



TRAC-MASTER®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

Avant Garde CYLINDRA™ 18W/19W LED



T254L

PRODUCT DESCRIPTION

The Cylindra™ 18W/19W LED approximates the light output and distribution of 75W PAR30 halogen lamps, utilizing approximately 1/4 of the energy and having a rated life of 50,000 hours. Available in 2700K, 3000K, 3500K and 4000K color temperatures with a minimum 80 CRI. Optional high CRI versions are available in 2700K or 3000K with a minimum 90 CRI and R9 greater than 50. There are also Enhanced Spectrum versions to bring out color depth in retail goods, artwork, etc. 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.



Cylindra 18W LED

Construction Die cast aluminum housing provides outstanding thermal management of LED, yielding 70% average lumen maintenance at 50,000 hours of operation • 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 • Exceptional 80 CRI minimum on a standard product • Optional high CRI 2700K and 3000K versions offer 90 CRI minimum with a R9 value greater than 50 • Optional 2700K, 3000K and 3500K Enhanced Spectrum versions, which operate at 19W, offer color quality scale (CQS) scores of 90+ to make colors pop.

Driver Concealed in rear housing to minimize overall fixture footprint • Provides quiet operation with or without dimming • Dimmable using high quality reverse phase electronic low voltage (ELV) dimmers – contact factory for a list of Juno approved dimmers – see [D1.3.35.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 Interchangeable computer-designed custom faceted reflectors available in three factory-configured beam spreads • One reflector provided with fixture (as specified in catalog number) • Accessory reflectors available to enable beam changes in the field • Beam patterns can be altered as desired using a variety of available light control accessories.

Adapter 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 fixture to trac • "Pull-up" contact to up position for two-circuit application.

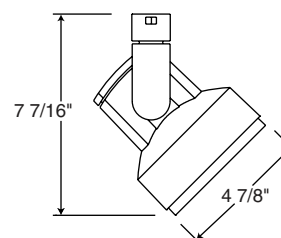
Accessory Holder Integral to fixture design • Die cast aluminum construction • Precision bayonet mounting • Accommodates up to two accessories if desired.

Aiming 360° horizontal coverage • 105° vertical aiming capability.

Labels UL and C-UL Listed • ENERGY STAR® and DesignLights Consortium® qualified (except Enhanced Spectrum versions).

Warranty Warranty period is 5 years from date of purchase • Standard Juno Lighting Group product guarantee terms and conditions apply. Product specifications subject to change without notice.

DIMENSIONS



ACCESSORIES

Cat. No.	Description	Cat. No.	Description
T569BL	Cube Cell Louver	T5678	Linear Spread Lens
T561-6	Color Filters	TR2-CL-SP	Reflector - Spot
T5618¹	Color Correction Filter	TR2-CL-NFL	Reflector - Narrow Flood
T5621	Uniformity Lens	TR2-CL-FL	Reflector - Flood
T5677	Prismatic Spread Lens		

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

¹T5618 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.

ORDERING INFORMATION:

Fixture Type	Color Temperature	Color Rendering Index	Beam Spread	Finish
T254L	27K 2700K	Blank 80 CRI Minimum	S Spot	BL Black
18W/19W	3K 3000K	HC 90 CRI Minimum	N Narrow Flood	SL Silver
Cylindra LED	35K 3500K	ES Enhanced Spectrum	F Wide Flood	WH White
	4K 4000K	(2700K, 3000K & 3500K only)		

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PERFORMANCE DATA¹:

Catalog Number	Voltage	Input Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
T254L-27K-S	120V	17.8	1241	70	50,000
T254L-27K-N	120V	17.8	1292	73	50,000
T254L-27K-F	120V	17.8	1304	73	50,000
T254L-27K-HC-S	120V	17.8	1074	60	50,000
T254L-27K-HC-N	120V	17.8	1119	63	50,000
T254L-27K-HC-F	120V	17.8	1129	63	50,000
T254L-27K-ES-S	120V	19.0	716	38	50,000
T254L-27K-ES-N	120V	19.0	746	39	50,000
T254L-27K-ES-F	120V	19.0	753	40	50,000
T254L-3K-S	120V	17.8	1279	72	50,000
T254L-3K-N	120V	17.8	1332	75	50,000
T254L-3K-F	120V	17.8	1344	76	50,000
T254L-3K-HC-S	120V	17.8	1113	63	50,000
T254L-3K-HC-N	120V	17.8	1159	65	50,000
T254L-3K-HC-F	120V	17.8	1169	66	50,000
T254L-3K-ES-S	120V	19.0	742	39	50,000
T254L-3K-ES-N	120V	19.0	773	41	50,000
T254L-3K-ES-F	120V	19.0	780	41	50,000
T254L-35K-S	120V	17.8	1330	75	50,000
T254L-35K-N	120V	17.8	1385	78	50,000
T254L-35K-F	120V	17.8	1398	79	50,000
T254L-35K-HC-S	120V	17.8	1151	65	50,000
T254L-35K-HC-N	120V	17.8	1199	67	50,000
T254L-35K-HC-F	120V	17.8	1210	68	50,000
T254L-35K-ES-S	120V	19.0	767	40	50,000
T254L-35K-ES-N	120V	19.0	799	42	50,000
T254L-35K-ES-F	120V	19.0	806	42	50,000
T254L-4K-S	120V	17.8	1369	77	50,000
T254L-4K-N	120V	17.8	1425	80	50,000
T254L-4K-F	120V	17.8	1438	81	50,000
T254L-4K-HC-S	120V	17.8	1202	68	50,000
T254L-4K-HC-N	120V	17.8	1252	70	50,000
T254L-4K-HC-F	120V	17.8	1263	71	50,000

¹Performance 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.)	0.19A
Power Factor	>0.92

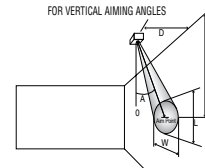
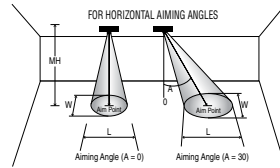
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CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Lamp	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
S		14°	50000	13470	10	135	2.4	2.4	87	3.2	2.8	4	105	6.9	4.0	1.9	298	4.0	2.0	1.4	8	137	4.6	2.6	2.2
Cylindra 18W LED, 3000K Spot					12	94	2.9	2.9	61	3.9	3.3	6	47	10.4	6.0	2.9	132	6.0	2.9	2.0	10	87	5.8	3.2	2.8
14					69	3.4	3.4	45	4.5	3.9	8	26	13.9	8.0	3.8	74	8.0	3.9	2.7	12	61	6.9	3.9	3.3	
16					53	3.8	3.8	34	5.2	4.4	10	17	17.3	10.0	4.8	48	10.0	4.9	3.4	14	45	8.1	4.5	3.9	
18					42	4.3	4.3	27	5.8	5.0	12	12	20.8	12.1	5.8	33	12.0	5.9	4.1	16	34	9.2	5.2	4.4	
N		27°	50000	4174	4	261	1.9	1.9	169	2.6	2.2	2	130	3.5	4.7	1.9	369	2.0	2.1	1.4	4	169	2.3	2.6	2.2
Cylindra 18W LED, 3000K Narrow Flood					6	116	2.9	2.9	75	3.9	3.4	3	58	5.2	7.0	2.9	164	3.0	3.1	2.1	5	108	2.9	3.3	2.8
8					65	3.9	3.9	42	5.3	4.5	4	33	6.9	9.4	3.9	92	4.0	4.1	2.7	6	75	3.5	3.9	3.4	
10					42	4.8	4.8	27	6.6	5.6	5	21	8.7	11.7	4.8	59	5.0	5.1	3.4	7	55	4.0	4.6	3.9	
12					29	5.8	5.8	19	7.9	6.7	6	14	10.4	14.1	5.8	41	6.0	6.2	4.1	8	42	4.6	5.3	4.5	
F		48°	50000	2253	3	250	2.7	2.7	163	3.8	3.1	1	282	1.7	8.6	1.8	797	1.0	2.2	1.3	3	163	1.7	3.8	3.1
Cylindra 18W LED, 3000K Flood					4	141	3.5	3.5	91	5.0	4.1	2	70	3.5	17.1	3.5	199	2.0	4.4	2.5	4	91	2.3	5.0	4.1
5					90	4.4	4.4	59	6.3	5.1	3	31	5.2	**	5.3	89	3.0	6.6	3.8	5	59	2.9	6.3	5.1	
6					63	5.3	5.3	41	7.6	6.1	4	18	6.9	**	7.1	50	4.0	8.8	5.0	6	41	3.5	7.6	6.1	
7					46	6.2	6.2	30	8.8	7.1	5	11	8.7	**	8.8	32	5.0	11.0	6.3	7	30	4.0	8.8	7.1	

For 2700K fixtures, use 0.94 multiplier; for 2700HC fixtures, use 0.84 multiplier; for 2700ES fixtures, use 0.56 multiplier; for 3000HC fixtures, use 0.87 multiplier; for 3000ES fixtures, use 0.58 multiplier; for 3500K fixtures, use 1.04 multiplier; for 3500HC fixtures, use 0.90 multiplier; for 3500ES fixtures, use 0.60 multiplier; for 4000K fixtures, use 1.07 multiplier; for 4000HC fixtures, use 0.94 multiplier.

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