L516M

120V LED SPOT TRACKHEAD
TRACK LIGHTING • MEDIUM

JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

The **L516M** series is line voltage LED track fixture suitable for retail, commercial and hospitality general lighting, accent and display applications. The series features an adjustable 90° vertical head rotation and a 330° horizontal rotation. Made with a complete die-cast construction, no exposed wiring and powder coat paint. It provides electrical and mechanical connection to track. With 5% refer to recommended dimmers list TRIAC (forward-phase or leading edge), and ELV (reverse-phase or trailing-edge). And a passive thermal management provides silent operation to yield over 70% lumen maintenance for a minimum of 50,000 operation hours in 25°C (77°F) ambient.

120V AC | TRIAC DIMMABLE | ELV DIMMABLE | 3SDCM | 20°/ 25°/ 37° BEAM ANGLES | 330° | 90° | DRY INDOOR | L70 50,000 HOURS | 5 YEAR WARRANTY | cETLus Intertek

SPECIFICATIONS

INPUT VOLTAGE	120V AC
WATTAGE	27 W
EFFICACY	89 Lm/W
LUMENS	2400 Lm @4000K
CCT/CRI	80 (2700K, 3000K, 3500K, 4000K)
	90 (2700K, 3000K, 4000K)
	97 (2700K, 3000K)
BEAM ANGLE	Narrow 20°, Medium 25°, Wide 37°
DIMMING[1]	TRIAC & ELV Dimming
DIMENSIONS	3 ⅝" Ø x 4 ⅝" L x 8 ⅝" Ext. (92 Ø x 117 x 219 mm)

HORIZONTAL AIM	330°
VERTICAL AIM	90°
ENVIRONMENT	Indoor - Dry
CERTIFICATIONS	cETLus
LUMEN MAINTENANCE	50,000 hours
WARRANTY[2]	5 years

[1] 5%, refer to recommended dimmers list TRIAC (forward-phase or leading edge), ELV (reverse-phase or trailing-edge)
[2] See published warranty terms for detailed information

INSTALL

IES 3080K

ORDERING INFO

SYSTEM	SERIES	CCT / CRI	FINISH
H2 - H1 or H2 track[1]	**L516M** - 3 ⅝" Ø	**2780** - 2700K / 80 CRI	**B** - Black
J2 - J1 or J2 track[2]		**3080** - 3000K / 80 CRI	**W** - White
L2 - L1 or L2 track[3]		**3580** - 3500K / 80 CRI	
		4080 - 4000K / 80 CRI	
		2790 - 2700K / 90 CRI	
		3090 - 3000K / 90 CRI	
		4090 - 4000K / 90 CRI	
		2797 - 2700K / 97 CRI*	
		3097 - 3000K / 97 CRI*	

* Contact factory for details
[1] JESCO J, J1, J2 Track or Juno Track-Master. Juno is registered Trademark of Juno Lighting.
[2] JESCO H, H1 Track or Halo Power-Track. Halo is registered Trademark of Cooper Lighting.
[3] JESCO L Track or Lightolier Lytespan Track. Lightolier is registered Trademark of Philips Lighting.

REFLECTORS (REQUIRED)

Reflector determines beam angle and must be selected.
Order separately.

MODEL	ANGLE
RFL516M	**SP** - Narrow 20° **FL** - Medium 25° **WF** - Wide 37°

GLARE CONTROL (OPTIONAL)

Order separately. Field Installed.

OPTIONAL SNOOT		OPTIONAL BARN DOOR	OPTIONAL HEXCELL LOUVER LENS
MODEL	**FINISH**	**MODEL**	**MODEL**
L516MSNT	**B** - Black **W** - White	**BD095**	**LENS-72MM-HEX**

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COLOR CODE SELECTION DATA

CCT	CRI	COLOR CODE
2700K	80	2780
	90	2790
	97	2797

CCT	CRI	COLOR CODE
3000K	80	3080*
	90	3090
	97	3097

CCT	CRI	COLOR CODE
3500K	80	3580

CCT	CRI	COLOR CODE
4000K	80	4080*
	90	4090

* QUICK SHIP

APPLICATION DATA

CCT Correction Factor

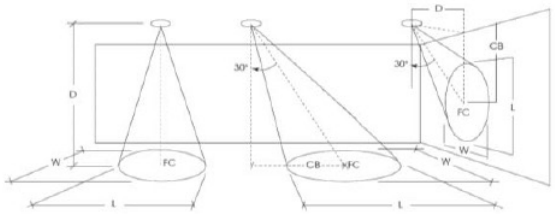
CCT	CRI	FACTOR
2700K	80	0.95
	90	0.74
	97	0.52

CCT	CRI	FACTOR
3000K	80	1.00
	90	0.78
	97	0.58

CCT	CRI	FACTOR
3500K	80	1.03

CCT	CRI	FACTOR
4000K	80	1.04
	90	0.88

Notes and Definitions:
Beam spread is to 50% center beam candlepower (CBCP).
D = Distance to floor or wall.
FC = Footcandles on floor or wall at center beam aiming location.
L = Effective Visual Beam length in feet (50% of maximum footcandle level).
W = Effective Visual Beam width in feet (50% of maximum footcandle level).
CB = Distance across or down to center beam location.



	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
NARROW 20° CBCP = 11,661	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	466	1.8	1.8	5.0'	303	2.4	2.0	2.9	3.0'	162	4.7	2.1	5.2	3.0'	842	1.4	1.2	1.7
	7.5'	207	2.7	2.7	7.5'	135	3.6	3.1	4.3	4.0'	91	6.2	2.8	6.9	4.0'	473	4.9	1.6	2.3
	10.0'	117	3.6	3.6	10.0'	76	4.8	4.1	5.8	5.0'	58	7.8	3.5	8.7	5.0'	303	2.4	2.0	2.9
	12.5'	75	4.5	4.5	12.5'	48	5.9	5.1	7.2	6.0'	40	9.3	4.2	10.4	6.0'	210	2.9	2.4	3.5
MEDIUM 25° CBCP = 9,128	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	365	2.3	2.3	5.0'	237	3.1	2.7	2.9	3.0'	127	6.6	2.8	5.2	3.0'	659	1.9	1.6	1.7
	7.5'	162	3.5	3.5	7.5'	105	4.7	4.0	4.3	4.0'	71	8.8	3.7	6.9	4.0'	371	2.5	2.1	2.3
	10.0'	91	4.7	4.7	10.0'	59	6.3	5.3	5.8	5.0'	46	11.0	4.6	8.7	5.0'	237	3.1	2.7	2.9
	12.5'	58	5.8	5.8	12.5'	38	7.8	6.7	7.2	6.0'	32	13.2	5.5	10.4	6.0'	165	3.8	3.2	3.5
WIDE 37° CBCP = 5,910	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	236	3.4	3.4	5.0'	154	4.6	3.9	2.9	3.0'	82	12.1	4.0	5.2	3.0'	427	2.8	2.3	1.7
	7.5'	105	5.0	5.0	7.5'	68	7.0	5.8	4.3	4.0'	46	16.1	5.4	6.9	4.0'	240	3.7	3.1	2.3
	10.0'	59	6.7	6.7	10.0'	38	9.3	7.7	5.8	5.0'	30	20.2	6.7	8.7	5.0'	154	4.6	3.9	2.9
	12.5'	38	8.4	8.4	12.5'	25	11.6	9.7	7.2	6.0'	21	24.2	8.0	10.4	6.0'	107	5.6	4.6	3.5

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ACCESSORIES

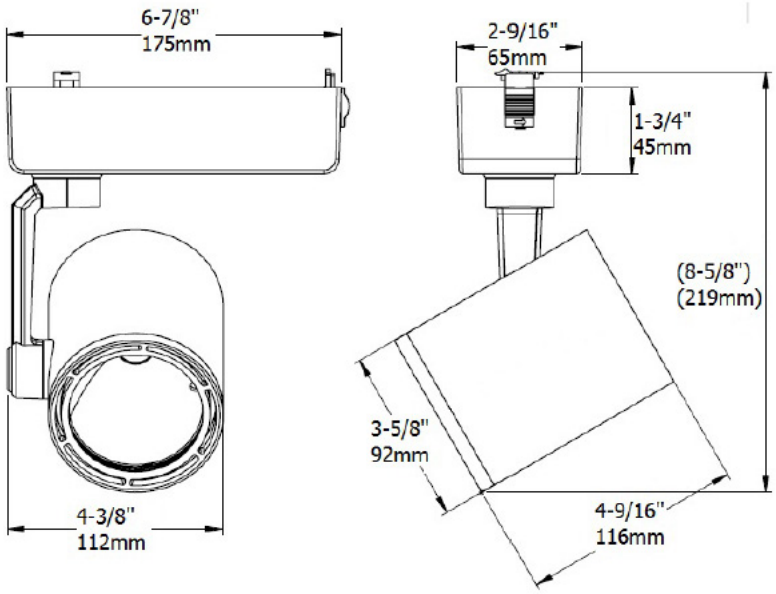
Optional, field installed

PART NUMBER	**L516MSNT-(B or W)**
DESCRIPTION	Optional Snoot for L516M
	Provides a full cut-off, more
	directionals source of light
DIMENSIONS	2 ⅝" Ø x 2" H

PART NUMBER	**LENS-72MM-HEX**
DESCRIPTION	Optional Hexcell
	Louver Lens

PART NUMBER	**BD095**
DESCRIPTION	Optional Barn Door for L516M.
	Creates a theatrical look
	and control light.
DIMENSIONS	3 ¾" (95 mm) max opening.
	Accepts 3 ½" (90 mm) filters,
	and/or loever.

TECHNICAL DRAWING



RECOMMENDED DIMMERS

COOPER[1]	DLC03P, DAL06P, SLC03P
LUTRON[2]	S-603PG, DVCL-153P, DV-600P, TGCL-153P
LUTRON	SELV-300P, TG-600P, LG-600P, S-600P, MAELV-600, FAELV-500, DVELV-303P
LEVITON[3]	IPI06-1LZ, IPE04, VPE06, 6683-IW, 6161, 6633-P
LIGHTOLIER[4]	ZPE260QEW

Notes:
[1]Cooper is a registered trademark of Eaton
[2]Lutron is a registered trademark of Lutron Electronics, Inc.
[3]Leviton is a registered trademark of Leviton Mfg. Co., Inc.
[4]Lightolier is a registered trademark of Philips Lighting.

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Specifications subject to change without notice REV. 02/07/2025