



MASTER TL-D Eco

MASTER TL-D Eco 51W/840 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	17000 hr
Preheat EL,3h	
Life to 10% fail	10000 hr
Nonpreh EL,3h	
Life to 50% failures EM	15000 hr
Life to 50% fail	20000 hr
Preheat EL,3h	
Life to 50% fail	12000 hr
Nonpreh EL,3h	
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	85 Ra8
Color Designation (text)	Cool White

Color Temperature	4000 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	382 -
Chromaticity Coordinate Y	385 -

• Electrical Characteristics

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

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

• Environmental Characteristics

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

• Product Dimensions

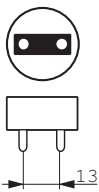
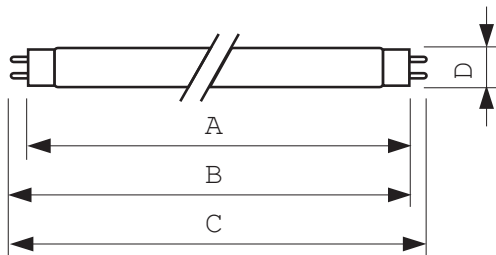
Base Face to Base Face A	1500.0 (max) mm
Insertion Length B	1504.7 (min), 1507.1 (max) mm

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

• Product Data

Order code	927922184023
Full product code	927922184023
Full product name	MASTER TL-D Eco 51W/840 1SL
Order product name	MASTER TL-D Eco 51W/840 1SL/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500264701
Bar code on outerbox - EAN3	8711500264718
Logistic code(s) - 12NC	927922184023
ILCOS code	FD-51/40/1B-E-G13-26/1200
Net weight per piece	172.600 gr

Dimensional drawing

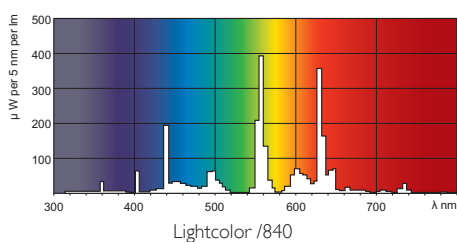
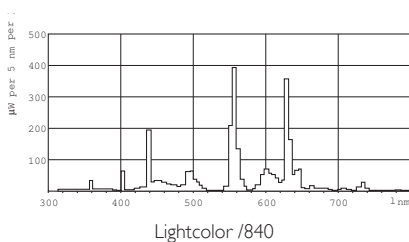


G13

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D Eco 51W/840	1500.0	1504.7	1507.1	1514.2	28

Photometric data





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data subject to change