# **PHILIPS** Lighting



# 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 semiprofessional 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
- $\cdot$  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

# Versions



55 W 2GX13 Warm white Circular fluorescent - RFT



22 W Cool white Circular fluorescent - RFT



60 W 2GX13 Warm white Circular fluorescent - RFT



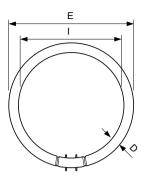
LPPR TL5-C8



55 W 2GX13 Cool white T5 Circular fluorescent - RFT

# **MASTER TL5 Circular**

# Dimensional drawing



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
64279025	MASTER TL5 CIRCULAR 55W/830 1CT/10	12,000 hour(s)
64221925	MASTER TL5 CIRCULAR 22W/840 1CT/10	12,000 hour(s)
64259225	MASTER TL5 CIRCULAR 60W/830 1CT/10	12,000 hour(s)
64095625	MASTER TL5 CIRCULAR 22W/830 1CT/10	-

1CT/10						
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 60W/840 1CT/10	18 mm	14 mm	367 mm	379 mm	334 mm	346 mm

MASTER TL5 Circular 22W/830 18 mm 14 mm 220 mm 230 mm 187 mm 197 mm

D (max) D (min) E (min) E (max) I (min) I (max)

18 mm 14 mm 220 mm 230 mm 187 mm 197 mm

18 mm 14 mm 293 mm 305 mm 260 mm 272 mm

18 mm 14 mm 293 mm 305 mm 260 mm 272 mm

18 mm 14 mm 367 mm 379 mm 334 mm 346 mm

Order Code	Full Product Name	Nominal lifetime
64097025	MASTER TL5 CIRCULAR 40W/830 1CT/10	-
64223325	MASTER TL5 CIRCULAR 40W/840 1CT/10	-
64261525	MASTER TL5 CIRCULAR 60W/840 1CT/10	-
64251625	MASTER TL5 CIRCULAR 55W/840 1CT/10	12,000 hour(s)

#### Light Technical

		Chromaticity	Chromaticity				
		Coordinate X	Coordinate Y		Correlated Color	Luminous Efficacy	
Order Code	Full Product Name	(Nom)	(Nom)	Color Designation	Temperature (Nom)	(rated) (Nom)	Luminous Flux
64279025	MASTER TL5 CIRCULAR 55W/830	0.44	0.403	Warm White (WW)	3000 K	76 lm/W	4,210 lm
	1CT/10						

Product

fluorescent

22 W Cool white Circular

55 W 2GX13 Cool white T5

Circular fluorescent 55 W 2GX13 Warm white

Circular fluorescent 60 W 2GX13 Warm white

Circular fluorescent

# **MASTER TL5 Circular**

	Chromaticity	Chromaticity				
	Coordinate X	Coordinate Y		Correlated Color	Luminous Efficacy	
Full Product Name	(Nom)	(Nom)	Color Designation	Temperature (Nom)	(rated) (Nom)	Luminous Flux
MASTER TL5 CIRCULAR 22W/840	0.38	0.38	Cool White (CW)	4000 K	82 lm/W	1,800 lm
1CT/10						
MASTER TL5 CIRCULAR 60W/830	0.44	0.403	Warm White (WW)	3000 K	83 lm/W	5,000 lm
1CT/10						
MASTER TL5 CIRCULAR 22W/830	0.44	0.403	Warm White (WW)	3000 K	82 lm/W	1,800 lm
1CT/10						
MASTER TL5 CIRCULAR 40W/830	0.44	0.403	Warm White (WW)	3000 K	83 lm/W	3,300 lm
1CT/10						
MASTER TL5 CIRCULAR 40W/840	0.38	0.38	Cool White (CW)	4000 K	83 lm/W	3,300 lm
1CT/10						
MASTER TL5 CIRCULAR 60W/840	0.38	0.38	Cool White (CW)	4000 K	83 lm/W	5,000 lm
1CT/10						
MASTER TL5 CIRCULAR 55W/840	0.38	0.38	Cool White (CW)	4000 K	76 lm/W	4,210 lm
1CT/10						
	MASTER TL5 CIRCULAR 22W/840 1CT/10 MASTER TL5 CIRCULAR 60W/830 1CT/10 MASTER TL5 CIRCULAR 22W/830 1CT/10 MASTER TL5 CIRCULAR 40W/830 1CT/10 MASTER TL5 CIRCULAR 40W/840 1CT/10 MASTER TL5 CIRCULAR 60W/840 1CT/10 MASTER TL5 CIRCULAR 55W/840	Coordinate X    Full Product Name  (Nom)    MASTER TL5 CIRCULAR 22W/840  0.38    1CT/10  0.44    MASTER TL5 CIRCULAR 60W/830  0.44    1CT/10  0.44    MASTER TL5 CIRCULAR 22W/830  0.44    1CT/10  0.44    MASTER TL5 CIRCULAR 40W/830  0.44    1CT/10  0.44    MASTER TL5 CIRCULAR 40W/840  0.44    1CT/10  0.38    MASTER TL5 CIRCULAR 60W/840  0.38    1CT/10  0.38    MASTER TL5 CIRCULAR 60W/840  0.38    1CT/10  0.38	Coordinate X  Coordinate Y    Full Product Name  (Nom)  (Nom)    MASTER TL5 CIRCULAR 22W/840  0.38  0.38    1CT/10  0.44  0.403    MASTER TL5 CIRCULAR 60W/830  0.44  0.403    1CT/10  0.44  0.403    MASTER TL5 CIRCULAR 22W/830  0.44  0.403    1CT/10  0.44  0.403    MASTER TL5 CIRCULAR 40W/830  0.44  0.403    1CT/10  0.44  0.403    MASTER TL5 CIRCULAR 40W/830  0.44  0.403    1CT/10  0.44  0.403    MASTER TL5 CIRCULAR 40W/840  0.38  0.38    1CT/10  0.38  0.38    MASTER TL5 CIRCULAR 60W/840  0.38  0.38    1CT/10  0.38  0.38    MASTER TL5 CIRCULAR 60W/840  0.38  0.38    1CT/10  0.38  0.38	Coordinate X  Coordinate Y    Full Product Name  (Nom)  Color Designation    MASTER TL5 CIRCULAR 22W/840  0.38  0.38  Cool White (CW)    1CT/10	Coordinate X  Coordinate Y  Correlated Color    Full Product Name  (Nom)  Color Designatio  Temperature (Nom)    MASTER TL5 CIRCULAR 22W/840  0.38  0.38  Cool White (CW)  4000 K    1CT/10	Kordinate XCoordinate XCoordinate XCorrelated ColorLuminous Efficacy (red) (Mom)Full Product Name(Nom)KolorColor DesignationTemperature (Nom)(red) (Nom)MASTER TL5 CIRCULAR 22W/8400.380.38Color White (W)400 K8 2 Im/WICT/10UUUUUUMASTER TL5 CIRCULAR 60W/8300.440.403Warm White (W)300 K8 2 Im/WICT/10UUUUUUMASTER TL5 CIRCULAR 22W/8400.440.403Warm White (W)300 K8 2 Im/WICT/10UUUUUUUMASTER TL5 CIRCULAR 40W/8400.440.403Warm White (W)300 K8 3 Im/WICT/10UUUUUUUMASTER TL5 CIRCULAR 60W/8400.830.83Cool White (CM)400 K8 3 Im/WICT/10UUUUUUUMASTER TL5 CIRCULAR 60W/8400.380.38Cool White (CM)400 K8 3 Im/WICT/10UUUUUUUUMASTER TL5 CIRCULAR 55W/8400.380.38Cool White (CM)400 KA 3 Im/W

#### **Operating and Electrical**

		Lamp Current				Lamp Current	
Order Code	Full Product Name	(Nom)	Power Consumption	Order Code	Full Product Name	(Nom)	Power Consumption
64279025	MASTER TL5 CIRCULAR 55W/830	0.550 A	55.7 W	64097025	MASTER TL5 CIRCULAR 40W/830	0.320 A	40.5 W
	1CT/10				1CT/10		
64221925	MASTER TL5 CIRCULAR 22W/840	0.300 A	23.5 W	64223325	MASTER TL5 CIRCULAR 40W/840	0.320 A	40.5 W
	1CT/10				1CT/10		
64259225	MASTER TL5 CIRCULAR 60W/830	0.470 A	60.6 W	64261525	MASTER TL5 CIRCULAR 60W/840	0.470 A	60.6 W
	1CT/10				1CT/10		
64095625	MASTER TL5 CIRCULAR 22W/830	0.300 A	23.5 W	64251625	MASTER TL5 CIRCULAR 55W/840	0.550 A	55.7 W
	1CT/10				1CT/10		

#### Approval and Application

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
64279025	MASTER TL5 CIRCULAR 55W/830 1CT/10	56 kWh
64221925	MASTER TL5 CIRCULAR 22W/840 1CT/10	24 kWh
64259225	MASTER TL5 CIRCULAR 60W/830 1CT/10	61 kWh
64095625	MASTER TL5 CIRCULAR 22W/830 1CT/10	24 kWh

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
64097025	MASTER TL5 CIRCULAR 40W/830 1CT/10	41 kWh
64223325	MASTER TL5 CIRCULAR 40W/840 1CT/10	41 kWh
64261525	MASTER TL5 CIRCULAR 60W/840 1CT/10	61 kWh
64251625	MASTER TL5 CIRCULAR 55W/840 1CT/10	56 kWh



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