JUNO®

TRAC-LITES™
10W LED CYLINDER
R605L SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

The R605L 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. 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 R605L 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, 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 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 R605L-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 • DLC Qualified where noted on Performance Data chart • Union made • Assembled in U.S.A • 90 CRI version certified as CEC Title 24 Compliant.

Government Procurement
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
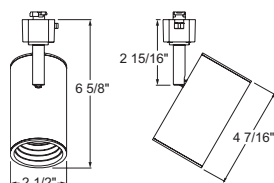BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

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 15/16"

4 7/16"

2 1/2"

ConTech is a registered trademark of ConTech Lighting.

ORDERING INFORMATION

Ordering Example: R605L 27K 80CRI PDIM FL BL

Series	Mounting Adapter Type		Color Temperature		Color Rendering Index	Dimming Compatibility	Distribution	
R605L Trac-Lites™ 10W LED Cylinder	(Blank)	Universal 120V Trac Adapter	27K	2700K	80CRI[3] 80 CRI	PDIM Phase Dimmable	FL	Flood
	GTYPE[1]	G-Type Trac Adapter	30K	3000K	90CRI 90 CRI		NFL	Narrow Flood
	HTYPE[1]	H-Type Trac Adapter	35K	3500K			SP	Spot
	LTYPE[2]	L-Type Trac Adapter	40K[3]	4000K			WFL	Wide Flood

Finish	Accessory Holder Option	
BL Black	AHR605 BLCK	Accessory Holder for R605L, Black
BZ[3] Bronze	AHR605 WHT	Accessory Holder for R605L, White
SL Silver		
WH White		

Accessories					
AHR605 BLCK 200	Accessory Holder for R605L, Black	HCLBL 200	Hexagonal Cell Louver - Black	TIR6 WFLD BLCK	TIR Optic - Wide Flood, Black
AHR605 WHT 200	Accessory Holder for R605L, White	SNOOTBL 200	Snoot - Black	TIR6 WFLD WHT	TIR Optic - Wide Flood, White
UVF 200	UV Filter	TIR6 FLD BLCK	TIR Optic - Flood, Black		
CGF 200	Color Glass Filter	TIR6 FLD WHT	TIR Optic - Flood, White		
DCCF 200[4]	Dichroic Color Correction Filter	TIR6 NFLD BLCK	TIR Optic - Narrow Flood, Black		
DGF 200	Dichroic Glass Filter	TIR6 NFLD WHT	TIR Optic - Narrow Flood, White		
DIFF 200	Diffusion Glass Lens	TIR6 SPT BLCK	TIR Optic - Spot, Black		
PRISM 200	Prismatic Spread Glass Lens	TIR6 SPT WHT	TIR Optic - Spot, White		
SOLITE 200	Uniformity Lens (Solite)				
LSPREAD 200	Linear Spread Lens				

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 40K 80CRI not available with BZ finish.
4 DCCF 200 HAL2700 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.

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10W LED CYLINDER
R605L SERIES

PERFORMANCE DATA[1]

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)	DLC Qualified
R605L 27K 80CRI PDIM SP	120V	10.5	924	88	50,000	X
R605L 27K 80CRI PDIM NFL	120V	10.5	893	85	50,000	X
R605L 27K 80CRI PDIM FL	120V	10.5	957	91	50,000	X
R605L 27K 80CRI PDIM WFL	120V	10.5	851	81	50,000	X
R605L 27K 90CRI PDIM SP	120V	10.5	764	73	50,000	
R605L 27K 90CRI PDIM NFL	120V	10.5	738	70	50,000	
R605L 27K 90CRI PDIM FL	120V	10.5	792	75	50,000	
R605L 27K 90CRI PDIM WFL	120V	10.5	704	67	50,000	
R605L 30K 80CRI PDIM SP	120V	10.5	972	93	50,000	X
R605L 30K 80CRI PDIM NFL	120V	10.5	939	89	50,000	X
R605L 30K 80CRI PDIM FL	120V	10.5	1007	96	50,000	X
R605L 30K 80CRI PDIM WFL	120V	10.5	895	85	50,000	X
R605L 30K 90CRI PDIM SP	120V	10.5	803	76	50,000	
R605L 30K 90CRI PDIM NFL	120V	10.5	776	74	50,000	
R605L 30K 90CRI PDIM FL	120V	10.5	832	79	50,000	
R605L 30K 90CRI PDIM WFL	120V	10.5	739	70	50,000	
R605L 35K 80CRI PDIM SP	120V	10.5	998	95	50,000	X
R605L 35K 80CRI PDIM NFL	120V	10.5	964	92	50,000	X
R605L 35K 80CRI PDIM FL	120V	10.5	1034	98	50,000	X
R605L 35K 80CRI PDIM WFL	120V	10.5	919	88	50,000	X
R605L 35K 90CRI PDIM SP	120V	10.5	824	78	50,000	
R605L 35K 90CRI PDIM NFL	120V	10.5	796	76	50,000	
R605L 35K 90CRI PDIM FL	120V	10.5	854	81	50,000	X
R605L 35K 90CRI PDIM WFL	120V	10.5	759	72	50,000	
R605L 40K 80CRI PDIM SP	120V	10.5	1015	97	50,000	X
R605L 40K 80CRI PDIM NFL	120V	10.5	981	93	50,000	X
R605L 40K 80CRI PDIM FL	120V	10.5	1052	100	50,000	X
R605L 40K 80CRI PDIM WFL	120V	10.5	935	89	50,000	X
R605L 40K 90CRI PDIM SP	120V	10.5	838	80	50,000	
R605L 40K 90CRI PDIM NFL	120V	10.5	810	77	50,000	
R605L 40K 90CRI PDIM FL	120V	10.5	868	83	50,000	X
R605L 40K 90CRI PDIM WFL	120V	10.5	772	74	50,000	

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

ELECTRICAL DATA

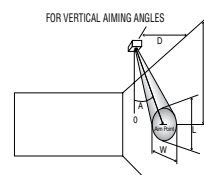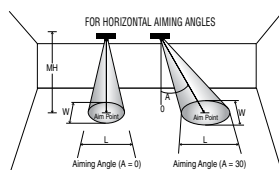|	
Input Voltage	120V
Input Current (max.)	0.09A
Power Factor	>0.95
T.H.D.	<20%

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FOR HORIZONTAL AIMING ANGLES

FOR VERTICAL AIMING ANGLES

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°).

Horizontal Aiming Angles

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	13°	50000	9850		6	274	1.4	1.4	178	1.8	1.6	3	137	5.2	2.8	1.4	387	3.0	1.4	1.0	6	178	3.5	1.8	1.6
R605L 10W LED, 3000K, 80CRI Spot					8	154	1.8	1.8	100	2.4	2.1	4	77	6.9	3.8	1.8	218	4.0	1.8	1.3	8	100	4.6	2.4	2.1
					10	99	2.3	2.3	64	3.0	2.6	5	49	8.7	4.7	2.3	139	5.0	2.3	1.6	10	64	5.8	3.0	2.6
					12	68	2.7	2.7	44	3.6	3.1	6	34	10.4	5.6	2.7	97	6.0	2.7	1.9	12	44	6.9	3.6	3.1
					14	50	3.2	3.2	33	4.2	3.7	7	25	12.1	6.6	3.2	71	7.0	3.2	2.2	14	33	8.1	4.2	3.7
NFL	21°	50000	4189		4	262	1.5	1.5	170	2.0	1.7	2	131	3.5	3.4	1.5	370	2.0	1.6	1.1	4	170	2.3	2.0	1.7
R605L 10W LED, 3000K, 80CRI Narrow Flood					6	116	2.3	2.3	76	3.1	2.6	3	58	5.2	5.1	2.3	165	3.0	2.4	1.6	6	76	3.5	3.1	2.6
					8	65	3.0	3.0	43	4.1	3.5	4	33	6.9	6.8	3.0	93	4.0	3.1	2.1	8	43	4.6	4.1	3.5
					10	42	3.8	3.8	27	5.1	4.4	5	21	8.7	8.5	3.8	59	5.0	3.9	2.7	10	27	5.8	5.1	4.4
					12	29	4.5	4.5	19	6.1	5.2	6	15	10.4	10.2	4.5	41	6.0	4.7	3.2	12	19	6.9	6.1	5.2
FL	31°	50000	2387		4	149	2.2	2.2	97	3.0	2.5	1	298	1.7	2.8	1.1	844	1.0	1.2	0.8	3	172	1.7	2.3	1.9
R605L 10W LED, 3000K, 80CRI Flood					5	95	2.7	2.7	62	3.8	3.2	2	75	3.5	5.7	2.2	211	2.0	2.4	1.6	4	97	2.3	3.0	2.5
					6	66	3.3	3.3	43	4.5	3.8	3	33	5.2	8.5	3.3	94	3.0	3.6	2.3	5	62	2.9	3.8	3.2
					7	49	3.8	3.8	32	5.3	4.4	4	19	6.9	11.4	4.4	53	4.0	4.8	3.1	6	43	3.5	4.5	3.8
					8	37	4.4	4.4	24	6.0	5.1	5	12	8.7	14.2	5.5	34	5.0	5.9	3.9	7	32	4.0	5.3	4.4
WFL	35°	50000	1445		2	361	1.3	1.3	235	1.8	1.5	1.0	181	1.7	3.6	1.3	511	1.0	1.4	0.9	2	235	1.2	1.8	1.5
R605L 10W LED, 3000K, 80CRI Wide Flood					3	161	1.9	1.9	104	2.6	2.2	1.5	80	2.6	5.5	1.9	227	1.5	2.1	1.3	3	104	1.7	2.6	2.2
					4	90	2.5	2.5	59	3.5	2.9	2.0	45	3.5	7.3	2.5	128	2.0	2.8	1.8	4	59	2.3	3.5	2.9
					5	58	3.2	3.2	38	4.4	3.7	2.5	29	4.3	9.1	3.2	82	2.5	3.5	2.2	5	38	2.9	4.4	3.7
					6	40	3.8	3.8	26	5.3	4.4	3.0	20	5.2	10.9	3.8	57	3.0	4.2	2.7	6	26	3.5	5.3	4.4

For 27K 80CRI fixtures, use 0.95 multiplier; for 27K 90CRI fixtures, use 0.79 multiplier; for 30K 90CRI fixtures, use 0.83 multiplier; for 35K 80CRI fixtures, use 1.03 multiplier; for 35K 90CRI fixtures, use 0.85 multiplier; for 40K 80CRI fixtures, use 1.04 multiplier; for 40K 90CRI fixtures, use 0.86 multiplier.