



TRAC-LITES™

10W LED

R600L SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

The R600L Series 10W LED is an economical and affordable trac fixture, with a simple and timeless aesthetic. It approximates the light output and distribution of 50W MR16 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 minimum 80 CRI. Optional high CRI versions are available with a minimum 90 CRI. The R600L Series LED is available in spot, narrow flood and flood beam distributions which can be achieved with interchangeable precision-molded custom optics. It is compatible with Juno Trac-Lites and Trac-Master trac and system components.



PRODUCT SPECIFICATIONS

Construction Die cast aluminum heat sink provides outstanding thermal management of LED, yielding 70% average lumen maintenance at 50,000 hours of operation

• Simple, timeless design complements any decor • Available in white, black, bronze and silver 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.

Driver Integrated into fixture housing behind LED light engine to minimize overall fixture footprint • Insulating air gap between driver and LED light engine, plus thermal potting compound, optimizes thermal operation • Provides quiet operation with or without dimming • Dimmable using high quality dimmers approved by Juno - see [R600L-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 thermoplastic optics available in three factory-configured beam spreads • Indicate specific beam spread desired or specify universal version which includes both narrow flood and flood lenses • Accessory optics also available to enable simple beam changes in the field.

Lensholder Bayonet mount lensholder facilitates optics changes in the field.

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 • Two-position power contact provided for two-circuit application.

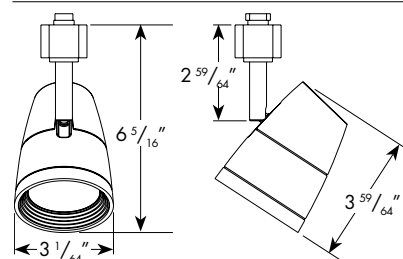
Aiming 350° horizontal coverage • 90° vertical aiming capability.

Labels UL and C-UL Listed • ENERGY STAR® certified • DesignLights Consortium® (DLC) qualified product • 90CRI versions can be used to comply with California Title 24, Part 6 high efficacy LED light source requirements • 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.

DIMENSIONS



ORDERING INFORMATION

Ordering Example: R600L 27K 80CRI NFL BL

Series	Color Temperature	Color Rendering Index	Distribution	Finish
R600L 10W LED	27K 2700K 30K 3000K 35K 3500K 40K 4000K	80CRI 80 CRI 90CRI 90 CRI	SP Spot NFL Narrow Flood FL Flood UNF Universal - Narrow Flood, Flood	BL Black BZ Bronze SL Silver WH White

ACCESSORIES			
TIR4 SPT BLCK	TIR Optic - Spot - Black	TLENS4 NFLD	Lens - Narrow Flood
TIR4 SPT WHT	TIR Optic - Spot - White	TLENS4 FLD	Lens - Flood



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PERFORMANCE DATA¹

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
R600L 27K 80CRI PDIM SP	120V	10.1	772	78	50,000
R600L 27K 80CRI PDIM NFL	120V	10.1	648	64	50,000
R600L 27K 80CRI PDIM FL	120V	10.1	767	76	50,000
R600L 27K 90CRI PDIM SP	120V	10.1	659	67	50,000
R600L 27K 90CRI PDIM NFL	120V	10.1	554	55	50,000
R600L 27K 90CRI PDIM FL	120V	10.1	655	65	50,000
R600L 30K 80CRI PDIM SP	120V	10.1	804	81	50,000
R600L 30K 80CRI PDIM NFL	120V	10.1	675	67	50,000
R600L 30K 80CRI PDIM FL	120V	10.1	799	79	50,000
R600L 30K 90CRI PDIM SP	120V	10.1	684	69	50,000
R600L 30K 90CRI PDIM NFL	120V	10.1	574	57	50,000
R600L 30K 90CRI PDIM FL	120V	10.1	679	67	50,000
R600L 35K 80CRI PDIM SP	120V	10.1	828	84	50,000
R600L 35K 80CRI PDIM NFL	120V	10.1	695	69	50,000
R600L 35K 80CRI PDIM FL	120V	10.1	823	81	50,000
R600L 35K 90CRI PDIM SP	120V	10.1	700	71	50,000
R600L 35K 90CRI PDIM NFL	120V	10.1	587	58	50,000
R600L 35K 90CRI PDIM FL	120V	10.1	695	69	50,000
R600L 40K 80CRI PDIM SP	120V	10.1	844	85	50,000
R600L 40K 80CRI PDIM NFL	120V	10.1	709	70	50,000
R600L 40K 80CRI PDIM FL	120V	10.1	839	83	50,000
R600L 40K 90CRI PDIM SP	120V	10.1	716	72	50,000
R600L 40K 90CRI PDIM NFL	120V	10.1	601	59	50,000
R600L 40K 90CRI PDIM FL	120V	10.1	711	70	50,000

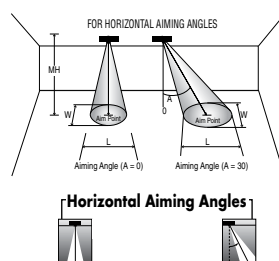
¹Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.

ELECTRICAL DATA

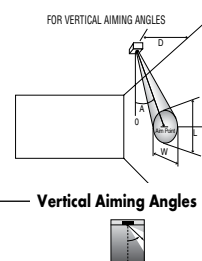
Input Voltage	120V
Input Current (max.)	0.09A
Power Factor	>0.95
T.H.D.	<20%

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°).



Horizontal Aiming Angles



Vertical Aiming Angles

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
R600L 10W LED, 30K Wide Spot	SP	18° 	50000	4499	5	180	1.6	1.6	117	2.2	1.9	2.0	141	3.5	2.8	1.3	398	2.0	1.3	0.9	4	183	2.3	1.7	1.5
					6	125	1.9	1.9	81	2.6	2.2	2.5	90	4.3	3.5	1.6	255	2.5	1.7	1.1	5	117	2.9	2.2	1.9
					7	92	2.3	2.3	60	3.0	2.6	3.0	62	5.2	4.2	1.9	177	3.0	2.0	1.4	6	81	3.5	2.6	2.2
					8	70	2.6	2.6	46	3.5	3.0	3.5	46	6.1	4.9	2.3	130	3.5	2.3	1.6	7	60	4.0	3.0	2.6
					9	56	2.9	2.9	36	3.9	3.3	4.0	35	6.9	5.6	2.6	99	4.0	2.6	1.8	8	46	4.6	3.5	3.0
R600L 10W LED, 30K Narrow Flood	NFL	23° 	50000	1822	3	202	1.2	1.2	131	1.7	1.4	2.0	57	3.5	3.7	1.6	161	2.0	1.7	1.2	2	296	1.2	1.1	0.9
					4	114	1.6	1.6	74	2.2	1.9	2.5	36	4.3	4.6	2.0	103	2.5	2.1	1.4	3	131	1.7	1.7	1.4
					5	73	2.0	2.0	47	2.8	2.3	3.0	25	5.2	5.6	2.4	72	3.0	2.5	1.7	4	74	2.3	2.2	1.9
					6	51	2.4	2.4	33	3.3	2.8	3.5	19	6.1	6.5	2.8	53	3.5	3.0	2.0	5	47	2.9	2.8	2.3
					7	37	2.8	2.8	24	3.9	3.3	4.0	14	6.9	7.4	3.3	40	4.0	3.4	2.3	6	33	3.5	3.3	2.8
R600L 10W LED, 30K Flood	FL	43° 	50000	1069	2	267	1.6	1.6	174	2.2	1.8	1.0	134	1.7	5.8	1.6	378	1.0	1.9	1.1	2	174	1.2	2.2	1.8
					3	119	2.4	2.4	77	3.3	2.7	1.5	59	2.6	8.7	2.4	168	1.5	2.8	1.7	3	77	1.7	3.3	2.7
					4	67	3.1	3.1	43	4.4	3.6	2.0	33	3.5	11.6	3.1	94	2.0	3.7	2.2	4	43	2.3	4.4	3.6
					5	43	3.9	3.9	28	5.5	4.5	2.5	21	4.3	14.5	3.9	60	2.5	4.6	2.8	5	28	2.9	5.5	4.5
					6	30	4.7	4.7	19	6.6	5.4	3.0	15	5.2	17.4	4.7	42	3.0	5.6	3.3	6	19	3.5	6.6	5.4

For 27K 80CRI fixtures, use 0.96 multiplier; for 27K 90CRI fixtures, use 0.82 multiplier; for 30K 90CRI fixtures, use 0.85 multiplier; for 35K 80CRI fixtures, use 1.03 multiplier; for 35K 90CRI fixtures, use 0.87 multiplier; for 40K 80CRI fixtures, use 1.05 multiplier; for 40K 90CRI fixtures, use 0.89 multiplier.