



TRAC-LITES™

15W ADJUSTABLE BEAM LED CYLINDER

R620L SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

The R620L Series 15W Adjustable Beam LED Cylinder is an economical and affordable trac fixture, with a simple and timeless cylindrical aesthetic. It features a proprietary optical system that enables the beam distribution to be adjusted continuously between 17-degrees and 53-degrees simply by rotating the front bezel, without the use of tools or requiring any additional accessories. This makes the R620L perfect for applications that require a range of beam patterns or where the desired beam pattern is unknown at the time of specification/purchase. 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 R620L Series LED is available with an optional, bayonet-mount accessory holder that accommodates one accessory if desired. It is compatible with Juno Trac-Lites™ and Trac-Master® Trac and system components, or it can be specified with a variety of factory-assembled alternate mounting adapters to fit on practically any competitive 120V track system.



PRODUCT SPECIFICATIONS

Construction Die cast aluminum housing 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 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 minimum, with an R9 value greater than 50.

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 [R620L-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 Patented, computer-designed custom multi-component optical system delivers continuous beam adjustment from as low as 17-degrees up to 53-degrees • Adjustment is accomplished by simply rotating the front bezel, without the use of tools or add-on accessories • Variable Beam System offers unparalleled efficacy throughout the beam adjustment range, maintaining lumen output within a narrow 40 lumen or less performance band • Beam patterns can be further altered as desired using a variety of available light control accessories.

Accessory Holder Optional accessory ring attaches directly to front bezel without tools • May be specified as a factory-installed option or ordered separately as a field-installed accessory • Precision bayonet mounting • Accommodates one accessory if desired.

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 TEK Trac Adapter Compatible with Juno TEK trac system • System specific and assembled to trac fixture • Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.

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.

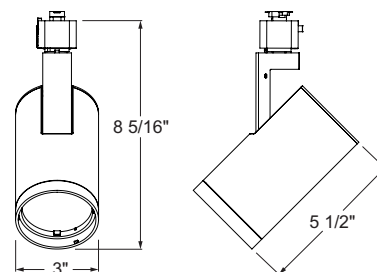
Alternate LTYPE Trac Adapter Compatible with track systems which use a L-type track adapter • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Available in black, silver, and white finish only • Consult factory for additional information.

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

Labels UL and C-UL Listed • ENERGY STAR® certified • 80 CRI versions are DLC Qualified • 90 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/CustomResources/Terms_and_conditions.aspx. Specifications subject to change without notice.

DIMENSIONS



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One Lithonia Way • Conyers, GA 30012 • Phone 1-800-705-SERV (7378) • Visit us at www.acuitybrands.com
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TRAC-LITES™

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R620L SERIES

ORDERING INFORMATION

Ordering Example: R620L 27K 80CRI PDIM VBS BL, R620L HTYPE 30K 90CRI PDIM VBS WH AHR620 WHT

| Series | Mounting Adapter Type | Color Temperature | Color Rendering Index | Dimming Compatibility | Distribution |
|--|--|-------------------|-----------------------|-----------------------|--------------------------|
| R620L Trac-Lites™ 15W Adjustable Beam LED Cylinder | (Blank) Juno Universal 120V Trac Adapter | 27K 2700K | 80CRI 80 CRI | PDIM Phase Dimmable | VBS Variable Beam System |
| | GTYPE G-Type Trac Adapter | 30K 3000K | 90CRI 90 CRI | | |
| | HTYPE H-Type Trac Adapter | 35K 3500K | | | |
| | LTYPE L-Type Trac Adapter | 40K 4000K | | | |
| | TEK ¹ TEK 120V Trac Adapter | | | | |

| Finish | Accessory Holder Option |
|-----------|---|
| BL Black | AHR620 BLCK Accessory Holder for R620L, Black |
| SL Silver | AHR620 WHT Accessory Holder for R620L, White |
| WH White | |

| Accessories | | | |
|-----------------|-----------------------------------|-------------|-----------------------------|
| AHR620 BLCK 275 | Accessory Holder for R620L, Black | DIFF 275 | Diffusion Glass Lens |
| AHR620 WHT 275 | Accessory Holder for R620L, White | UVF 275 | UV Filter |
| HCLBL 275 | Hexagonal Cell Louver - Black | LSPREAD 275 | Linear Spread Glass Lens |
| CGF 275 | Color Glass Filters | PRISM 275 | Prismatic Spread Glass Lens |
| DGF 275 | Dichroic Glass Filters | SOLITE 275 | Uniformity Lens (Solite) |
| DCCF 275 | Dichroic Color Correction Filters | | |

See specification sheet [D1.2.2](#) for details and color filter options.

Notes:

1 TEK adapter is black on silver finish fixtures.

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15W ADJUSTABLE BEAM LED CYLINDER

R620L SERIES

PERFORMANCE DATA¹

| Catalog Number | Input Voltage | Watts (Typical) | Lumens | Efficacy (LPW) | Rated Life (Hours) |
|--------------------------------|---------------|-----------------|--------|----------------|--------------------|
| R620L 27K 80CRI (Spot) | 120V | 15.3 | 1128 | 74 | 50,000 |
| R620L 27K 80CRI (Narrow Flood) | 120V | 15.3 | 1107 | 72 | 50,000 |
| R620L 27K 80CRI (Flood) | 120V | 15.3 | 1099 | 72 | 50,000 |
| R620L 27K 80CRI (Wide Flood) | 120V | 15.3 | 1089 | 71 | 50,000 |
| R620L 27K 90CRI (Spot) | 120V | 15.3 | 928 | 61 | 50,000 |
| R620L 27K 90CRI (Narrow Flood) | 120V | 15.3 | 911 | 60 | 50,000 |
| R620L 27K 90CRI (Flood) | 120V | 15.3 | 905 | 59 | 50,000 |
| R620L 27K 90CRI (Wide Flood) | 120V | 15.3 | 896 | 59 | 50,000 |
| R620L 30K 80CRI (Spot) | 120V | 15.3 | 1175 | 77 | 50,000 |
| R620L 30K 80CRI (Narrow Flood) | 120V | 15.3 | 1153 | 75 | 50,000 |
| R620L 30K 80CRI (Flood) | 120V | 15.3 | 1145 | 75 | 50,000 |
| R620L 30K 80CRI (Wide Flood) | 120V | 15.3 | 1134 | 74 | 50,000 |
| R620L 30K 90CRI (Spot) | 120V | 15.3 | 987 | 65 | 50,000 |
| R620L 30K 90CRI (Narrow Flood) | 120V | 15.3 | 969 | 63 | 50,000 |
| R620L 30K 90CRI (Flood) | 120V | 15.3 | 962 | 63 | 50,000 |
| R620L 30K 90CRI (Wide Flood) | 120V | 15.3 | 953 | 62 | 50,000 |
| R620L 35K 80CRI (Spot) | 120V | 15.3 | 1199 | 78 | 50,000 |
| R620L 35K 80CRI (Narrow Flood) | 120V | 15.3 | 1176 | 77 | 50,000 |
| R620L 35K 80CRI (Flood) | 120V | 15.3 | 1168 | 76 | 50,000 |
| R620L 35K 80CRI (Wide Flood) | 120V | 15.3 | 1157 | 76 | 50,000 |
| R620L 35K 90CRI (Spot) | 120V | 15.3 | 1022 | 67 | 50,000 |
| R620L 35K 90CRI (Narrow Flood) | 120V | 15.3 | 1003 | 66 | 50,000 |
| R620L 35K 90CRI (Flood) | 120V | 15.3 | 996 | 65 | 50,000 |
| R620L 35K 90CRI (Wide Flood) | 120V | 15.3 | 987 | 64 | 50,000 |
| R620L 40K 80CRI (Spot) | 120V | 15.3 | 1234 | 81 | 50,000 |
| R620L 40K 80CRI (Narrow Flood) | 120V | 15.3 | 1211 | 79 | 50,000 |
| R620L 40K 80CRI (Flood) | 120V | 15.3 | 1202 | 79 | 50,000 |
| R620L 40K 80CRI (Wide Flood) | 120V | 15.3 | 1191 | 78 | 50,000 |
| R620L 40K 90CRI (Spot) | 120V | 15.3 | 1034 | 68 | 50,000 |
| R620L 40K 90CRI (Narrow Flood) | 120V | 15.3 | 1015 | 66 | 50,000 |
| R620L 40K 90CRI (Flood) | 120V | 15.3 | 1008 | 66 | 50,000 |
| R620L 40K 90CRI (Wide Flood) | 120V | 15.3 | 998 | 65 | 50,000 |

¹Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient. Additionally, due to the variable nature of the R620L optical system, beamspread types (shown above in parentheses) are nominally chosen to represent typical designations found in dedicated beam designs - actual results, though comparable, may vary in the field.

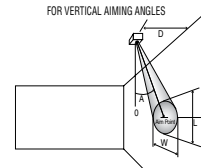
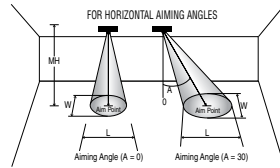
ELECTRICAL DATA

| | |
|----------------------|-------|
| Input Voltage | 120V |
| Input Current (max.) | 0.13A |
| Power Factor | >0.95 |
| T.H.D. | <20% |

TRAC-LITES™ 15W ADJUSTABLE BEAM LED CYLINDER R620L SERIES

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 | 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 |
| R620L 15W LED, 3000K, 80CRI Spot | SP | 17° | 50000 | 7241 | 6 | 201 | 1.8 | 1.8 | 131 | 2.4 | 2.1 | 3 | 101 | 5.2 | 3.8 | 1.8 | 284 | 3.0 | 1.8 | 1.3 | 6 | 131 | 3.5 | 2.4 | 2.1 |
| | | | | | 8 | 113 | 2.4 | 2.4 | 73 | 3.2 | 2.7 | 4 | 57 | 6.9 | 5.1 | 2.4 | 160 | 4.0 | 2.4 | 1.7 | 8 | 73 | 4.6 | 3.2 | 2.7 |
| | | | | | 10 | 72 | 3.0 | 3.0 | 47 | 4.0 | 3.4 | 5 | 36 | 8.7 | 6.4 | 3.0 | 102 | 5.0 | 3.0 | 2.1 | 10 | 47 | 5.8 | 4.0 | 3.4 |
| | | | | | 12 | 50 | 3.6 | 3.6 | 33 | 4.8 | 4.1 | 6 | 25 | 10.4 | 7.6 | 3.6 | 71 | 6.0 | 3.6 | 2.5 | 12 | 33 | 6.9 | 4.8 | 4.1 |
| | | | | | 14 | 37 | 4.2 | 4.2 | 24 | 5.6 | 4.8 | 7 | 18 | 12.1 | 8.9 | 4.2 | 52 | 7.0 | 4.3 | 2.9 | 14 | 24 | 8.1 | 5.6 | 4.8 |
| R620L 15W LED, 3000K, 80CRI Narrow Flood | NFL | 25° | 50000 | 3050 | 4 | 191 | 1.8 | 1.8 | 124 | 2.4 | 2.1 | 2 | 95 | 3.5 | 4.2 | 1.8 | 270 | 2.0 | 1.9 | 1.3 | 4 | 124 | 2.3 | 2.4 | 2.1 |
| | | | | | 6 | 85 | 2.7 | 2.7 | 55 | 3.6 | 3.1 | 3 | 42 | 5.2 | 6.3 | 2.7 | 120 | 3.0 | 2.8 | 1.9 | 6 | 55 | 3.5 | 3.6 | 3.1 |
| | | | | | 8 | 48 | 3.6 | 3.6 | 31 | 4.8 | 4.1 | 4 | 24 | 6.9 | 8.4 | 3.6 | 67 | 4.0 | 3.8 | 2.5 | 8 | 31 | 4.6 | 4.8 | 4.1 |
| | | | | | 10 | 31 | 4.5 | 4.5 | 20 | 6.1 | 5.2 | 5 | 15 | 8.7 | 10.5 | 4.5 | 43 | 5.0 | 4.7 | 3.2 | 10 | 20 | 5.8 | 6.1 | 5.2 |
| | | | | | 12 | 21 | 5.4 | 5.4 | 14 | 7.3 | 6.2 | 6 | 11 | 10.4 | 12.6 | 5.4 | 30 | 6.0 | 5.6 | 3.8 | 12 | 14 | 6.9 | 7.3 | 6.2 |
| R620L 15W LED, 3000K, 80CRI Flood | FL | 35° | 50000 | 1995 | 4 | 125 | 2.5 | 2.5 | 81 | 3.5 | 2.9 | 1 | 249 | 1.7 | 3.6 | 1.3 | 705 | 1.0 | 1.4 | 0.9 | 3 | 144 | 1.7 | 2.6 | 2.2 |
| | | | | | 5 | 80 | 3.2 | 3.2 | 52 | 4.3 | 3.6 | 2 | 62 | 3.5 | 7.2 | 2.5 | 176 | 2.0 | 2.8 | 1.8 | 4 | 81 | 2.3 | 3.5 | 2.9 |
| | | | | | 6 | 55 | 3.8 | 3.8 | 36 | 5.2 | 4.4 | 3 | 28 | 5.2 | 10.8 | 3.8 | 78 | 3.0 | 4.2 | 2.7 | 5 | 52 | 2.9 | 4.3 | 3.6 |
| | | | | | 7 | 41 | 4.4 | 4.4 | 26 | 6.1 | 5.1 | 4 | 16 | 6.9 | 14.4 | 5.0 | 44 | 4.0 | 5.6 | 3.6 | 6 | 36 | 3.5 | 5.2 | 4.4 |
| | | | | | 8 | 31 | 5.0 | 5.0 | 20 | 7.0 | 5.8 | 5 | 10 | 8.7 | 18.0 | 6.3 | 28 | 5.0 | 7.0 | 4.5 | 7 | 26 | 4.0 | 6.1 | 5.1 |
| R620L 15W LED, 3000K, 80CRI Wide Flood | WFL | 53° | 50000 | 1196 | 2 | 299 | 2.0 | 2.0 | 194 | 2.9 | 2.3 | 1.0 | 150 | 1.7 | 16.7 | 2.0 | 423 | 1.0 | 2.7 | 1.4 | 2 | 194 | 1.2 | 2.9 | 2.3 |
| | | | | | 3 | 133 | 3.0 | 3.0 | 86 | 4.4 | 3.5 | 1.5 | 66 | 2.6 | 25.0 | 3.0 | 188 | 1.5 | 4.0 | 2.1 | 3 | 86 | 1.7 | 4.4 | 3.5 |
| | | | | | 4 | 75 | 4.0 | 4.0 | 49 | 5.9 | 4.6 | 2.0 | 37 | 3.5 | 33.4 | 4.0 | 106 | 2.0 | 5.4 | 2.8 | 4 | 49 | 2.3 | 5.9 | 4.6 |
| | | | | | 5 | 48 | 5.0 | 5.0 | 31 | 7.3 | 5.8 | 2.5 | 24 | 4.3 | 41.7 | 5.0 | 68 | 2.5 | 6.7 | 3.6 | 5 | 31 | 2.9 | 7.3 | 5.8 |
| | | | | | 6 | 33 | 6.0 | 6.0 | 22 | 8.8 | 7.0 | 3.0 | 17 | 5.2 | 50.1 | 6.0 | 47 | 3.0 | 8.1 | 4.3 | 6 | 22 | 3.5 | 8.8 | 7.0 |

For 27K 80CRI fixtures, use 0.96 multiplier; for 27K 90CRI fixtures, use 0.79 multiplier; for 30K 90CRI fixtures, use 0.84 multiplier; for 35K 80CRI fixtures, use 1.02 multiplier; for 35K 90CRI fixtures, use 0.87 multiplier; for 40K 80CRI fixtures, use 1.05 multiplier; for 40K 90CRI fixtures, use 0.88 multiplier. Also note that, due to the variable nature of the R620L optical system, beamspread types (shown above in table) are nominally chosen to represent typical designs found in dedicated beam designs - actual results, though comparable, may vary in the field.