

# SubstiTUBE® DULUX® L LED TT5 Lamps

Compatible with instant start electronic DL40 ballasts



## Key Features & Benefits

- Optimized glass optics
- CCT: 3000K, 3500K, 4100K
- Compatible with instant start electronic DL40 ballasts
- THD <20%, power factor >0.90
- 2G11 four pin base
- Long life: 50,000 hour life (L<sub>70</sub>)
- 5-year limited lamp warranty (24/7 operation)
- Non-dimmable
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- No UV emission
- Suitable for dry and damp locations (cannot come in direct contact with water)
- Maximize energy savings with occupancy sensors

Energy efficient 50,000 hour LED TT5 lamps providing instant light and a uniform light distribution with an optimized glass design. These lamps contain no mercury, provide instant light and a uniform light distribution. They are engineered to operate on existing instant start electronic DL40 ballasts.

## Product Offering

Description	Color Temperature	CRI
DULUX TT5	3000K, 3500K, 4100K	80+

## Application Information

### Applications

- Cove lighting
- General illumination

### Application Notes

1. Due to numerous ballast designs and topologies, this lamp should be tested on existing ballasts before mass quantities are installed.
2. Not intended for use with older dedicated voltage (120V or 277V) ballasts. These ballasts have electronic components that degrade over time and may become unsuitable for the new LED T8 lamp.
3. All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off. Lamps should be installed and operated in compliance with the National Electrical Code (NEC), Underwriters Laboratories Inc. (UL) requirements, and all applicable codes and regulations.
4. Insert and align tubes properly in lamp holders. Partial insertion results in a poor or intermittent electrical contact that can result in short lamp life and arcing. Arcing at the lamp holder can result in localized overheating.
5. For approved ballasts, de-lamp is allowed for only 1 lamp so long as the ballast factor remains below 1.20 (for example, 4 lamp ballast can de-lamp to 3 lamps).
6. Operating temperature range between -4°F and 122°F (-20°C and 50°C).
7. Suitable for use in dry and damp environments.
8. Maximum mounting distance between tube and ballast is 20 feet.
9. Please read all installation instructions before attempting installation.
10. For detailed warranty information, please see [www.sylvania.com](http://www.sylvania.com).

### Specifications and Certifications



## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

## Specifications

### Energy Data

**Ambient Operating Temperature:** -4°F to 122°F (-20°C to 50°C)

**EMI/RFI:** FCC Title 47 CFR, Part 18, Non-Consumer

**Max Case Temperature:** 140°F (60°C)

### Lighting Data

**Lumen Output:** See specification table (output is dependent on operating ballast)

**Lumens per Watt:** Up to 104 system efficacy

**Correlated Color Temperature (CCT):** 3000K, 3500K, 4100K

**Color Rendering Index (CRI):** 80+

**R9:** Up to 14

## Ordering Information

Item Number	Ordering Abbreviation	Bulb	Lamp Power (W)	Lamp Lumens (lm)	Color Temp.	CRI	Package Qty.
71180	LED17TT5/DL/FG/830/SUB/G6	DL (TT5)	17	2100	3000K	82	10
71181	LED17TT5/DL/FG/835/SUB/G6	DL (TT5)	17	2100	3500K	82	10
71182	LED17TT5/DL/FG/841/SUB/G6	DL (TT5)	17	2200	4100K	82	10

## Ordering Guide

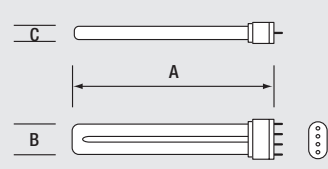
LED	17	TT5	/	DL	/	FG	/	8	41	/	SUB	/	G6
LED	Wattage	Single-Ended Twin-Tube Lamps	/	DULUX®	/	Frosted Glass	/	CRI 82	Color Temperature 30 = 3000K 35 = 3500K 41 = 4100K	/	SubstiTUBE®	/	Generation

## Specifications and Lighting Data

Lamp	Ballast	Current (AMPS)	System Power (W)	System Lumens (lm)	System Efficacy (lm/W)	No. of Lamps
LED17TT5/DL	QHE2x40DL/UNV ISN-SC	0.16 / 0.08	42	4400	105	2

## Lamp Dimensions

	(A) Max. Overall Length in. (mm)	(B) Width of Lamp in. (mm)	(C) Max. Bulb Diameter in. (mm)
LED17TT5/DL/FG	22.4 (570.0)	1.6 (40.0)	0.8 (20.0)



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