# JUNO®

# TRAC-LITES™
# 13W LED CYLINDER
## R606L SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

**Buy American**   DLC QPL LISTED   ENERGY STAR   TITLE 24 PART 6 — CAN BE USED TO COMPLY WITH 2016 JA8 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS

## PRODUCT DESCRIPTION

The R606L Series 13W 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 25% 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 R606L Series LED is available in spot, narrow flood, flood and wide flood beam distributions which can be achieved with interchangeable precision-molded custom TIR optics. It 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.

## 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 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, factory-approved dimmers - see R606L-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 computer-designed custom TIR optics available in four factory-configured beam spreads • One TIR optic provided with fixture (as specified in catalog number) • Simply snaps into baffled bayonet mount optic holder • Accessory optics available to enable simple beam changes in the field • Beam patterns can be altered as desired using a variety of available light control accessories.

**Accessory Holder**  Optional accessory ring attaches to baffled optic holder 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 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 • Union made • Assembled in U.S.A • 90 CRI version certified as CEC Title 24 Compliant • DLC Qualified.

**Buy American**  This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. 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

6 5/8"   2 1/2"   2 15/16"   4 7/16"
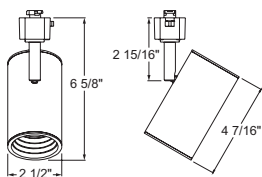
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## ORDERING INFORMATION

Ordering Example: R606L 27K 80CRI PDIM FL BL

| Series | Mounting Adapter Type | | Color Temperature | | Color Rendering Index | | Dimming Compatibility | | Distribution | |
|---|---|---|---|---|---|---|---|---|---|---|
| **R606L** Trac-Lites™ 13W LED Cylinder | **(Blank)** Juno Universal 120V Trac Adapter<br>**GTYPE¹** G-Type Trac Adapter<br>**HTYPE¹** H-Type Trac Adapter<br>**LTYPE²** L-Type Trac Adapter | | **27K** 2700K<br>**30K** 3000K<br>**35K** 3500K<br>**40K** 4000K | | **80CRI** 80 CRI<br>**90CRI** 90 CRI | | **PDIM** Phase Dimmable | | **SP** Spot<br>**NFL** Narrow Flood<br>**FL** Flood<br>**WFL** Wide Flood | |

| Finish | Accessory Holder Option | |
|---|---|---|
| **BL** Black<br>**SL** Silver<br>**WH** White | **AHR605 BLCK** Accessory Holder for R606L, Black<br>**AHR605 WHT** Accessory Holder for R606L, White | |

### Accessories

| | | | | | |
|---|---|---|---|---|---|
| **AHR605 BLCK 200** | Accessory Holder for R606L, Black | **PRISM 200** | Prismatic Spread Glass Lens | **TIR6 WFLD BLCK** | TIR Optic - Wide Flood, Black |
| **AHR605 WHT 200** | Accessory Holder for R606L, White | **SOLITE 200** | Uniformity Lens (Solite) | **TIR6 WFLD WHT** | TIR Optic - Wide Flood, White |
| **HCLBL 200** | Hexagonal Cell Louver - Black | **LSPREAD 200** | Linear Spread Lens | | |
| **SNOOTBL 200** | Snoot - Black | **TIR6 FLD BLCK** | TIR Optic - Flood, Black | | |
| **CGF 200** | Color Glass Filter | **TIR6 FLD WHT** | TIR Optic - Flood, White | | |
| **DGF 200** | Dichroic Glass Filter | **TIR6 NFLD BLCK** | TIR Optic - Narrow Flood, Black | | |
| **DCCF 200³** | Dichroic Color Correction Filter | **TIR6 NFLD WHT** | TIR Optic - Narrow Flood, White | | |
| **DIFF 200** | Diffusion Glass Lens | **TIR6 SPT BLCK** | TIR Optic - Spot, Black | | |
| **UVF 200** | UV Filter | **TIR6 SPT WHT** | TIR Optic - Spot, White | | |

See specification sheet D1.2.2 for details and color filter options.

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 DCCF 200 HAL2700 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.

## PERFORMANCE DATA[1]

| Catalog Number | Input Voltage | Watts (Typical) | Lumens | Efficacy (LPW) | Rated Life (Hours) |
|---|---|---|---|---|---|
| R606L 27K 80CRI PDIM SP | 120V | 13.0 | 1236 | 95 | 50,000 |
| R606L 27K 80CRI PDIM NFL | 120V | 13.0 | 1182 | 91 | 50,000 |
| R606L 27K 80CRI PDIM FL | 120V | 13.0 | 1254 | 96 | 50,000 |
| R606L 27K 80CRI PDIM WFL | 120V | 13.0 | 1111 | 85 | 50,000 |
| R606L 27K 90CRI PDIM SP | 120V | 13.0 | 1028 | 79 | 50,000 |
| R606L 27K 90CRI PDIM NFL | 120V | 13.0 | 983 | 76 | 50,000 |
| R606L 27K 90CRI PDIM FL | 120V | 13.0 | 1043 | 80 | 50,000 |
| R606L 27K 90CRI PDIM WFL | 120V | 13.0 | 924 | 71 | 50,000 |
| R606L 30K 80CRI PDIM SP | 120V | 13.0 | 1301 | 100 | 50,000 |
| R606L 30K 80CRI PDIM NFL | 120V | 13.0 | 1244 | 96 | 50,000 |
| R606L 30K 80CRI PDIM FL | 120V | 13.0 | 1320 | 102 | 50,000 |
| R606L 30K 80CRI PDIM WFL | 120V | 13.0 | 1170 | 90 | 50,000 |
| R606L 30K 90CRI PDIM SP | 120V | 13.0 | 1106 | 85 | 50,000 |
| R606L 30K 90CRI PDIM NFL | 120V | 13.0 | 1058 | 81 | 50,000 |
| R606L 30K 90CRI PDIM FL | 120V | 13.0 | 1122 | 86 | 50,000 |
| R606L 30K 90CRI PDIM WFL | 120V | 13.0 | 994 | 76 | 50,000 |
| R606L 35K 80CRI PDIM SP | 120V | 13.0 | 1340 | 103 | 50,000 |
| R606L 35K 80CRI PDIM NFL | 120V | 13.0 | 1282 | 99 | 50,000 |
| R606L 35K 80CRI PDIM FL | 120V | 13.0 | 1360 | 105 | 50,000 |
| R606L 35K 80CRI PDIM WFL | 120V | 13.0 | 1205 | 93 | 50,000 |
| R606L 35K 90CRI PDIM SP | 120V | 13.0 | 1119 | 86 | 50,000 |
| R606L 35K 90CRI PDIM NFL | 120V | 13.0 | 1070 | 82 | 50,000 |
| R606L 35K 90CRI PDIM FL | 120V | 13.0 | 1135 | 87 | 50,000 |
| R606L 35K 90CRI PDIM WFL | 120V | 13.0 | 1006 | 77 | 50,000 |
| R606L 40K 80CRI PDIM SP | 120V | 13.0 | 1366 | 105 | 50,000 |
| R606L 40K 80CRI PDIM NFL | 120V | 13.0 | 1307 | 101 | 50,000 |
| R606L 40K 80CRI PDIM FL | 120V | 13.0 | 1386 | 107 | 50,000 |
| R606L 40K 80CRI PDIM WFL | 120V | 13.0 | 1228 | 94 | 50,000 |
| R606L 40K 90CRI PDIM SP | 120V | 13.0 | 1171 | 90 | 50,000 |
| R606L 40K 90CRI PDIM NFL | 120V | 13.0 | 1120 | 86 | 50,000 |
| R606L 40K 90CRI PDIM FL | 120V | 13.0 | 1188 | 91 | 50,000 |
| R606L 40K 90CRI PDIM WFL | 120V | 13.0 | 1053 | 81 | 50,000 |

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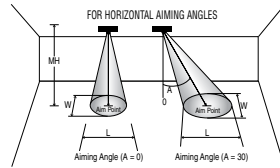
## ELECTRICAL DATA

| | |
|---|---|
| Input Voltage | 120V |
| Input Current (max.) | 0.12A |
| 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˚).

FOR HORIZONTAL AIMING ANGLES

MH

Aim Point | Aim Point

Aiming Angle (A = 0) | Aiming Angle (A = 30)

**Horizontal Aiming Angles**

FOR VERTICAL AIMING ANGLES

D | X

Aim Point | W
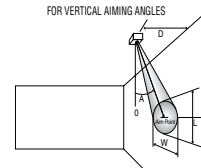
**Vertical Aiming Angles**

| 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 |
| SP **R606L 13W LED, 3000K, 80CRI Spot** | SP | 14° | 50000 | 15742 | 6 | 437 | 1.5 | 1.5 | 284 | 2.0 | 1.7 | 4 | 123 | 6.9 | 4.1 | 2.0 | 348 | 4.0 | 2.0 | 1.4 | 6 | 284 | 3.5 | 2.0 | 1.7 |
| | | | | | 8 | 246 | 2.0 | 2.0 | 160 | 2.6 | 2.3 | 6 | 55 | 10.4 | 6.1 | 2.9 | 155 | 6.0 | 3.0 | 2.1 | 8 | 160 | 4.6 | 2.6 | 2.3 |
| | | | | | 10 | 157 | 2.4 | 2.4 | 102 | 3.3 | 2.8 | 8 | 31 | 13.9 | 8.2 | 3.9 | 87 | 8.0 | 4.0 | 2.8 | 10 | 102 | 5.8 | 3.3 | 2.8 |
| | | | | | 12 | 109 | 2.9 | 2.9 | 71 | 3.9 | 3.4 | 10 | 20 | 17.3 | 10.2 | 4.9 | 56 | 10.0 | 4.9 | 3.4 | 12 | 71 | 6.9 | 3.9 | 3.4 |
| | | | | | 14 | 80 | 3.4 | 3.4 | 52 | 4.6 | 3.9 | 12 | 14 | 20.8 | 12.2 | 5.9 | 39 | 12.0 | 5.9 | 4.1 | 14 | 52 | 8.1 | 4.6 | 3.9 |
| NFL **R606L 13W LED, 3000K, 80CRI Narrow Flood** | NFL | 24° | 50000 | 6033 | 4 | 377 | 1.7 | 1.7 | 245 | 2.3 | 1.9 | 2 | 189 | 3.5 | 3.8 | 1.7 | 533 | 2.0 | 1.7 | 1.2 | 4 | 245 | 2.3 | 2.3 | 1.9 |
| | | | | | 6 | 168 | 2.5 | 2.5 | 109 | 3.4 | 2.9 | 4 | 47 | 6.9 | 7.7 | 3.3 | 133 | 4.0 | 3.5 | 2.4 | 6 | 109 | 3.5 | 3.4 | 2.9 |
| | | | | | 8 | 94 | 3.3 | 3.3 | 61 | 4.5 | 3.9 | 6 | 21 | 10.4 | 11.5 | 5.0 | 59 | 6.0 | 5.2 | 3.5 | 8 | 61 | 4.6 | 4.5 | 3.9 |
| | | | | | 10 | 60 | 4.2 | 4.2 | 39 | 5.7 | 4.8 | 8 | 12 | 13.9 | 15.4 | 6.7 | 33 | 8.0 | 7.0 | 4.7 | 10 | 39 | 5.8 | 5.7 | 4.8 |
| | | | | | 12 | 42 | 5.0 | 5.0 | 27 | 6.8 | 5.8 | 10 | 8 | 17.3 | 19.2 | 8.4 | 21 | 10.0 | 8.7 | 5.9 | 12 | 27 | 6.9 | 6.8 | 5.8 |
| FL **R606L 13W LED, 3000K, 80CRI Flood** | FL | 34° | 50000 | 3543 | 4 | 221 | 2.4 | 2.4 | 144 | 3.3 | 2.8 | 2 | 111 | 3.5 | 6.6 | 2.4 | 313 | 2.0 | 2.7 | 1.7 | 3 | 256 | 1.7 | 2.5 | 2.1 |
| | | | | | 5 | 142 | 3.0 | 3.0 | 92 | 4.2 | 3.5 | 3 | 49 | 5.2 | 10.0 | 3.6 | 139 | 3.0 | 4.0 | 2.6 | 4 | 144 | 2.3 | 3.3 | 2.8 |
| | | | | | 6 | 98 | 3.6 | 3.6 | 64 | 5.0 | 4.2 | 4 | 28 | 6.9 | 13.3 | 4.8 | 78 | 4.0 | 5.3 | 3.4 | 5 | 92 | 2.9 | 4.2 | 3.5 |
| | | | | | 7 | 72 | 4.2 | 4.2 | 47 | 5.8 | 4.9 | 5 | 18 | 8.7 | 16.6 | 6.0 | 50 | 5.0 | 6.6 | 4.3 | 6 | 64 | 3.5 | 5.0 | 4.2 |
| | | | | | 8 | 55 | 4.8 | 4.8 | 36 | 6.6 | 5.6 | 6 | 12 | 10.4 | 19.9 | 7.2 | 35 | 6.0 | 8.0 | 5.1 | 7 | 47 | 4.0 | 5.8 | 4.9 |
| WFL **R606L 13W LED, 3000K, 80CRI Wide Flood** | WFL | 42° | 50000 | 1897 | 2 | 474 | 1.5 | 1.5 | 308 | 2.1 | 1.7 | 1.0 | 237 | 1.7 | 5.3 | 1.5 | 671 | 1.0 | 1.8 | 1.1 | 2 | 308 | 1.2 | 2.1 | 1.7 |
| | | | | | 3 | 211 | 2.3 | 2.3 | 137 | 3.2 | 2.6 | 1.5 | 105 | 2.6 | 8.0 | 2.3 | 298 | 1.5 | 2.7 | 1.6 | 3 | 137 | 1.7 | 3.2 | 2.6 |
| | | | | | 4 | 119 | 3.0 | 3.0 | 77 | 4.2 | 3.5 | 2.0 | 59 | 3.5 | 10.6 | 3.0 | 168 | 2.0 | 3.5 | 2.1 | 4 | 77 | 2.3 | 4.2 | 3.5 |
| | | | | | 5 | 76 | 3.8 | 3.8 | 49 | 5.3 | 4.4 | 2.5 | 38 | 4.3 | 13.3 | 3.8 | 107 | 2.5 | 4.4 | 2.7 | 5 | 49 | 2.9 | 5.3 | 4.4 |
| | | | | | 6 | 53 | 4.5 | 4.5 | 34 | 6.4 | 5.2 | 3.0 | 26 | 5.2 | 16.0 | 4.5 | 75 | 3.0 | 5.3 | 3.2 | 6 | 34 | 3.5 | 6.4 | 5.2 |

For 27K 80CRI fixtures, use 0.95 multiplier; for 27K 90CRI fixtures, use 0.79 multiplier; for 30K 90CRI fixtures, use 0.85 multiplier; for 35K 80CRI fixtures, use 1.03 multiplier; for 35K 90CRI fixtures, use 0.86 multiplier; for 40K 80CRI fixtures, use 1.05 multiplier; for 40K 90CRI fixtures, use 0.90 multiplier.