

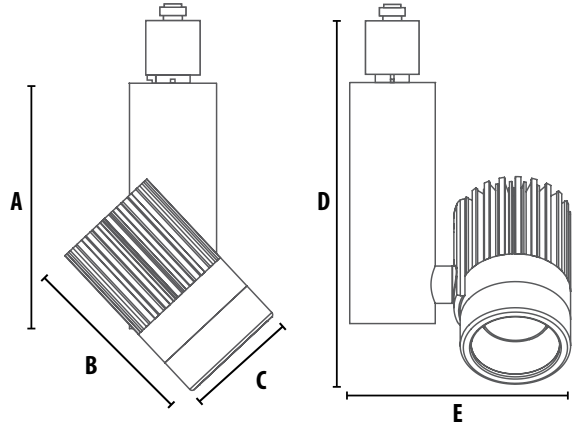


MB650

MB-LED Solid State Track Luminaire 650lm 15W



Housing Matrix | Example : MB65030B-FL24-PS



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"

A	B	C	D	E	F
A Series			E Beam Spread		
MB650	650 lm MB-LED 15W		-SP16 16° Spot ³		
B Color Temperature			-FL24 24° Narrow Flood		
30	3000K 82 CRI		-FL32 32° Flood		
35	3500K 82 CRI		-FL50 50° Wide Flood		
41	4100K 82 CRI		F Adapter		
C Driver			blank Intense Single / Two Circuit 120V		
blank Non-Dimming			-PS Pro-Series 120V		
-DIM Dimming 120V ¹			-PS-27 Pro-Series 277V ¹		
D Finish			-J J-Type Adapter		
W White Semi Gloss			-L L-Type Adapter		
B Black Satin					
SV Silver Satin					
SN Brushed Satin Nickel					
C Custom RAL ²					

Notes:

- 1 - Dimming only available in 120V.
- 2 - Custom powder coat finish available. Consult Factory.
- 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.

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: 15W
- Nominal delivered light output: 650 lumen
- 3000K, 3500K, 4100K 82 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 shot circuit protection: Auto recovery
- MTBF > 100,000 hours
- Dims down to 10% with Electronic Low Voltage (ELV) reverse phase control dimmers. 120V 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:
MB650 / 24° - LSDN-SPK7YP
MB650 / 32° - LSDN-RVDT1Z
MB650 / 50° - LSDN-7QNQTB

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-73

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	

MB650

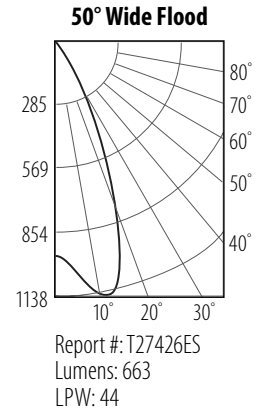
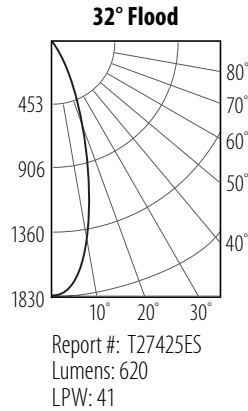
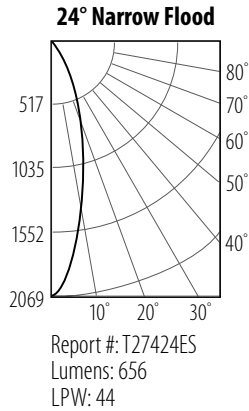
Catalog#: MB65030

650lm MB LED Track Luminaire

Total Input Watts: 15W

Color Temperature: 3000K

CRI: 82

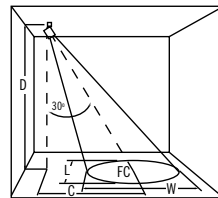
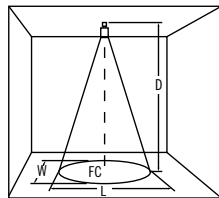


APPLICATION DATA:

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 650lm 24° Narrow Flood	6'	58	2.8	2.8	5'	2.9	54	2.7	3.2
	7'	42	3.2	3.2	6'	3.5	37	3.2	3.8
	8'	32	3.7	3.7	7'	4.0	27	3.8	4.4
	9'	26	4.2	4.2	8'	4.6	21	4.3	5.0
MB 650lm 32° Flood	6'	50	3.1	3.1	5'	2.9	47	3.0	3.5
	7'	37	3.6	3.6	6'	3.5	33	3.6	4.3
	8'	28	4.2	4.2	7'	4.0	24	4.2	5.0
	9'	22	4.7	4.7	8'	4.6	18	4.8	5.7
MB 650lm 50° Wide Flood	6'	26	4.9	4.9	5'	2.9	25	4.8	5.8
	7'	19	5.8	5.8	6'	3.5	17	5.7	7.0
	8'	15	6.6	6.6	7'	4.0	13	6.7	8.1
	9'	11	7.4	7.4	8'	4.6	10	7.6	9.3



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-24

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