



Efficient fluorescent lighting with improved color rendering

TL-D LIFEMAX Super 80

The TL-D LIFEMAX Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp can be operated in existing TL-D luminaires.

Benefits

- Good color rendering
- Relatively high efficacy, both initially and during lamp lifetime, with high lumen maintenance
- Create atmospheres from warm white to cool daylight

Features

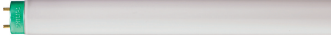
- Highly efficient 3-band fluorescent coating
- High initial light output compared with standard colors
- Low mercury dose
- Can be used with conventional or electronic gear
- Higher efficacy is achieved with electronic gear

Application

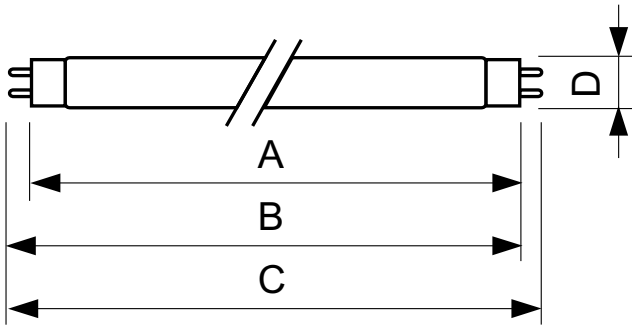
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

TL-D LIFEMAX Super 80

Versions



Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL-D 36W/840 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 36W/830 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 18W/830 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 18W/865 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 30W/830 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 36W/865 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 58W/865 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 58W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 18W/827 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 30W/840 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 30W/865 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TL-D 36W/827 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

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)	10000 h

Light Technical

Lumen Maintenance 2000 h (Nom)	96 %
Lumen Maintenance 5000 h (Nom)	94 %

Mechanical and Housing

Bulb Shape	T8
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Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927980282736	TL-D 18W/827 1SL/25	0.360 A	59 V	18 W
927980283036	TL-D 18W/830 1SL/25	0.360 A	59 V	18 W
927980284036	TL-D 18W/840 1SL/25	0.360 A	59 V	18 W
927980286536	TL-D 18W/865 1SL/25	0.360 A	59 V	18 W
927981283036	TL-D 30W/830 1SL/25	0.360 A	98 V	30 W
927981284036	TL-D 30W/840 1SL/25	0.360 A	98 V	30 W
927981286536	TL-D 30W/865 1SL/25	0.360 A	98 V	30 W
927982282736	TL-D 36W/827 1SL/25	0.440 A	103 V	36 W
927982283036	TL-D 36W/830 1SL/25	0.440 A	103 V	36 W
927982284036	TL-D 36W/840 1SL/25	0.440 A	103 V	36 W
927982286536	TL-D 36W/865 1SL/25	0.440 A	103 V	36 W
927983284036	TL-D 58W/840 1SL/25	0.670 A	111 V	58.5 W
927983286536	TL-D 58W/865 1SL/25	0.670 A	111 V	58.5 W

General Information

TL-D LIFEMAX Super 80

Order Code	Full Product Name	Life To 50% Failures (Nom)
927980282736	TL-D 18W/827 1SL/25	13000 h
927980283036	TL-D 18W/830 1SL/25	13000 h
927980284036	TL-D 18W/840 1SL/25	13000 h
927980286536	TL-D 18W/865 1SL/25	13000 h
927981283036	TL-D 30W/830 1SL/25	13000 h
927981284036	TL-D 30W/840 1SL/25	13000 h
927981286536	TL-D 30W/865 1SL/25	13000 h

Order Code	Full Product Name	Life To 50% Failures (Nom)
927982282736	TL-D 36W/827 1SL/25	15000 h
927982283036	TL-D 36W/830 1SL/25	15000 h
927982284036	TL-D 36W/840 1SL/25	15000 h
927982286536	TL-D 36W/865 1SL/25	15000 h
927983284036	TL-D 58W/840 1SL/25	15000 h
927983286536	TL-D 58W/865 1SL/25	15000 h

Light Technical (1/2)

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour	Colour Rendering
				Temperature (Nom)	Index (Nom)
927980282736	TL-D 18W/827 1SL/25	827	Incandescent White	2700 K	82
927980283036	TL-D 18W/830 1SL/25	830	Warm white (WW)	3000 K	83
927980284036	TL-D 18W/840 1SL/25	840	Cool White (CW)	4000 K	82
927980286536	TL-D 18W/865 1SL/25	865	Cool Daylight	6500 K	80
927981283036	TL-D 30W/830 1SL/25	830	Warm white (WW)	3000 K	83
927981284036	TL-D 30W/840 1SL/25	840	Cool White (CW)	4000 K	82
927981286536	TL-D 30W/865 1SL/25	865	Cool Daylight	6500 K	80

Order Code	Full Product Name	Colour Code	Colour Designation	Correlated Colour	Colour Rendering
				Temperature (Nom)	Index (Nom)
927982282736	TL-D 36W/827 1SL/25	827	Incandescent White	2700 K	82
927982283036	TL-D 36W/830 1SL/25	830	Warm white (WW)	3000 K	83
927982284036	TL-D 36W/840 1SL/25	840	Cool White (CW)	4000 K	82
927982286536	TL-D 36W/865 1SL/25	865	Cool Daylight	6500 K	80
927983284036	TL-D 58W/840 1SL/25	840	Cool White (CW)	4000 K	82
927983286536	TL-D 58W/865 1SL/25	865	Cool Daylight	6500 K	80

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
927980282736	TL-D 18W/827 1SL/25	75 lm/W	1350 lm
927980283036	TL-D 18W/830 1SL/25	75 lm/W	1350 lm
927980284036	TL-D 18W/840 1SL/25	75 lm/W	1350 lm
927980286536	TL-D 18W/865 1SL/25	71 lm/W	1275 lm
927981283036	TL-D 30W/830 1SL/25	80 lm/W	2400 lm
927981284036	TL-D 30W/840 1SL/25	80 lm/W	2400 lm
927981286536	TL-D 30W/865 1SL/25	77 lm/W	2300 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
927982282736	TL-D 36W/827 1SL/25	90 lm/W	3250 lm
927982283036	TL-D 36W/830 1SL/25	90 lm/W	3250 lm
927982284036	TL-D 36W/840 1SL/25	90 lm/W	3250 lm
927982286536	TL-D 36W/865 1SL/25	85 lm/W	3070 lm
927983284036	TL-D 58W/840 1SL/25	88 lm/W	5150 lm
927983286536	TL-D 58W/865 1SL/25	82 lm/W	4800 lm

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