

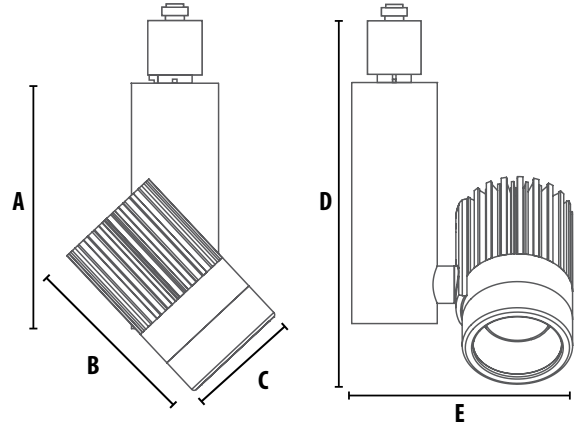


MB900

MB-LED Solid State Track Luminaire 900lm 17.8W



Catalog Number	Type
Notes	



MB Dimension With	A	B	C	D	E
16° Optic	6 1/8"	4 3/4"	2 7/8"	8 1/16"	5 3/4"
24°, 32° and 50° Optic	6 1/8"	4 1/2"	2 3/4"	8 3/4"	5 3/4"

Housing Matrix | Example : MB90030B-FL24-PS

A	B	C	D	E	F
A Series			E Beam Spread		
MB900	900 lm MB-LED 17.8W		-SP16	16° Spot ³	
			-FL24	24° Narrow Flood	
B Color Temperature			-FL32	32° Flood	
30	3000K 82 CRI		-FL50	50° Wide Flood	
309	3000K 92CRI		F Adapter		
35	3500K 82 CRI		blank	Intense Single / Two Circuit 120V	
41	4100K 82 CRI		-PS	Pro-Series 120V	
C Driver			-PS-27	Pro-Series 277V ¹	
blank	Non-Dimming		-J	J-Type Adapter	
-DIM	Dimming 120V ¹		-L	L-Type Adapter	
D Finish			Notes:		
W	White Semi Gloss		1 - Dimming only available in 120V.		
B	Black Satin		2 - Custom powder coat finish available. Consult Factory.		
SV	Silver Satin		3- 16° Spot optic requires a reflector with a larger diameter. An additional collar is added to the luminaire and the lower reflector is removed.		
SN	Brushed Satin Nickel				
C	Custom RAL ²				

Features:

- Energy efficient solid state light source
- Clean architectural design
- High quality uniform illumination without pixilation
- Optimal glare control
- Capability to accept up-to two light control media
- Extruded & Die-Cast aluminum construction
- Compatible with Professional Series track system
- Dimmable with electronic low voltage dimmers (120V only)

LED Light Engine:

- Nominal input power: 17.8W
- Nominal delivered light output: 900 lumen
- 3000K, 3500K, 4100K 82 CRI
- 3000K 92 CRI
- LED mounted to die-cast / extruded aluminum heat sink
- 50,000 of average rated life at 70% output

Electrical System:

- 120V/277V 50/60Hz input
- 1050mA constant current output
- Class 2 power supply
- Over voltage, over current and short circuit protection: Auto recovery
- MTBF > 100,000 hours
- Dims down to 10% with Electronic Low Voltage (ELV) reverse phase control dimmers. 120V only. 600/900 lm only. Must specify **-DIM**

Track Compatibility:

Track luminaire is designed for use with the following track systems:

- Single Circuit/Single Neutral 120V
- Two Circuit/Single Neutral 120V
- Pro-Series Single Circuit / Two Neutral 120V
- Pro-Series Two Circuit / Two Neutral 277V

Listing/Warranty:

- ETL Listed to US and Canadian standards for dry locations.
- ENERGY STAR
- 5-Year Limited Warranty
- Lighting Facts Registration Number: MB900 / 24° - LSDN-SAEHZW
MB900 / 32° - LSDN-K6VGS1
MB900 / 50° - LSDN-BFCGPN

Control Media |

MBLED track luminaire will accommodate a maximum of (2) filter media. No accessory holder required.

For use with 24°, 32°, and 50° optic.

Diffusion Filters	Color Filters	Louver
PFL-CL1-S Prismatic Spread Lens	PL-CL5-S Amber Lens	PFLMB Black Hex Louver
PFL-CL2-S Linear Spread Lens	PL-CL6-S Red Lens	
	PL-CL9-S Blue Lens	

For use with 16° optic.

Diffusion Filters	Color Filters	Louver
PFL-CL1-S16 Prismatic Spread Lens	PL-CL5-S16 Amber Lens	PFLMB-16 Black Hex Louver
PFL-CL2-S16 Linear Spread Lens	PL-CL6-S16 Red Lens	
	PL-CL9-S16 Blue Lens	

TRACK LIGHTING R-040511 P-25

Intense Lighting | 2861 E. La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.





Catalog Number	Type
Notes	

MB900

Catalog#: MB90030

900lm MB LED Track Luminaire

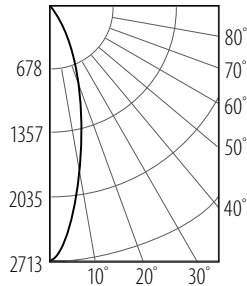
Total Input Watts: 17.8W

Color Temperature: 3000K

CRI: 82

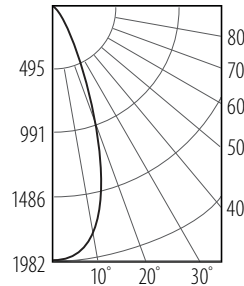


24° Narrow Flood



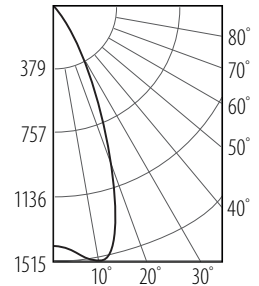
Report #: T27427ES
Lumens: 904
LPW: 51

32° Flood



Report #: T27428ES
Lumens: 891
LPW: 50

50° Wide Flood



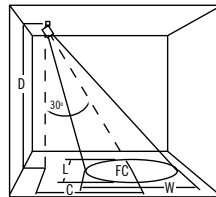
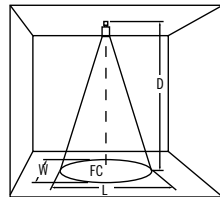
Report #: T27429ES
Lumens: 886
LPW: 50

APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Foot candles



	0°				30° HORIZONTAL				
	D	FC	W	L	D	C	FC	W	L
MB 900lm 24° Narrow Flood	6'	75	2.8	2.8	5'	2.9	71	2.7	3.2
	7'	55	3.3	3.3	6'	3.5	49	3.3	3.9
	8'	42	3.8	3.8	7'	4.0	36	3.8	4.5
	9'	34	4.3	4.3	8'	4.6	28	4.4	5.2
MB 900lm 32° Flood	6'	55	3.8	3.8	5'	2.9	52	3.6	4.3
	7'	41	4.4	4.4	6'	3.5	36	4.4	5.2
	8'	31	5.0	5.0	7'	4.0	26	5.1	6.1
	9'	25	5.7	5.7	8'	4.6	20	5.8	6.9
MB 900lm 50° Wide Flood	6'	39	4.7	4.7	5'	2.9	37	4.5	5.5
	7'	29	5.4	5.4	6'	3.5	25	5.4	6.6
	8'	22	6.2	6.2	7'	4.0	19	6.3	7.6
	9'	17	7.0	7.0	8'	4.6	14	7.2	8.7



900 lm 24° NFL



900 lm 32° FL



900 lm 50° WFL

All testing was conducted in accordance with **LM-79-08**, Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products as published by the Illuminating Engineering Society of North America (IESNA).

Stabilization time before testing exceeded 16 hours.
Ambient temperature during testing was 25° C ± 1° C.

TRACK LIGHTING R-040511 P-76

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