



# MASTER TL-D Eco

MASTER TL-D Eco 16W/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	1175 Lm
Luminous Flux EM 25°C, Nominal	1175 Lm
Luminous Flux Lamp EM 30°C	1300 Lm
Lum Efficacy Rated EM 25°C	75 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	438 -
Chromaticity Coordinate Y	404 -

### • Electrical Characteristics

Lamp Wattage	16 W
Lamp Wattage EM 25°C, Nominal	16 W
Lamp Wattage EM 25°C, Rated	15.7 W



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# MASTER TL-D Eco

Lamp Voltage EM 25°C	51 V
Lamp Current EM 25°C	0.380 A
Dimmable	Yes

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	2.0 mg
Energy consumption kWh/1000h	19 kWh

## • Product Dimensions

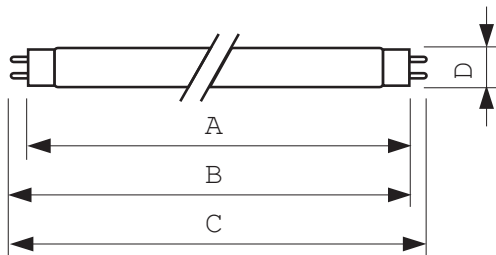
Base Face to Base Face A	589.8 (max) mm
Insertion Length B	594.5 (min), 596.9 (max) mm

Overall Length C	604.0 (max) mm
Diameter D	28 (max) mm

## • Product Data

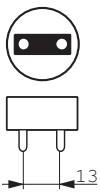
Order code	927922883015
Full product code	927922883015
Full product name	MASTER TL-D Eco 16W/830 1SL
Order product name	MASTER TL-D Eco 16W/830 1SL/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500268570
Bar code on outerbox - EAN3	8711500268587
Logistic code(s) - 12NC	927922883015
ILCOS code	FD-16/30/1B-E-G13-26/604
Net weight per piece	68.900 gr

## Dimensional drawing



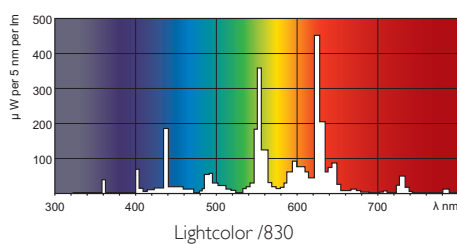
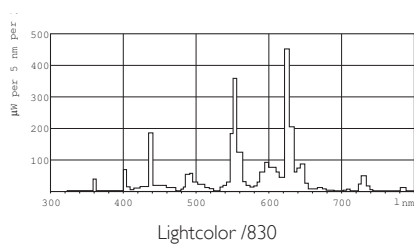
## MASTER TL-D Eco 16W/830 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D Eco 16W/830	589.8	594.5	596.9	604.0	28



G13

## Photometric data





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2014, April 10  
data subject to change