



Extended design possibilities

MASTER TL5 Circular

This circular TL5 lamp (tube diameter 16 mm) offers extended design possibilities. The slim tube allows the creation of extremely flat luminaires and enables omnidirectional light distribution. It is suitable for a wide range of professional and semi-professional applications, and is ideal for use in shops, offices and public areas with unconventional layouts.

Benefits

- Slim 16 mm tube allows creation of extremely flat luminaires
- Allows appealing circular designs
- High lamp efficacy
- Good color rendering
- Higher average system efficiency

Features

- Perfect circular shape
- Highly efficient 3-band fluorescent coating
- Specifically designed for operation with electronic gear
- Amalgam technology (55 and 60W only)

Application

- Brings the benefits of TL5 lighting to an even wider range of attractive applications
- Suitable for a wide range of professional and semi-professional applications
- Ideal for use in shops, offices and public areas with non-traditional lay-outs
- Amalgam lamps 55W and 60W are limited suitable for dimming applications

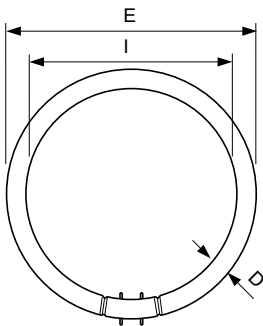
MASTER TL5 Circular

Versions



C-T5 2GX13

Dimensional drawing



Product	D (max)	D (min)	E (min)	E (max)	I (min)	I (max)
MASTER TL5 Circular 60W/840 1CT/10	18 mm	14 mm	367 mm	379 mm	334 mm	346 mm
MASTER TL5 Circular 60W/830 1CT/10	18 mm	14 mm	367 mm	379 mm	334 mm	346 mm
MASTER TL5 Circular 55W/840 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 55W/830 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 40W/840 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 40W/830 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 40W/827 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 22W/840 1CT/10	18 mm	14 mm	220 mm	230 mm	187 mm	197 mm
MASTER TL5 Circular 22W/830 1CT/10	18 mm	14 mm	220 mm	230 mm	187 mm	197 mm
MASTER TL5 Circular 22W/827 1CT/10	18 mm	14 mm	220 mm	230 mm	187 mm	197 mm

MASTER TL5 Circular

Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.5 mg

Controls and Dimming

Dimmable	Yes
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General Information

Cap-Base	2GX13
Life To 50% Failures Preheat (Nom)	12000 h
LSF Preheat 16000 h Rated	10 %
LSF Preheat 20000 h Rated	1 %
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	96 %
LSF Preheat 8000 h Rated	89 %

Light Technical

Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	85
LLMF 12000 h Rated	77 %
LLMF 16000 h Rated	74 %
LLMF 2000 h Rated	91 %
LLMF 20000 h Rated	72 %
LLMF 4000 h Rated	87 %
LLMF 6000 h Rated	84 %
LLMF 8000 h Rated	81 %

Mechanical and Housing

Bulb Shape	C-T5
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Temperature

Design Temperature (Nom)	35 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927965082713	MASTER TL5 Circular 22W/827 1CT/10	25 kWh
927965083013	MASTER TL5 Circular 22W/830 1CT/10	25 kWh
927965084013	MASTER TL5 Circular 22W/840 1CT/10	25 kWh
927965582713	MASTER TL5 Circular 40W/827 1CT/10	44 kWh
927965583013	MASTER TL5 Circular 40W/830 1CT/10	44 kWh
927965584013	MASTER TL5 Circular 40W/840 1CT/10	44 kWh
927965783013	MASTER TL5 Circular 55W/830 1CT/10	61 kWh
927965784013	MASTER TL5 Circular 55W/840 1CT/10	61 kWh
927966083013	MASTER TL5 Circular 60W/830 1CT/10	66 kWh
927966084013	MASTER TL5 Circular 60W/840 1CT/10	66 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927965082713	MASTER TL5 Circular 22W/827 1CT/10	0.300 A	22.3 W	927965584013	MASTER TL5 Circular 40W/840 1CT/10	0.320 A	39.9 W
927965083013	MASTER TL5 Circular 22W/830 1CT/10	0.300 A	22.3 W	927965783013	MASTER TL5 Circular 55W/830 1CT/10	0.550 A	55.0 W
927965084013	MASTER TL5 Circular 22W/840 1CT/10	0.300 A	22.3 W	927965784013	MASTER TL5 Circular 55W/840 1CT/10	0.550 A	55.0 W
927965582713	MASTER TL5 Circular 40W/827 1CT/10	0.320 A	39.9 W	927966083013	MASTER TL5 Circular 60W/830 1CT/10	0.470 A	60.0 W
927965583013	MASTER TL5 Circular 40W/830 1CT/10	0.320 A	39.9 W	927966084013	MASTER TL5 Circular 60W/840 1CT/10	0.470 A	60.0 W

Light Technical (1/2)

MASTER TL5 Circular

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
927965082713	MASTER TL5 Circular 22W/827 1CT/10	827	Incandescent White	2700 K	82 lm/W
927965083013	MASTER TL5 Circular 22W/830 1CT/10	830	Warm White (WW)	3000 K	82 lm/W
927965084013	MASTER TL5 Circular 22W/840 1CT/10	840	Cool White (CW)	4000 K	82 lm/W
927965582713	MASTER TL5 Circular 40W/827 1CT/10	827	Incandescent White	2700 K	83 lm/W
927965583013	MASTER TL5 Circular 40W/830 1CT/10	830	Warm White (WW)	3000 K	83 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
927965584013	MASTER TL5 Circular 40W/840 1CT/10	840	Cool White (CW)	4000 K	83 lm/W
927965783013	MASTER TL5 Circular 55W/830 1CT/10	830	Warm White (WW)	3000 K	76 lm/W
927965784013	MASTER TL5 Circular 55W/840 1CT/10	841	Cool White (CW)	4100 K	76 lm/W
927966083013	MASTER TL5 Circular 60W/830 1CT/10	830	Warm White (WW)	3000 K	83 lm/W
927966084013	MASTER TL5 Circular 60W/840 1CT/10	840	Cool White (CW)	4000 K	83 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927965082713	MASTER TL5 Circular 22W/827 1CT/10	1800 lm	1800 lm
927965083013	MASTER TL5 Circular 22W/830 1CT/10	1800 lm	1800 lm
927965084013	MASTER TL5 Circular 22W/840 1CT/10	1800 lm	1800 lm
927965582713	MASTER TL5 Circular 40W/827 1CT/10	3300 lm	3300 lm
927965583013	MASTER TL5 Circular 40W/830 1CT/10	3300 lm	3300 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927965584013	MASTER TL5 Circular 40W/840 1CT/10	3300 lm	3300 lm
927965783013	MASTER TL5 Circular 55W/830 1CT/10	4200 lm	4200 lm
927965784013	MASTER TL5 Circular 55W/840 1CT/10	4200 lm	4200 lm
927966083013	MASTER TL5 Circular 60W/830 1CT/10	5000 lm	5000 lm
927966084013	MASTER TL5 Circular 60W/840 1CT/10	5000 lm	5000 lm

