

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

Avant Garde
ARC™ XL 21W LED
T275L G2



PRODUCT DESCRIPTION

The ultra-efficient optical system of the Arc XL LED trac fixture maximizes efficiency while minimizing fixture depth, yielding a unique and attractive aesthetic. It exceeds the light output of 39W CMH lamps, utilizing less energy than similar CMH fixtures and offering up to 4 times the rated life. It is capable of delivering up to 2593 powerful lumens, yielding an efficacy of up to 125 lumens per watt. It is available in 2700K, 3000K, 3500K and 4000K color temperatures and 80 or 90 CRI versions. Optional SpectralWhite color/white enhancing versions offer CRI and Color Quality Scale (CQS) scores of 90+, rendering colors richly and making whites appear naturally brilliant. The Arc XL LED is available with or without louver to optimize visual cutoff; there is also a louver accessory that can be added at a later time if desired.



PRODUCT SPECIFICATIONS

Housing Robust die cast aluminum construction • Concealed wiring for a simplified, clean aesthetic • Computer designed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Available in white, black and silver painted finishes.

LED Single high performance LED array provides outstanding reliability, performance and color quality/consistency • Chromaticity range within a 3-step MacAdam Ellipse • White phosphor high brightness LEDs in 2700K, 3000K, 3500K or 4000K color temperatures • Exceptional 80 CRI minimum on a standard product • Optional high CRI versions offer 90 CRI minimum • Optional SpectralWhite color/white enhancing versions are available which make whites appear naturally brilliant and render colors more richly.

Driver Cleverly assembled in a separate housing behind the LED housing to minimize overall fixture footprint • Insulating air gap between driver and LED light engine optimizes thermal operation • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • FCC Part 15 Class B rated.

Dimming 120V versions are dimmable using high quality reverse phase ELV dimmers approved by Juno— see [T275LG2-DIM](#).

Optics Proprietary, interchangeable polycarbonate lenses available in three factory-configured beam spreads • One lens provided with fixture (as specified in catalog number) • Accessory lenses available to enable simple beam changes in the field.

Lensholder Standard lensholder minimizes overall fixture depth • Optional louver version retains lens and offers additional visual cutoff using a hexcell design • Louvered lensholder also available as a field-installed accessory.

Aiming 360° horizontal coverage • 90° vertical aiming capability • Concealed vertical aiming lock screw to secure fixture aiming.

Juno Universal Trac Adapter Universally compatible with both Trac-Master 1-circuit or 2-circuit trac, Trac-Lites trac, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Copper alloy contacts provide precise spring action – no arcing and will not take a set • True, positive electrical ground • On /off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures trac light to trac • Two-position power contact provided for two-circuit application.

Alternate TEK/HTEK Trac Adapter Compatible with either Juno TEK or HTEK trac systems • System specific and assembled to trac fixture • Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.

Alternate GTYPE Trac Adapter Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type) • System specific and assembled to trac fixture • Consult factory for additional information.

Alternate HTYPE Trac Adapter Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type) • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

Alternate LTYPE Trac Adapter Compatible with track systems which use a L-type track adapter • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

Labels UL and C-UL Listed • ENERGY STAR® certified • 90CRI versions are certified as CEC Title 24 Compliant • Union made • Assembled in U.S.A.

Buy American This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

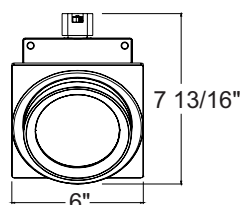
Warranty 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

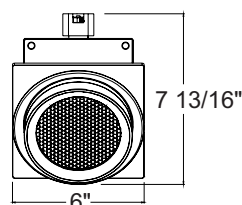
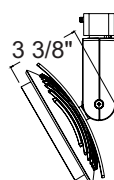
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

DIMENSIONS



Non-Louvered Version



Louvered Version



ConTech is a registered trademark of ConTech Lighting.

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ORDERING INFORMATION

Ordering Examples: T275L G2 30K 90CRI PDIM NFL WH, T275L TEK G2 30K 90CRI NFL BL

Series	Mounting Adapter Type	Generation	Color Temperature	Color Rendering Index	Dimming Compatibility
T275L 21W Arc XL LED	(Blank) Universal 120V Trac Adapter	G2 Generation 2	27K 2700K	80CRI 80 CRI 90CRI 90 CRI SPW SpectralWhite (30K or 35K only)	OFF ¹ On/Off (Non-Dimming) PDIM Phase Dimmable
	HTEK ¹ HTEK 277V Trac Adapter		30K 3000K		
	TEK TEK 120V Trac Adapter		35K 3500K		
	GTYPE G-Type Trac Adapter		40K 4000K		
	HTYPE H-Type Trac Adapter				
	LTYPE L-Type Trac Adapter				

Distribution	Finish	Factory-Installed Louver Option
SP Spot	BL Black	THCL2BL Hexcell Louver Assembly - Black
NFL Narrow Flood	SL Silver	THCL2SL Hexcell Louver Assembly - Silver
FL Flood	WH White	THCL2WH Hexcell Louver Assembly - White

Accessories			
THCL2BL	Hexcell Louver Assembly - Black	TLENS2 SPT	Polycarbonate Lens - Spot
THCL2SL	Hexcell Louver Assembly - Silver	TLENS2 NFLD	Polycarbonate Lens - Narrow Flood
THCL2WH	Hexcell Louver Assembly - White	TLENS2 FLD	Polycarbonate Lens - Flood

Notes:
¹ HTEK versions available with OFF option only, and OFF option only available with HTEK version only.

Other accessories can be found on specification sheet [D1.2.0](#).

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PERFORMANCE DATA¹

Catalog Number	Voltage	Input Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T275L G2 27K 80CRI SP	120V	20.7	2373	115	50,000
T275L G2 27K 80CRI NFL	120V	20.7	2364	114	50,000
T275L G2 27K 80CRI FL	120V	20.7	2360	114	50,000
T275L G2 27K 90CRI SP	120V	20.7	1957	95	50,000
T275L G2 27K 90CRI NFL	120V	20.7	1950	94	50,000
T275L G2 27K 90CRI FL	120V	20.7	1946	94	50,000
T275L G2 30K 80CRI SP	120V	20.7	2446	118	50,000
T275L G2 30K 80CRI NFL	120V	20.7	2437	118	50,000
T275L G2 30K 80CRI FL	120V	20.7	2433	118	50,000
T275L G2 30K 90CRI SP	120V	20.7	2030	98	50,000
T275L G2 30K 90CRI NFL	120V	20.7	2023	98	50,000
T275L G2 30K 90CRI FL	120V	20.7	2019	98	50,000
T275L G2 30K SPW SP	120V	20.7	2152	104	50,000
T275L G2 30K SPW NFL	120V	20.7	2145	104	50,000
T275L G2 30K SPW FL	120V	20.7	2141	103	50,000
T275L G2 35K 80CRI SP	120V	20.7	2519	122	50,000
T275L G2 35K 80CRI NFL	120V	20.7	2510	121	50,000
T275L G2 35K 80CRI FL	120V	20.7	2506	121	50,000
T275L G2 35K 90CRI SP	120V	20.7	2104	102	50,000
T275L G2 35K 90CRI NFL	120V	20.7	2096	101	50,000
T275L G2 35K 90CRI FL	120V	20.7	2092	101	50,000
T275L G2 35K SPW SP	120V	20.7	2201	106	50,000
T275L G2 35K SPW NFL	120V	20.7	2193	106	50,000
T275L G2 35K SPW FL	120V	20.7	2190	106	50,000
T275L G2 40K 80CRI SP	120V	20.7	2593	125	50,000
T275L G2 40K 80CRI NFL	120V	20.7	2583	125	50,000
T275L G2 40K 80CRI FL	120V	20.7	2579	125	50,000
T275L G2 40K 90CRI SP	120V	20.7	2177	105	50,000
T275L G2 40K 90CRI NFL	120V	20.7	2169	105	50,000
T275L G2 40K 90CRI FL	120V	20.7	2165	105	50,000

¹Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.

ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.19A
Power Factor	>0.90
T.H.D.	<20%

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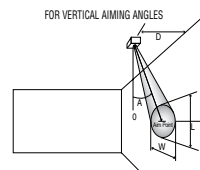
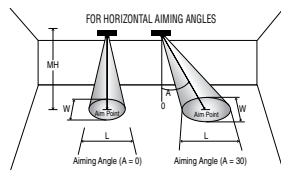
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CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).



Fixture	Beam Type	Beam Spread	Rated Life	CBCP	0°				30°			30°			45°			60°							
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
Arc XL 21W LED, 3000K, 80CRI Spot	SP	14°	50000	19698	8	308	1.9	1.9	200	2.6	2.2	4	154	6.9	4.0	1.9	435	4.0	2.0	1.4	6	355	3.5	1.9	1.7
					10	197	2.4	2.4	128	3.2	2.8	6	68	10.4	6.0	2.9	193	6.0	2.9	2.0	8	200	4.6	2.6	2.2
					12	137	2.9	2.9	89	3.9	3.3	8	38	13.9	8.0	3.8	109	8.0	3.9	2.7	10	128	5.8	3.2	2.8
					14	101	3.4	3.4	65	4.5	3.9	10	25	17.3	10.0	4.8	70	10.0	4.9	3.4	12	89	6.9	3.9	3.3
					16	77	3.8	3.8	50	5.2	4.4	12	17	20.8	12.1	5.8	48	12.0	5.9	4.1	14	65	8.1	4.5	3.9
Arc XL 21W LED, 3000K, 80CRI Narrow Flood	NFL	23°	50000	7865	4	492	1.6	1.6	319	2.2	1.9	2	246	3.5	3.7	1.6	695	2.0	1.7	1.2	4	319	2.3	2.2	1.9
					6	218	2.5	2.5	142	3.3	2.8	3	109	5.2	5.6	2.5	309	3.0	2.6	1.7	5	204	2.9	2.8	2.4
					8	123	3.3	3.3	80	4.4	3.8	4	61	6.9	7.5	3.3	174	4.0	3.4	2.3	6	142	3.5	3.3	2.8
					10	79	4.1	4.1	51	5.5	4.7	5	39	8.7	9.3	4.1	111	5.0	4.3	2.9	7	104	4.0	3.9	3.3
					12	55	4.9	4.9	35	6.6	5.7	6	27	10.4	11.2	4.9	77	6.0	5.1	3.5	8	80	4.6	4.4	3.8
Arc XL 21W LED, 3000K, 80CRI Flood	FL	40°	50000	4085	4	255	2.9	2.9	166	4.0	3.4	2	128	3.5	9.6	2.9	361	2.0	3.3	2.1	3	295	1.7	3.0	2.5
					5	163	3.6	3.6	106	5.1	4.2	2.5	82	4.3	12.0	3.6	231	2.5	4.2	2.6	4	166	2.3	4.0	3.4
					6	113	4.4	4.4	74	6.1	5.0	3	57	5.2	14.4	4.4	160	3.0	5.0	3.1	5	106	2.9	5.1	4.2
					7	83	5.1	5.1	54	7.1	5.9	3.5	42	6.1	16.8	5.1	118	3.5	5.9	3.6	6	74	3.5	6.1	5.0
					8	64	5.8	5.8	41	8.1	6.7	4	32	6.9	19.2	5.8	90	4.0	6.7	4.1	7	54	4.0	7.1	5.9

For 27K 80CRI fixtures, use 0.97 multiplier; for 27K 90CRI fixtures, use 0.80 multiplier; for 30K 90CRI fixtures, use 0.83 multiplier; for 35K 80CRI fixtures, use 1.03 multiplier; for 35K 90CRI fixtures, use 0.86 multiplier; for 40K 80CRI fixtures, use 1.06 multiplier; for 40K 90CRI fixtures, use 0.89 multiplier.