



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

TRAC 12 LED MINI-CYLINDER SPOTLIGHT 12-VOLT AC TL114LED

PRODUCT DESCRIPTION

The Trac 12 LED Mini-Cylinder Spotlight approximates the light output and distribution of 20W MR11 halogen lamps, utilizing less than 1/3 of the energy and having a rated life of 50,000 hours. Available in 2700K, 3000K and 4100K color temperatures, the white-light TL114LED Series is compatible with standard Trac 12 and Trac 12/25 trac, operating with 12V AC power. The TL114LED can be placed anywhere along the Trac, and the trac can be cut-to-length during installation, making the Trac 12 LED Mini-Cylinder Spotlight an economical and flexible accent lighting choice.

PRODUCT SPECIFICATIONS

LED Lumileds LUXEON® Rebel LEDs provide outstanding reliability, performance and color quality/consistency

- 2700K, 3000K or 4100K white phosphor high performance LEDs designed to operate using 12-volt AC input
- Provides 85 CRI typical.

Optical Performance Separate versions are offered which provide uniform spot, narrow flood and flood beam patterns

- Field replacement of optical lenses is NOT recommended.

Housing Precision machined aluminum construction.

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 and 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 TL114LED 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 TL114LED above 12VAC will void the warranty.

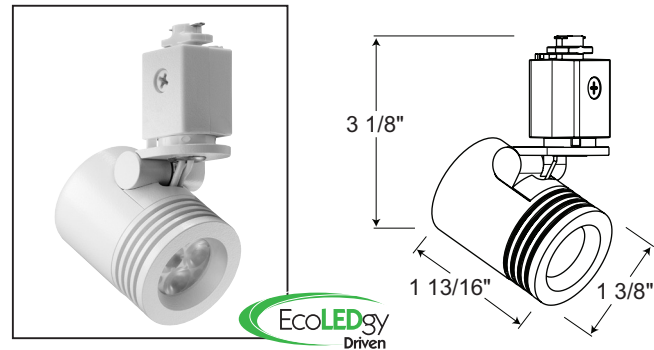
Labels UL/cUL listed for use with Trac 12 and Trac 12/25 trac.

Product specifications subject to change without notice.

LUXEON is a registered trademark of the Philips Lumileds Lighting Company

REV-9/12

DIMENSIONS



PRODUCT CODES

Catalog Number	Distribution	Wattage	Color Temperature	Finish
TL114LED-2K-SP-WH	16° Spot	6W	2700K	White
TL114LED-2K-SP-BL	16° Spot	6W	2700K	Black
TL114LED-2K-SP-SL	16° Spot	6W	2700K	Silver
TL114LED-2K-NFL-WH	22° Narrow Flood	6W	2700K	White
TL114LED-2K-NFL-BL	22° Narrow Flood	6W	2700K	Black
TL114LED-2K-NFL-SL	22° Narrow Flood	6W	2700K	Silver
TL114LED-2K-FL-WH	38° Flood	6W	2700K	White
TL114LED-2K-FL-BL	38° Flood	6W	2700K	Black
TL114LED-2K-FL-SL	38° Flood	6W	2700K	Silver
TL114LED-3K-SP-WH	16° Spot	6W	3000K	White
TL114LED-3K-SP-BL	16° Spot	6W	3000K	Black
TL114LED-3K-SP-SL	16° Spot	6W	3000K	Silver
TL114LED-3K-NFL-WH	22° Narrow Flood	6W	3000K	White
TL114LED-3K-NFL-BL	22° Narrow Flood	6W	3000K	Black
TL114LED-3K-NFL-SL	22° Narrow Flood	6W	3000K	Silver
TL114LED-3K-FL-WH	38° Flood	6W	3000K	White
TL114LED-3K-FL-BL	38° Flood	6W	3000K	Black
TL114LED-3K-FL-SL	38° Flood	6W	3000K	Silver
TL114LED-4K-SP-WH	16° Spot	6W	4100K	White
TL114LED-4K-SP-BL	16° Spot	6W	4100K	Black
TL114LED-4K-SP-SL	16° Spot	6W	4100K	Silver
TL114LED-4K-NFL-WH	22° Narrow Flood	6W	4100K	White
TL114LED-4K-NFL-BL	22° Narrow Flood	6W	4100K	Black
TL114LED-4K-NFL-SL	22° Narrow Flood	6W	4100K	Silver
TL114LED-4K-FL-WH	38° Flood	6W	4100K	White
TL114LED-4K-FL-BL	38° Flood	6W	4100K	Black
TL114LED-4K-FL-SL	38° Flood	6W	4100K	Silver

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PERFORMANCE DATA¹

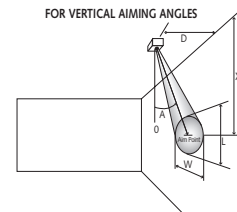
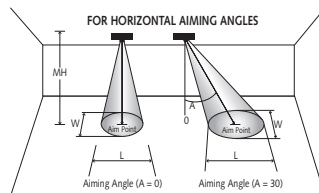
Catalog Number	Input Voltage	Watts (Maximum)	Lumens	Efficacy (LPW)	Rated Life (Hours)
TL114LED-2K-SP	12.0V	6.6W	180	27	50,000
TL114LED-2K-NFL	12.0V	6.6W	176	27	50,000
TL114LED-2K-FL	12.0V	6.6W	164	25	50,000
TL114LED-3K-SP	12.0V	6.6W	189	29	50,000
TL114LED-3K-NFL	12.0V	6.6W	185	28	50,000
TL114LED-3K-FL	12.0V	6.6W	173	26	50,000
TL114LED-4K-SP	12.0V	6.6W	210	32	50,000
TL114LED-4K-NFL	12.0V	6.6W	206	31	50,000
TL114LED-4K-FL	12.0V	6.6W	193	29	50,000

¹Performance 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.

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°).



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
TL114LED-3K-SP Spot	SP	16°	50000	1292	2	323	0.6	0.6	210	0.8	0.6	1	162	1.7	1.2	0.6	457	1.0	0.6	0.4	2	210	1.2	0.8	0.6
					4	81	1.1	1.1	52	1.5	1.3	2	40	3.5	2.4	1.1	114	2.0	1.1	0.8	3	93	1.7	1.1	1.0
					6	36	1.7	1.7	23	2.3	1.9	3	18	5.2	3.6	1.7	51	3.0	1.7	1.2	4	52	2.3	1.5	1.3
					8	20	2.2	2.2	13	3.0	2.6	4	10	6.9	4.8	2.2	29	4.0	2.3	1.6	5	34	2.9	1.9	1.6
					10	13	2.8	2.8	8	3.8	3.2	5	6	8.7	6.0	2.8	18	5.0	2.9	2.0	6	23	3.5	2.3	1.9
TL114LED-3K-NFL Narrow Flood	NFL	22°	50000	764	2	191	0.8	0.8	124	1.0	0.9	1	96	1.7	1.8	0.8	270	1.0	0.8	0.5	1	496	0.6	0.5	0.4
					4	48	1.6	1.6	31	2.1	1.8	1.5	42	2.6	2.6	1.2	120	1.5	1.2	0.8	2	124	1.2	1.0	0.9
					6	21	2.3	2.3	14	3.1	2.7	2	24	3.5	3.5	1.6	68	2.0	1.6	1.1	3	55	1.7	1.6	1.3
					8	12	3.1	3.1	8	4.2	3.6	2.5	15	4.3	4.4	1.9	43	2.5	2.0	1.4	4	31	2.3	2.1	1.8
					10	8	3.9	3.9	5	5.2	4.5	3	11	5.2	5.3	2.3	30	3.0	2.4	1.6	5	20	2.9	2.6	2.2
TL114LED-3K-FL Flood	FL	38°	50000	340	2	85	1.4	1.4	55	1.9	1.6	0.5	170	0.9	2.1	0.7	481	0.5	0.8	0.5	1	221	0.6	1.0	0.8
					3	38	2.1	2.1	25	2.9	2.4	1	43	1.7	4.3	1.4	120	1.0	1.6	1.0	2	55	1.2	1.9	1.6
					4	21	2.8	2.8	14	3.8	3.2	1.5	19	2.6	6.4	2.1	53	1.5	2.3	1.5	3	25	1.7	2.9	2.4
					5	14	3.4	3.4	9	4.8	4.0	2	11	3.5	8.6	2.8	30	2.0	3.0	1.9	4	14	2.3	3.8	3.2
					6	9	4.1	4.1	6	5.7	4.8	2.5	7	4.3	10.7	3.4	19	2.5	3.9	2.4	5	9	2.9	4.8	4.0

For 2700K fixtures, use 0.95 multiplier; for 4100K fixtures, use 1.11 multiplier.

