



TRAC-LITES™ 10W LED R600LG2 SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

The R600LG2 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 R600LG2 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, 3500K, 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.

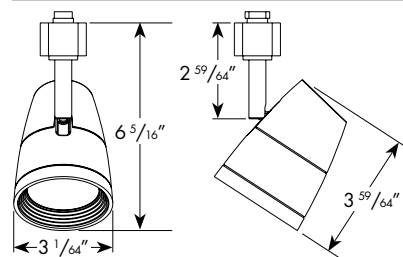
Aiming 350° horizontal coverage • 90° vertical aiming capability.

Labels UL and C-UL Listed • ENERGY STAR® Certified • DLC Qualified • Union made • Assembled in U.S.A.

Warranty Warranty period is 5 years from date of purchase • Standard Acuity Brands product terms and conditions apply.

Product specifications subject to change without notice.

DIMENSIONS



ACCESSORIES

Cat. No.	Description
TIR-4-SP-BL	TIR Optic - Spot - Black
TIR-4-SP-WH	TIR Optic - Spot - White
TLENS-4-NFL	Lens - Narrow Flood
TLENS-4-FL	Lens - Flood

ORDERING INFORMATION:

Fixture Type	Color Temperature	Color Rendering Index	Beam Spread	Finish
R600LG2 10W LED	27 2700K 3 3000K 35 3500K 4 4000K	K 80 CRI Minimum (Available in 2700K & 3500K only) 97 97 CRI Minimum (Available in 2700K, 3000K & 4000K only)	S Spot N Narrow Flood F Flood U Universal Beam (includes narrow flood & flood lenses)	BL Black BZ Bronze SL Silver WH White

Ordering Examples: R600LG22797NBL, R600LG235KUWH

TRAC-LITES™

10W LED

R600LG2 SERIES

PERFORMANCE DATA¹

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
R600LG227S	120V	9.5	926	98	50,000
R600LG227N	120V	9.5	751	79	50,000
R600LG227F	120V	9.5	844	89	50,000
R600LG22797S	120V	9.5	695	73	50,000
R600LG22797N	120V	9.5	563	59	50,000
R600LG22797F	120V	9.5	633	67	50,000
R600LG2397S	120V	9.5	724	76	50,000
R600LG2397N	120V	9.5	587	62	50,000
R600LG2397F	120V	9.5	659	69	50,000
R600LG235S	120V	9.5	984	104	50,000
R600LG235N	120V	9.5	798	84	50,000
R600LG235F	120V	9.5	897	94	50,000
R600LG2497S	120V	9.5	753	79	50,000
R600LG2497N	120V	9.5	610	64	50,000
R600LG2497F	120V	9.5	686	72	50,000

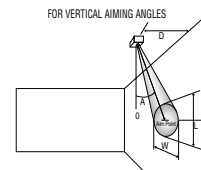
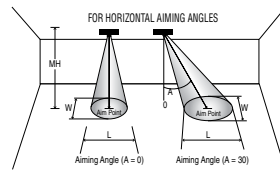
¹ Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.

ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.09A
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°).



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								
R600LG2 10W LED, 3000K Wide Spot	S	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			
R600LG2 10W LED, 3000K Narrow Flood	N	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			
R600LG2 10W LED, 3000K Flood	F	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 fixtures, use 0.96 multiplier; for 2797 fixtures, use 0.72 multiplier; for 397 fixtures, use 0.75 multiplier; for 35K fixtures, use 1.02 multiplier; for 497 fixtures, use 0.78 multiplier.