MASTER TL-E Circular Super 80

MASTER TL-E Circular Super 80 40W/840 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 Label (EEL)	B
Mercury (Hg) Content	30 mg

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	379 -
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	928027484070
Full product code	928027484070

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sense and simplicity

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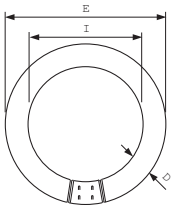
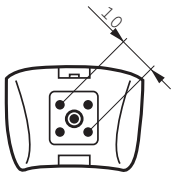
Full product name	MASTER TL-E Circular Super 80 40W/840 1CT
Order product name	MASTER TL-E Circular 40W/840 1CT/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500284747
Bar code on outerbox - EAN3	8711500559555
Logistic code(s) - 12NC	928027484070
ILCOS code	FSC-40/40/1B-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/840	27.1	30.9	393.7	406.4	341.0	347.7



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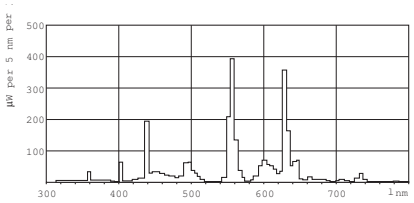
Photometric data



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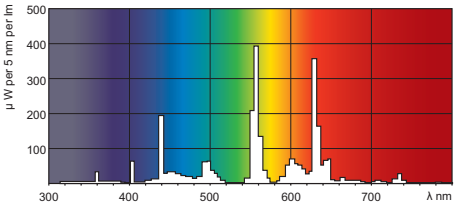

Lightcolor /840

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

www.philips.com/lighting

2011, June 7
data subject to change