



FLEX 12

Flexible Trac System

INTEGRAL DRIVER LED CYLINDER SPOTLIGHT

12-VOLT AC

TF381L

Project: _____

Fixture Type: _____

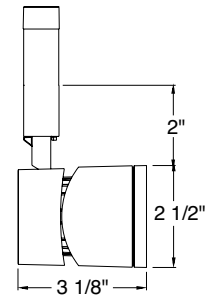
Location: _____

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 Flex 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 Flex 12 trac, operating with 12V AC power. The TF381L 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.

DIMENSIONS



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 silver painted finish.

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

Transformers/Drivers Compatible with all 12VAC Flex 12 Remote Mount Magnetic Transformers – refer to specification sheet [D3.1.3](#) and [D3.1.6](#) or [D3.1.10](#) • Compatible with TF540U Monopoint w/integral Transformer – refer to specification sheet [D5.1.0](#).

Dimming May be dimmed with dimmers tested and qualified by Juno for use with the non-resistive TF381L 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 TF381L above 12VAC will void the warranty.

Labels UL and cUL Listed • Union made.

Product specifications subject to change without notice.

ORDERING INFORMATION

Ordering Examples: TF381L-27HCNBL, TF381L-3KSWH

Fixture Type	Color Temperature	Color Rendering Index	Beam Spread	Finish
TF381L	27 2700K	K 80 CRI Minimum	S Spot	SL Silver
Integral Driver LED	3 3000K	HC 90 CRI Minimum	N Narrow Flood	
Cylinder	35 3500K	(2700K & 3000K only)	F Flood	
	4 4000K			

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.

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

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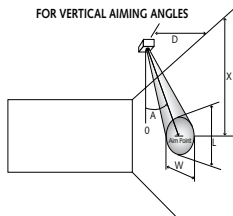
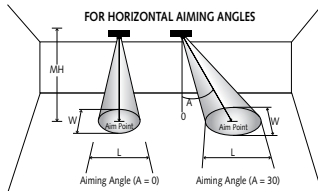
TF381L

PERFORMANCE DATA¹:

Catalog Number	Input Voltage	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
TF381L-27KS	12V	13.3	777	58	50,000
TF381L-27KN	12V	13.3	775	58	50,000
TF381L-27KF	12V	13.3	787	59	50,000
TF381L-27HCS	12V	13.3	576	43	50,000
TF381L-27HCN	12V	13.3	575	43	50,000
TF381L-27HCF	12V	13.3	584	44	50,000
TF381L-3KS	12V	13.3	835	63	50,000
TF381L-3KN	12V	13.3	833	63	50,000
TF381L-3KF	12V	13.3	846	64	50,000
TF381L-3HCS	12V	13.3	618	46	50,000
TF381L-3HCN	12V	13.3	616	46	50,000
TF381L-3HCF	12V	13.3	626	47	50,000
TF381L-35KS	12V	13.3	893	67	50,000
TF381L-35KN	12V	13.3	891	67	50,000
TF381L-35KF	12V	13.3	905	68	50,000
TF381L-4KS	12V	13.3	835	63	50,000
TF381L-4KN	12V	13.3	833	63	50,000
TF381L-4KF	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 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°				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, 3000K 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, 3000K 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, 3000K 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 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.

