

SubstiTUBE® DULUX® L LED TT5 Lamps

Energy saving replacement for fluorescent FT40DL/25W & FT40DL/28W lamps



Key Features & Benefits

- Compatible with instant start electronic DL40 ballasts
- CCT: 3000K, 3500K & 4100K
- Long life: 50,000 hour life (L₇₀)
- 5-year limited lamp warranty (24/7 operation)
- Non-dimmable
- THD ≤20%, power factor >0.90
- 2G11 four pin base
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Suitable for dry and damp locations (cannot come in direct contact with water)
- Long life lowers maintenance costs
- Maximize energy savings with occupancy sensors
- Glass optical design to mimic traditional fluorescent DULUX TT5 lamp

Energy efficient 50,000 hour LED TT5 lamps providing instant light and a uniform light distribution with an optimized glass design. They are engineered to operate on existing instant start electronic DL40 ballasts.

Product Offering

Description	Color Temperature	CRI
DULUX TT5	3000K, 3500K, 4100K	82

Application Information

Applications

- Display case
- General illumination
- Hospitality
- Office
- Retail spaces

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 DULUX L TT5 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. No de-lamping is allowed on SubstiTUBE DULUX L TT5 product.
6. Operating temperature range between -4°F and 113°F (-20°C and 45°C).
7. Suitable for use in dry and damp environments (cannot come in direct contact with water).
8. Maximum mounting distance between tube and ballast is 16 feet.
9. Please read all installation instructions before attempting installation.
10. For detailed warranty information, please see www.sylvania.com.

Specifications and Certifications



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

Ambient Operating Temperature: -4°F to 113°F (-20°C to 45°C)
EMI/RFI: FCC Title 47 CFR, Part 18, Non-Consumer
Max Case Temperature: 149°F (65°C)

Lighting Data

Lumen Output: See specification table (output is dependent on operating ballast)
Lumens per Watt: Up to 124 LPW system efficacy
Correlated Color Temperature (CCT): 3000K, 3500K, 4100K
Color Rendering Index (CRI): 80+

Ordering Information

Item Number	Ordering Abbreviation	Lamp Type	Lamp Power (W)	Lamp Lumens (lm)	Color Temp.	CRI	Package Qty.	DLC (Y/N)
40100	LED17TT5/DL/FG/830/SUB/G8	DL (TT5)	17	2350	3000K	82	10	Y
40101	LED17TT5/DL/FG/835/SUB/G8	DL (TT5)	17	2350	3500K	82	10	Y
40102	LED17TT5/DL/FG/841/SUB/G8	DL (TT5)	17	2500	4100K	82	10	Y

Ordering Guide

LED	17	TT5	/	DL	/	FG	/	8	41	/	SUB	/	G8
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	0.35 / 0.15	42	5200	124	2

Lamp Dimensions

Lamp Description	Dimension	Max. inches (mm)
LED17TT5/DL/FG/8XX/SUB/G8	A (Face to Face)	22.20 (564)
	B (Face to Pin)	22.48 (571)
	C (Lamp Width)	1.55 (39.4)
	D (Lamp Outside Diameter)	0.68 (17.5)

Tc dimensions in mm

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