



# MASTER TL-D Eco

MASTER TL-D Eco 51W/830 1SL

The MASTER TL-D Eco lamp offers the same light output as a MASTER TL-D Super 80 lamp, while using less energy, thanks to the use of specific phosphors and a special gas filling. Application areas are schools, offices, governmental buildings and healthcare environments.

## 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	830 [CCT of 3000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Warm White

Color Temperature	3000 K
Luminous Flux EM 25°C, Rated	4550 Lm
Luminous Flux EM 25°C, Nominal	4550 Lm
Luminous Flux Lamp EM 30°C	4800 Lm
Lum Efficacy Rated EM 25°C	89 Lm/W
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	30 C
Chromaticity Coordinate X	439 -
Chromaticity Coordinate Y	409 -

### • Electrical Characteristics

Lamp Wattage	51 W
Lamp Wattage EM 25°C, Nominal	51 W
Lamp Wattage EM 25°C, Rated	51.4 W



[asimpleswitch.com](http://asimpleswitch.com)

# PHILIPS

# MASTER TL-D Eco

Lamp Voltage EM 95 V  
 25°C  
 Lamp Current EM 0.700 A  
 25°C  
 Dimmable Yes

### • Environmental Characteristics

Energy Efficiency A  
 Label (EEL)  
 Mercury (Hg) 2.0 mg  
 Content  
 Energy consumption 60 kWh  
 kWh/1000h

### • Product Dimensions

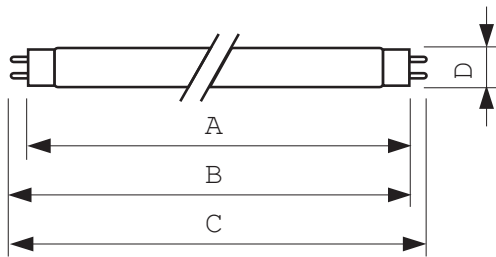
Base Face to Base 1500.0 (max) mm  
 Face A  
 Insertion Length B 1504.7 (min), 1507.1 (max) mm

Overall Length C 1514.2 (max) mm  
 Diameter D 28 (max) mm

### • Product Data

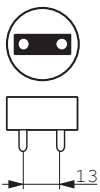
Order code 927922183023  
 Full product code 927922183023  
 Full product name MASTER TL-D Eco 51W/830 1SL  
 Order product name MASTER TL-D Eco 51W/830 1SL/25  
 Pieces per pack 1  
 Packing configuration 25  
 Packs per outerbox 25  
 Bar code on pack - EAN1 8711500264664  
 Bar code on outerbox - EAN3 8711500264671  
 Logistic code(s) - 12NC 927922183023  
 ILCOS code FD-51/30/1B-E-G13-26/1500  
 Net weight per piece 172.600 gr

## Dimensional drawing



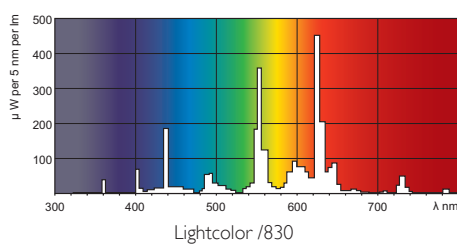
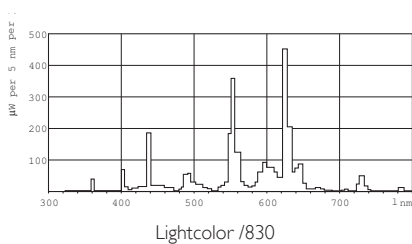
### MASTER TL-D Eco 51W/830 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D Eco 51W/830	1500.0	1504.7	1507.1	1514.2	28



G13

## Photometric data





© 2013 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](http://www.philips.com/lighting)

2013, October 9  
data subject to change