



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 layouts
- Amalgam lamps 55W and 60W are limited suitable for dimming applications

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Warnings and Safety

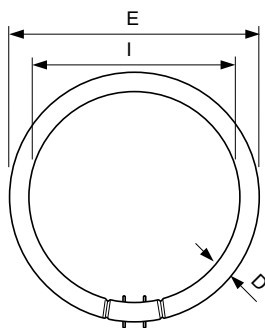
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Lamp contains mercury.
- Manage in Accord with Disposal Laws.
- See: www.lamprecycle.org or 1-800-555-0050

Versions



22 W 2GX13 C-T5 16 mm

Dimensional drawing



Product	D (max)	D (min)	E (min)	E (max)	I (min)	I (max)
MASTER TL5 Circular 22W/830 1CT/10	3/4 in	9/16 in	8-11/16 in	9-1/16 in	7-3/8 in	7-3/4 in
MASTER TL5 Circular 22W/840 1CT/10	3/4 in	9/16 in	8-11/16 in	9-1/16 in	7-3/8 in	7-3/4 in
MASTER TL5 Circular 55W/830 1CT/10	3/4 in	9/16 in	11-9/16 in	12-1/16 in	10-1/4 in	10-3/4 in
MASTER TL5 Circular 55W/840 1CT/10	3/4 in	9/16 in	11-9/16 in	12-1/16 in	10-1/4 in	10-3/4 in

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Approval and application	
Mercury (Hg) Content (Max)	4 mg
Mercury (Hg) Content (Nom)	4 mg
Controls and dimming	
Dimmable	Yes
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 (Nom)	81
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

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
166017	TL5C 22W/830 1CT/10	24 kWh
166009	TL5C 22W/840 1CT/10	24 kWh
165936	TL5C 55W/830 1CT/10	56 kWh
165928	TL5C 55W/840 1CT/10	56 kWh

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
166017	TL5C 22W/830 1CT/10	0.300 A	23.5 W
166009	TL5C 22W/840 1CT/10	0.300 A	23.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
165936	TL5C 55W/830 1CT/10	0.550 A	55.7 W
165928	TL5C 55W/840 1CT/10	0.550 A	55.7 W

Light technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
166017	TL5C 22W/830 1CT/10	0.44	0.403	830	Warm White (WW)
166009	TL5C 22W/840 1CT/10	0.38	0.38	841	Cool White (CW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
165936	TL5C 55W/830 1CT/10	0.44	0.403	830	Warm White (WW)
165928	TL5C 55W/840 1CT/10	0.38	0.38	841	Cool White (CW)

Light technical (2/2)

MASTER TL5 Circular

Order	Full Product	Correlated	Luminous	Luminous	Luminous
		Color			
Code	Name	Temperature	Efficacy	Luminous	Flux (Rated)
		(Nom)	(rated) (Nom)	Flux (Nom)	(Nom)
166017	TL5C	3000 K	82 lm/W	1800 lm	1800 lm
	22W/830				
	1CT/10				
166009	TL5C	4000 K	82 lm/W	1800 lm	1800 lm
	22W/840				
	1CT/10				

Order	Full Product	Correlated	Luminous	Luminous	Luminous
		Color			
Code	Name	Temperature	Efficacy	Luminous	Flux (Rated)
		(Nom)	(rated) (Nom)	Flux (Nom)	(Nom)
165936	TL5C	3000 K	76 lm/W	4210 lm	4200 lm
	55W/830				
	1CT/10				
165928	TL5C	4000 K	76 lm/W	4210 lm	4200 lm
	55W/840				
	1CT/10				

