



LED Retrofit Kits for Ceiling-Mounted Luminaires

Retrofitting round ceiling-mounted fixtures with efficient LED technology has never been easier. Fulham ThoroLED™ **Retrofit Kits** are available with either 7-inch or 9-inch round, dimmable light engines to fit most standard fixtures. All required hardware and instructions are included. As **cULus Classified Kits**, they are suited for either OEM (factory*) or field retrofits. These kits are conveniently offered in a range of color temperatures.

- cULus Classified (field installable)
- Up to 3100 lm-Engine (9")
- Up to 1550 lm-Engine (7")
- 2700K-5000K @ 80 & 90CRI
- TRIAC Dimming
- 90 CRI for CA Title 24 available
- 50,000 Hr L70
- RoHS, FCC
- Suitable for ENERGY STAR® and DLC Compliance
- AC Input

**Thermally-
Tested for Fully
Enclosed and
Open Fixtures**

Product Benefits	
Labor: Fewer Lamp Changes/ Replacements	Security: Bolt-down Construction Prevents Loss
Material: Longer LED System Life	Investment Protection: Keep Your Current Fixtures
Utility: Reduced Energy Costs	Environmentalism: Less Waste Disposal

Common Specifications	
Input Voltage	120V AC; 50/60 Hz
Beam Angle	120°
CRI	80 Standard, 90 Available
Operating Ambient Temperature Range (Ta)	-35°C to +45°C
Maximum Case Temperature (Tc)	70°C Module; 90°C Driver
Estimated Lumen Maintenance (L70)	>50,000 hours at max Tc
Color Consistency	Binning per ANSI C78.377-2008; 7 SDCM
Maximum Screw Installation Torque	35 in-oz.
Safety/Compliance	Class 2 Lighting System; UL 1598C; RoHS Compliant
Warranty	5 years



	9" Engine Kit TKT 120 025RDXXX1 TKT 120 021RDXXX1	7" Engine Kit TKT 120 013RDXXX1
Nominal Input Power	25W/21W	13W
Max Lumen Output @ Full Power	2900/2325 lumens @ 4000K	1450 lumens @ 4000K
Overall Size	9" diameter x 1.75" height	7" diameter x 1.25" height
Weight	397 g	205 g
OEM Part Number for Light Engine Only (Available Separately as cURus component)	TET120025RDXXX1 TET120021RDXXX1	TET120013RDXXX1
OEM Part Number for LED Module Only (Available separately as cURus component)	TM80RD05XX201 TM64RD05XX201	TM40RD05XX201

TK T 120

ThoroLED
Kit

TRIAC
Dimming

120 Volt

021

LED Module
Rated Power
013 = 13WDC
021 = 21WDC
025 = 25WDC

RD

Round

30

Color
Temperature
Standard: 30 = 3000K 40 = 4000K
Custom: 27 = 2700K 35 = 3500K 50 = 5000K

0 1

Configuration
0 = Standard 80 CRI
1 = 90 CRI
2 = 80 CRI & Conformal
Coating (Outdoor)
3 = 90 CRI & Conformal
Coating (Outdoor)
Sequence /
Generation

(PART NUMBERING KEY)

Most Frequently Ordered	
TKT 120 013RD3001	7" Round 13 W 3000K 80CRI
TKT 120 021RD3001	9" Round 21 W 3000K 80CRI
TKT 120 025RD3001	9" Round 25 W 3000K 80CRI
TKT 120 013RD4001	7" Round 13 W 4000K 80CRI
TKT 120 021RD4001	9" Round 21 W 4000K 80CRI
TKT 120 025RD4001	9" Round 25 W 4000K 80CRI