



TRAC-MASTER®

Avant Garde

24W VERTICAL CYLINDER LED

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



T383L G2

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 24W 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 up to two accessories if desired. The 24W Vertical Cylinder LED can deliver up to 2446 lumens, at efficacies up to 102LPW and having a rated life of 50,000 hours. Available in 2700K, 3000K, 3500K and 4000K color temperatures, the white-light 24W 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 • 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 [T383LG2-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 up to two accessories if desired.

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

Labels UL and C-UL Listed • ENERGY STAR® certified • 80 CRI versions are 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.

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.

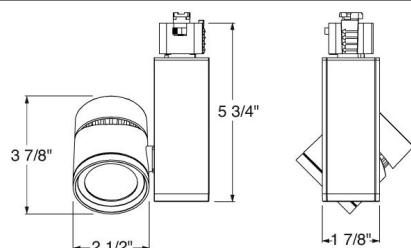
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

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

Specifications subject to change without notice.

DIMENSIONS



ConTech is a registered trademark of ConTech Lighting.





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ORDERING INFORMATION

Ordering Example: T383L G2 27K 80CRI PDIM SP BL

Series	Mounting Adapter Type	Generation	Color Temperature	Color Rendering Index
T383L 24W Vertical Cylinder LED	(Blank) Juno Universal 120V Trac Adapter	G2 Generation 2	27K 2700K	80CRI 80 CRI
	HTEK ¹ HTEK 277V Trac Adapter		30K 3000K	90CRI 90 CRI
	TEK TEK 120V Trac Adapter		35K 3500K	SPW ² SpectralWhite
	GTYPE G-Type Trac Adapter		40K 4000K	
	HTYPE H-Type Trac Adapter			
	LTYPE L-Type Trac Adapter			

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

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

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

Notes:

- 1 HTEK versions available with OFF option only, and OFF option available with HTEK versions only.
- 2 3000K and 3500K only.
- 3 DCCF 200 HAL2700 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.
- 4 Add finish code to complete catalog number (Example: T40N WH).



24W VERTICAL CYLINDER LED

T383L G2

PERFORMANCE DATA¹

Catalog Number	Input Voltage	Input Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T383L G2 27K 80CRI PDIM SP	120V	24.1	2238	93	50,000
T383L G2 27K 80CRI PDIM NFL	120V	24.1	2228	92	50,000
T383L G2 27K 80CRI PDIM FL	120V	24.1	2271	94	50,000
T383L G2 27K 80CRI PDIM WFL	120V	24.1	2128	88	50,000
T383L G2 27K 90CRI PDIM SP	120V	24.1	1933	80	50,000
T383L G2 27K 90CRI PDIM NFL	120V	24.1	1924	80	50,000
T383L G2 27K 90CRI PDIM FL	120V	24.1	1961	81	50,000
T383L G2 27K 90CRI PDIM WFL	120V	24.1	1838	76	50,000
T383L G2 30K 80CRI PDIM SP	120V	24.1	2238	93	50,000
T383L G2 30K 80CRI PDIM NFL	120V	24.1	2228	92	50,000
T383L G2 30K 80CRI PDIM FL	120V	24.1	2271	94	50,000
T383L G2 30K 80CRI PDIM WFL	120V	24.1	2128	88	50,000
T383L G2 30K 90CRI PDIM SP	120V	24.1	1974	82	50,000
T383L G2 30K 90CRI PDIM NFL	120V	24.1	1965	82	50,000
T383L G2 30K 90CRI PDIM FL	120V	24.1	2003	83	50,000
T383L G2 30K 90CRI PDIM WFL	120V	24.1	1877	78	50,000
T383L G2 30K SPW PDIM SP	120V	24.1	2065	86	50,000
T383L G2 30K SPW PDIM NFL	120V	24.1	2056	85	50,000
T383L G2 30K SPW PDIM FL	120V	24.1	2096	87	50,000
T383L G2 30K SPW PDIM WFL	120V	24.1	1964	81	50,000
T383L G2 35K 80CRI PDIM SP	120V	24.1	2370	98	50,000
T383L G2 35K 80CRI PDIM NFL	120V	24.1	2360	98	50,000
T383L G2 35K 80CRI PDIM FL	120V	24.1	2405	100	50,000
T383L G2 35K 80CRI PDIM WFL	120V	24.1	2254	94	50,000
T383L G2 35K 90CRI PDIM SP	120V	24.1	2096	87	50,000
T383L G2 35K 90CRI PDIM NFL	120V	24.1	2086	87	50,000
T383L G2 35K 90CRI PDIM FL	120V	24.1	2126	88	50,000
T383L G2 35K 90CRI PDIM WFL	120V	24.1	1993	83	50,000
T383L G2 35K SPW PDIM SP	120V	24.1	2116	88	50,000
T383L G2 35K SPW PDIM NFL	120V	24.1	2106	87	50,000
T383L G2 35K SPW PDIM FL	120V	24.1	2147	89	50,000
T383L G2 35K SPW PDIM WFL	120V	24.1	2012	83	50,000
T383L G2 40K 80CRI PDIM SP	120V	24.1	2411	100	50,000
T383L G2 40K 80CRI PDIM NFL	120V	24.1	2400	100	50,000
T383L G2 40K 80CRI PDIM FL	120V	24.1	2446	102	50,000
T383L G2 40K 80CRI PDIM WFL	120V	24.1	2292	95	50,000
T383L G2 40K 90CRI PDIM SP	120V	24.1	2136	89	50,000
T383L G2 40K 90CRI PDIM NFL	120V	24.1	2127	88	50,000
T383L G2 40K 90CRI PDIM FL	120V	24.1	2168	90	50,000
T383L G2 40K 90CRI PDIM WFL	120V	24.1	2031	84	50,000

Notes:

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

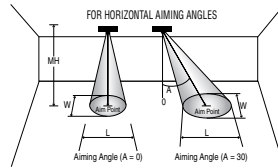
ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.22A
Power Factor	>0.90
T.H.D.	<20%

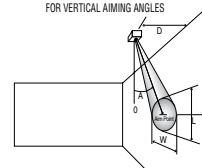
PHOTOMETRICS

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 24W LED, 30K, 80CRI Spot	SP	16°	50000	21541	8	337	2.2	2.2	219	3.0	2.6	4	168	6.9	4.7	2.2	476	4.0	2.3	1.6	8	219	4.6	3.0	2.6
					10	215	2.8	2.8	140	3.7	3.2	5	108	8.7	5.9	2.8	305	5.0	2.8	2.0	10	140	5.8	3.7	3.2
					12	150	3.4	3.4	97	4.5	3.9	6	75	10.4	7.1	3.4	212	6.0	3.4	2.4	12	97	6.9	4.5	3.9
					14	110	3.9	3.9	71	5.2	4.5	7	55	12.1	8.3	3.9	155	7.0	4.0	2.8	14	71	8.1	5.2	4.5
					16	84	4.5	4.5	55	6.0	5.2	8	42	13.9	9.5	4.5	119	8.0	4.6	3.2	16	55	9.2	6.0	5.2
Vertical Cylinder 24W LED, 30K, 80CRI Narrow Flood	NFL	27°	50000	9269	6	257	2.8	2.8	167	3.9	3.3	2	290	3.5	4.5	1.9	819	2.0	2.0	1.3	6	167	3.5	3.9	3.3
					8	145	3.8	3.8	94	5.1	4.4	3	129	5.2	6.8	2.8	364	3.0	3.0	2.0	7	123	4.0	4.5	3.8
					10	93	4.7	4.7	60	6.4	5.5	4	72	6.9	9.1	3.8	205	4.0	4.0	2.7	8	94	4.6	5.1	4.4
					12	64	5.7	5.7	42	7.7	6.6	5	46	8.7	11.4	4.7	131	5.0	5.0	3.3	9	74	5.2	5.8	4.9
					14	47	6.6	6.6	31	9.0	7.6	6	32	10.4	13.6	5.7	91	6.0	6.0	4.0	10	60	5.8	6.4	5.5
Vertical Cylinder 24W LED, 30K, 80CRI Flood	FL	38°	50000	5223	4	326	2.8	2.8	212	3.8	3.2	2	163	3.5	8.6	2.8	462	2.0	3.1	1.9	3	377	1.7	2.9	2.4
					5	209	3.4	3.4	136	4.8	4.0	3	73	5.2	12.8	4.1	205	3.0	4.7	2.9	4	212	2.3	3.8	3.2
					6	145	4.1	4.1	94	5.7	4.8	4	41	6.9	17.1	5.5	115	4.0	6.3	3.9	5	136	2.9	4.8	4.0
					7	107	4.8	4.8	69	6.7	5.6	5	26	8.7	21.4	6.9	74	5.0	7.8	4.9	6	94	3.5	5.7	4.8
					8	82	5.5	5.5	53	7.6	6.4	6	18	10.4	**	8.3	51	6.0	9.4	5.8	7	69	4.0	6.7	5.6
Vertical Cylinder 24W LED, 30K, 80CRI Wide Flood	WFL	53°	50000	2365	2	591	2.0	2.0	384	2.9	2.3	1.0	296	1.7	14.9	2.0	836	1.0	2.6	1.4	2	384	1.2	2.9	2.3
					3	263	3.0	3.0	171	4.3	3.4	1.5	131	2.6	22.4	3.0	372	1.5	3.9	2.1	3	171	1.7	4.3	3.4
					4	148	4.0	4.0	96	5.7	4.6	2.0	74	3.5	**	4.0	209	2.0	5.2	2.8	4	96	2.3	5.7	4.6
					5	95	4.9	4.9	61	7.2	5.7	2.5	47	4.3	**	4.9	134	2.5	6.6	3.5	5	61	2.9	7.2	5.7
					6	66	5.9	5.9	43	8.6	6.9	3.0	33	5.2	**	5.9	93	3.0	7.9	4.2	6	43	3.5	8.6	6.9

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'.