JUNO

Project:

Fixture Type:

Location:

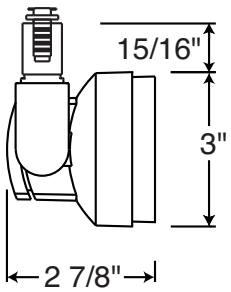
Contact/Phone:

TRAC 12
LED CYLINDRA™ SPOTLIGHT
12-VOLT AC
TL252L

PRODUCT DESCRIPTION

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. The Trac 12 Cylindra™ 13W LED spotlight approximates the light output and distribution of 75W MR16 halogen lamps, utilizing less than 1/5 of the energy and having a rated life of 50,000 hours. It is available in 2700K, 3000K, 3500K and 4000K color temperatures with a minimum 80 CRI. An optional high CRI version is available in 2700K or 3000K with a minimum 90 CRI. The white-light Cylindra LED is compatible with standard Trac 12 and Trac 12/25 trac, operating with 12V AC power. The TL252L can be placed anywhere along the Trac, and the trac can be cut-to-length during installation, making it an economical and flexible accent lighting choice. Cylindra's integral, bayonet-mounted accessory holder accommodates one accessory if desired.

DIMENSIONS



PRODUCT SPECIFICATIONS

LED Single Cree 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 • Minimum 80 CRI on standard versions • Optional high CRI 2700K or 3000K versions offer 90 CRI minimum.

Driver Concealed in rear housing to minimize overall fixture footprint.

Optics Interchangeable computer-designed custom TIR optics available in three 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 also be altered as desired using a variety of available light control accessories.

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

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.

Aiming 90˚ vertical aiming capability and 360˚ horizontal coverage.

Electrical Contacts Beryllium copper.

Trac & Monopoints Refer to specification sheets D3.1.0 and D3.1.1.

Transformers/Drivers Compatible with all 12VAC Trac 12 and Trac 12/25 Remote Mount Magnetic Transformers – refer to specification sheets D3.1.3 or D3.1.6 or D3.1.10 • Compatible with all 12VAC TL601E or TL602E Electronic Drivers – refer to specification sheets D3.1.8 or D3.1.9 • Compatible with TL540U Monopoints w/integral Transformer – refer to specification sheet D3.1.0.

Dimming May be dimmed with dimmers tested and qualified by Juno for use with the non-resistive TL252L Series load – see transformer/driver specifications for compatible dimmers • Color temperature remains constant over dimming range • Consult factory for additional information.

Warranty Warranty period is 5 years on LED components from date of purchase • Standard Juno Lighting Group product guarantee terms and conditions apply • Continuously operating the TL252L above 12VAC will void the warranty.

Labels UL/cUL listed for use with Trac 12 and Trac 12/25 trac.

Product specifications subject to change without notice.

ORDERING INFORMATION

Ordering Examples: TL252L-27HC-N-BL, TL252-3K-S-WH

Fixture Type	Color Temperature	Color Rendering Index	Beam Spread	Finish
TL252L Cylindra LED	**27** 2700K **3** 3000K **35** 3500K **4** 4000K	**K** 80 CRI Minimum **HC** 90 CRI Minimum (2700K & 3000K only)	**S** 15˚ Spot **N** 27˚ Narrow Flood **F** 41˚ Flood	**BL** Black **SL** Silver **WH** White

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T7459BL	Hexcell Louver	**T7420**	Diffusion Lens	**TIR-2-SP**	TIR Optic - Spot
T741-6	Color Filters	**T7421**	Uniformity Lens	**TIR-2-NFL**	TIR Optic - Narrow Flood
T7401-16	Dichroic Filters	**T7477**	Prismatic Spread Lens	**TIR-2-FL**	TIR Optic - Flood
T7418	Color Correction Filter[1]	**T7478**	Linear Spread Lens		

See specification sheet D1.2.2 for details.

[1] T7418 corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.

JUNO LIGHTING GROUP by Schneider Electric

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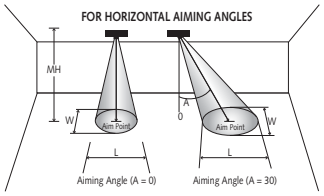
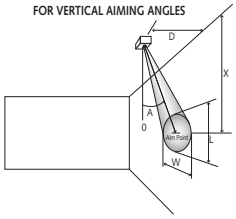
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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˚).

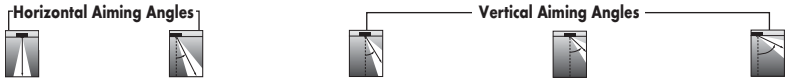




PERFORMANCE DATA[1]

Catalog Number	Input Voltage	Watts (Maximum)	Lumens	Efficacy (LPW)	Rated Life (Hours)
TL252L-27K-S	12V	13W	776	60	50,000
TL252L-27K-N	12V	13W	797	61	50,000
TL252L-27K-F	12V	13W	856	66	50,000
TL252L-27HC-S	12V	13W	576	44	50,000
TL252L-27HC-N	12V	13W	591	45	50,000
TL252L-27HC-F	12V	13W	635	49	50,000
TL252L-3K-S	12V	13W	834	64	50,000
TL252L-3K-N	12V	13W	857	66	50,000
TL252L-3K-F	12V	13W	920	71	50,000
TL252L-3HC-S	12V	13W	617	47	50,000
TL252L-3HC-N	12V	13W	634	49	50,000
TL252L-3HC-F	12V	13W	681	52	50,000
TL252L-35K-S	12V	13W	893	69	50,000
TL252L-35K-N	12V	13W	917	71	50,000
TL252L-35K-F	12V	13W	985	76	50,000
TL252L-4K-S	12V	13W	834	64	50,000
TL252L-4K-N	12V	13W	857	66	50,000
TL252L-4K-F	12V	13W	920	71	50,000

[1]Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25˚C ambient. In practice, multiple fixtures used in a system will average slightly lower power consumption due to voltage drop within the system.
Note: For operation at 11.5 volts multiply Lumens by 0.94.



Fixture	Beam Type	Beam Spread°	Rated Life	CBCP	0° MH	0° FC	0° L	0° W	30° FC	30° L	30° W	30° D	30° FC	30° X	30° L	30° W	45° FC	45° X	45° L	45° W	60° D	60° FC	60° X	60° L	60° W
Cylindra 13W LED, 3000K Spot	S	**15°**	50000	7592	6	211	1.5	1.5	137	2.1	1.8	3	105	5.2	3.2	1.5	298	3.0	1.6	1.1	6	137	3.5	2.1	1.8
					8	119	2.0	2.0	77	2.7	2.4	4	59	6.9	4.3	2.0	168	4.0	2.1	1.4	8	77	4.6	2.7	2.4
					10	76	2.6	2.6	49	3.4	3.0	5	38	8.7	5.4	2.6	107	5.0	2.6	1.8	10	49	5.8	3.4	3.0
					12	53	3.1	3.1	34	4.1	3.6	6	26	10.4	6.5	3.1	75	6.0	3.1	2.2	12	34	6.9	4.1	3.6
					14	39	3.6	3.6	25	4.8	4.1	7	19	12.1	7.5	3.6	55	7.0	3.6	2.5	14	25	8.1	4.8	4.1
Cylindra 13W LED, 3000K Narrow Flood	N	**27°**	50000	3473	5	139	2.4	2.4	90	3.3	2.8	2	109	3.5	4.7	2.0	307	2.0	2.1	1.4	4	141	2.3	2.7	2.3
					6	96	2.9	2.9	63	4.0	3.4	3	48	5.2	7.1	2.9	136	3.0	3.1	2.1	5	90	2.9	3.3	2.8
					7	71	3.4	3.4	46	4.6	3.9	4	27	6.9	9.5	3.9	77	4.0	4.1	2.8	6	63	3.5	4.0	3.4
					8	54	3.9	3.9	35	5.3	4.5	5	17	8.7	11.9	4.9	49	5.0	5.2	3.4	7	46	4.0	4.6	3.9
					9	43	4.4	4.4	28	6.0	5.1	6	12	10.4	14.2	5.9	34	6.0	6.2	4.1	8	35	4.6	5.3	4.5
Cylindra 13W LED, 3000K Flood	F	**41°**	50000	1797	3	200	2.2	2.2	130	3.1	2.6	1.5	100	2.6	7.6	2.2	282	1.5	2.6	1.6	3	130	1.7	3.1	2.6
					4	112	3.0	3.0	73	4.1	3.4	2.0	56	3.5	10.1	3.0	159	2.0	3.4	2.1	4	73	2.3	4.1	3.4
					5	72	3.7	3.7	47	5.2	4.3	2.5	36	4.3	12.6	3.7	102	2.5	4.3	2.6	5	47	2.9	5.2	4.3
					6	50	4.5	4.5	32	6.2	5.1	3.0	25	5.2	15.2	4.5	71	3.0	5.2	3.1	6	32	3.5	6.2	5.1
					7	37	5.2	5.2	24	7.3	6.0	3.5	18	6.1	17.7	5.2	52	3.5	6.0	3.7	7	24	4.0	7.3	6.0

For 2700K fixtures, use 0.93 multiplier; for 2700HC fixtures, use 0.69 multiplier.
For 3000HC fixtures, use 0.74 multiplier; for 3500K fixtures, use 1.07 multiplier.
For 4000K fixtures, use 1.00 multiplier.

JUNO LIGHTING GROUP
by Schneider Electric
1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925
220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064
Visit us at www.junolightinggroup.com