)	5000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Rendering Index (Nom)	>80
LLMF 2000 h Rated	96 %

LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %
Operating and Electrical	
Power (Nom)	50.0 W
Lamp Current (Nom)	0.355 A
Temperature	
Design Temperature (Nom)	25 °C
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	2.0 mg

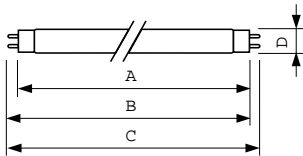
# MASTER TL-D HF Super 80

Energy Consumption kWh/1000 h	58 kWh
<b>Product Data</b>	
Full product code	871150063159640
Order product name	MASTER TL-D HF Super 80 50W/840 SLV/25
EAN/UPC - Product	8711500631596
Order code	927925084014

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927925084014
Net Weight (Piece)	167.000 g
ILCOS Code	FDH-50/40/1B-L/P-G13-26/1500

## Warnings and Safety

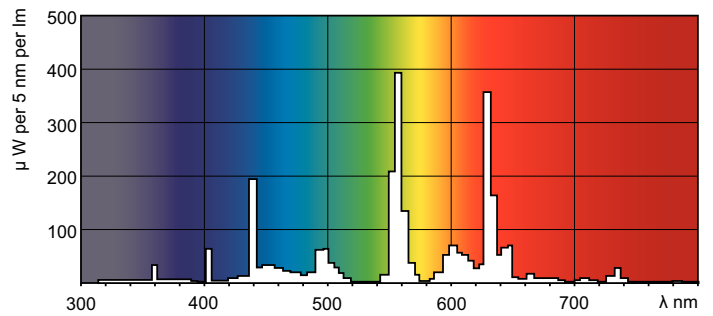
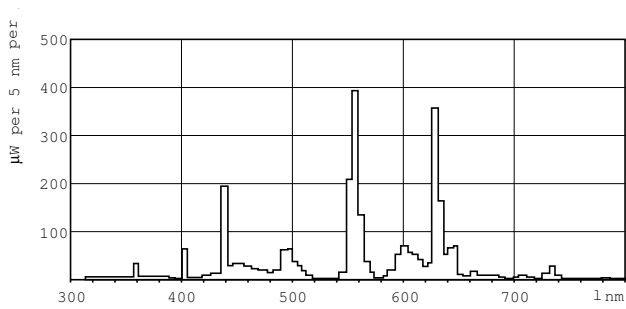
## Dimensional drawing



<b>Product</b>
MASTER TL-D HF Super 80 50W/840 SLV/25

## TL-D HF 50W/840

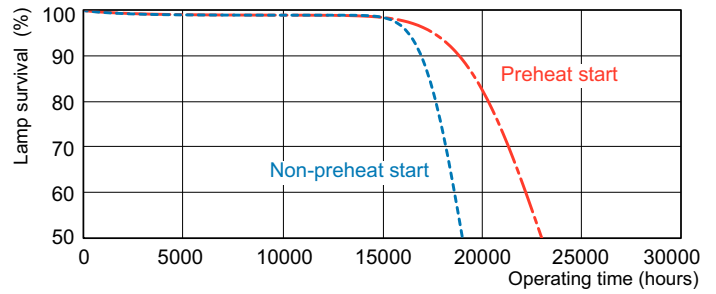
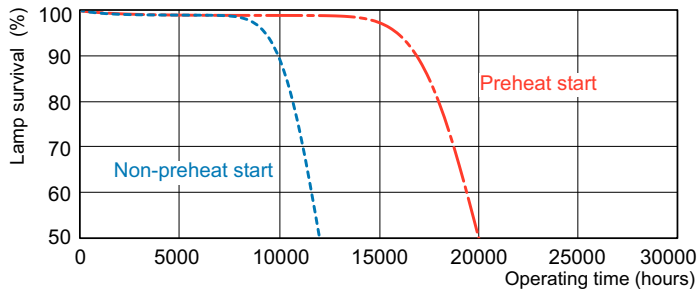
## Photometric data



## LDPB\_TL-D8HF\_840-Spectral power distribution B/W

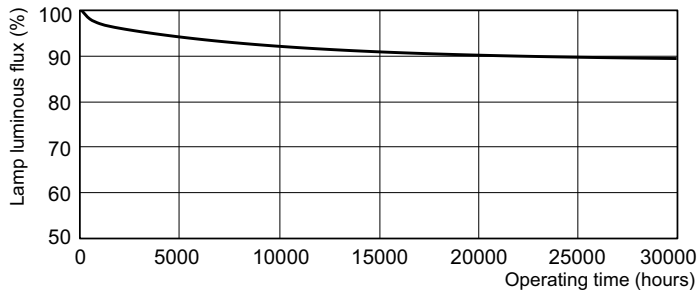
# MASTER TL-D HF Super 80

## Lifetime



LDLE\_TL-D8HF\_0001-Life expectancy diagram

LDLE\_TL-D8HF\_0002-Life expectancy diagram



LDLM\_TL-D8HF\_0001-Lumen maintenance diagram

