JUNO

TRAC-MASTER®

Avant Garde

ARC™ 13W LED

T271L

Project:

Fixture Type:

Location:

Contact/Phone:

PRODUCT DESCRIPTION

The ultra-efficient optical system of the Arc LED trac fixture maximizes efficiency while minimizing fixture depth, yielding a unique and attractive aesthetic. It approximates the light output and distribution of 60-75W PAR30 halogen lamps, utilizing about 20% of the energy and having a rated life of 50,000 hours. It is available in 2700K, 3000K, 3500K and 4000K color temperatures with a typical 85 CRI. Optional high CRI versions are available with a typical 92 CRI. There are also Enhanced Spectrum versions to bring out color depth in retail goods, artwork, etc. The Arc 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

Construction Die cast aluminum housing provides outstanding thermal management of LED, yielding 70% average lumen maintenance at 50,000 hours of operation • Fashionable, elegant design complements any decor • Available in white, black and silver painted finishes.

LED High performance LED array provides outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs • Chromaticity range within a 3-step MacAdam Ellipse • Exceptional 80 CRI minimum on a standard product • Optional high CRI versions offer 90 CRI minimum • Optional Enhanced Spectrum versions offer color quality scale (CQS) scores of 90+ to make colors pop.

Driver Concealed behind LED light engine housing to minimize overall fixture footprint • Insulating air gap between driver and LED light engine optimizes thermal operation • Provides quiet operation with or without dimming • Dimmable using high quality reverse phase electronic low voltage (ELV) dimmers – see T271L-DIM • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • Designed for greater than 50,000 hour operating life • FCC Certified to Part 15 Class B EMI standards.

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.

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 Trac Adapter Compatible with Juno TEK trac system • 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.

Aiming 360° horizontal coverage • 95° vertical aiming capability.

Labels UL and C-UL Listed • ENERGY STAR® certified and DesignLights Consortium® Qualified (80CRI versions only except THCL1 versions) • Union made • Assembled in U.S.A.

Warranty 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx. Specifications subject to change without notice.

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ORDERING INFORMATION

Ordering Examples: T271L 30K ES PDIM NFL WH, T271L TEK 30K ES NFL BL

Series	Mounting Adapter Type	Color Temperature	Color Rendering Index	Dimming Compatibility	Distribution
T271L 13W Arc LED	**Blank** Universal 120V Trac Adapter **TEK** TEK 120V Trac Adapter **GTYPE** G-Type Trac Adapter **HTYPE** H-Type Trac Adapter **LTYPE** L-Type Trac Adapter	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**80CRI** 80 CRI **90CRI** 90 CRI (2700K & 3000K only) **ES** Enhanced Spectrum (2700K & 3000K only)	**PDIM** Phase Dimmable	**SP** Spot **NFL** Narrow Flood **FL** Flood

Finish	Factory Installed Louvers
BL Black	**THCL1BL** Black
SL Silver	**THCL1SL** Silver
WH White	**THCL1WH** White

Accessories					
XBAFLBL 469[1]	Cross Baffle - Black	**DGF 469**[1]	Dichroic Glass Filters	**T40N**[3]	Monopoint Canopy
SNOOTBL 390	Snoot - Black	**DCCF 469**[1,2]	Dichroic Color Correction Filters	**THCL1BL**	Hexcell Louver Assembly - Black
SNOOTSL 390	Snoot - Silver	**UVF 469**[1]	UV Filter	**THCL1SL**	Hexcell Louver Assembly - Silver
SNOOTWH 390	Snoot - White	**DIFF 469**[1]	Diffusion Lens	**THCL1WH**	Hexcell Louver Assembly - White
EYEBROWBL 469[1]	Eyebrow - Black	**SOLITE 469**[1]	Uniformity Lens	**TLENS1 SPT**	Polycarbonate Lens - Spot
TBDR BLCK 440	Barn Doors - Black	**PRISM 469**[1]	Prismatic Spread Lens	**TLENS1 NFLD**	Polycarbonate Lens - Narrow Flood
CGF 469[1]	Color Glass Filters	**LSPREAD 469**[1]	Linear Spread Lens	**TLENS1 FLD**	Polycarbonate Lens - Flood

See specification sheet D1.2.2 for details.
Other accessories can be found on specification sheet D1.2.0.

Notes:
1 Filters, lenses, eyebrow and cross baffle require barn doors for installation.
2 DCCF 469 HAL2700 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.
3 Add finish code to complete catalog number (Example: T40N WH).

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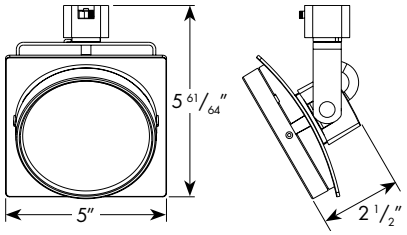
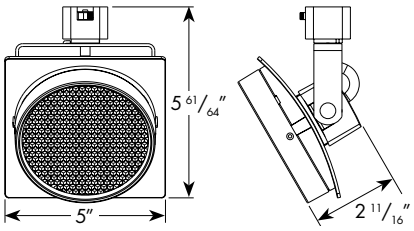
DIMENSIONS



Non-Louvered Version



Louvered Version

PERFORMANCE DATA[1]

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T271L 27K 80CRI SP	120V	13.2W	962	73	50,000
T271L 27K 80CRI NFL	120V	13.2W	954	72	50,000
T271L 27K 80CRI FL	120V	13.2W	947	72	50,000
T271L 27K 90CRI SP	120V	13.2W	833	63	50,000
T271L 27K 90CRI NFL	120V	13.2W	827	63	50,000
T271L 27K 90CRI FL	120V	13.2W	820	62	50,000
T271L 27K ES SP	120V	13.2W	595	45	50,000
T271L 27K ES NFL	120V	13.2W	590	45	50,000
T271L 27K ES FL	120V	13.2W	586	44	50,000
T271L 30K 80CRI SP	120V	13.2W	992	75	50,000
T271L 30K 80CRI NFL	120V	13.2W	984	75	50,000
T271L 30K 80CRI FL	120V	13.2W	976	74	50,000
T271L 30K 90CRI SP	120V	13.2W	873	66	50,000
T271L 30K 90CRI NFL	120V	13.2W	866	66	50,000
T271L 30K 90CRI FL	120V	13.2W	859	65	50,000
T271L 30K ES SP	120V	13.2W	615	47	50,000
T271L 30K ES NFL	120V	13.2W	610	46	50,000
T271L 30K ES FL	120V	13.2W	605	46	50,000
T271L 35K 80CRI SP	120V	13.2W	1022	77	50,000
T271L 35K 80CRI NFL	120V	13.2W	1014	77	50,000
T271L 35K 80CRI FL	120V	13.2W	1005	76	50,000
T271L 40K 80CRI SP	120V	13.2W	1061	80	50,000
T271L 40K 80CRI NFL	120V	13.2W	1053	80	50,000
T271L 40K 80CRI FL	120V	13.2W	1044	79	50,000

[1]Performance 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.)	0.14A
Power Factor	>0.80

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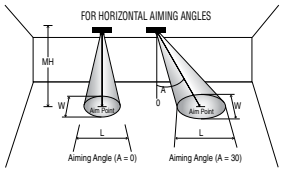
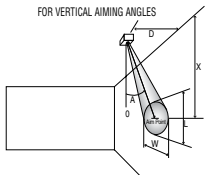
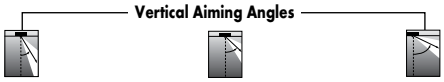
PHOTOMETRICS

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 13W LED, 3000K, 80CRI Spot	S	12°	50000	8852	6	246	1.3	1.3	160	1.7	1.4	4	69	6.9	3.4	1.7	196	4.0	1.7	1.2	6	160	3.5	1.7	1.4
					8	138	1.7	1.7	90	2.2	1.9	6	31	10.4	5.2	2.5	87	6.0	2.5	1.8	8	90	4.6	2.2	1.9
					10	89	2.1	2.1	57	2.8	2.4	8	17	13.9	6.9	3.3	49	8.0	3.4	2.4	10	57	5.8	2.8	2.4
					12	61	2.5	2.5	40	3.3	2.9	10	11	17.3	8.6	4.2	31	10.0	4.2	2.9	12	40	6.9	3.3	2.9
					14	45	2.9	2.9	29	3.9	3.4	12	8	20.8	10.3	5.0	22	12.0	5.1	3.5	14	29	8.1	3.9	3.4
Arc 13W LED, 3000K, 80CRI Narrow Flood	N	23°	50000	3302	4	206	1.6	1.6	134	2.2	1.9	2	103	3.5	3.7	1.6	292	2.0	1.7	1.2	4	134	2.3	2.2	1.9
					6	92	2.5	2.5	60	3.3	2.8	3	46	5.2	5.6	2.5	130	3.0	2.6	1.7	5	86	2.9	2.8	2.4
					8	52	3.3	3.3	34	4.4	3.8	4	26	6.9	7.5	3.3	73	4.0	3.4	2.3	6	60	3.5	3.3	2.8
					10	33	4.1	4.1	21	5.5	4.7	5	17	8.7	9.3	4.1	47	5.0	4.3	2.9	7	44	4.0	3.9	3.3
					12	23	4.9	4.9	15	6.6	5.7	6	11	10.4	11.2	4.9	32	6.0	5.1	3.5	8	34	4.6	4.4	3.8
Arc 13W LED, 3000K, 80CRI Flood	F	35°	50000	1831	3	203	1.9	1.9	132	2.6	2.2	1.5	102	2.6	5.5	1.9	288	1.5	2.1	1.3	2	297	1.2	1.8	1.5
					4	114	2.5	2.5	74	3.5	2.9	2	57	3.5	7.3	2.5	162	2.0	2.8	1.8	3	132	1.7	2.6	2.2
					5	73	3.2	3.2	48	4.4	3.7	2.5	37	4.3	9.1	3.2	104	2.5	3.5	2.2	4	74	2.3	3.5	2.9
					6	51	3.8	3.8	33	5.3	4.4	3	25	5.2	11.0	3.8	72	3.0	4.2	2.7	5	48	2.9	4.4	3.7
					7	37	4.5	4.5	24	6.1	5.1	3.5	19	6.1	12.8	4.5	53	3.5	5.0	3.1	6	33	3.5	5.3	4.4

For 2700K 80CRI fixtures, use 0.97 multiplier; For 2700K 90CRI fixtures, use 0.84 multiplier; For 2700K ES fixtures, use 0.60 multiplier; For 3000K 90CRI fixtures, use 0.88 multiplier; For 3000K ES fixtures, use 0.62 multiplier For 3500K 80CRI fixtures, use 1.03 multiplier; For 4000K 80CRI fixtures, use 1.07 multiplier.