


TRAC-MASTER®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

Avant Garde

CYLINDRA™ 35W LED


Buy American

T255L G2

PRODUCT DESCRIPTION

The Juno Cylindra™ 35W LED trac fixture approximates the mean light output and distribution of 70W PAR30L ceramic metal halide lamps, utilizing about half the amount of energy, but having a rated life of 50,000 hours and significantly better lumen maintenance over life. Available in 2700K, 3000K, 3500K and 4000K color temperatures and 80 or 90 CRI, the white-light Cylindra LED is compatible with all Juno line voltage trac. The contemporary styling of the Cylindra LED enables it to subtly enhance practically any decor without diverting attention from the surrounding environment. Soft curved surfaces combine with clean, crisp edges to provide a uniquely attractive aesthetic. Cylindra's integral, bayonet-mounted accessory holder accommodates up to two accessories if desired.



PRODUCT SPECIFICATIONS

Construction Die cast aluminum housing provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Fashionable, elegant design complements any decor • Available in white, black and silver powder coated finishes.

LED High performance LED array provides outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum • Optional SpectralWhite color/white enhancing versions are available which make white appear naturally brilliant and render colors more richly.

Driver Assembled into heat dissipating aluminum housing and positioned above fixture housing to minimize overall fixture footprint • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • Class B EMC Part 15 rated.

Dimming 120V fixtures are dimmable using high quality, factory approved residential phase dimmers - see [T255LG2-DIM](#).

Reflector Precision designed integral reflector provides either spot, narrow flood or wide 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 without the use of tools • Beam patterns can be altered as desired using a variety of available light control accessories.

Juno Universal Trac Adapter Universally compatible with both TracMaster 1-circuit or 2-circuit trac, Trac-Lites trac, monopoints and special mountings • Also UL Recognized for use on ConTech® LT series track • Oversized hole adapter for greater mounting stability • Copper alloy contacts provide precise spring action - no arcing and will mate a set • 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 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 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 housing • Die cast aluminum construction • Precision bayonet mounting • Accommodates up to two accessories if desired.

Aiming 360° horizontal coverage • Greater than 120° vertical aiming capability.

Mounting For ceiling mount installations only.

Labels UL and cUL Listed • 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 for additional information.

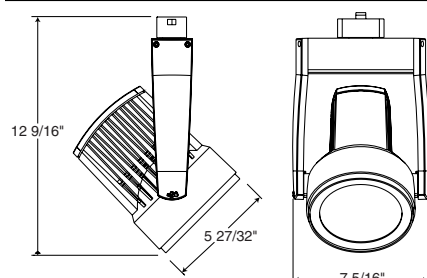
Warranty 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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



ConTech is a registered trademark of ConTech Lighting.




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T255L G2
ORDERING INFORMATION

Ordering Example: T255L G2 27K 80CRI PDIM NFL WH

Series	Mounting Adapter Type	Generation	Color Temperature	Color Rendering Index	Dimming Compatibility	Distribution	Finish
T255L 35W Conix LED	(Blank) Universal 120V Trac Adapter	G2 Gen 2	27K 2700K	80CRI 80 CRI	OFF ¹ On/Off (Non-Dimming) PDIM Phase Dimmable	SP Spot NFL Narrow FL Flood	BL Black SL Silver WH White
	HTEK ¹ HTEK 277V Trac Adapter		30K 3000K	90CRI 90 CRI			
	TEK TEK 120V Trac Adapter		35K 3500K	SPW ² SpectralWhite			
	HTYPE H-Type Trac Adapter		40K 4000K				
	LTYPE L-Type Trac Adapter						

Accessories			
HCLBL 469	Hexcell Louver - Black	CGF 469	Color Glass Filters
CCLBL 469	Cube Cell Louver - Black	DGF 469	Dichroic Glass Filter
XBAFLBL 469	Cross Baffle - Black	DCCF 469 ³	Dichroic Color Correction Filter
SNOOTBL 469	Snoot - Black	UVF 469	UV Filter
EYEBROWBL 469	EyeBrow - Black	DIFF 469	Diffusion Lens
TBDR BLCK 469	Barn Doors - Black	SOLITE 469	Uniformity Lens
		PRISM 469	Prismatic Spread Lens
		LINEAR 469	Linear Spread Lens
		MONOPOINT 469	Monopoint Canopy
		REFLECTOR SPOT 469	Reflector - Spot
		REFLECTOR NARROW FLOOD 469	Reflector - Narrow Flood
		REFLECTOR FLOOD 469	Reflector - Flood

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

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

Notes:

- HTEK versions available with OFF option only, and OFF option only 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).


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T255L G2
PERFORMANCE DATA¹

Catalog Number	Input Voltage	Input Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T255L G2 27K 80CRI SP	120V	35.5	3423	96	50,000
T255L G2 27K 80CRI NFL	120V	35.5	3444	97	50,000
T255L G2 27K 80CRI FL	120V	35.5	3420	96	50,000
T255L G2 27K 90CRI SP	120V	35.5	2788	79	50,000
T255L G2 27K 90CRI NFL	120V	35.5	2805	79	50,000
T255L G2 27K 90CRI FL	120V	35.5	2786	78	50,000
T255L G2 30K 80CRI SP	120V	35.5	3529	99	50,000
T255L G2 30K 80CRI NFL	120V	35.5	3550	100	50,000
T255L G2 30K 80CRI FL	120V	35.5	3526	99	50,000
T255L G2 30K 90CRI SP	120V	35.5	2894	82	50,000
T255L G2 30K 90CRI NFL	120V	35.5	2911	82	50,000
T255L G2 30K 90CRI FL	120V	35.5	2891	81	50,000
T255L G2 30K SPW SP	120V	35.5	3070	86	50,000
T255L G2 30K SPW NFL	120V	35.5	3089	87	50,000
T255L G2 30K SPW FL	120V	35.5	3068	86	50,000
T255L G2 35K 80CRI SP	120V	35.5	3670	103	50,000
T255L G2 35K 80CRI NFL	120V	35.5	3692	104	50,000
T255L G2 35K 80CRI FL	120V	35.5	3667	103	50,000
T255L G2 35K 90CRI SP	120V	35.5	3000	85	50,000
T255L G2 35K 90CRI NFL	120V	35.5	3018	85	50,000
T255L G2 35K 90CRI FL	120V	35.5	2997	84	50,000
T255L G2 35K SPW SP	120V	35.5	3176	89	50,000
T255L G2 35K SPW NFL	120V	35.5	3173	89	50,000
T255L G2 35K SPW FL	120V	35.5	3173	89	50,000
T255L G2 40K 80CRI SP	120V	35.5	3705	104	50,000
T255L G2 40K 80CRI NFL	120V	35.5	3728	105	50,000
T255L G2 40K 80CRI FL	120V	35.5	3700	104	50,000
T255L G2 40K 90CRI SP	120V	35.5	3070	86	50,000
T255L G2 40K 90CRI NFL	120V	35.5	3089	87	50,000
T255L G2 40K 90CRI FL	120V	35.5	3068	86	50,000

ELECTRICAL DATA

Input Voltage	120V
Input Current (max.)	0.34A
Power Factor	>0.92
T.H.D.	<20%

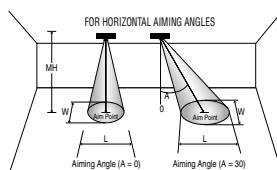
Notes:

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

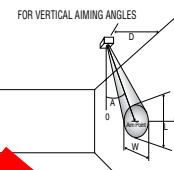
PHOTOMETRICS

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	D	FC	X	L	W	D	FC	X	L
Cylindra 35W LED, 30K, 80CRI Spot	SP	10° 	50000	59171	14	302	2.4	2.4	196	3.2	2.8	6	205	10	4.3	5.9	6.0	2.1	1.5	12	267	6.9	2.8	2.4	
					16	231	2.8	2.8	150	3.7	3.2	8	116	1	5.7	2.8	8.0	2.8	2.0	14	196	8.1	3.2	2.8	
					18	183	3.1	3.1	119	4.2	3.6	10	71	17	5.7	3.5	10.0	3.5	2.4	16	150	9.2	3.7	3.2	
					20	148	3.5	3.5	96	4.6	4.0	12	51	20.8	4.2	4.2	12.0	4.2	2.9	18	119	10.4	4.2	3.6	
					22	122	3.8	3.8	79	5.1	4.4	14	38	24.2	9.9	4.7	107	14.0	4.9	3.4	20	96	11.5	4.6	4.0
Cylindra 35W LED, 30K, 80CRI Narrow Flood	NFL	23° 	50000	13929	8	218	3.3	3.3	141	4.5	3.8	4	109	1	7.6	3.3	308	4.0	3.4	2.3	6	251	3.5	3.3	2.9
					10	139	4.1	4.1	90	5.7	4.8	6	70	8	9.5	4.1	197	5.0	4.3	2.9	8	141	4.6	4.5	3.8
					12	97	4.9	4.9	63	6.7	5.7	6	40	11.3	4.9	4.9	137	6.0	5.2	3.5	10	90	5.8	5.6	4.8
					14	71	5.8	5.8	46	7.8	6.6	7	36	12.1	13.2	5.8	101	7.0	6.0	4.1	12	63	6.9	6.7	5.7
					16	54	6.6	6.6	35	8.9	7.6	27	13.9	15.1	6.6	77	8.0	6.9	4.7	14	46	8.1	7.8	6.7	
Cylindra 35W LED, 30K, 80CRI Flood	FL	41° 	50000	7073	6	196	4.5	4.5	127	5.2	5.2	3	103	5.2	15.9	4.5	278	3.0	5.3	3.2	5	184	2.9	5.3	4.4
					7	144	5.0	5.0	90	7.0	6.6	4	55	6.9	18.5	5.7	156	4.0	6.5	4.0	6	128	3.5	6.0	4.9
					8	111	5.7	5.7	70	8.0	6.6	35	8.7	23.1	7.1	100	5.0	8.2	5.0	7	94	4.0	7.0	5.8	
					9	87	6.4	6.4	54	8.9	7.4	6	25	10.4	**	8.6	69	6.0	9.8	6.1	8	72	4.6	8.0	6.6
					10	71	7.1	7.1	46	9.2	8.2	7	18	12.1	**	10.0	51	7.0	11.5	7.1	9	57	5.2	8.9	7.4

For 27K 80CRI fixtures, use 0.97 multiplier; For 27K 90CRI fixtures, use 0.79 multiplier.

For 30K 90CRI fixtures, use 0.82 multiplier; For 30K SPW fixtures, use 0.87 multiplier.

For 35K 80CRI fixtures, use 1.04 multiplier; For 35K 90CRI fixtures, use 0.87 multiplier; For 35K SPW fixtures, use 0.90 multiplier.

For 40K 80CRI fixtures, use 1.05 multiplier; For 40K 90CRI fixtures, use 0.77 multiplier.

**Due to steep aiming angle, length of beam extends beyond 25'.