

A-Series High Output Direct Wire LED Tubes

T8/T12 Replacement for 120-277 VAC

- Superior light output – 3,100 lumens
- Universal voltage (120-277 VAC)
- Single-ended power, ballast bypass
- 50,000 hour lifetime
- Commercial grade construction
- 4000K and 5000K



toggled 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 120-277 VAC
- Rapid payback for high-demand applications
- Ideal for highbay applications like gymnasiums and warehouses
- Can be used for de-lamping, even in high efficiency T8 fixtures
- Tube operating temperature = -20 to 45° C

Superior Quality of Light

- Consistent color rendering, 80 CRI standard
- IES LM-79, IES LM-80, IES TM-21 tested
- UL 1598C
- Limited* 6-year commercial warranty
- 3-step MacAdam ellipse

Commercial-grade

- Designed and engineered in U.S.A.
- Extreme temperature tolerant in cold and hot weather
- Shatterproof construction
- Suitable for damp locations - UL rated
- No mercury

*Details at toggled.com/warranty

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"/> |
| A = Universal Voltage | 4 = 4 feet | 23 = 23 Watts | 40 = 4000K 50 = 5000K | 2 = Diffused | 3 = Ultra High | 0 = None |



A-Series High Output Direct Wire LED Tubes

T8/T12 Replacement for 120-277 VAC

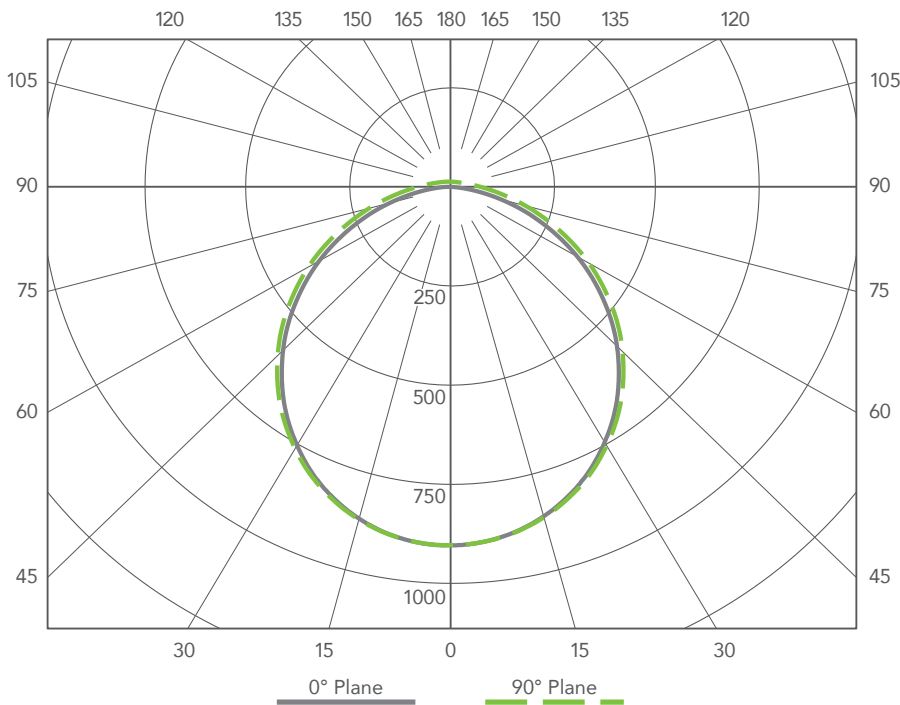


| Model No. | Length | Input Voltage | Power (Watts) | Total Lumens | Efficacy | CRI | CCT | PF | DLC Listed |
|------------|--------|---------------|---------------|--------------|----------|-----|-------|------|------------|
| A423-40230 | 4 feet | 120-277 VAC | 23 | 3100 | 135 | ≥80 | 4000K | ≥0.9 | ✓ |
| A423-50230 | 4 feet | 120-277 VAC | 23 | 3100 | 135 | ≥80 | 5000K | ≥0.9 | ✓ |

All DLC listed products meet version 4.3. Please consult designlights.org for current product listings.

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.