

White Color Changing Direct Wire LED Tubes

T8/T12 Replacement for 120 VAC



- Dimmable**
- Single-ended direct wire power
- 50,000 hour lifetime
- Shatterproof polycarbonate construction
- 4 foot
- Use switch to change white color temperatures (4000K, 5000K or 6500K)

Toggled® White Color Changing direct wire LED tubes connect to building line power, eliminating fluorescent ballast systems and external drivers. Standard T8 and T12 fluorescent tube fixtures can be easily rewired to accommodate Toggled tubes, providing mercury-free, energy efficient, and zero-maintenance lighting.

Outstanding Product Performance

- Up to 60% energy savings over traditional fluorescent systems
- Eliminates ballasts and maintenance costs
- Designed for direct connection to building AC power, voltage 120 VAC
- Rapid payback for high-demand applications
- Tube operating temperature = -20 to 45° C
- Tube base type: G13 medium bi-pin

Superior Quality of Light

- Triangular tube shape delivers broader, more uniform light distribution
- Provides sufficient back lighting to eliminate “cave effect” in troffers
- Consistent color rendering, 80 CRI minimum
- IES LM-79, IES LM-80, IES TM-21 tested
- UL 1598C
- Limited* lifetime warranty (Residential)
- Limited* 6-year warranty (Commercial)
- 3-step MacAdam ellipse

Commercial-Grade

- Designed and engineered in U.S.A.
- Extreme temperature tolerant in cold and hot weather
- Shatterproof polycarbonate construction
- Suitable for damp locations - UL rated
- No mercury
- Built-in surge protection. ANSI/IEEE C62.41.1991

*Details at toggled.com/warranty ** Details at toggled.com/dim

Ordering Information

Series	Length	Power	CCT	Lens	Output	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
D = Dimmable	4 = 4 feet	16 = 16 Watts	3C = Color Changing	3 = Wide Angle	2 = Premium	1 = Dimming (Phase-Cut)



White Color Changing Direct Wire LED Tubes

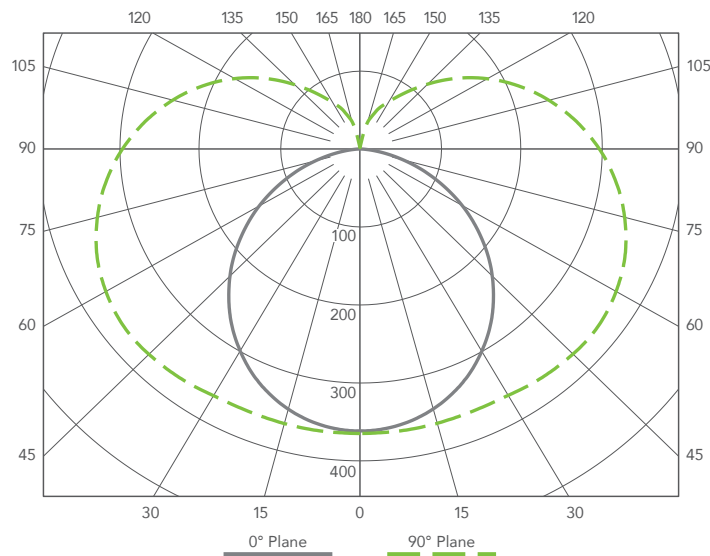
T8/T12 Replacement for 120 VAC



Model No.	Length	Input Voltage	Power (Watts)	Total Lumens	Efficacy	CRI	CCT	PF
D416-3C321	4 feet	120 VAC	16	2000	160	≥80	4000K, 5000K and 6500K	≥0.9

Photometrics

IES files available upon request



Disclaimer: Toggled reserves the right to make changes to specific items and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.