



MASTER TL5 Circular

MASTER TL5 Circular 60W/830 1CT

16 mm tube diameter circular fluorescent lamps with a choice of various diameters

Product data

• Product Data

Order code	927966083013
Full product name	MASTER TL5 Circular 60W/830 1CT
Order product name	MASTER TL5 Circular 60W/830 1CT/10
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500642592
Bar code on outerbox - EAN3	8711500642608
Logistic code(s) - 12NC	927966083013
ILCOS code	FSCH-60/30/1B-L/P-2GX13-16
Net weight per piece	206.500 gr

• General Characteristics

Cap-Base	2GX13
Bulb	C-T5 [C-T 16 mm]
Life to 50% fail	12000 hr
Preheat EL,3h	
Life to 10% fail	8000 hr
Preheat EL,3h	
LSF HF Preheat	50 %
12000h Rated,3h	
LSF HF Preheat	90 %
8000h Rated,3h	
LSF HF Preheat	94 %
6000h Rated,3h	
LSF HF Preheat	97 %
4000h Rated,3h	
LSF HF Preheat	98 %
2000h Rated,3h	

• Electrical Characteristics

Lamp Wattage	60 W
Lamp Voltage EL	129 V
25°C	
Lamp Current EL	0.470 A
25°C	
Dimmable	yes
Lamp Wattage EL	60.0 W
25°C, Rated	
Lamp Wattage EL	60 W
25°C, Nominal	

• Environmental Characteristics

Energy Efficiency	B
Label (EEL)	
Mercury (Hg)	7.0 mg
Content	

• Light Technical Characteristics

Colour Code	830 [CCT of 3000K]
Colour Rendering	85 Ra8
Index	
Colour Designation	Warm white
Colour Temperature	3000 K
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -
Lum Efficacy Rated	83 Lm/W
HF 25°C	
LLMF HF 12000h	71 %
Rated	
LLMF HF 8000h	75 %
Rated	

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MASTER TL5 Circular

LLMF HF 6000h	79 %
Rated	
LLMF HF 4000h	82 %
Rated	
LLMF HF 2000h	85 %
Rated	
Luminous Flux EL	5000 Lm
25°C, Rated	
Luminous Flux EL	5000 Lm
25°C, Nominal	
Design Temperature	35 C

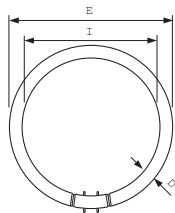
• Product Dimensions

Diameter D	14 (min), 18 (max) mm
Overall Width E	367 (min), 379 (max) mm
Inner Width I	334 (min), 346 (max) mm

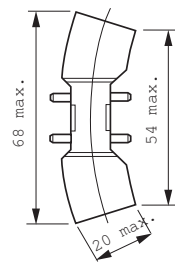
• Measuring Conditions

Calibration Current	0.470 A
HF Generator Rated	258 V
Voltage	
Resistor	275 ohm

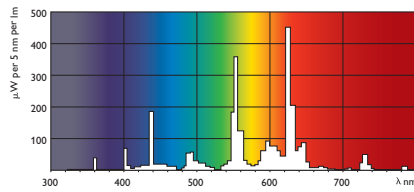
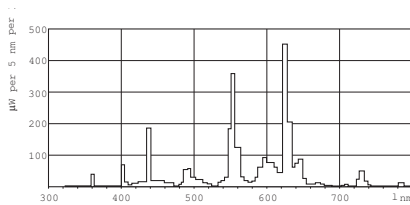
Dimensional drawing



Product	D (Min)	D (Max)	E (Min)	E (Max)	I (Min)	I (Max)
TL5-C 60W/830	14	18	367	379	334	346



Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
 - b) Nominal and rated lamp luminous flux;
 - c) Rated lamp efficacy at 100 h in standard conditions (25 °C, for T5 lamps at 35 °C). For fluorescent lamps both at 50 Hz (mains frequency) operation (where applicable) and at High Frequency (> 50 Hz) operation (where applicable) for the same rated luminous flux in all cases, indicating for High Frequency operation the calibration current of the test conditions and/or the rated voltage of the HF generator with the resistance. It shall be stated in a conspicuous manner that the power dissipated by auxiliary equipment such as ballasts is not included in the power consumed by the source;
 - d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
 - e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
 - f) Lamp mercury content as X.X mg;
 - g) Colour Rendering Index (Ra) of the lamp;
 - h) Colour temperature of the lamp;
 - i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;
 - j) For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts as defined in Table 17 with which the lamp can operate.
- See Table 17-EuP245.pdf for Table 17 – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps.
For more information see: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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data subject to change