

# Efficient fluorescent lighting with improved color rendering

## TL-D consumer products

The lamp can be operated in existing TL-D luminaire and is available in a wide range of wattages and colors.

### Benefits

- Good color rendering
- High energy efficiency and lumen maintenance
- Long lifetime
- Create atmospheres from warm white to cool daylight

### Features

- Highly efficient 3-band fluorescent coating
- Low mercury dose
- Can be used with conventional or electronic gear

### Application

- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps.

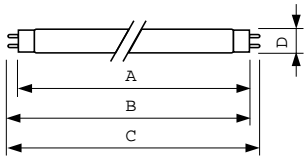
# TL-D consumer products

## Versions



G13, T8

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL-D 16W/827 1PP/10	28 mm	720.0 mm	727.1 mm	724.7 mm	734.2 mm
TL-D 18W/827 1PP/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 15W/827 1PP/10	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
TL-D 58W/865 1PP/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 58W/840 1PP/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 58W/830 1PP/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 58W/827 1PP/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 36W/865 1PP/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 36W/840 1PP/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 36W/830 1PP/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 36W/827 1PP/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 30W/840 1PP/10	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 30W/830 1PP/10	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 30W/827 1PP/10	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 18W/865 1PP/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 18W/840 1PP/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 18W/830 1PP/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 15W/840 1PP/10	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm

## TL-D consumer products

### Approval and Application

Mercury (Hg) Content (Nom)	2.0 mg
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### Controls and Dimming

Dimmable	Yes
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### General Information

Cap-Base	G13
Life To 50% Failures Preheat (Nom)	20000 h
Life To 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 2000 h Rated	99 %
LSF 20000 h Rated	2 %

### Light Technical

LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %

### Mechanical and Housing

Bulb Shape	T8
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### Temperature

Design Temperature (Nom)	25 °C
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### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
927920082719	TL-D 18W/827 1PP/10	22 kWh	A
927920083022	TL-D 18W/830 1PP/10	22 kWh	A
927920084022	TL-D 18W/840 1PP/10	22 kWh	A
927920086522	TL-D 18W/865 1PP/10	22 kWh	A
927920582719	TL-D 30W/827 1PP/10	36 kWh	A
927920583019	TL-D 30W/830 1PP/10	36 kWh	A
927920584019	TL-D 30W/840 1PP/10	36 kWh	A
927921082719	TL-D 36W/827 1PP/10	42 kWh	A
927921083022	TL-D 36W/830 1PP/10	42 kWh	A
927921084022	TL-D 36W/840 1PP/10	42 kWh	A
927921086513	TL-D 36W/865 1PP/10	42 kWh	A
927922082719	TL-D 58W/827 1PP/10	68 kWh	A
927922083022	TL-D 58W/830 1PP/10	68 kWh	A
927922084022	TL-D 58W/840 1PP/10	68 kWh	A
927922086513	TL-D 58W/865 1PP/10	68 kWh	A
927922282766	TL-D 15W/827 1PP/10	19 kWh	B
927922284066	TL-D 15W/840 1PP/10	19 kWh	B
928024982766	TL-D 16W/827 1PP/10	20 kWh	A

### Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927920082719	TL-D 18W/827 1PP/10	0.360 A	18.0 W	927921084022	TL-D 36W/840 1PP/10	0.440 A	36.0 W
927920083022	TL-D 18W/830 1PP/10	0.360 A	18.0 W	927921086513	TL-D 36W/865 1PP/10	0.440 A	36.0 W
927920084022	TL-D 18W/840 1PP/10	0.360 A	18 W	927922082719	TL-D 58W/827 1PP/10	0.670 A	58.5 W
927920086522	TL-D 18W/865 1PP/10	0.360 A	18.0 W	927922083022	TL-D 58W/830 1PP/10	0.670 A	58.5 W
927920582719	TL-D 30W/827 1PP/10	0.360 A	30.0 W	927922084022	TL-D 58W/840 1PP/10	0.670 A	58.5 W
927920583019	TL-D 30W/830 1PP/10	0.360 A	30.0 W	927922086513	TL-D 58W/865 1PP/10	0.670 A	58.5 W
927920584019	TL-D 30W/840 1PP/10	0.360 A	30.0 W	927922282766	TL-D 15W/827 1PP/10	0.340 A	15.0 W
927921082719	TL-D 36W/827 1PP/10	0.440 A	36.0 W	927922284066	TL-D 15W/840 1PP/10	0.335 A	15.0 W
927921083022	TL-D 36W/830 1PP/10	0.440 A	36.0 W	928024982766	TL-D 16W/827 1PP/10	0.200 A	16 W

### General Information

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h	Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated			Rated	Rated	Rated
927920082719	TL-D 18W/827 1PP/10	99 %	99 %	99 %	927920582719	TL-D 30W/827 1PP/10	97 %	96 %	95 %
927920083022	TL-D 18W/830 1PP/10	99 %	99 %	99 %	927920583019	TL-D 30W/830 1PP/10	99 %	99 %	99 %
927920084022	TL-D 18W/840 1PP/10	99 %	99 %	99 %	927920584019	TL-D 30W/840 1PP/10	99 %	99 %	99 %
927920086522	TL-D 18W/865 1PP/10	99 %	99 %	99 %	927921082719	TL-D 36W/827 1PP/10	99 %	99 %	99 %

## TL-D consumer products

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated
927921083022	TL-D 36W/830 1PP/10	99 %	99 %	99 %
927921084022	TL-D 36W/840 1PP/10	99 %	99 %	99 %
927921086513	TL-D 36W/865 1PP/10	99 %	99 %	99 %
927922082719	TL-D 58W/827 1PP/10	99 %	99 %	99 %
927922083022	TL-D 58W/830 1PP/10	99 %	99 %	99 %

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated
927922084022	TL-D 58W/840 1PP/10	99 %	99 %	99 %
927922086513	TL-D 58W/865 1PP/10	99 %	99 %	99 %
927922282766	TL-D 15W/827 1PP/10	99 %	99 %	99 %
927922284066	TL-D 15W/840 1PP/10	99 %	99 %	99 %
928024982766	TL-D 16W/827 1PP/10	99 %	99 %	99 %

### Light Technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature	Color Rendering Index
				(Nom)	(Nom)
927920082719	TL-D 18W/827 1PP/10	827	Incandescent White	2700 K	>80
927920083022	TL-D 18W/830 1PP/10	830	Warm White (WW)	3000 K	>80
927920084022	TL-D 18W/840 1PP/10	840	Cool White (CW)	4000 K	>80
927920086522	TL-D 18W/865 1PP/10	865	Cool Daylight	6500 K	85
927920582719	TL-D 30W/827 1PP/10	827	Incandescent White	2700 K	>80
927920583019	TL-D 30W/830 1PP/10	830	Warm White (WW)	3000 K	>80
927920584019	TL-D 30W/840 1PP/10	840	Cool White (CW)	4000 K	>80
927921082719	TL-D 36W/827 1PP/10	827	Incandescent White	2700 K	>80
927921083022	TL-D 36W/830 1PP/10	830	Warm White (WW)	3000 K	>80
927921084022	TL-D 36W/840 1PP/10	840	Cool White (CW)	4000 K	>80

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature	Color Rendering Index
				(Nom)	(Nom)
927921086513	TL-D 36W/865 1PP/10	865	Cool Daylight	6500 K	85
927922082719	TL-D 58W/827 1PP/10	827	Incandescent White	2700 K	>80
927922083022	TL-D 58W/830 1PP/10	830	Warm White (WW)	3000 K	>80
927922084022	TL-D 58W/840 1PP/10	840	Cool White (CW)	4000 K	>80
927922086513	TL-D 58W/865 1PP/10	865	Cool Daylight	6500 K	85
927922282766	TL-D 15W/827 1PP/10	827	Incandescent White	2700 K	>80
927922284066	TL-D 15W/840 1PP/10	840	Cool White (CW)	4000 K	>80
928024982766	TL-D 16W/827 1PP/10	827	Incandescent White	2700 K	>80

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		(Nom)	(Nom)	(Nom)
927920082719	TL-D 18W/827 1PP/10	75 lm/W	1350 lm	1350 lm
927920083022	TL-D 18W/830 1PP/10	75 lm/W	1350 lm	1350 lm
927920084022	TL-D 18W/840 1PP/10	75 lm/W	1350 lm	1350 lm
927920086522	TL-D 18W/865 1PP/10	68 lm/W	1300 lm	1300 lm

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		(Nom)	(Nom)	(Nom)
927920582719	TL-D 30W/827 1PP/10	80 lm/W	2400 lm	2400 lm
927920583019	TL-D 30W/830 1PP/10	80 lm/W	2400 lm	2400 lm
927920584019	TL-D 30W/840 1PP/10	80 lm/W	2400 lm	2400 lm
927921082719	TL-D 36W/827 1PP/10	93 lm/W	3350 lm	3350 lm

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Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927921083022	TL-D 36W/830 1PP/10	93 lm/W	3350 lm	3350 lm
927921084022	TL-D 36W/840 1PP/10	93 lm/W	3350 lm	3350 lm
927921086513	TL-D 36W/865 1PP/10	84 lm/W	3250 lm	3250 lm
927922082719	TL-D 58W/827 1PP/10	90 lm/W	5240 lm	5240 lm
927922083022	TL-D 58W/830 1PP/10	90 lm/W	5240 lm	5240 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927922084022	TL-D 58W/840 1PP/10	90 lm/W	5240 lm	5240 lm
927922086513	TL-D 58W/865 1PP/10	81 lm/W	5000 lm	5000 lm
927922282766	TL-D 15W/827 1PP/10	67 lm/W	1000 lm	1000 lm
927922284066	TL-D 15W/840 1PP/10	67 lm/W	1000 lm	1000 lm
928024982766	TL-D 16W/827 1PP/10	75 lm/W	1200 lm	1200 lm

