

# DirectAC LED Engines


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



- Very low flicker, meets Title 24 requirements
- AC Direct Drive on integrated LED board
- 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 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. RoHS compliant, cURus recognized. cULus Retrofit Kits are also available, with select models listed ENERGY STAR® Luminaire 2.0.*

Specifications			
Input Voltage	120VAC; 50/60Hz	PCB Material	MCPCB (for superior thermal management)
Angle	120°	Lens Material	Optical Grade Polycarbonate (5VA Flame rated)
Flicker Percentage	<30%	Safety/Compliance	RoHS, cURus, ENERGY STAR Luminaire 2.0 Listed
CRI	80 standard, 90 available	Protections	Surge 2.5kV; Over temperature control
Operating Ambient Temperature Range (Ta)	-35°C to +50°C	Available Color Temperatures	Standard options: 2700K, 3000K, 4000K. Also available: 3500K, 5000K
Estimated Lumen Maintenance (L70)	50,000 hours	Warranty	5 Years @ Max Tc from the date of manufacture

Leading Edge (TRIAC) or Trailing Edge (ELV) Dimmable from 100% ~ 10%							
	Model Number	Input Power	Max Lumens @4000K /80CRI	Dimensions	Plate Shape		
<b>Standard Models</b>							
<b>Engine with lens</b> <ul style="list-style-type: none"> <li>UL Classified.</li> <li>ENERGY STAR Luminaire 2.0.</li> <li>Retrofit hardware and labels included.</li> <li>Suitable for glass or plastic diffusers, open or closed luminaires.</li> </ul>	TJT120010AC8xxB	10W	1035	3.11" Dia. x 0.71" H	Circular		
	TJT120015AC8xxB	15W	1575	5.08" Dia. x 0.69" H	Circular		✓
	TJT120023AC8xxB	23W	2300	6.97" Dia. x 0.81" H	Circular		✓
	TJT120034AC8xxB	34W	3465	9.55" Dia. x 0.81" H	Circular		✓
<b>Additional Models</b>							
<b>Engine Only</b> <ul style="list-style-type: none"> <li>Lead Time and Minimum Order Quantity applies.</li> <li>UL Recognized.</li> <li>Suitable for luminaires with glass lens, fully enclosed, that require a tool for the lens to be removed.</li> </ul>	TAT120010AC8xxA	10W	1110	2.95" Dia. x 0.45" H	Circular		
	TAT120015AC8xxA	15W	1695	4.92" Dia. x 0.43" H	Circular		
	TAT120023AC8xxA	23W	2470	6.69" Dia. x 0.53" H	Circular		
	TAT120034AC8xxA	34W	3725	9.29" Dia. x 0.53" H	Circular		
<b>Engine, lens and mounting plate (full retrofit kit)</b> <ul style="list-style-type: none"> <li>Lead Time and Minimum Order Quantity applies.</li> <li>UL Classified.</li> <li>ENERGY STAR Luminaire 2.0.</li> <li>Retrofit hardware and labels included.</li> <li>Suitable for glass or plastic diffusers, open or closed luminaires.</li> </ul>	TJT120010AS8xxC	10W	1035	3.5" W x 3.5" L x 0.79" H	Square		
	TJT120010AC8xxC	10W	1035	6.50" Dia. x 0.79" H	Circular		
	TJT120015AC8xxC	15W	1575	6.50" Dia. x 0.77" H	Circular		✓
	TJT120023AC8xxC	23W	2300	9.50" Dia. x 0.89" H	Circular		✓
	TJT120034AC8xxC	34W	3465	9.55" Dia. x 0.89" H	Circular		✓

Part Numbering Key			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <b>T</b> Type </div> <div style="text-align: center;"> <b>J</b> Type </div> <div style="text-align: center;"> <b>T</b> Type </div> <div style="text-align: center;"> <b>120</b> Input Voltage </div> <div style="text-align: center;"> <b>010</b> Rated Input Power </div> <div style="text-align: center;"> <b>A</b> Shape </div> <div style="text-align: center;"> <b>C</b> CRI </div> <div style="text-align: center;"> <b>X</b> CRI </div> <div style="text-align: center;"> <b>XX</b> Color Temperature </div> <div style="text-align: center;"> <b>X</b> Option </div> </div>			
Type	A = Light Engine		J = Retrofit Kit
Input Voltage	120 = 120 VAC		
LED Module Rated Power	010 = 10W	015 = 15W	023 = 23W      034 = 34W
Shape	C = Circular		S = Square (only for the 10W option)
CRI	8 = Standard 80 CRI		9 = 90 CRI
Color Temperature	Standard: 27 = 2700K, 30 = 3000K, 40 = 4000K		Custom: 35 = 3500K, 50 = 5000K
Option	A = Engine	B = Engine + Lens	
		C = Engine + Lens + Mounting Plate	

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North America • China • Europe • India • Latin America • Middle East

Fulham Headquarters: 12705 S. Van Ness Avenue, Hawthorne, CA 90250 Tel: +1 (323) 599-5000 Fax: +1 (323) 754-9060 • [order@fulham.com](mailto:order@fulham.com)

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