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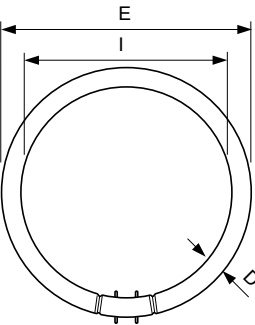
Application
- Brings the benefits of TL5 lighting to an even wider range of attractive applications
- Suitable for a wide range of professional and semi-professional applications
- Ideal for use in shops, offices and public areas with non-traditional lay-outs
- Amalgam lamps 55W and 60W are limited suitable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

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.

MASTER TL5 Circular

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 22W/840 1CT/10	18 mm	14 mm	220 mm	230 mm	187 mm	197 mm
MASTER TL5 Circular 40W/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 55W/830 1CT/10	18 mm	14 mm	293 mm	305 mm	260 mm	272 mm
MASTER TL5 Circular 55W/840 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 60W/840 1CT/10	18 mm	14 mm	367 mm	379 mm	334 mm	346 mm

General Information

General Information	
Cap-Base	2GX13

Light Technical	
Color rendering index (CRI)	81

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Bulb Shape	C-T5

Approval and Application	
Mercury (Hg) Content (Max)	4 mg
Mercury (Hg) Content (Nom)	4 mg

General Information

Order Code	Full Product Name	Nominal lifetime
927965083013	MASTER TL5 Circular 22W/830 1CT/10	–
927965084013	MASTER TL5 Circular 22W/840 1CT/10	12,000 hour(s)
927965583013	MASTER TL5 Circular 40W/830 1CT/10	–
927965584013	MASTER TL5 Circular 40W/840 1CT/10	–

Order Code	Full Product Name	Nominal lifetime
927965783013	MASTER TL5 Circular 55W/830 1CT/10	12,000 hour(s)
927965784013	MASTER TL5 Circular 55W/840 1CT/10	12,000 hour(s)
927966083013	MASTER TL5 Circular 60W/830 1CT/10	12,000 hour(s)
927966084013	MASTER TL5 Circular 60W/840 1CT/10	–

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927965083013	MASTER TL5 Circular 22W/830 1CT/10	0.44	0.403	Warm White (WW)	3000 K	82 lm/W	1,800 lm
927965084013	MASTER TL5 Circular 22W/840 1CT/10	0.38	0.38	Cool White (CW)	4000 K	82 lm/W	1,800 lm

MASTER TL5 Circular

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927965583013	MASTER TL5 Circular 40W/830 1CT/10	0.44	0.403	Warm White (WW)	3000 K	83 lm/W	3,300 lm
927965584013	MASTER TL5 Circular 40W/840 1CT/10	0.38	0.38	Cool White (CW)	4000 K	83 lm/W	3,300 lm
927965783013	MASTER TL5 Circular 55W/830 1CT/10	0.44	0.403	Warm White (WW)	3000 K	76 lm/W	4,210 lm
927965784013	MASTER TL5 Circular 55W/840 1CT/10	0.38	0.38	Cool White (CW)	4000 K	76 lm/W	4,210 lm
927966083013	MASTER TL5 Circular 60W/830 1CT/10	0.44	0.403	Warm White (WW)	3000 K	83 lm/W	5,000 lm
927966084013	MASTER TL5 Circular 60W/840 1CT/10	0.38	0.38	Cool White (CW)	4000 K	83 lm/W	5,000 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927965083013	MASTER TL5 Circular 22W/830 1CT/10	0.300 A	23.5 W
927965084013	MASTER TL5 Circular 22W/840 1CT/10	0.300 A	23.5 W
927965583013	MASTER TL5 Circular 40W/830 1CT/10	0.320 A	40.5 W
927965584013	MASTER TL5 Circular 40W/840 1CT/10	0.320 A	40.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927965783013	MASTER TL5 Circular 55W/830 1CT/10	0.550 A	55.7 W
927965784013	MASTER TL5 Circular 55W/840 1CT/10	0.550 A	55.7 W
927966083013	MASTER TL5 Circular 60W/830 1CT/10	0.470 A	60.6 W
927966084013	MASTER TL5 Circular 60W/840 1CT/10	0.470 A	60.6 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
927965083013	MASTER TL5 Circular 22W/830 1CT/10	24 kWh
927965084013	MASTER TL5 Circular 22W/840 1CT/10	24 kWh
927965583013	MASTER TL5 Circular 40W/830 1CT/10	41 kWh
927965584013	MASTER TL5 Circular 40W/840 1CT/10	41 kWh

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
927965783013	MASTER TL5 Circular 55W/830 1CT/10	56 kWh
927965784013	MASTER TL5 Circular 55W/840 1CT/10	56 kWh
927966083013	MASTER TL5 Circular 60W/830 1CT/10	61 kWh
927966084013	MASTER TL5 Circular 60W/840 1CT/10	61 kWh

PHILIPS