

Specification Sheet :

LED Light Engine - Light Plugz

Model: TLE012



Lamp Data:

Applications:

- Landscaping
- Spot Lighting
- Architectural Lighting
- Retail Display Case
- Mood Lighting
- Recessed Applications
- Commercial & Residential Applications



RoHS

Advanced Features:

- ETL Recognized Component (UL 8750)
- Long Life LEDs
- Easy Installation
- Superior Heat Management
- Minimal UV and Heat Emission onto Lit Surface
- Environmentally Friendly: No Lead, No Mercury
- Durable Solid State Construction: No Filaments To

Specifications:

LIGHT ENGINE	TLE0121	TLE0123	TLE0125
INPUT POWER	1.7W	3.4W	5.1W
DIAMETER	1.22" (3.10 cm)	1.22" (3.10 cm)	1.22" (3.10 cm)
THREAD	M26 X 29.8mm	M26 X 35.8mm	M26 X 52.3mm
MOL	1.85" (4.70 cm)	1.85" (4.70 cm)	2.5" (6.35 cm)
BASE	Lead Wire		
INPUT VOLTAGE	9-15V AC/DC		
INPUT FREQUENCY	50Hz/60Hz		
DIMMABILITY	3.5V-8V, Phase Modulation or Voltage Control		
LED TYPE	CREE		
BEAM ANGLE	40°		
LED LIFE RATING*	>35,000 Hours		
OPERATION TEMP.	-20°C to 50°C		
MAX. OPERATING CASE TEMP.	65°C		
IP RATING	67		
WARRANTY	2 Years		

* Based on LED Lamp Data

Photometric Specifications:

COLOR TEMPERATURE	CRI	TYPICAL OUTPUT		
		TLE0121	TLE0123	TLE0125
Cool White (6000°K)	75	95 lm	160 lm	260 lm
Natural White (4000°K)	75	85 lm	130 lm	220 lm
Warm White (2800°K)	80	70 lm	100 lm	170 lm

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 2 years from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham product catalog (www.fulham.com)

Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.

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Accessories:

Heat Sink Nuts

Heat Sink Nut sold separately.

- For 1W TLE*: 3-groove Heat Sink Nut
TLE-HSK3 (black) or TLE-HSK3S (silver)
- For 3W & 5W*: 5-groove Heat Sink Nut
TLE-HSK5 (black) or TLE-HSK5S (silver)

*HSK Nut is not designed to provide thermal management in most applications.

Acrylic Drop Lens and Cap

Lens: 2-inch (TL-OPT-000-001) & 4-inch (TL-OPT-000-002)

Cap: TLE-ALCAP

Custom Heat Sinks

Fulham will work with customers, using a third party design and manufacturing group, to design custom heat sinks.

Ordering Options:

BASE PART NUMBER	TLE012
WATTAGE	1 3 5
HOUSING COLOR	Silver: S Black: B White: W
LED COLOR	WW NW CW
LENS PATTERN	45°
LENS SURFACE	Flat: F
EXAMPLE	TLE0123BNW45F

Thermal Management Guideline:

Proper thermal dissipation is required for LED life and lumen output. A minimum of 25 cm per LED watt of surface area is recommended. Maximum operating case temperature not to exceed 65°C,

Mechanical Data:

