



# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_



## PRODUCT DESCRIPTION

The R610L Series 21W LED Cylinder is an efficient and affordable track fixture, with a simple and timeless cylindrical aesthetic. It can deliver up to 2341 lumens, at efficacies up to 110LPW and having a rated life of 50,000 hours. Its unique, nested yoke arm enables simple, straight-down aiming if desired. Precision bayonet-mount reflectors enable uniform spot, narrow flood, flood or wide flood distributions to be achieved. These fixtures can also be fitted with a factory-assembled or field-installed accessory holder that accommodates one accessory if desired. The 21W LED Cylinder can be specified with a variety of factory-assembled track mounting adapters, making it compatible with all line voltage Juno Trac systems and system components, or with many competitive 120V track systems.



## 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 2-step MacAdam Ellipse • Exceptional 80 CRI minimum on 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 • 120V fixtures are dimmable using high quality, factory-approved dimmers - see [R610L-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 (Class A at 277V).

**Reflector** Precision designed reflectors provide uniform spot, narrow flood, flood or wide flood beam distributions • Faceted/dimpled reflector ensures a properly color-mixed beam • Accessory reflectors available to convert from one beam distribution to another in the field.

**Accessory Holder** Optional accessory holder replaces 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 Track Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit track, Trac-Lites track, 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 track light to track • Two-position power contact provided for two-circuit application.

**Alternate TEK/HTEK Track Adapters** Compatible with either Juno TEK or HTEK track systems • System specific and assembled to track 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 Track Adapter** Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type) • System specific and assembled to track fixture • Available in black, silver, and white finish only • Consult factory for additional information.

**Alternate HTYPE Track 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 track 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 Track Adapter** Compatible with track systems which use a L-type track adapter • System specific and assembled to track 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 • DesignLights Consortium® Qualified; HTEK option excluded • 90 CRI versions certified as CEC Title 24 Compliant • Union made • Assembled in U.S.A.

### 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](http://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](http://www.acuitybrands.com/support/warranty/terms-and-conditions).

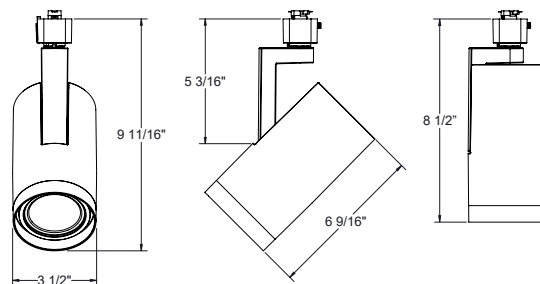
**Note:** Actual performance may differ as a result of end-user environment and application.

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

Specifications subject to change without notice.

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## DIMENSIONS



# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

#### ORDERING INFORMATION

Ordering Examples: R610L 27K 80CRI PDIM SP BL, R610L HTYPE 30K 90CRI PDIM NFL WH AHR610 WH

Series	Mounting Adapter Type	Color Temperature	Color Rendering Index	Dimming Compatibility
<b>R610L</b> Trac-Lites™ 21W LED Cylinder	<b>(Blank)</b> Juno Universal 120V Track Adapter <b>GTYPE</b> G-Type Track Adapter <b>HTYPE</b> H-Type Track Adapter <b>LTYPE</b> L-Type Track Adapter <b>TEK<sup>1</sup></b> TEK 120V Track Adapter <b>HTEK<sup>1,2</sup></b> HTEK 277V Track Adapter See page 5 for Direct Canopy Mount Option (CPY) specifications.	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K	<b>80CRI</b> 80 CRI <b>90CRI</b> 90 CRI	<b>OFF<sup>2</sup></b> On/Off (Non-Dimming) <b>PDIM</b> Phase Dimmable

Distribution	Finish	Accessory Holder Option
<b>SP</b> Spot <b>NFL</b> Narrow Flood <b>FL</b> Flood <b>WFL</b> Wide Flood	<b>BL</b> Black <b>SL</b> Silver <b>WH</b> White	<b>AHR610 BLCK</b> Accessory Holder for R610L, Black <b>AHR610 WH</b> Accessory Holder for R610L, White

Accessories (Order Separately)					
<b>AHR610 BLCK 275</b>	Accessory Holder for R610L, Black	<b>DGF 275</b>	Dichroic Glass Filters	<b>TR11 SPT</b>	Reflector – Spot
<b>AHR610 WH 275</b>	Accessory Holder for R610L, White	<b>DIFF 275</b>	Diffusion Glass Lens	<b>TR11 NFLD</b>	Reflector – Narrow Flood
<b>HCLBL 275</b>	Hexagonal Cell Louver - Black	<b>UVF 275</b>	UV Filter	<b>TR11 FLD</b>	Reflector – Flood
<b>SNOOTBL 275</b>	Snoot - Black	<b>LSPREAD 275</b>	Linear Spread Glass Lens	<b>TR11 WFLD</b>	Reflector – Wide Flood
<b>EYEBROWBL 275</b>	Eye Brow - Black	<b>PRISM 275</b>	Prismatic Spread Glass Lens		
<b>CGF 275 CLEAR</b>	Clear Glass Lens	<b>SOLITE 275</b>	Uniformity Lens (Solite)		
<b>CGF 275</b>	Color Glass Filters				

See specification sheet [D1.2.2](#) for details and color filter options. Other accessories can be found on specification sheet [D1.2.0](#).

#### Notes:

- 1 TEK/HTEK adapter is black on silver finish fixtures.
- 2 HTEK versions available with OFF option only, and OFF option only available with HTEK version only; HTEK option not qualified for DLC®.

# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

#### PERFORMANCE DATA<sup>1</sup>

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
R610L 27K 80CRI SP	120V	20.7	2227	108	50,000
R610L 27K 80CRI NFL	120V	20.7	2262	109	50,000
R610L 27K 80CRI FL	120V	20.7	2233	108	50,000
R610L 27K 80CRI WFL	120V	20.7	2177	105	50,000
R610L 27K 90CRI SP	120V	20.7	1968	95	50,000
R610L 27K 90CRI NFL	120V	20.7	1979	96	50,000
R610L 27K 90CRI FL	120V	20.7	1955	94	50,000
R610L 27K 90CRI WFL	120V	20.7	1906	92	50,000
R610L 30K 80CRI SP	120V	20.7	2350	114	50,000
R610L 30K 80CRI NFL	120V	20.7	2386	115	50,000
R610L 30K 80CRI FL	120V	20.7	2356	114	50,000
R610L 30K 80CRI WFL	120V	20.7	2297	111	50,000
R610L 30K 90CRI SP	120V	20.7	2097	101	50,000
R610L 30K 90CRI NFL	120V	20.7	2109	102	50,000
R610L 30K 90CRI FL	120V	20.7	2083	101	50,000
R610L 30K 90CRI WFL	120V	20.7	2031	98	50,000
R610L 35K 80CRI SP	120V	20.7	2364	114	50,000
R610L 35K 80CRI NFL	120V	20.7	2400	116	50,000
R610L 35K 80CRI FL	120V	20.7	2370	114	50,000
R610L 35K 80CRI WFL	120V	20.7	2310	112	50,000
R610L 35K 90CRI SP	120V	20.7	2179	105	50,000
R610L 35K 90CRI NFL	120V	20.7	2191	106	50,000
R610L 35K 90CRI FL	120V	20.7	2164	105	50,000
R610L 35K 90CRI WFL	120V	20.7	2110	102	50,000
R610L 40K 80CRI SP	120V	20.7	2379	115	50,000
R610L 40K 80CRI NFL	120V	20.7	2415	117	50,000
R610L 40K 80CRI FL	120V	20.7	2385	115	50,000
R610L 40K 80CRI WFL	120V	20.7	2325	112	50,000
R610L 40K 90CRI SP	120V	20.7	2267	110	50,000
R610L 40K 90CRI NFL	120V	20.7	2280	110	50,000
R610L 40K 90CRI FL	120V	20.7	2252	109	50,000
R610L 40K 90CRI WFL	120V	20.7	2196	106	50,000

#### ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.18A
Power Factor	>0.90
T.H.D.	<20%

<sup>1</sup>Performance data, including Rated Life, is based on measurements of an individual fixture operating at 120V in a 25°C ambient.

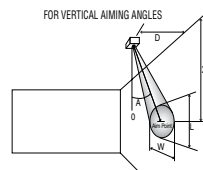
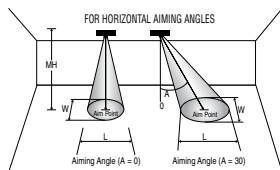
# TRAC-LITES™





## 21W LED CYLINDER

### R610L 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
R610L 21W LED, 3000K, 80CRI Spot	SP	14° 	50000	20568	10	206	2.5	2.5	134	3.3	2.9	4	161	6.9	4.2	2.0	454	4.0	2.0	1.4	8	209	4.6	2.7	2.3
					12	143	3.0	3.0	93	4.0	3.5	5	103	8.7	5.2	2.5	291	5.0	2.5	1.8	10	134	5.8	3.3	2.9
					14	105	3.5	3.5	68	4.7	4.0	6	71	10.4	6.3	3.0	202	6.0	3.0	2.1	12	93	6.9	4.0	3.5
					16	80	4.0	4.0	52	5.3	4.6	7	52	12.1	7.3	3.5	148	7.0	3.5	2.5	14	68	8.1	4.7	4.0
					18	63	4.5	4.5	41	6.0	5.2	8	40	13.9	8.4	4.0	114	8.0	4.0	2.8	16	52	9.2	5.3	4.6
R610L 21W LED, 3000K, 80CRI Narrow Flood	NFL	25° 	50000	8634	6	240	2.7	2.7	156	3.6	3.1	2.5	173	4.3	5.2	2.2	488	2.5	2.3	1.6	4	350	2.3	2.4	2.1
					8	135	3.6	3.6	88	4.8	4.1	3.0	120	5.2	6.3	2.7	339	3.0	2.8	1.9	6	156	3.5	3.6	3.1
					10	86	4.5	4.5	56	6.0	5.1	3.5	88	6.1	7.3	3.1	249	3.5	3.3	2.2	8	88	4.6	4.8	4.1
					12	60	5.3	5.3	39	7.2	6.2	4.0	67	6.9	8.4	3.6	191	4.0	3.7	2.5	10	56	5.8	6.0	5.1
					14	44	6.2	6.2	29	8.5	7.2	4.5	53	7.8	9.4	4.0	151	4.5	4.2	2.8	12	39	6.9	7.2	6.2
R610L 21W LED, 3000K, 80CRI Flood	FL	42° 	50000	4077	4	255	3.0	3.0	166	4.3	3.5	1.5	227	2.6	8.0	2.3	641	1.5	2.7	1.6	3	294	1.7	3.2	2.6
					5	163	3.8	3.8	106	5.3	4.4	2.0	127	3.5	10.7	3.0	360	2.0	3.6	2.1	4	166	2.3	4.3	3.5
					6	113	4.6	4.6	74	6.4	5.3	2.5	82	4.3	13.4	3.8	231	2.5	4.4	2.7	5	106	2.9	5.3	4.4
					7	83	5.3	5.3	54	7.4	6.1	3.0	57	5.2	16.1	4.6	160	3.0	5.3	3.2	6	74	3.5	6.4	5.3
					8	64	6.1	6.1	41	8.5	7.0	3.5	42	6.1	18.8	5.3	118	3.5	6.2	3.8	7	54	4.0	7.4	6.1
R610L 21W LED, 3000K, 80CRI Wide Flood	WFL	51° 	50000	2588	3	288	3.3	3.3	187	5.0	3.8	1.0	324	1.7	**	2.2	915	1.0	3.2	1.6	2	420	1.2	3.3	2.6
					4	162	4.4	4.4	105	6.6	5.1	1.5	144	2.6	**	3.3	407	1.5	4.8	2.4	3	187	1.7	5.0	3.8
					5	104	5.6	5.6	67	8.3	6.4	2.0	81	3.5	**	4.4	229	2.0	6.4	3.1	4	105	2.3	6.6	5.1
					6	72	6.7	6.7	47	9.9	7.7	2.5	52	4.3	**	5.6	146	2.5	8.0	3.9	5	67	2.9	8.3	6.4
					7	53	7.8	7.8	34	11.6	9.0	3.0	36	5.2	**	6.7	102	3.0	9.6	4.7	6	47	3.5	9.9	7.7

CRI/CCT Multiplier		
CRI	CCT	Multiplier
80	27K	0.96
	30K	1.00
	35K	1.02
	40K	1.03
90	27K	0.82
	30K	0.86
	35K	0.87
	40K	0.87



# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

#### DIRECT CANOPY MOUNT

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_



### PRODUCT DESCRIPTION

The R610L Series 21W LED Cylinder is an efficient and affordable accent luminaire, with a simple and timeless cylindrical aesthetic. It can deliver up to 2341 lumens, at efficacies up to 110LPW and having a rated life of 50,000 hours. Its unique, nested yoke arm enables simple, straight-down aiming if desired. Precision bayonet-mount reflectors enable uniform spot, narrow flood, flood or wide flood distributions to be achieved. These fixtures can also be fitted with a factory-assembled or field-installed accessory holder that accommodates one accessory if desired. The Canopy Mount version is designed to mount over a standard j-box and is available with a variety of performance options including 277V operation, 347V operation, phase-dimming, and 0-10V dimming.



### 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 semi-gloss or black semi-gloss 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 2-step MacAdam Ellipse • Exceptional 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum.

**Electrical/Driver** Multi-volt (120-277V, 50/60Hz) phase-dimmable or 0-10V dimmable driver mounted in a deep canopy • Optional 347V 0-10V dimmable driver mounted in a deep canopy • 0-10V dimming requires two (2) additional low-voltage wires to be pulled.

**Dimming** MVOLT versions are phase-dimmable (120V only) down to 10% or less using high quality, factory-approved dimmers - see [R600LG2-DIM](#) • MVOLT versions are also 0-10V dimmable down to as low as 1% and require two (2) additional low-voltage wires to be pulled • 347V versions are 0-10V dimmable down to as low as 1% and require two (2) additional low-voltage wires to be pulled.

**Reflector** Precision designed reflectors provide uniform spot, narrow flood, flood or wide flood beam distributions • Faceted/dimpled reflector ensures a properly color-mixed beam • Accessory reflectors available to convert from one beam distribution to another in the field.

**Accessory Holder** Optional accessory holder replaces 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.

**Mounting** Installs over a standard electrical j-box • Accent light is permanently, factory-assembled to the mounting canopy • Universal mounting plate accommodates octagon box and typical j-box mud rings • Mounting plate designed to be installed snug to mounting surface • May be ceiling or wall mounted in any orientation • Driver is assembled into mounting canopy – see Dimensions section for canopy type and dimensions based on option selected • Canopy is securely tethered to mounting plate to facilitate wiring terminations.

**Aiming** 360° horizontal coverage • 190° vertical aiming capability.

**Labels** UL and C-UL Damp Location Listed • Union made • Assembled in U.S.A.

### Government Procurement

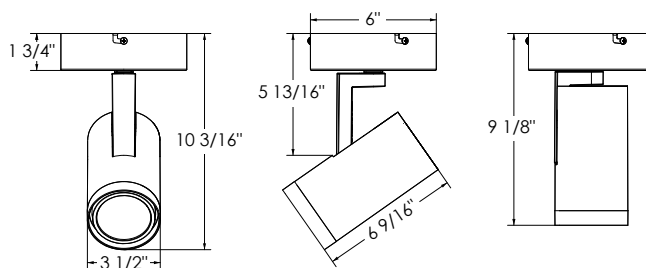
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

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](http://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](http://www.acuitybrands.com/support/warranty/terms-and-conditions).

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### DIMENSIONS



# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

### DIRECT CANOPY MOUNT

#### ORDERING INFORMATION

Ordering Example: R610L CPY 30K 80CRI MVOLT NFL BL

Series	Mounting Adapter Type	Color Temperature	Color Rendering Index	Input Voltage <sup>1</sup>	Distribution
<b>R610L</b> Trac-Lites™ 21W LED Cylinder	<b>CPY</b> Canopy Mounting	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K	<b>80CRI</b> 80 CRI <b>90CRI</b> 90 CRI	<b>MVOLT</b> 120V/277V Operation <b>347</b> 347V Operation	<b>SP</b> Spot <b>NFL</b> Narrow Flood <b>FL</b> Flood <b>WFL</b> Wide Flood

Finish	Accessory Holder Option
<b>BL</b> Black	<b>AHR610 BLCK</b> Accessory Holder for R610L, Black
<b>WH</b> White	<b>AHR610 WHT</b> Accessory Holder for R610L, White

Accessories (Order Separately)					
<b>AHR610 BLCK 275</b>	Accessory Holder for R610L, Black	<b>DGF 275</b>	Dichroic Glass Filters	<b>TR11 SPT</b>	Reflector – Spot
<b>AHR610 WHT 275</b>	Accessory Holder for R610L, White	<b>DIFF 275</b>	Diffusion Glass Lens	<b>TR11 NFLD</b>	Reflector – Narrow Flood
<b>HCLBL 275</b>	Hexagonal Cell Louver - Black	<b>UVF 275</b>	UV Filter	<b>TR11 FLD</b>	Reflector – Flood
<b>SNOOTBL 275</b>	Snoot - Black	<b>LSPREAD 275</b>	Linear Spread Glass Lens	<b>TR11 WFLD</b>	Reflector – Wide Flood
<b>EYEBROWBL 275</b>	Eye Brow - Black	<b>PRISM 275</b>	Prismatic Spread Glass Lens		
<b>CGF 275 CLEAR</b>	Clear Glass Lens	<b>SOLITE 275</b>	Uniformity Lens (Solite)		
<b>CGF 275</b>	Color Glass Filters				

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

## Notes:

<sup>1</sup> MVOLT option can be either phase-dimmed (120V) or 0-10V dimmed; 347V option is 0-10V dimming only.

# TRAC-LITES™

## 21W LED CYLINDER

### R610L SERIES

### DIRECT CANOPY MOUNT

#### PERFORMANCE DATA<sup>1</sup>

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
R610L 27K 80CRI SP	120V	20.7	2227	108	50,000
R610L 27K 80CRI NFL	120V	20.7	2262	109	50,000
R610L 27K 80CRI FL	120V	20.7	2233	108	50,000
R610L 27K 80CRI WFL	120V	20.7	2177	105	50,000
R610L 27K 90CRI SP	120V	20.7	1968	95	50,000
R610L 27K 90CRI NFL	120V	20.7	1979	96	50,000
R610L 27K 90CRI FL	120V	20.7	1955	94	50,000
R610L 27K 90CRI WFL	120V	20.7	1906	92	50,000
R610L 30K 80CRI SP	120V	20.7	2350	114	50,000
R610L 30K 80CRI NFL	120V	20.7	2386	115	50,000
R610L 30K 80CRI FL	120V	20.7	2356	114	50,000
R610L 30K 80CRI WFL	120V	20.7	2297	111	50,000
R610L 30K 90CRI SP	120V	20.7	2097	101	50,000
R610L 30K 90CRI NFL	120V	20.7	2109	102	50,000
R610L 30K 90CRI FL	120V	20.7	2083	101	50,000
R610L 30K 90CRI WFL	120V	20.7	2031	98	50,000
R610L 35K 80CRI SP	120V	20.7	2364	114	50,000
R610L 35K 80CRI NFL	120V	20.7	2400	116	50,000
R610L 35K 80CRI FL	120V	20.7	2370	114	50,000
R610L 35K 80CRI WFL	120V	20.7	2310	112	50,000
R610L 35K 90CRI SP	120V	20.7	2179	105	50,000
R610L 35K 90CRI NFL	120V	20.7	2191	106	50,000
R610L 35K 90CRI FL	120V	20.7	2164	105	50,000
R610L 35K 90CRI WFL	120V	20.7	2110	102	50,000
R610L 40K 80CRI SP	120V	20.7	2379	115	50,000
R610L 40K 80CRI NFL	120V	20.7	2415	117	50,000
R610L 40K 80CRI FL	120V	20.7	2385	115	50,000
R610L 40K 80CRI WFL	120V	20.7	2325	112	50,000
R610L 40K 90CRI SP	120V	20.7	2267	110	50,000
R610L 40K 90CRI NFL	120V	20.7	2280	110	50,000
R610L 40K 90CRI FL	120V	20.7	2252	109	50,000
R610L 40K 90CRI WFL	120V	20.7	2196	106	50,000

<sup>1</sup>Performance data, including Rated Life, is based on measurements of an individual fixture operating at 120V in a 25°C ambient.

#### ELECTRICAL DATA

Input Voltage	120V	277V	347V
Input Wattage (typ.)	22.2	22.5	22.7
Input Current (max.)	0.21A	0.09A	0.08A
Power Factor	>0.99	>0.97	>0.91
T.H.D.	<10%	<10%	<20%

# TRAC-LITES™

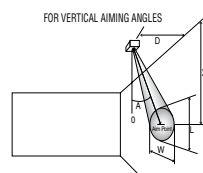
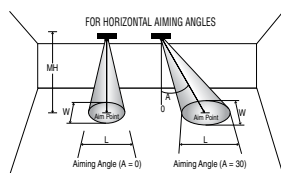
## 21W LED CYLINDER





### R610L SERIES

### DIRECT CANOPY MOUNT

**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
R610L 21W LED, 3000K, 80CRI Spot	SP	14° 	50000	20568	10	206	2.5	2.5	134	3.3	2.9	4	161	6.9	4.2	2.0	454	4.0	2.0	1.4	8	209	4.6	2.7	2.3
					12	143	3.0	3.0	93	4.0	3.5	5	103	8.7	5.2	2.5	291	5.0	2.5	1.8	10	134	5.8	3.3	2.9
					14	105	3.5	3.5	68	4.7	4.0	6	71	10.4	6.3	3.0	202	6.0	3.0	2.1	12	93	6.9	4.0	3.5
					16	80	4.0	4.0	52	5.3	4.6	7	52	12.1	7.3	3.5	148	7.0	3.5	2.5	14	68	8.1	4.7	4.0
					18	63	4.5	4.5	41	6.0	5.2	8	40	13.9	8.4	4.0	114	8.0	4.0	2.8	16	52	9.2	5.3	4.6
R610L 21W LED, 3000K, 80CRI Narrow Flood	NFL	25° 	50000	8634	6	240	2.7	2.7	156	3.6	3.1	2.5	173	4.3	5.2	2.2	488	2.5	2.3	1.6	4	350	2.3	2.4	2.1
					8	135	3.6	3.6	88	4.8	4.1	3.0	120	5.2	6.3	2.7	339	3.0	2.8	1.9	6	156	3.5	3.6	3.1
					10	86	4.5	4.5	56	6.0	5.1	3.5	88	6.1	7.3	3.1	249	3.5	3.3	2.2	8	88	4.6	4.8	4.1
					12	60	5.3	5.3	39	7.2	6.2	4.0	67	6.9	8.4	3.6	191	4.0	3.7	2.5	10	56	5.8	6.0	5.1
					14	44	6.2	6.2	29	8.5	7.2	4.5	53	7.8	9.4	4.0	151	4.5	4.2	2.8	12	39	6.9	7.2	6.2
R610L 21W LED, 3000K, 80CRI Flood	FL	42° 	50000	4077	4	255	3.0	3.0	166	4.3	3.5	1.5	227	2.6	8.0	2.3	641	1.5	2.7	1.6	3	294	1.7	3.2	2.6
					5	163	3.8	3.8	106	5.3	4.4	2.0	127	3.5	10.7	3.0	360	2.0	3.6	2.1	4	166	2.3	4.3	3.5
					6	113	4.6	4.6	74	6.4	5.3	2.5	82	4.3	13.4	3.8	231	2.5	4.4	2.7	5	106	2.9	5.3	4.4
					7	83	5.3	5.3	54	7.4	6.1	3.0	57	5.2	16.1	4.6	160	3.0	5.3	3.2	6	74	3.5	6.4	5.3
					8	64	6.1	6.1	41	8.5	7.0	3.5	42	6.1	18.8	5.3	118	3.5	6.2	3.8	7	54	4.0	7.4	6.1
R610L 21W LED, 3000K, 80CRI Wide Flood	WFL	51° 	50000	2588	3	288	3.3	3.3	187	5.0	3.8	1.0	324	1.7	**	2.2	915	1.0	3.2	1.6	2	420	1.2	3.3	2.6
					4	162	4.4	4.4	105	6.6	5.1	1.5	144	2.6	**	3.3	407	1.5	4.8	2.4	3	187	1.7	5.0	3.8
					5	104	5.6	5.6	67	8.3	6.4	2.0	81	3.5	**	4.4	229	2.0	6.4	3.1	4	105	2.3	6.6	5.1
					6	72	6.7	6.7	47	9.9	7.7	2.5	52	4.3	**	5.6	146	2.5	8.0	3.9	5	67	2.9	8.3	6.4
					7	53	7.8	7.8	34	11.6	9.0	3.0	36	5.2	**	6.7	102	3.0	9.6	4.7	6	47	3.5	9.9	7.7

#### CRI/CCT Multiplier

CRI	CCT	Multiplier
80	27K	0.96
	30K	1.00
	35K	1.02
	40K	1.03
90	27K	0.82
	30K	0.86
	35K	0.87
	40K	0.87