



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

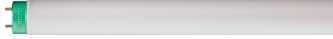
- Highly efficient 3-band fluorescent coating
- High initial light output compared with standard colors
- Low mercury dose
- Can be used with conventional or electronic gear
- Higher efficacy is achieved with electronic gear

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.

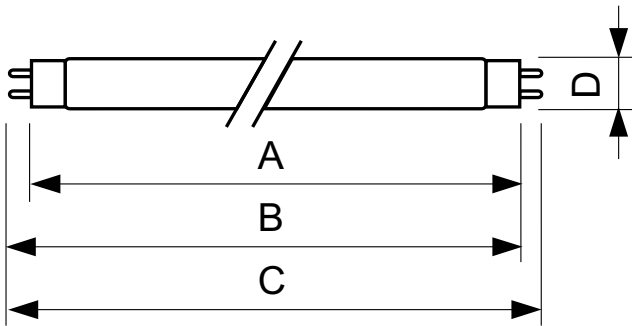
TL-D LIFEMAX Super 80

Versions



G13, T8

Dimensional drawing



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

TL-D LIFEMAX Super 80

Controls and Dimming	
Dimmable	Yes
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

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927980282736	TL-D 18W/827 1SL/25	2.0 mg
927980283036	TL-D 18W/830 1SL/25	2.0 mg
927980283040	TL-D 18W/830 1SL/25	2.0 mg
927980283053	TL-D 18W/830 1SL/25	2.0 mg
927980284036	TL-D 18W/840 1SL/25	2.0 mg
927980284040	TL-D 18W/840 1SL/25	2.0 mg
927980284053	TL-D 18W/840 1SL/25	2.0 mg
927980286536	TL-D 18W/865 1SL/25	2.0 mg
927980286553	TL-D 18W/865 1SL/25	2.0 mg
927981283036	TL-D 30W/830 1SL/25	2.0 mg
927981284036	TL-D 30W/840 1SL/25	2.0 mg
927981286536	TL-D 30W/865 1SL/25	2.0 mg

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927982282736	TL-D 36W/827 1SL/25	2.0 mg
927982283036	TL-D 36W/830 1SL/25	2.0 mg
927982283040	TL-D 36W/830 1SL/25	2.0 mg
927982283053	TL-D 36W/830 1SL/25	2.0 mg
927982284036	TL-D 36W/840 1SL/25	2.0 mg
927982284040	TL-D 36W/840 1SL/25	2.0 mg
927982284053	TL-D 36W/840 1SL/25	2.0 mg
927982286536	TL-D 36W/865 1SL/25	2.0 mg
927982286553	TL-D 36W/865 1SL/25	2.0 mg
927983284036	TL-D 58W/840 1SL/25	2.0 mg
927983286536	TL-D 58W/865 1SL/25	2.0 mg
927984386585	TL-D 36W/865 1SL/25	2 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(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
927980283040	TL-D 18W/830 1SL/25	0.360 A	59 V	18 W
927980283053	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
927980284040	TL-D 18W/840 1SL/25	0.360 A	59 V	18 W
927980284053	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
927980286553	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

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
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
927982283040	TL-D 36W/830 1SL/25	0.440 A	103 V	36 W
927982283053	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
927982284040	TL-D 36W/840 1SL/25	0.440 A	103 V	36 W
927982284053	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
927982286553	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
927984386585	TL-D 36W/865 1SL/25	0.440 A	103 V	36 W

General Information

Order Code	Full Product Name	Life To 50% Failures (Nom)
927980282736	TL-D 18W/827 1SL/25	13000 h

Order Code	Full Product Name	Life To 50% Failures (Nom)
927980283036	TL-D 18W/830 1SL/25	13000 h

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Order Code	Full Product Name	Life To 50% Failures (Nom)
927980283040	TL-D 18W/830 1SL/25	13000 h
927980283053	TL-D 18W/830 1SL/25	13000 h
927980284036	TL-D 18W/840 1SL/25	13000 h
927980284040	TL-D 18W/840 1SL/25	13000 h
927980284053	TL-D 18W/840 1SL/25	13000 h
927980286536	TL-D 18W/865 1SL/25	13000 h
927980286553	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
927982282736	TL-D 36W/827 1SL/25	15000 h

Order Code	Full Product Name	Life To 50% Failures (Nom)
927982283036	TL-D 36W/830 1SL/25	15000 h
927982283040	TL-D 36W/830 1SL/25	15000 h
927982283053	TL-D 36W/830 1SL/25	15000 h
927982284036	TL-D 36W/840 1SL/25	15000 h
927982284040	TL-D 36W/840 1SL/25	15000 h
927982284053	TL-D 36W/840 1SL/25	15000 h
927982286536	TL-D 36W/865 1SL/25	15000 h
927982286553	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
927984386585	TL-D 36W/865 1SL/25	15000 h

Light Technical

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color		Color Rendering	Luminous Efficacy (rated)	Luminous Flux (Rated)
				Temperature (Nom)	Index (Nom)	(Nom)	(Nom)	
927980282736	TL-D 18W/827 1SL/25	827	Incandescent White	2700 K	82	75 lm/W	1350 lm	
927980283036	TL-D 18W/830 1SL/25	830	Warm White (WW)	3000 K	83	75 lm/W	1350 lm	
927980283040	TL-D 18W/830 1SL/25	830	Warm White (WW)	3000 K	83	75 lm/W	1350 lm	
927980283053	TL-D 18W/830 1SL/25	830	Warm White (WW)	3000 K	83	75 lm/W	1350 lm	
927980284036	TL-D 18W/840 1SL/25	840	Cool White (CW)	4000 K	82	75 lm/W	1350 lm	
927980284040	TL-D 18W/840 1SL/25	840	Cool White (CW)	4000 K	82	75 lm/W	1350 lm	
927980284053	TL-D 18W/840 1SL/25	840	Cool White (CW)	4000 K	82	75 lm/W	1350 lm	
927980286536	TL-D 18W/865 1SL/25	865	Cool Daylight	6500 K	80	71 lm/W	1275 lm	
927980286553	TL-D 18W/865 1SL/25	865	Cool Daylight	6500 K	80	71 lm/W	1275 lm	
927981283036	TL-D 30W/830 1SL/25	830	Warm White (WW)	3000 K	83	80 lm/W	2400 lm	
927981284036	TL-D 30W/840 1SL/25	840	Cool White (CW)	4000 K	82	80 lm/W	2400 lm	
927981286536	TL-D 30W/865 1SL/25	865	Cool Daylight	6500 K	80	77 lm/W	2300 lm	
927982282736	TL-D 36W/827 1SL/25	827	Incandescent White	2700 K	82	90 lm/W	3250 lm	
927982283036	TL-D 36W/830 1SL/25	830	Warm White (WW)	3000 K	83	90 lm/W	3250 lm	
927982283040	TL-D 36W/830 1SL/25	830	Warm White (WW)	3000 K	83	90 lm/W	3250 lm	
927982283053	TL-D 36W/830 1SL/25	830	Warm White (WW)	3000 K	83	90 lm/W	3250 lm	
927982284036	TL-D 36W/840 1SL/25	840	Cool White (CW)	4000 K	82	90 lm/W	3250 lm	
927982284040	TL-D 36W/840 1SL/25	840	Cool White (CW)	4000 K	82	90 lm/W	3250 lm	
927982284053	TL-D 36W/840 1SL/25	840	Cool White (CW)	4000 K	82	90 lm/W	3250 lm	
927982286536	TL-D 36W/865 1SL/25	865	Cool Daylight	6500 K	80	85 lm/W	3070 lm	
927982286553	TL-D 36W/865 1SL/25	865	Cool Daylight	6500 K	80	85 lm/W	3070 lm	
927983284036	TL-D 58W/840 1SL/25	840	Cool White (CW)	4000 K	82	88 lm/W	5150 lm	
927983286536	TL-D 58W/865 1SL/25	865	Cool Daylight	6500 K	80	82 lm/W	4800 lm	
927984386585	TL-D 36W/865 1SL/25	865	Cool Daylight	6500 K	80	85 lm/W	3250 lm	

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