

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 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 or 97 CRI. 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 • Chromaticity range within a 3-step MacAdam Ellipse • Exceptional 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI or 97 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, 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 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.

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 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 • Available in black, silver, and white finish only • 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 • Available in black, silver, and white finish only • 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 • Available in black and white finish only • Consult factory for additional information.

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

Labels UL and C-UL Listed • ENERGY STAR® certified • 90CRI and 97CRI 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.

Buy American Act This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

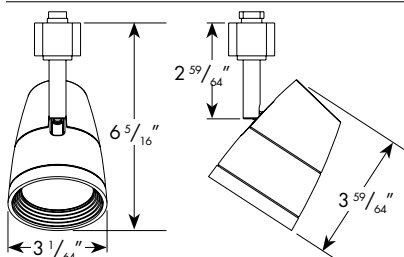
Warranty 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions.

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

DIMENSIONS



ConTech is a registered trademark of ConTech Lighting.

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ORDERING INFORMATION

Ordering Example: R600L G2 27K 97CRI PDIM NFL BL

| Series | Mounting Adapter Type | Generation | Color Temperature | Color Rendering Index | Dimming Compatibility |
|---|--|------------------------|--|---|----------------------------|
| R600L Trac-Lites™ Economy Cone LED | (Blank) Universal 120V Trac Adapter GTYPE¹ G-Type Trac Adapter HTYPE¹ H-Type Trac Adapter LTYPE² L-Type Trac Adapter | G2 Generation 2 | 27K 2700K 30K³ 3000K 35K³ 3500K 40K 4000K | 80CRI 80 CRI 90CRI 90 CRI 97CRI 97 CRI | PDIM Phase Dimmable |

| Distribution | Finish |
|--|------------------|
| SP Spot | BL Black |
| NFL Narrow Flood | BZ Bronze |
| FL Flood | SL Silver |
| UNF Universal - Narrow Flood, Flood | 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:

- 1 GTYPE and HTYPE adapters available in BL, SL, and WH finish only.
- 2 LTYPE adapter available in BL and WH finish only.
- 3 30K and 35K not available with 97CRI.

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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 90CRI SP | 120V | 9.5 | 763 | 80 | 50000 |
| R600L G2 27K 90CRI NFL | 120V | 9.5 | 618 | 65 | 50000 |
| R600L G2 27K 90CRI FL | 120V | 9.5 | 695 | 73 | 50000 |
| 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 80CRI SP | 120V | 9.5 | 965 | 102 | 50000 |
| R600L G2 30K 80CRI NFL | 120V | 9.5 | 782 | 82 | 50000 |
| R600L G2 30K 80CRI FL | 120V | 9.5 | 879 | 93 | 50000 |
| R600L G2 30K 90CRI SP | 120V | 9.5 | 796 | 84 | 50000 |
| R600L G2 30K 90CRI NFL | 120V | 9.5 | 645 | 68 | 50000 |
| R600L G2 30K 90CRI FL | 120V | 9.5 | 725 | 76 | 50000 |
| 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 35K 90CRI SP | 120V | 9.5 | 813 | 86 | 50000 |
| R600L G2 35K 90CRI NFL | 120V | 9.5 | 658 | 69 | 50000 |
| R600L G2 35K 90CRI FL | 120V | 9.5 | 740 | 78 | 50000 |
| R600L G2 40K 80CRI SP | 120V | 9.5 | 997 | 105 | 50000 |
| R600L G2 40K 80CRI NFL | 120V | 9.5 | 808 | 85 | 50000 |
| R600L G2 40K 80CRI FL | 120V | 9.5 | 908 | 96 | 50000 |
| 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 |

Note:

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% |

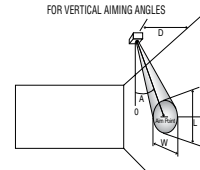
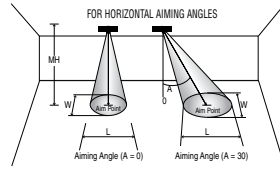
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CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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 | | | | | | | | |
| 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 | | | |
| 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 90CRI fixtures, use 0.79 multiplier; for 27K 97CRI fixtures, use 0.72 multiplier;
 for 30K 90CRI fixtures, use 0.82 multiplier; for 30K 97CRI fixtures, use 0.75 multiplier;
 for 35K 80CRI fixtures, use 1.02 multiplier; for 35K 90CRI fixtures, use 0.84 multiplier;
 for 40K 80CRI fixtures, use 1.03 multiplier; for 40K 90CRI fixtures, use 0.85 multiplier; for 40K 97CRI fixtures, use 0.78 multiplier.