



Product Description

MASTER TL5 Circular

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

Benefits

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

Features

- Perfect circular shape
- Highly efficient 3-band fluorescent coating
- Specifically designed for operation with electronic gear
- Can be ignited from -15 to +50 °C
- Amalgam technology

Application

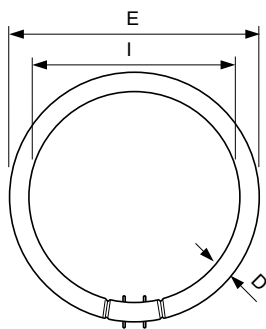
- Brings the benefits of TL5 lighting to an even wider range of attractive applications
- Suitable for a wide range of professional and semi-professional applications
- Ideal for use in shops, offices and public areas with non-traditional lay-outs
- Amalgam lamps are limited suitable for dimming applications

MASTER TL5 Circular

Versions



Dimensional drawing



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

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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

Colour Rendering Index (Max)	85
Colour Rendering Index (Min)	80
Colour 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
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)
927965082713	MASTER TL5 Circular 22W/827 1CT/10	0.300 A	22.3 W
927965083013	MASTER TL5 Circular 22W/830 1CT/10	0.300 A	22.3 W
927965084013	MASTER TL5 Circular 22W/840 1CT/10	0.300 A	22.3 W
927965582713	MASTER TL5 Circular 40W/827 1CT/10	0.320 A	39.9 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927965783013	MASTER TL5 Circular 55W/830 1CT/10	0.550 A	55.0 W
927965784013	MASTER TL5 Circular 55W/840 1CT/10	0.550 A	55.0 W
927966083013	MASTER TL5 Circular 60W/830 1CT/10	0.470 A	60.0 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	Colour Code	Colour Designation	Correlated Colour 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

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour Temperature (Nom)	Luminous Efficacy (rated) (Nom)
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

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
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

