

MASTER TL-E Circular Super 80

MASTER TL-E Circular Super 80 40W/830 1CT

Fluorescent lamps with a circular tube having a diameter of 26 mm



Product data

• General Characteristics

Cap-Base	G10q
Bulb	C-T9 [C-T 29 mm]
Life to 50% failures	9000 hr
EM	
LSF EM 8000h Rated, 3h cycle	45 %
LSF EM 6000h Rated, 3h cycle	60 %
LSF EM 4000h Rated, 3h cycle	77 %
LSF EM 2000h Rated, 3h cycle	98 %

• Electrical Characteristics

Lamp Wattage	40 W
Dimmable	Yes
Lamp Current EM 25°C	0.420 A
Lamp Wattage EM 25°C, Rated	40.0 W
Lamp Wattage EM 25°C, Nominal	40 W
Lamp Voltage EM 25°C	110 V

• Environmental Characteristics

Energy Efficiency	B
Label (EEL)	
Mercury (Hg) Content	30 mg

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
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Color Rendering Index	85 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Chromaticity Coordinate X	438 -
Chromaticity Coordinate Y	403 -
Luminance Average EM	0.85 cd/cm2
Lum Efficacy Rated EM 25°C	80 Lm/W
LLMF EM 8000h Rated	84 %
LLMF EM 6000h Rated	85 %
LLMF EM 4000h Rated	87 %
LLMF EM 2000h Rated	90 %
Luminous Flux EM 25°C, Rated	3200 Lm
Luminous Flux EM 25°C, Nominal	3200 Lm
Design Temperature	25 C

• Product Dimensions

Diameter D	27.1 (min), 30.9 (max) mm
Overall Width E	393.7 (min), 406.4 (max) mm
Inner Width I	341.0 (min), 347.7 (max) mm

• Product Data

Order code	928027483070
Full product code	928027483070

PHILIPS

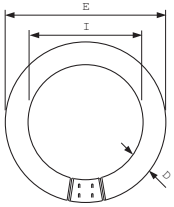
sense and simplicity

MASTER TL-E Circular Super 80

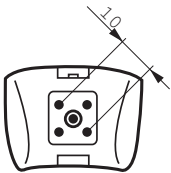
Full product name MASTER TL-E Circular Super 80
40W/830 1CT
Order product name MASTER TL-E Circular 40W/830
1CT/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack -
EAN1 8711500284761

Bar code on
outerbox - EAN3 8711500559524
Logistic code(s) -
12NC 928027483070
ILCOS code FSC-40/30/1B-E-G10q-29/400
Net weight per piece 0.250 kg

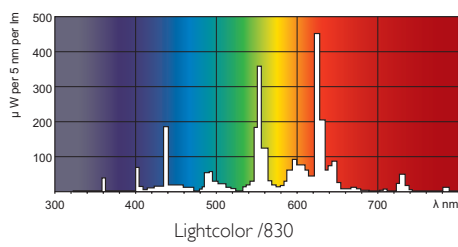
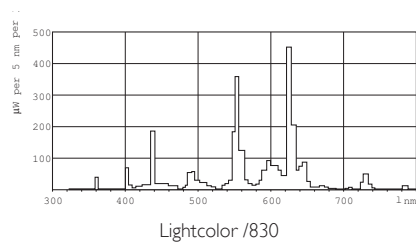
Dimensional drawing



Product	D (Min)	D (Max)	E (Min)	E (Max)	I (Min)	I (Max)
TL-E 40W/830	27.1	30.9	393.7	406.4	341.0	347.7



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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2011, June 7
data subject to change