

# MASTER TL5 Circular

MASTER TL5 Circular 40W/830 1CT

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



## Product data

### • Product Data

Order code	927965583013
Full product name	MASTER TL5 Circular 40W/830 1CT
Order product name	MASTER TL5 Circular 40W/830 1CT/10
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500640970
Bar code on outerbox - EAN3	8711500640987
Logistic code(s) - 12NC	927965583013
ILCOS code	FSCH-40/30/1B-L/P-2GX13-16
Net weight per piece	75.000 gr

### • General Characteristics

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

### • Electrical Characteristics

Lamp Wattage	40 W
Lamp Voltage EL 25°C	126 V
Lamp Current EL 25°C	0.320 A
Dimmable	yes
Lamp Wattage EL 25°C, Rated	39.9 W
Lamp Wattage EL 25°C, Nominal	40 W

### • Environmental Characteristics

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

### • Light Technical Characteristics

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

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LLMF HF 6000h Rated	79 %
LLMF HF 4000h Rated	82 %
LLMF HF 2000h Rated	85 %
Luminous Flux EL 25°C, Rated	3300 Lm
Luminous Flux EL 25°C, Nominal	3300 Lm
Design Temperature	35 C

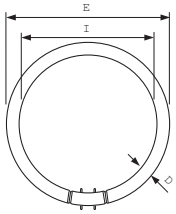
## • Product Dimensions

Diameter D	14 (min), 18 (max) mm
Overall Width E	293 (min), 305 (max) mm
Inner Width I	260 (min), 272 (max) mm

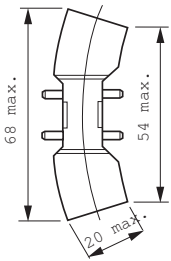
## • Measuring Conditions

Calibration Current	0.320 A
HF Generator Rated	254 V
Voltage Resistor	400 ohm

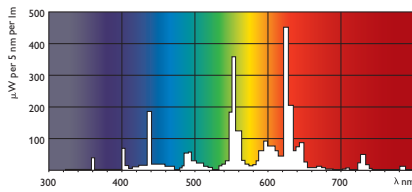
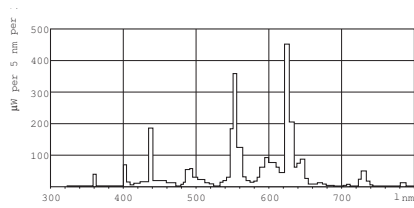
## Dimensional drawing



Product	D (Min)	D (Max)	E (Min)	E (Max)	I (Min)	I (Max)
TL5-C 40W/830	14	18	293	305	260	272



## 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

- Nominal and rated lamp wattage;
- Nominal and rated lamp luminous flux;
- 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;
- 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;
- 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;
- Lamp mercury content as X.X mg;
- Colour Rendering Index (Ra) of the lamp;
- Colour temperature of the lamp;
- 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;
- 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