

DirectAC LED Retrofit Kit Engines











The simple, efficient LED solution for low-profile, dimmable applications



- AC Direct Drive on integrated LED board
- Universal voltage (120-277V) input
- Very low flicker, meets Title 24 requirements
- Smooth TRIAC/ELV dimming down to 10%
- High voltage barrier and 5VA rated lens
- Lower energy costs, longer lifespan than fluorescent
- Standard mounting holes for easy installation

DirectAC LED Retrofit Kit Engines provide a cost-efficient, reliable solution for wall sconces and ceiling luminaires. These innovative engines eliminate the need for an LED driver, creating a lower profile and simplifying installation. They are available in various power levels from 10-34W, with standard TRIAC/ELV dimming, a range of color temperatures, and CRI up to 90. These cURus and cULus Classified, ENERGY STAR® listed kits include installation hardware and labels, and are suitable for open or fully enclosed luminaires.

Specifications	
Input Voltage	UNV (120-277VAC)
Beam Angle	120°
Flicker Percentage	<30%
Operating Ambient Temperature Range (Ta)	-35°C to +50°C
Estimated Lumen Maintenance (L70)	L70 > 54,000hrs / L90 = 17,000hrs
PCB Material	MCPCB (for superior thermal management)
Lens Material	Optical Grade Polycarbonate (5VA Flame rated)
Safety/Compliance	cULus Classified, cURus, RoHS, ENERGY STAR Luminaire 2.0 Listed
Protections	Surge 2.5kV; Over temperature control
Warranty	5 Years @ Max Tc from the date of manufacture

Product Models								ENERGY STAR Listed*	ENERGY STAR CSD*
Model Number	Input Power	Max Lumens @4000K /80CRI	CRI	Available CCT	Dimensions	Shape			
TJTUNV010ACxxxB	10W	1065	Standard: 80 Also available: 90	Standard options: 3000K, 3500K, 4000K Also available: 2700K, 5000K	3.11" Dia. x 0.71" H	Circular			
TJTUNV015ACxxxB	15W	1680			5.08" Dia. x 0.69" H	Circular			
TJTUNV015ARxxxB	15W	1725			7.4" L x 4" W x 0.81" H	Rectangular			
TJTUNV023ACxxxB	23W	2540			6.97" Dia. x 0.81" H	Circular			
TJTUNV034ACxxxB	34W	3685			9.55" Dia. x 0.81" H	Circular			

* ENERGY STAR designations: Listed = Luminaire 2.0. CSD= Certified Subcomponent Database

Part Numbering Key				
<p>T J T UNV 010 A C X XX B</p> <p style="text-align: center;"> └─┬─┘ └─┘ └─┘ └─┬─┘ </p> <p style="text-align: center;"> Rated Input Power Shape CRI Color Temperature </p>				
LED Module Rated Power	010 = 10W	015 = 15W	023 = 23W	034 = 34W
Shape	C = Circular		R = Rectangular (for 15W model only)	
CRI	8 = Standard 80 CRI		9 = 90 CRI	
Color Temperature	Standard: 30 = 3000K, 35 = 3500K, 40 = 4000K		Custom: 27 = 2700K, 50 = 5000K	

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