



TRAC-LITES™

10W LED

R600L G2

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

The R600L G2 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. Versions are currently available in 2700K & 3500K color temperature with minimum 80 CRI. Optional 97 CRI versions are also available in 2700K, 3000K, and 4000K color temperatures. The R600L G2 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 • Exceptional 80 CRI minimum available in 2700K & 3500K CCTs • Optional 97 CRI minimum available in 2700K, 3000K, or 4000K CCTs • Chromaticity range within a 3-step MacAdam Ellipse.

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, factory-approved dimmers - see [R600LG2-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 lenses available in three factory-configured beam spreads • Indicate specific beam spread desired or specify universal version which includes both narrow flood and flood optics • 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 • "Pull-up" contact to up position for two-circuit application.

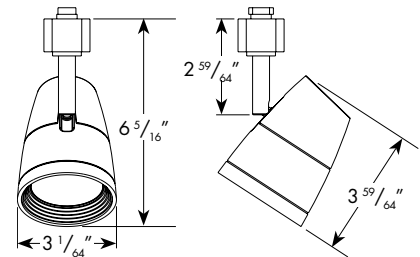
Aiming 350° horizontal coverage • 90° vertical aiming capability.

Labels UL and C-UL Listed • ENERGY STAR® Certified • DLC Qualified • 90 CRI and 97 CRI versions certified as CEC Title 24 Compliant • 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 G2 27K 97CRI PDIM NFL BL

Series	Generation	Color Temperature	Color Rendering Index	Dimming Compatibility	Distribution	Finish
R600L Trac-Lites™ Economy Cone LED	G2 Generation 2	27K ¹ 2700K 30K ² 3000K 35K ³ 3500K 40K ⁴ 4000K	80CRI 80 CRI 90CRI 90 CRI 97CRI 97 CRI	PDIM Phase Dimmable	FL Flood NFL Narrow Flood SP Spot 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

Notes:

- 27K not available with 90CRI at this time.
- 30K not available with 80CRI or 90CRI at this time.
- 35K not available with 90CRI or 97CRI at this time.
- 40K not available with 80CRI at this time.



TRAC-LITES™

10W LED

R600L G2

PERFORMANCE DATA¹

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
R600L G2 27K 80CRI SP	120V	9.5	926	98	50,000
R600L G2 27K 80CRI NFL	120V	9.5	751	79	50,000
R600L G2 27K 80CRI FL	120V	9.5	844	89	50,000
R600L G2 27K 97CRI SP	120V	9.5	695	73	50,000
R600L G2 27K 97CRI NFL	120V	9.5	563	59	50,000
R600L G2 27K 97CRI FL	120V	9.5	633	67	50,000
R600L G2 30K 97CRI SP	120V	9.5	724	76	50,000
R600L G2 30K 97CRI NFL	120V	9.5	587	62	50,000
R600L G2 30K 97CRI FL	120V	9.5	659	69	50,000
R600L G2 35K 80CRI SP	120V	9.5	984	104	50,000
R600L G2 35K 80CRI NFL	120V	9.5	798	84	50,000
R600L G2 35K 80CRI FL	120V	9.5	897	94	50,000
R600L G2 40K 90CRI SP	120V	9.5	820	86	50,000
R600L G2 40K 90CRI NFL	120V	9.5	665	70	50,000
R600L G2 40K 90CRI FL	120V	9.5	747	79	50,000
R600L G2 40K 97CRI SP	120V	9.5	753	79	50,000
R600L G2 40K 97CRI NFL	120V	9.5	610	64	50,000
R600L G2 40K 97CRI FL	120V	9.5	686	72	50,000

ELECTRICAL DATA

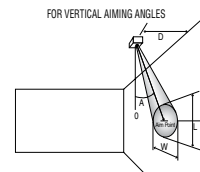
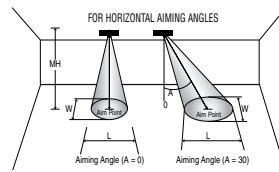
Input Voltage	120V
Input Current (max.)	0.09A
Power Factor	>0.95
T.H.D.	<20%

Note:

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

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	Horizontal Aiming Angles									Vertical Aiming Angles														
					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	D	FC	X	L W				
R600L G2 10W LED, 3000K, 80CRI Wide Spot	SP	18°	50000	5081	5	203	1.6	1.6	132	2.2	1.9	2.0	159	3.5	2.8	1.3	449	2.0	1.3	0.9	4	206	2.3	1.7	1.5			
					6	141	1.9	1.9	92	2.6	2.2	2.5	102	4.3	3.5	1.6	287	2.5	1.7	1.1	5	132	2.9	2.2	1.9			
					7	104	2.3	2.3	67	3.0	2.6	3.0	71	5.2	4.2	1.9	200	3.0	2.0	1.4	6	92	3.5	2.6	2.2			
					8	79	2.6	2.6	52	3.5	3.0	3.5	52	6.1	4.9	2.3	147	3.5	2.3	1.6	7	67	4.0	3.0	2.6			
					9	63	2.9	2.9	41	3.9	3.3	4.0	40	6.9	5.6	2.6	112	4.0	2.6	1.8	8	52	4.6	3.5	3.0			
R600L G2 10W LED, 3000K, 80CRI Narrow Flood	NFL	24°	50000	1921	3	213	1.3	1.3	139	1.7	1.5	2.0	60	3.5	4.0	1.7	170	2.0	1.8	1.2	2	312	1.2	1.2	1.0			
					4	120	1.7	1.7	78	2.3	2.0	2.5	38	4.3	5.0	2.2	109	2.5	2.3	1.5	3	139	1.7	1.7	1.5			
					5	77	2.2	2.2	50	2.9	2.5	3.0	27	5.2	6.0	2.6	75	3.0	2.7	1.8	4	78	2.3	2.3	2.0			
					6	53	2.6	2.6	35	3.5	3.0	3.5	20	6.1	7.0	3.0	55	3.5	3.2	2.1	5	50	2.9	2.9	2.5			
					7	39	3.0	3.0	25	4.1	3.5	4.0	15	6.9	8.0	3.4	42	4.0	3.6	2.4	6	35	3.5	3.5	3.0			
R600L G2 10W LED, 3000K, 80CRI Flood	FL	43°	50000	1159	2	290	1.6	1.6	188	2.2	1.8	1.0	145	1.7	6.1	1.6	410	1.0	1.9	1.1	2	188	1.2	2.2	1.8			
					3	129	2.4	2.4	84	3.4	2.8	1.5	64	2.6	9.1	2.4	182	1.5	2.8	1.7	3	84	1.7	3.4	2.8			
					4	72	3.2	3.2	47	4.5	3.7	2.0	36	3.5	12.1	3.2	102	2.0	3.8	2.3	4	47	2.3	4.5	3.7			
					5	46	4.0	4.0	30	5.6	4.6	2.5	23	4.3	15.2	4.0	66	2.5	4.7	2.8	5	30	2.9	5.6	4.6			
					6	32	4.8	4.8	21	6.7	5.5	3.0	16	5.2	18.2	4.8	46	3.0	5.7	3.4	6	21	3.5	6.7	5.5			

For 27K 80CRI fixtures, use 0.96 multiplier; for 27K 97CRI fixtures, use 0.72 multiplier; for 30K 97CRI fixtures, use 0.75 multiplier; for 35K 80CRI fixtures, use 1.02 multiplier; for 40K 97CRI fixtures, use 0.78 multiplier.