

Avant Garde

# 1 1W VERTICAL CYLINDER LED

T381L G2

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

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

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

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



## PRODUCT DESCRIPTION

The classic, simple appearance of the Vertical Cylinder LED fixtures offers a fresh take on a traditional aesthetic. The subtle elegance is carried through the entire design producing an understated charm. The 11W Vertical Cylinder LED fixtures have integral TIR optics which enable uniform spot, narrow flood, flood or wide flood distributions to be achieved. These fixtures have an integral, bayonet-mounted accessory holder that accommodates one accessory if desired. The 11W Vertical Cylinder LED can deliver up to 1249 lumens, at efficacies up to 114 LPW and having a rated life of 50,000 hours. Available in 2700K, 3000K, 3500K and 4000K color temperatures, the white-light 11W Vertical Cylinder LED is compatible with all Juno line voltage trac and standard adapter accessories.



## PRODUCT SPECIFICATIONS

**Construction** All-metal housing and custom designed concealed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Passively-cooled design – no moving parts to break or wear-out • Extruded aluminum vertically mounted LED driver housing • Concealed fixture wiring for a clean aesthetic • Fashionable, elegant design complements any decor • Available in white, black and silver painted 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 • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum, with an R9 value greater than 50 • Optional SpectralWhite versions are also available which make whites appear naturally brilliant and render colors more richly.

**Driver** Assembled in a side-mount vertical housing to minimize overall fixture footprint • Insulating air gap between driver and LED light engine optimizes thermal operation • Provides quiet operation with or without dimming • 120V fixtures are dimmable using high quality, factory approved reverse phase ELV dimmers - see [T381LG2-DIM](#) • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • Class B FCC Part 15 rated.

**Optics** Interchangeable computer-designed custom TIR optics available in four factory-configured beam spreads • One TIR optic provided with fixture (as specified in catalog number) • Accessory optics available to enable beam changes in the field • Beam patterns can be altered as desired using a variety of available light control accessories.

**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/HTEK Trac Adapter** Compatible with either Juno TEK or HTEK trac systems • 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 • 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 • 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 • Consult factory for additional information.

**Accessory Holder** Integral to fixture design • Die cast aluminum construction • Precision bayonet mounting • Accommodates one accessory if desired.

**Aiming** 360° horizontal coverage • Greater than 90° vertical aiming capability.

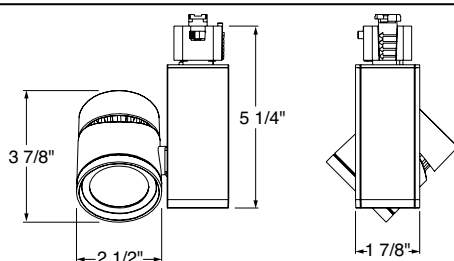
**Labels** UL and C-UL Listed • ENERGY STAR® certified • DesignLights Consortium® Qualified • 90CRI and 97CRI versions can be used to comply with California Title 24, Part 6 high efficacy LED light source requirements • Union made • Assembled in U.S.A.

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

Specifications subject to change without notice.

## DIMENSIONS



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# TRAC-MASTER®

Avant Garde

## 1 1W VERTICAL CYLINDER LED

T381L G2

### ORDERING INFORMATION

Ordering Example: T381L G2 30K SPW PDIM NFL WH

Series	Mounting Adapter Type	Generation	Color Temperature	Color Rendering Index
T381L 1 1W Vertical Cylinder LED	<b>(Blank)</b> Juno Universal 120V Trac Adapter	<b>G2</b> Generation 2	<b>27K</b> 2700K	<b>80CRI</b> 80 CRI
	<b>HTEK<sup>1</sup></b> HTEK 277V Trac Adapter		<b>30K</b> 3000K	<b>90CRI</b> 90 CRI
	<b>TEK</b> TEK 120V Trac Adapter		<b>35K</b> 3500K	<b>SPW<sup>2</sup></b> SpectralWhite
	<b>GTYPE</b> G-Type Trac Adapter		<b>40K</b> 4000K	
	<b>HTYPE</b> H-Type Trac Adapter			
	<b>LTYPE</b> L-Type Trac Adapter			

Dimming Compatibility	Distribution	Finish
<b>OFF<sup>1</sup></b> On/Off (Non-Dimming)	<b>SP</b> Spot	<b>BL</b> Black
<b>PDIM</b> Phase Dimmable	<b>NFL</b> Narrow Flood	<b>SL</b> Silver
	<b>FL</b> Flood	<b>WH</b> White
	<b>WFL</b> Wide Flood	

Accessories							
<b>HCLBL 200</b> Hexcell Louver - Black	<b>DGF 200</b> Dichroic Glass Filters	<b>SOLITE 200</b> Uniformity Lens	<b>TIR1 SPT</b> TIR Optic - Spot				
<b>SNOOTBL 200</b> Snoot - Black	<b>DCCF 200<sup>3</sup></b> Dichroic Color Correction Filter	<b>PRISM 200</b> Prismatic Spread Lens	<b>TIR1 NFLD</b> TIR Optic - Narrow Flood				
<b>EYEBROWBL 200</b> Eyebrow - Black	<b>UVF 200</b> UV Filter	<b>LSPREAD 200</b> Linear Spread Lens	<b>TIR1 FLD</b> TIR Optic - Flood				
<b>CGF 200</b> Color Glass Filters	<b>DIFF 200</b> Diffusion Lens	<b>T40N<sup>4</sup></b> Monopoint Canopy	<b>TIR5 WFLD</b> TIR Optic - Wide Flood				

See specification sheet [D1.2.2](#) for details.

Other accessories can be found on specification sheet [D1.2.0](#).

Notes:

- HTEK versions available with OFF option only, and OFF option available with HTEK version only.
- 3000K and 3500K only.
- DCCF 200 HAL2700 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.
- Add finish code to complete catalog number (Example: T40N WH).



# 1 1W VERTICAL CYLINDER LED

## T381L G2

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

Catalog Number	Input Voltage	Input Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T381L G2 27K 80CRI PDIM SP	120V	11.0	1142	104	50,000
T381L G2 27K 80CRI PDIM NFL	120V	11.0	1121	102	50,000
T381L G2 27K 80CRI PDIM FL	120V	11.0	1159	105	50,000
T381L G2 27K 80CRI PDIM WFL	120V	11.0	1063	97	50,000
T381L G2 27K 90CRI PDIM SP	120V	11.0	986	90	50,000
T381L G2 27K 90CRI PDIM NFL	120V	11.0	968	88	50,000
T381L G2 27K 90CRI PDIM FL	120V	11.0	1001	91	50,000
T381L G2 27K 90CRI PDIM WFL	120V	11.0	918	83	50,000
T381L G2 30K 80CRI PDIM SP	120V	11.0	1142	104	50,000
T381L G2 30K 80CRI PDIM NFL	120V	11.0	1121	102	50,000
T381L G2 30K 80CRI PDIM FL	120V	11.0	1159	105	50,000
T381L G2 30K 80CRI PDIM WFL	120V	11.0	1063	97	50,000
T381L G2 30K 90CRI PDIM SP	120V	11.0	1007	92	50,000
T381L G2 30K 90CRI PDIM NFL	120V	11.0	989	90	50,000
T381L G2 30K 90CRI PDIM FL	120V	11.0	1022	93	50,000
T381L G2 30K 90CRI PDIM WFL	120V	11.0	937	85	50,000
T381L G2 30K SPW PDIM SP	120V	11.0	1054	96	50,000
T381L G2 30K SPW PDIM NFL	120V	11.0	1034	94	50,000
T381L G2 30K SPW PDIM FL	120V	11.0	1069	97	50,000
T381L G2 30K SPW PDIM WFL	120V	11.0	981	89	50,000
T381L G2 35K 80CRI PDIM SP	120V	11.0	1209	110	50,000
T381L G2 35K 80CRI PDIM NFL	120V	11.0	1187	108	50,000
T381L G2 35K 80CRI PDIM FL	120V	11.0	1227	112	50,000
T381L G2 35K 80CRI PDIM WFL	120V	11.0	1126	102	50,000
T381L G2 35K 90CRI PDIM SP	120V	11.0	1069	97	50,000
T381L G2 35K 90CRI PDIM NFL	120V	11.0	1050	95	50,000
T381L G2 35K 90CRI PDIM FL	120V	11.0	1085	99	50,000
T381L G2 35K 90CRI PDIM WFL	120V	11.0	995	90	50,000
T381L G2 35K SPW PDIM SP	120V	11.0	1080	98	50,000
T381L G2 35K SPW PDIM NFL	120V	11.0	1060	96	50,000
T381L G2 35K SPW PDIM FL	120V	11.0	1096	100	50,000
T381L G2 35K SPW PDIM WFL	120V	11.0	1005	91	50,000
T381L G2 40K 80CRI PDIM SP	120V	11.0	1230	112	50,000
T381L G2 40K 80CRI PDIM NFL	120V	11.0	1208	110	50,000
T381L G2 40K 80CRI PDIM FL	120V	11.0	1249	114	50,000
T381L G2 40K 80CRI PDIM WFL	120V	11.0	1145	104	50,000
T381L G2 40K 90CRI PDIM SP	120V	11.0	1090	99	50,000
T381L G2 40K 90CRI PDIM NFL	120V	11.0	1070	97	50,000
T381L G2 40K 90CRI PDIM FL	120V	11.0	1106	101	50,000
T381L G2 40K 90CRI PDIM WFL	120V	11.0	1015	92	50,000

## Notes:

<sup>1</sup> 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.)	0.10A
Power Factor	>0.90
T.H.D.	<20%



# TRAC-MASTER®

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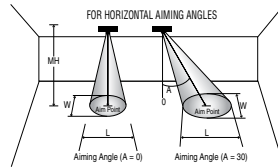
## 1 1W VERTICAL CYLINDER LED

T381L G2

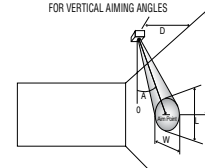
### PHOTOMETRICS

**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
Vertical Cylinder 11W LED, 30K, 80CRI Spot	SP	16°	50000	10952	6	304	1.7	1.7	198	2.2	1.9	3	152	5.2	3.6	1.7	430	3.0	1.7	1.2	6	198	3.5	2.2	1.9
					8	171	2.2	2.2	111	3.0	2.6	4	86	6.9	4.7	2.2	242	4.0	2.3	1.6	8	111	4.6	3.0	2.6
					10	110	2.8	2.8	71	3.7	3.2	5	55	8.7	5.9	2.8	155	5.0	2.8	2.0	10	71	5.8	3.7	3.2
					12	76	3.4	3.4	49	4.5	3.9	6	38	10.4	7.1	3.4	108	6.0	3.4	2.4	12	49	6.9	4.5	3.9
					14	56	3.9	3.9	36	5.2	4.5	7	28	12.1	8.3	3.9	79	7.0	4.0	2.8	14	36	8.1	5.2	4.5
Vertical Cylinder 11W LED, 30K, 80CRI Narrow Flood	NFL	26°	50000	4637	4	290	1.9	1.9	188	2.5	2.1	2	145	3.5	4.4	1.9	410	2.0	2.0	1.3	4	188	2.3	2.5	2.1
					6	129	2.8	2.8	84	3.8	3.2	3	64	5.2	6.7	2.8	182	3.0	3.0	2.0	6	84	3.5	3.8	3.2
					8	72	3.7	3.7	47	5.1	4.3	4	36	6.9	8.9	3.7	102	4.0	3.9	2.6	8	47	4.6	5.1	4.3
					10	46	4.7	4.7	30	6.3	5.4	5	23	8.7	11.1	4.7	66	5.0	4.9	3.3	10	30	5.8	6.3	5.4
					12	32	5.6	5.6	21	7.6	6.4	6	16	10.4	13.3	5.6	46	6.0	5.9	3.9	12	21	6.9	7.6	6.4
Vertical Cylinder 11W LED, 30K, 80CRI Flood	FL	38°	50000	2693	4	168	2.7	2.7	109	3.8	3.2	1	337	1.7	4.2	1.4	952	1.0	1.5	1.0	3	194	1.7	2.8	2.4
					5	108	3.4	3.4	70	4.7	3.9	2	84	3.5	8.4	2.7	238	2.0	3.1	1.9	4	109	2.3	3.8	3.2
					6	75	4.1	4.1	49	5.7	4.7	3	37	5.2	12.6	4.1	106	3.0	4.6	2.9	5	70	2.9	4.7	3.9
					7	55	4.8	4.8	36	6.6	5.5	4	21	6.9	16.8	5.5	60	4.0	6.2	3.9	6	49	3.5	5.7	4.7
					8	42	5.5	5.5	27	7.6	6.3	5	13	8.7	21.0	6.8	38	5.0	7.7	4.8	7	36	4.0	6.6	5.5
Vertical Cylinder 11W LED, 30K, 80CRI Wide Flood	WFL	51°	50000	1304	2	326	1.9	1.9	212	2.7	2.2	1.0	163	1.7	11.5	1.9	461	1.0	2.4	1.3	2	212	1.2	2.7	2.2
					3	145	2.8	2.8	94	4.1	3.3	1.5	72	2.6	17.2	2.8	205	1.5	3.7	2.0	3	94	1.7	4.1	3.3
					4	82	3.8	3.8	53	5.4	4.4	2.0	41	3.5	22.9	3.8	115	2.0	4.9	2.7	4	53	2.3	5.4	4.4
					5	52	4.7	4.7	34	6.8	5.5	2.5	26	4.3	**	4.7	74	2.5	6.1	3.3	5	34	2.9	6.8	5.5
					6	36	5.7	5.7	24	8.2	6.5	3.0	18	5.2	**	5.7	51	3.0	7.3	4.0	6	24	3.5	8.2	6.5

For 27K 80CRI fixtures, use 1.00 multiplier; For 27K 90CRI fixtures, use 0.86 multiplier.  
 For 30K 90CRI fixtures, use 0.88 multiplier; For 30K SPW fixtures, use 0.92 multiplier.  
 For 35K 80CRI fixtures, use 1.06 multiplier; For 35K 90CRI fixtures, use 0.94 multiplier; For 35K SPW fixtures, use 0.95 multiplier.  
 For 40K 80CRI fixtures, use 1.08 multiplier; For 40K 90CRI fixtures, use 0.95 multiplier  
 \*\*Due to steep aiming angle, length of beam extends beyond 25'.