



## 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

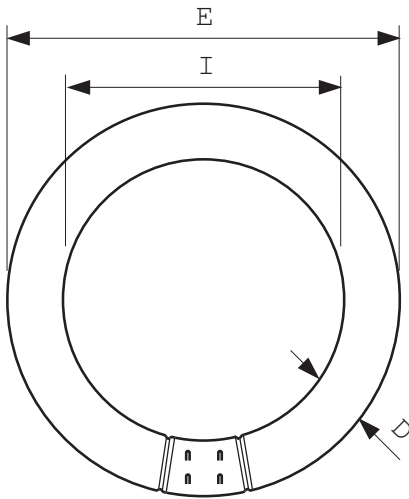
- Suitable for use in a wide range of luminaires for various purposes, including decorative luminaires
- Ideal for 'human' applications such as schools, offices, shops and homes

Related products



G10q, C-T9

Dimensional drawing



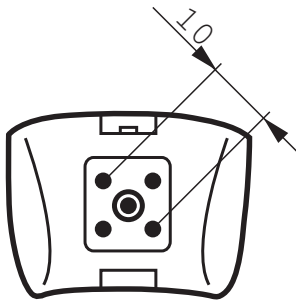
G10q, C-T9

Product	D (Min)	D (Max)	E (Min)	E (Max)	I (Min)	I (Max)
TL-E 22W/840	27.1	30.9	203.2	215.9	147.6	157.2
TL-E 22W/840	27.1	30.9	203.2	215.9	147.6	157.2
TL-E 22W/865	27.1	30.9	203.2	215.9	147.6	157.2
TL-E 22W/865	27.1	30.9	203.2	215.9	147.6	157.2
TL-E 32W/830	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/830	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/840	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/840	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/840	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/840	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/865	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/865	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/865	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 32W/865	27.1	30.9	299.0	303.5	241.0	246.0
TL-E 40W/830	27.1	30.9	393.7	406.4	341.0	347.7
TL-E 40W/840	27.1	30.9	393.7	406.4	341.0	347.7
TL-E 40W/840	27.1	30.9	393.7	406.4	341.0	347.7
TL-E 40W/865	27.1	30.9	393.7	406.4	341.0	347.7
TL-E 40W/865	27.1	30.9	393.7	406.4	341.0	347.7

General Characteristics

Order code	Full product name	Bulb	Cap-Base	Life to 50% failures EM	LSF EM 20000h Rated,3h cycle	LSF EM 16000h Rated,3h cycle	LSF EM 12000h Rated,3h cycle	LSF EM 8000h Rated,3h cycle	LSF EM 6000h Rated,3h cycle	LSF EM 4000h Rated,3h cycle	LSF EM 2000h Rated,3h cycle
928026284020	MASTER TL-E Circular Super 80 22W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026284070	MASTER TL-E Circular Super 80 22W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026286520	MASTER TL-E Circular Super 80 22W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026286570	MASTER TL-E Circular Super 80 22W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026383070	MASTER TL-E Circular Super 80 32W/830 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026383074	MASTER TL-E Circular Super 80 32W/830 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026384020	MASTER TL-E Circular Super 80 32W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026384070	MASTER TL-E Circular Super 80 32W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026384074	MASTER TL-E Circular Super 80 32W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026386520	MASTER TL-E Circular Super 80 32W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026386570	MASTER TL-E Circular Super 80 32W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928026386574	MASTER TL-E Circular Super 80 32W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928027483070	MASTER TL-E Circular Super 80 40W/830 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928027484020	MASTER TL-E Circular Super 80 40W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928027484070	MASTER TL-E Circular Super 80 40W/840 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928027486520	MASTER TL-E Circular Super 80 40W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98
928027486570	MASTER TL-E Circular Super 80 40W/865 1CT	C-T9	G10q	9000	-	-	-	45	60	77	98

Installation diagrams



G10q

Light Technical Characteristics (1/2)

Order code	Full product name	Color Code	Color Designation (text)	Chromaticity Coordinate X	Chromaticity Coordinate Y	Color Rendering Index	Color Temperature	Lum Efficacy Rated EM 25°C	LLMF EM 20000h Rated	LLMF EM 16000h Rated	LLMF EM 12000h Rated
928026284020	MASTER TL-E Circular Super 80 22W/840 1CT	840	Cool White	381	379	85	4000	59	-	-	-
928026284070	MASTER TL-E Circular Super 80 22W/840 1CT	840	Cool White	381	379	85	4000	59	-	-	-
928026286520	MASTER TL-E Circular Super 80 22W/865 1CT	865	Cool Daylight	313	337	85	6500	57	-	-	-
928026286570	MASTER TL-E Circular Super 80 22W/865 1CT	865	Cool Daylight	313	337	85	6500	57	-	-	-
928026383070	MASTER TL-E Circular Super 80 32W/830 1CT	830	Warm White	438	403	85	3000	74	-	-	-
928026383074	MASTER TL-E Circular Super 80 32W/830 1CT	830	Warm White	438	403	85	3000	74	-	-	-
928026384020	MASTER TL-E Circular Super 80 32W/840 1CT	840	Cool White	381	379	85	4000	74	-	-	-
928026384070	MASTER TL-E Circular Super 80 32W/840 1CT	840	Cool White	381	379	85	4000	74	-	-	-
928026384074	MASTER TL-E Circular Super 80 32W/840 1CT	840	Cool White	381	379	85	4000	74	-	-	-
928026386520	MASTER TL-E Circular Super 80 32W/865 1CT	865	Cool Daylight	313	337	85	6500	72	-	-	-
928026386570	MASTER TL-E Circular Super 80 32W/865 1CT	865	Cool Daylight	313	337	85	6500	72	-	-	-
928026386574	MASTER TL-E Circular Super 80 32W/865 1CT	865	Cool Daylight	313	337	85	6500	72	-	-	-
928027483070	MASTER TL-E Circular Super 80 40W/830 1CT	830	Warm White	438	403	85	3000	80	-	-	-
928027484020	MASTER TL-E Circular Super 80 40W/840 1CT	840	Cool White	381	379	85	4000	80	-	-	-
928027484070	MASTER TL-E Circular Super 80 40W/840 1CT	840	Cool White	381	379	85	4000	80	-	-	-

Order code	Full product name	Color Code	Color Designation (text)	Chromaticity Coordinate X	Chromaticity Coordinate Y	Color Rendering Index	Color Temperature	Lum Efficacy Rated EM 25°C	LLMF EM 20000h Rated	LLMF EM 16000h Rated	LLMF EM 12000h Rated
928027486520	MASTER TL-E Circular Super 80 40W/865 1CT	865	Cool Daylight	313	337	85	6500	78	-	-	-
928027486570	MASTER TL-E Circular Super 80 40W/865 1CT	865	Cool Daylight	313	337	85	6500	78	-	-	-

### Light Technical Characteristics (2/2)

Order code	Full product name	LLMF EM 8000h Rated	LLMF EM 6000h Rated	LLMF EM 4000h Rated	LLMF EM 2000h Rated	Luminous Flux EM 25°C, Rated	Luminous Flux EM 25°C, Nominal	Design Temperature
928026284020	MASTER TL-E Circular Super 80 22W/840 1CT	84	85	87	90	1300	1300	25
928026284070	MASTER TL-E Circular Super 80 22W/840 1CT	84	85	87	90	1300	1300	25
928026286520	MASTER TL-E Circular Super 80 22W/865 1CT	84	85	87	90	1250	1250	25
928026286570	MASTER TL-E Circular Super 80 22W/865 1CT	84	85	87	90	1250	1250	25
928026383070	MASTER TL-E Circular Super 80 32W/830 1CT	84	85	87	90	2375	2375	25
928026383074	MASTER TL-E Circular Super 80 32W/830 1CT	84	85	87	90	2375	2375	25
928026384020	MASTER TL-E Circular Super 80 32W/840 1CT	84	85	87	90	2375	2375	25
928026384070	MASTER TL-E Circular Super 80 32W/840 1CT	84	85	87	90	2375	2375	25
928026384074	MASTER TL-E Circular Super 80 32W/840 1CT	84	85	87	90	2375	2375	25
928026386520	MASTER TL-E Circular Super 80 32W/865 1CT	84	85	87	90	2310	2310	25
928026386570	MASTER TL-E Circular Super 80 32W/865 1CT	84	85	87	90	2310	2310	25
928026386574	MASTER TL-E Circular Super 80 32W/865 1CT	84	85	87	90	2310	2310	25
928027483070	MASTER TL-E Circular Super 80 40W/830 1CT	84	85	87	90	3200	3200	25
928027484020	MASTER TL-E Circular Super 80 40W/840 1CT	84	85	87	90	3200	3200	25
928027484070	MASTER TL-E Circular Super 80 40W/840 1CT	84	85	87	90	3200	3200	25
928027486520	MASTER TL-E Circular Super 80 40W/865 1CT	84	85	87	90	3100	3100	25
928027486570	MASTER TL-E Circular Super 80 40W/865 1CT	84	85	87	90	3100	3100	25

### Electrical Characteristics

Order code	Full product name	Lamp Wattage	Dimmable	Lamp Current EM 25°C	Lamp Wattage EM 25°C, Rated	Lamp Wattage EM 25°C, Nominal	Lamp Voltage EM 25°C
928026284020	MASTER TL-E Circular Super 80 22W/840 1CT	22	Yes	0.400	22	22.0	62
928026284070	MASTER TL-E Circular Super 80 22W/840 1CT	22	Yes	0.400	22	22.0	62
928026286520	MASTER TL-E Circular Super 80 22W/865 1CT	22	Yes	0.400	22.0	22	62
928026286570	MASTER TL-E Circular Super 80 22W/865 1CT	22	Yes	0.400	22.0	22	62
928026383070	MASTER TL-E Circular Super 80 32W/830 1CT	32	Yes	0.450	32.0	32	81
928026383074	MASTER TL-E Circular Super 80 32W/830 1CT	32	Yes	0.450	32.0	32	81
928026384020	MASTER TL-E Circular Super 80 32W/840 1CT	32	Yes	0.450	32.0	32	81
928026384070	MASTER TL-E Circular Super 80 32W/840 1CT	32	Yes	0.450	32.0	32	81
928026384074	MASTER TL-E Circular Super 80 32W/840 1CT	32	Yes	0.450	32.0	32	81
928026386520	MASTER TL-E Circular Super 80 32W/865 1CT	32	Yes	0.450	32.0	32	81
928026386570	MASTER TL-E Circular Super 80 32W/865 1CT	32	Yes	0.450	32.0	32	81
928026386574	MASTER TL-E Circular Super 80 32W/865 1CT	32	Yes	0.450	32.0	32	81
928027483070	MASTER TL-E Circular Super 80 40W/830 1CT	40	Yes	0.420	40.0	40	110

Order code	Full product name	Lamp Wattage	Dimmable	Lamp Current EM 25°C	Lamp Wattage EM 25°C, Rated	Lamp Wattage EM 25°C, Nominal	Lamp Voltage EM 25°C
928027484020	MASTER TL-E Circular Super 80 40W/840 1CT	40	Yes	0.420	40.0	40	110
928027484070	MASTER TL-E Circular Super 80 40W/840 1CT	40	Yes	0.420	40.0	40	110
928027486520	MASTER TL-E Circular Super 80 40W/865 1CT	40	Yes	0.420	40.0	40	110
928027486570	MASTER TL-E Circular Super 80 40W/865 1CT	40	Yes	0.420	40.0	40	110

## Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content
928026284020	MASTER TL-E Circular Super 80 22W/840 1CT	B	30
928026284070	MASTER TL-E Circular Super 80 22W/840 1CT	B	30
928026286520	MASTER TL-E Circular Super 80 22W/865 1CT	B	30
928026286570	MASTER TL-E Circular Super 80 22W/865 1CT	B	30
928026383070	MASTER TL-E Circular Super 80 32W/830 1CT	B	30
928026383074	MASTER TL-E Circular Super 80 32W/830 1CT	B	30
928026384020	MASTER TL-E Circular Super 80 32W/840 1CT	B	30
928026384070	MASTER TL-E Circular Super 80 32W/840 1CT	B	30
928026384074	MASTER TL-E Circular Super 80 32W/840 1CT	B	30
928026386520	MASTER TL-E Circular Super 80 32W/865 1CT	B	30

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content
928026386570	MASTER TL-E Circular Super 80 32W/865 1CT	B	30
928026386574	MASTER TL-E Circular Super 80 32W/865 1CT	B	30
928027483070	MASTER TL-E Circular Super 80 40W/830 1CT	B	30
928027484020	MASTER TL-E Circular Super 80 40W/840 1CT	B	30
928027484070	MASTER TL-E Circular Super 80 40W/840 1CT	B	30
928027486520	MASTER TL-E Circular Super 80 40W/865 1CT	B	30
928027486570	MASTER TL-E Circular Super 80 40W/865 1CT	B	30



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