



Circular shaped fluorescent lighting with improved color rendering

MASTER TL-E Circular Super 80

This circular TL lamp (tube diameter 29 mm) enables omni-directional light distribution. It is suitable for use in a wide range of luminaires for various purposes, including decorative ones, in 'human' applications such as schools, offices, shops and homes, and for lighting of residential areas.

Benefits

- /80 colors have good color rendering and high efficacy compared with standard colors
- Symmetrical, omnidirectional light distribution
- Create atmospheres from warm white to cool daylight

Features

- Available in various color designations

Application

- Suitable for use in a wide range of luminaires for various purposes, including decorative luminaires
- Ideal for 'human' applications such as schools, offices, shops and homes

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.

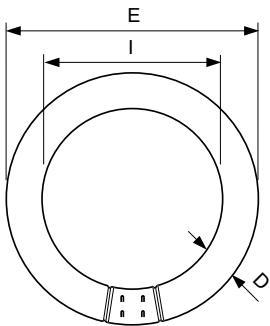
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Versions



G10q, C-T9

Dimensional drawing



Product	D (max)	D (min)	E (min)	E (max)	I (min)	I (max)
TL-E 32W/830	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/20			mm	mm	mm	mm
TL-E 32W/830	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/12			mm	mm	mm	mm
TL-E 32W/865	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/12			mm	mm	mm	mm
TL-E 32W/865	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/20			mm	mm	mm	mm
TL-E 40W/865	30.9 mm	27.1 mm	393.7	406.4	341.0	347.7 mm
1CT/12			mm	mm	mm	
TL-E 22W/840	30.9 mm	26.2 mm	205.0	213.5 mm	149.1	155.6 mm
1CT/12			mm		mm	
TL-E 40W/830	30.9 mm	27.1 mm	393.7	406.4	341.0	347.7 mm
1CT/12			mm	mm	mm	
TL-E 40W/840	30.9 mm	27.1 mm	393.7	406.4	341.0	347.7 mm
1CT/12			mm	mm	mm	
TL-E 22W/865	30.9 mm	26.2 mm	205.0	213.5 mm	149.1	155.6 mm
1CT/12			mm		mm	
TL-E 32W/840	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/12			mm	mm	mm	mm
TL-E 32W/840	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/20			mm	mm	mm	mm
TL-E 32W/840	30.9 mm	27.1 mm	299.0	303.5	241.0	246.0
1CT/4			mm	mm	mm	mm

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Approval and Application	
Mercury (Hg) Content (Nom)	8 mg
Controls and Dimming	
Dimmable	Yes
General Information	
Cap-Base	G10Q
Life To 50% Failures (Nom)	13000 h
Light Technical	
Color Rendering Index (Nom)	80
Mechanical and Housing	
Bulb Shape	C-T9
Temperature	
Design Temperature (Nom)	25 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)
928026284070	TL-E 22W/840 1CT/12	23 kWh	8 mg
928026286570	TL-E 22W/865 1CT/12	23 kWh	8 mg
928026383070	TL-E 32W/830 1CT/12	33 kWh	8 mg
928026383074	TL-E 32W/830 1CT/20	35 kWh	-
928026384040	TL-E 32W/840 1CT/4	35 kWh	-
928026384070	TL-E 32W/840 1CT/12	33 kWh	8 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)
928026384074	TL-E 32W/840 1CT/20	35 kWh	-
928026386570	TL-E 32W/865 1CT/12	33 kWh	8 mg
928026386574	TL-E 32W/865 1CT/20	35 kWh	-
928027483070	TL-E 40W/830 1CT/12	41 kWh	8 mg
928027484070	TL-E 40W/840 1CT/12	41 kWh	8 mg
928027486570	TL-E 40W/865 1CT/12	41 kWh	8 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
928026284070	TL-E 22W/840 1CT/12	0.400 A	62 V	22.2 W
928026286570	TL-E 22W/865 1CT/12	0.400 A	62 V	22.2 W
928026383070	TL-E 32W/830 1CT/12	0.450 A	81 V	32.8 W
928026383074	TL-E 32W/830 1CT/20	0.450 A	81 V	32.0 W
928026384040	TL-E 32W/840 1CT/4	0.450 A	81 V	32.0 W
928026384070	TL-E 32W/840 1CT/12	0.450 A	81 V	32.8 W

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
928026384074	TL-E 32W/840 1CT/20	0.450 A	81 V	32.0 W
928026386570	TL-E 32W/865 1CT/12	0.450 A	81 V	32.8 W
928026386574	TL-E 32W/865 1CT/20	0.450 A	81 V	32.0 W
928027483070	TL-E 40W/830 1CT/12	0.420 A	110 V	40.8 W
928027484070	TL-E 40W/840 1CT/12	0.420 A	110 V	40.8 W
928027486570	TL-E 40W/865 1CT/12	0.420 A	110 V	40.8 W

General Information

Order Code	Full Product Name	LSF 2000	LSF 4000	LSF 6000	LSF 8000
		h Rated	h Rated	h Rated	h Rated
928026284070	TL-E 22W/840 1CT/12	80 %	74 %	70 %	67 %
928026286570	TL-E 22W/865 1CT/12	98 %	77 %	60 %	45 %
928026383070	TL-E 32W/830 1CT/12	98 %	77 %	60 %	45 %

Order Code	Full Product Name	LSF 2000	LSF 4000	LSF 6000	LSF 8000
		h Rated	h Rated	h Rated	h Rated
928026383074	TL-E 32W/830 1CT/20	98 %	77 %	60 %	45 %
928026384040	TL-E 32W/840 1CT/4	98 %	77 %	60 %	45 %
928026384070	TL-E 32W/840 1CT/12	98 %	77 %	60 %	45 %
928026384074	TL-E 32W/840 1CT/20	98 %	77 %	60 %	45 %

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Order Code	Full Product Name	LSF 2000	LSF 4000	LSF 6000	LSF 8000
		h Rated	h Rated	h Rated	h Rated
928026386570	TL-E 32W/865 1CT/12	98 %	77 %	60 %	45 %
928026386574	TL-E 32W/865 1CT/20	98 %	77 %	60 %	45 %
928027483070	TL-E 40W/830 1CT/12	98 %	77 %	60 %	45 %

Order Code	Full Product Name	LSF 2000	LSF 4000	LSF 6000	LSF 8000
		h Rated	h Rated	h Rated	h Rated
928027484070	TL-E 40W/840 1CT/12	98 %	77 %	60 %	45 %
928027486570	TL-E 40W/865 1CT/12	98 %	77 %	60 %	45 %

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color Code	Color Designation	Correlated Color	LLMF 2000 h	LLMF 4000 h
		Coordinate X (Nom)	Coordinate Y (Nom)			Temperature (Nom)	Rated	Rated
928026284070	TL-E 22W/840 1CT/12	0.38	0.38	840	Cool White (CW)	4000 K	90 %	87 %
928026286570	TL-E 22W/865 1CT/12	0.313	0.337	865	Cool Daylight	6500 K	80 %	74 %
928026383070	TL-E 32W/830 1CT/12	0.44	0.403	830	Warm White (WW)	3000 K	84 %	79 %
928026383074	TL-E 32W/830 1CT/20	-	-	830	Warm White (WW)	3000 K	84 %	79 %
928026384040	TL-E 32W/840 1CT/4	-	-	840	Cool White (CW)	4000 K	84 %	79 %
928026384070	TL-E 32W/840 1CT/12	0.38	0.38	840	Cool White (CW)	4000 K	84 %	79 %
928026384074	TL-E 32W/840 1CT/20	-	-	840	Cool White (CW)	4000 K	84 %	79 %
928026386570	TL-E 32W/865 1CT/12	0.313	0.337	865	Cool Daylight	6500 K	84 %	79 %
928026386574	TL-E 32W/865 1CT/20	-	-	865	Cool Daylight	6500 K	84 %	79 %
928027483070	TL-E 40W/830 1CT/12	0.44	0.403	830	Warm White (WW)	3000 K	89 %	84 %
928027484070	TL-E 40W/840 1CT/12	0.38	0.38	840	Cool White (CW)	4000 K	89 %	84 %
928027486570	TL-E 40W/865 1CT/12	0.313	0.337	865	Cool Daylight	6500 K	89 %	84 %

Light Technical (2/2)

Order Code	Full Product Name	Luminous			Luminous	
		LLMF 6000 h	LLMF 8000 h	Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
928026284070	TL-E 22W/840 1CT/12	85 %	84 %	59 lm/W	1285 lm	1285 lm
928026286570	TL-E 22W/865 1CT/12	70 %	67 %	57 lm/W	1250 lm	1250 lm
928026383070	TL-E 32W/830 1CT/12	75 %	73 %	74 lm/W	2375 lm	2375 lm
928026383074	TL-E 32W/830 1CT/20	75 %	73 %	74 lm/W	2375 lm	2375 lm
928026384040	TL-E 32W/840 1CT/4	75 %	73 %	74 lm/W	2375 lm	2375 lm
928026384070	TL-E 32W/840 1CT/12	75 %	73 %	74 lm/W	2375 lm	2375 lm

Order Code	Full Product Name	Luminous			Luminous	
		LLMF 6000 h	LLMF 8000 h	Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
928026384074	TL-E 32W/840 1CT/20	75 %	73 %	74 lm/W	2375 lm	2375 lm
928026386570	TL-E 32W/865 1CT/12	75 %	73 %	72 lm/W	2310 lm	2310 lm
928026386574	TL-E 32W/865 1CT/20	75 %	73 %	72 lm/W	2310 lm	2310 lm
928027483070	TL-E 40W/830 1CT/12	81 %	80 %	80 lm/W	3200 lm	3200 lm
928027484070	TL-E 40W/840 1CT/12	82 %	80 %	80 lm/W	3200 lm	3200 lm
928027486570	TL-E 40W/865 1CT/12	81 %	80 %	78 lm/W	3070 lm	3070 lm

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