JUNO

TRAC-MASTER®

Project:

Fixture Type:

Location:

Contact/Phone:

Avant Garde
ARC™ 13W LED
T271L

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 in 2700K or 3000K 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.

Arc 13W LED

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 85 CRI typical on a standard product • Optional high CRI 2700K and 3000K versions offer 92 CRI typical • Optional 2700K, 3000K and 3500K 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 – contact factory for a list of approved dimmers or to confirm compatibility with desired dimmer • 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 • Integral louver version retains lens and offers additional visual cutoff using a hexcell design • Finish of integral louver option matches fixture finish • Louvered lensholder also available as a field-installed accessory.

Adapter 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 fixture to trac • "Pull-up" contact to up position for two-circuit application.

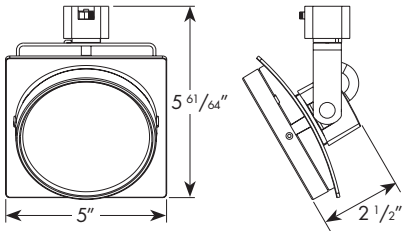
Aiming 360° horizontal coverage • 95° vertical aiming capability.

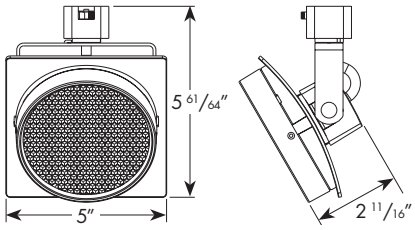
Labels UL and C-UL Listed • ENERGY STAR® Qualified and DesignLights Consortium® Qualified (except ES and HCL versions).

Warranty Warranty period is 5 years from date of purchase • Standard Juno Lighting Group product guarantee terms and conditions apply.

Product specifications subject to change without notice.

DIMENSIONS





Louvered Version

ACCESSORIES

Cat. No.	Description
THCL1[1]	Hexcell Louver Assembly
TLENS-1-SP	Polycarbonate Lens - Spot
TLENS-1-NFL	Polycarbonate Lens - Narrow Flood
TLENS-1-FL	Polycarbonate Lens - Flood

[1] Add finish code suffix to complete catalog number (Example: THCL1BL).

ORDERING INFORMATION:

Fixture Type	Color Temperature	Color Rendering Index	Beam Spread	Lensholder	Finish
T271L 13W Arc LED	**27** 2700K **3** 3000K **35** 3500K **4** 4000K	**K** 85 CRI Typical **HC** 92 CRI Typical (2700K & 3000K only) **ES** Enhanced Spectrum (2700K, 3000K & 3500K only)	**S** Spot **N** Narrow Flood **F** Flood	**Blank** No Louver **HCL** Hexcell Louver	**BL** Black **SL** Silver **WH** White

Ordering Examples: T271L27HCSWH, T271L3KNHCLBL

JUNO LIGHTING GROUP by Schneider Electric

TRAC-MASTER®

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T271L

PERFORMANCE DATA[1]:

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T271L27KS	120V	13.2W	962	73	50,000
T271L27KN	120V	13.2W	954	72	50,000
T271L27KF	120V	13.2W	947	72	50,000
T271L27HCS	120V	13.2W	833	63	50,000
T271L27HCN	120V	13.2W	827	63	50,000
T271L27HCF	120V	13.2W	820	62	50,000
T271L27ESS	120V	13.2W	595	45	50,000
T271L27ESN	120V	13.2W	590	45	50,000
T271L27ESF	120V	13.2W	586	44	50,000
T271L3KS	120V	13.2W	992	75	50,000
T271L3KN	120V	13.2W	984	75	50,000
T271L3KF	120V	13.2W	976	74	50,000
T271L3HCS	120V	13.2W	873	66	50,000
T271L3HCN	120V	13.2W	866	66	50,000
T271L3HCF	120V	13.2W	859	65	50,000
T271L3ESS	120V	13.2W	615	47	50,000
T271L3ESN	120V	13.2W	610	46	50,000
T271L3ESF	120V	13.2W	605	46	50,000
T271L35KS	120V	13.2W	1022	77	50,000
T271L35KN	120V	13.2W	1014	77	50,000
T271L35KF	120V	13.2W	1005	76	50,000
T271L35ESS	120V	13.2W	635	48	50,000
T271L35ESN	120V	13.2W	630	48	50,000
T271L35ESF	120V	13.2W	625	47	50,000
T271L4KS	120V	13.2W	1061	80	50,000
T271L4KN	120V	13.2W	1053	80	50,000
T271L4KF	120V	13.2W	1044	79	50,000

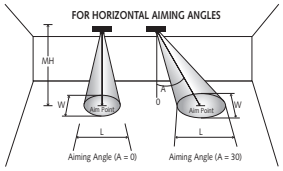
[1] Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25˚C ambient.

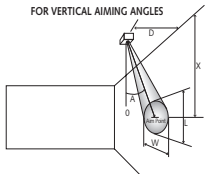
ELECTRICAL DATA

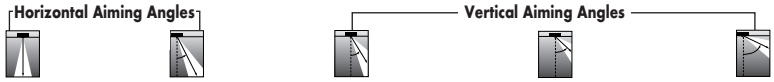
Input Voltage	120V
Input Current (max.)	0.14A
Power Factor	>0.80

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˚).







Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0° MH	0° FC	0° L	0° W	30° FC	30° L	30° W	30° D	30° FC	30° X	30° L	30° W	45° FC	45° X	45° L	45° W	60° D	60° FC	60° X	60° L	60° W
Arc 13W LED, 3000K 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 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 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 fixtures, use 0.97 multiplier; For 2700HC fixtures, use 0.84 multiplier; For 2700ES fixtures, use 0.60 multiplier; For 3000HC fixtures, use 0.88 multiplier; For 3000ES fixtures, use 0.62 multiplier For 3500K fixtures, use 1.03 multiplier; For 3500ES fixtures, use 0.64 multiplier; For 4000K fixtures, use 1.07 multiplier.

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