



TRAC 12 INTEGRAL DRIVER LED CYLINDER SPOTLIGHT 12-VOLT AC TL381L

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

The classic, simple appearance of the Integral Driver LED Cylinder fixture offers a fresh take on traditional aesthetic. The subtle elegance is carried through the entire design producing an understated charm. The Trac 12 13W LED Cylinder 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 LED Cylinder is compatible with standard Trac 12 and Trac 12/25 trac, operating with 12V AC power. The TL381L 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. Its integral, bayonet-mounted accessory holder accommodates one accessory if desired.

PRODUCT SPECIFICATIONS

LED Single 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 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 of fixture 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.

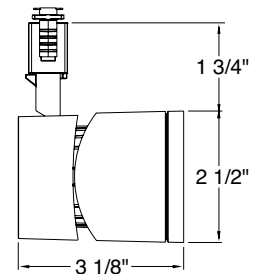
Accessory Holder Integral to fixture design • Die cast aluminum construction • Precision bayonet mounting • Accommodates one accessory if desired.

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.

DIMENSIONS



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 TL540 LED 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 TL381L Series load – see transformer/driver specifications for compatible dimmers • Color temperature remains constant over dimming range • Consult factory for additional information.

Warranty 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Labels UL/cUL listed for use with Trac 12 and Trac 12/25 trac. Specifications subject to change without notice.

ORDERING INFORMATION

Ordering Examples: TL381L 27K 80CRI SP WH

Series	Color Temperature	Color Rendering Index	Beam Spread	Finish
TL381L Integral Driver LED Cylinder	27K 2700K 30K 3000K 35K 3500K 40K 4000K	80CRI 80 CRI 90CRI 90 CRI (2700K & 3000K only)	SP Spot NFL Narrow Flood FL Flood	BL Black BZ Bronze SL Silver WH White

ACCESSORIES

Cat. No.	Description	Cat. No.	Description
CGF 200	Color Glass Filter	DIFF 200	Diffusion Glass Lens
DCCF 200	Dichroic Color Correction Filter	UVF 200	UV Filter
DGF 200	Dichroic Glass Filter	LSPREAD 200	Linear Spread Glass Lens
SOLITE 200	Uniformity Lens (Solite)	TIR2 SPT	TIR Optic - Spot
PRISM 200	Prismatic Spread Glass Lens	TIR2 NFLD	TIR Optic - Narrow Flood
HCLBL 200	Hexagonal Cell Louver - Black	TIR2 FLD	TIR Optic - Flood

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

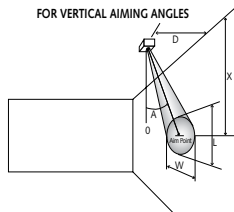
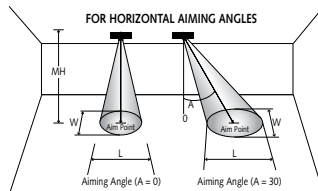
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PERFORMANCE DATA¹:

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
TL381L 27K 80CRI SP	12V	13.3	777	58	50,000
TL381L 27K 80CRI NFL	12V	13.3	775	58	50,000
TL381L 27K 80CRI FL	12V	13.3	787	59	50,000
TL381L 27K 90CRI SP	12V	13.3	576	43	50,000
TL381L 27K 90CRI NFL	12V	13.3	575	43	50,000
TL381L 27K 90CRI FL	12V	13.3	584	44	50,000
TL381L 30K 80CRI SP	12V	13.3	835	63	50,000
TL381L 30K 80CRI NFL	12V	13.3	833	63	50,000
TL381L 30K 80CRI FL	12V	13.3	846	64	50,000
TL381L 30K 90CRI SP	12V	13.3	618	46	50,000
TL381L 30K 90CRI NFL	12V	13.3	616	46	50,000
TL381L 30K 90CRI FL	12V	13.3	626	47	50,000
TL381L 35K 80CRI SP	12V	13.3	893	67	50,000
TL381L 35K 80CRI NFL	12V	13.3	891	67	50,000
TL381L 35K 80CRI FL	12V	13.3	905	68	50,000
TL381L 40K 80CRI SP	12V	13.3	835	63	50,000
TL381L 40K 80CRI NFL	12V	13.3	833	63	50,000
TL381L 40K 80CRI FL	12V	13.3	846	64	50,000

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

In vertical aiming applications, aim point (X) is determined by dividing aiming 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°).



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.



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
Cylinder 13W LED 30K, 80CRI Spot	S	17°	50000	6629	6	184	1.8	1.8	120	2.4	2.1	3	92	5.2	3.8	1.8	260	3.0	1.8	1.3	6	120	3.5	2.4	2.1
					8	104	2.4	2.4	67	3.2	2.8	4	52	6.9	5.1	2.4	146	4.0	2.4	1.7	8	67	4.6	3.2	2.8
					10	66	3.0	3.0	43	4.0	3.5	5	33	8.7	6.4	3.0	94	5.0	3.1	2.1	10	43	5.8	4.0	3.5
					12	46	3.6	3.6	30	4.8	4.1	6	23	10.4	7.7	3.6	65	6.0	3.7	2.5	12	30	6.9	4.8	4.1
					14	34	4.2	4.2	22	5.6	4.8	7	17	12.1	9.0	4.2	48	7.0	4.3	3.0	14	22	8.1	5.6	4.8
Cylinder 13W LED 30K, 80CRI Narrow Flood	N	30°	50000	3135	5	125	2.7	2.7	81	3.7	3.1	2	98	3.5	5.5	2.1	277	2.0	2.3	1.5	4	127	2.3	2.9	2.5
					6	87	3.2	3.2	57	4.4	3.7	3	44	5.2	8.2	3.2	123	3.0	3.5	2.3	5	81	2.9	3.7	3.1
					7	64	3.8	3.8	42	5.1	4.3	4	24	6.9	10.9	4.3	69	4.0	4.6	3.0	6	57	3.5	4.4	3.7
					8	49	4.3	4.3	32	5.9	5.0	5	16	8.7	13.7	5.4	44	5.0	5.8	3.8	7	42	4.0	5.1	4.3
					9	39	4.8	4.8	25	6.6	5.6	6	11	10.4	16.4	6.4	31	6.0	6.9	4.5	8	32	4.6	5.9	5.0
Cylinder 13W LED 30K, 80CRI Flood	F	43°	50000	1557	3	173	2.4	2.4	112	3.3	2.7	1.5	87	2.6	9.0	2.4	245	1.5	2.8	1.7	3	112	1.7	3.3	2.7
					4	97	3.2	3.2	63	4.5	3.7	2.0	49	3.5	12.0	3.2	138	2.0	3.8	2.2	4	63	2.3	4.5	3.7
					5	62	4.0	4.0	40	5.6	4.6	2.5	31	4.3	14.9	4.0	88	2.5	4.7	2.8	5	40	2.9	5.6	4.6
					6	43	4.8	4.8	28	6.7	5.5	3.0	22	5.2	17.9	4.8	61	3.0	5.6	3.4	6	28	3.5	6.7	5.5
					7	32	5.5	5.5	21	7.8	6.4	3.5	16	6.1	20.9	5.5	45	3.5	6.6	3.9	7	21	4.0	7.8	6.4

For 27K 80CRI fixtures, use 0.93 multiplier; for 27K 90CRI fixtures, use 0.69 multiplier; for 30K 90CRI fixtures, use 0.74 multiplier; for 35K 80CRI fixtures, use 1.07 multiplier; for 40K 80CRI fixtures, use 1.00 multiplier.