JUNO

Project:

Fixture Type:

Location:

Contact/Phone:

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

TL114G2

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, 3500K and 4000K color temperatures, the white-light TL114LED Series is compatible with standard Trac 12 and Trac 12/25 trac, operating with 12V AC power. The TL114 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 High performance, low power LEDs provide outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs designed to operate using 12-volt AC input • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum.

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

Housing Precision machined aluminum construction.

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

Electrical Contacts Beryllium copper.

Trac Compatible with Juno Trac 12 and Trac 12/25 trac (D3.1.0 or D3.1.1) and LED-compatible transformer/drivers (below).

Transformers/Drivers/Monopoints Compatible with all Juno12VAC Remote Mount Magnetic Transformers (D3.1.3, D3.1.6 or D3.1.10) • Compatible with all 12VAC TL601E or TL602E Electronic Drivers (D3.1.8 or D3.1.9) • Compatible with Remote Powered Monopoints and TL540U Monopoint with Integral Transformer (D3.1.0).

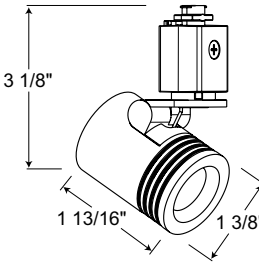
Dimming Dimmable using factory-approved dimmers for use with the non-resistive TL114 Series load – see transformer/driver specifications for compatible dimmers • Color temperature remains constant over dimming range • Consult factory for additional information.

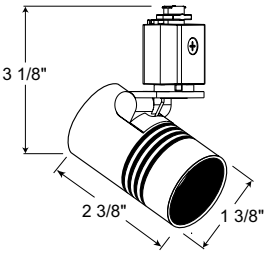
Warranty Warranty period is 5 years on LED components from date of purchase • Standard Acuity Brands product terms and conditions apply • Continuously operating the TL114 above 12VAC will void the warranty.

Labels UL/cUL Listed.

Product specifications subject to change without notice.

DIMENSIONS





ACCESSORIES

Cat. No.	Description
TMC-SNOOT-BL	Snoot - Black
TMC-SNOOT-SL	Snoot - Silver
TMC-SNOOT-WH	Snoot - White

ORDERING INFORMATION

Fixture Type		Color Temperature		Color Rendering Index		Beam Spread		Finish		Options	
	-						-		-		
TL114G2		**2**	2700K	**Blank**	80 CRI minimum	**S**	Spot	**BL**	Black	**Blank**	No Snoot
6W LED		**3**	3000K	**HC**	90 CRI minimum	**N**	Narrow Flood	**SL**	Silver	**S**	With Snoot
Mini-Cylinder		**35**	3500K			**F**	Flood	**WH**	White		
Spotlight		**4**	4000K								

Ordering Examples: TL114G2-2S-WH, TL114G2-35HCF-BL-S

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PERFORMANCE DATA[1]

Catalog Number	Input Voltage	Watts (Maximum)	Lumens	Efficacy (LPW)	Rated Life (Hours)
TL114G2-2S	12.0V	6.6W	315	48	50,000
TL114G2-2N	12.0V	6.6W	296	45	50,000
TL114G2-2F	12.0V	6.6W	272	41	50,000
TL114G2-2HCS	12.0V	6.6W	233	35	50,000
TL114G2-2HCN	12.0V	6.6W	219	33	50,000
TL114G2-2HCF	12.0V	6.6W	201	30	50,000
TL114G2-3S	12.0V	6.6W	328	50	50,000
TL114G2-3N	12.0V	6.6W	308	47	50,000
TL114G2-3F	12.0V	6.6W	283	43	50,000
TL114G2-3HCS	12.0V	6.6W	249	38	50,000
TL114G2-3HCN	12.0V	6.6W	234	35	50,000
TL114G2-3HCF	12.0V	6.6W	215	33	50,000
TL114G2-35S	12.0V	6.6W	344	52	50,000
TL114G2-35N	12.0V	6.6W	323	49	50,000
TL114G2-35F	12.0V	6.6W	297	45	50,000
TL114G2-35HCS	12.0V	6.6W	266	40	50,000
TL114G2-35HCN	12.0V	6.6W	249	38	50,000
TL114G2-35HCF	12.0V	6.6W	229	35	50,000
TL114G2-4S	12.0V	6.6W	344	52	50,000
TL114G2-4N	12.0V	6.6W	323	49	50,000
TL114G2-4F	12.0V	6.6W	297	45	50,000
TL114G2-4HCS	12.0V	6.6W	276	42	50,000
TL114G2-4HCN	12.0V	6.6W	259	39	50,000
TL114G2-4HCF	12.0V	6.6W	238	36	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.

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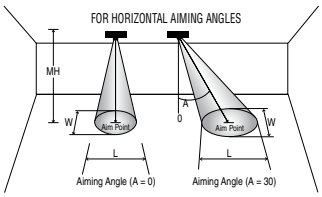
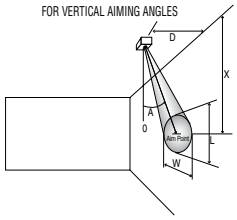
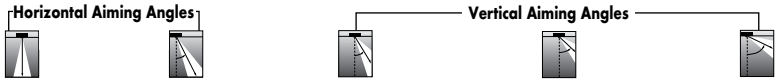
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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˚).







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
	S	21°	50000	1708	2	427	0.7	0.7	277	1.0	0.9	1	214	1.7	1.7	0.7	604	1.0	0.8	0.5	2	277	1.2	1.0	0.9
TL114G2					4	107	1.5	1.5	69	2.0	1.7	2	53	3.5	3.3	1.5	151	2.0	1.5	1.0	3	123	1.7	1.5	1.3
3000K, 80 CRI					6	47	2.2	2.2	31	3.0	2.6	3	24	5.2	5.0	2.2	67	3.0	2.3	1.6	4	69	2.3	2.0	1.7
Spot					8	27	3.0	3.0	17	4.0	3.4	4	13	6.9	6.6	3.0	38	4.0	3.1	2.1	5	44	2.9	2.5	2.1
					10	17	3.7	3.7	11	5.0	4.3	5	9	8.7	8.3	3.7	24	5.0	3.8	2.6	6	31	3.5	3.0	2.6
	N	25°	50000	1078	2	270	0.9	0.9	175	1.2	1.0	1	135	1.7	2.1	0.9	381	1.0	0.9	0.6	1	700	0.6	0.6	0.5
TL114G2					4	67	1.8	1.8	44	2.4	2.1	1.5	60	2.6	3.1	1.3	169	1.5	1.4	0.9	2	175	1.2	1.2	1.0
3000K, 80 CRI					6	30	2.7	2.7	19	3.6	3.1	2	34	3.5	4.2	1.8	95	2.0	1.9	1.3	3	78	1.7	1.8	1.5
Narrow Flood					8	17	3.6	3.6	11	4.8	4.1	2.5	22	4.3	5.2	2.2	61	2.5	2.3	1.6	4	44	2.3	2.4	2.1
					10	11	4.5	4.5	7	6.0	5.1	3	15	5.2	6.3	2.7	42	3.0	2.8	1.9	5	28	2.9	3.0	2.6
	F	38°	50000	519	2	130	1.4	1.4	84	1.9	1.6	0.5	260	0.9	2.2	0.7	734	0.5	0.8	0.5	1	337	0.6	1.0	0.8
TL114G2					2.5	83	1.7	1.7	54	2.4	2.0	1	65	1.7	4.3	1.4	183	1.0	1.6	1.0	2	84	1.2	1.9	1.6
3000K, 80 CRI					3	58	2.1	2.1	37	2.9	2.4	1.5	29	2.6	6.5	2.1	82	1.5	2.4	1.5	3	37	1.7	2.9	2.4
Flood					3.5	42	2.4	2.4	28	3.4	2.8	2	16	3.5	8.7	2.8	46	2.0	3.1	2.0	4	21	2.3	3.8	3.2
					4	32	2.8	2.8	21	3.8	3.2	2.5	10	4.3	10.8	3.5	29	2.5	3.9	2.4	5	13	2.9	4.8	4.0

For 2700K fixtures, use 0.96 multiplier; For 2700HC fixtures, use 0.71 multiplier; For 3000HC fixtures, use 0.76 multiplier; for 3500K fixtures, use 1.05 multiplier; for 3500HC fixtures, use 0.81 multiplier; for 4000K fixtures, use 1.05 multiplier; for 4000HC fixtures, use 0.84 multiplier.

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