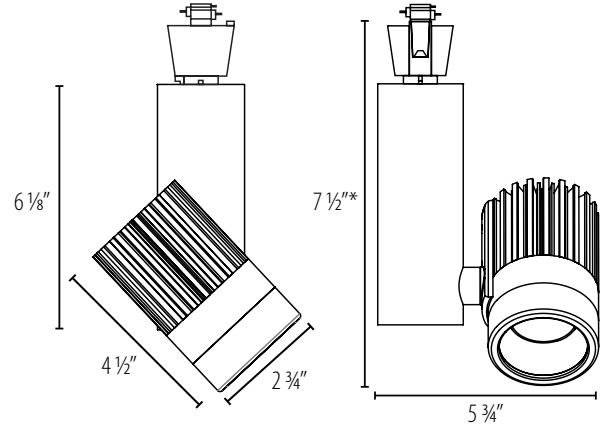


MB650 / MB900

Solid State Track Luminaire



Catalog Number	Type
Notes	

Housing Matrix | Example : MB65030B-FL24-PS

Series	Color Temperature	Driver	Finish	Beam Spread	Adapter
A	B	C	D	E	F
A Series			E Beam Spread		
MB650	650 lm MB LED Track Luminaire		-FL24 24° Narrow Flood		
MB900	900 lm MB LED Track Luminaire		-FL32 32° Flood		
			-FL50 50° Wide Flood		
B Color Temperature			F Adapter		
30	3000K Neutral White ¹		blank Intense Single / Two Circuit 120V		
C Driver			-PS Pro-Series 120V		
blank	Non-Dimming		-PS-27 Pro-Series 277V		
-DIM	Dimming 120V ²		-J J-Type Adapter ⁴		
			-L L-Type Adapter ⁴		
D Finish					
W	White Semi-Gloss				
B	Black Satin				
SV	Silver Satin				
C	Custom RAL No. ³				

	24° NARROW FLOOD	32° FLOOD	50° WIDE FLOOD
MBL650	LUMENS: 656	620	663
	LUMENS PER WATT: 44	41	44
MBL900	LUMENS: 904	891	886
	LUMENS PER WATT: 51	50	50

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)

Electrical System:

- 120V/277V 50/60Hz input
- 1050 mA constant current output
- Class 2 power supply
- Over voltage, over current and short circuit protection: Auto recovery
- MTBF > 100,000 hours
- Electronic low voltage dimming down to 10% standard (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 Two Circuit / Two Neutral 120V
- Pro-Series Two Circuit / Two Neutral 277V

LED Light Engine:

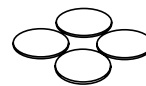
- 3000K color temperature / 82 CRI
- LED mounted to die-cast / extruded aluminum heat sink
- 50,000 of average rated life at 70% output
- 650 lm LED Light Engine:
 - Nominal input power: 15W
 - Nominal delivered light output: 650 lumen
- 900 lm LED Light Engine:
 - Nominal input power: 17.8W
 - Nominal delivered light output: 900 lumen

Listing/Warranty:

- ETL listed to US and Canadian standards for dry locations.
- 5-Year Limited Warranty

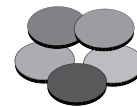
Control Media |

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



Diffusion Filters

- PFL-CL1-S** Prismatic Spread Lens
- PFL-CL2-S** Linear Spread Lens



Color Filters

- PL-CL5-S** Amber Lens
- PL-CL6-S** Red Lens
- PL-CL9-S** Blue Lens



Louvers

- PFLMB** Black Hex Lower

lighting facts ^{CM}	
A Program of the U.S. DOE	
Light Output (Lumens)	656
Watts	15
Lumens per Watt (Efficacy)	44
Color Accuracy Color Rendering Index (CRI)	82
Light Color Correlated Color Temperature (CCT)	3014 (Bright White)
<small>All results are according to IESNA LM-79-09:09 Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) website product test data and results.</small>	
<small>Wait www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: LSCN-SIN719 Model Number: MB65030FL24 Type: Track Light</small>	

lighting facts ^{CM}	
A Program of the U.S. DOE	
Light Output (Lumens)	904
Watts	18
Lumens per Watt (Efficacy)	51
Color Accuracy Color Rendering Index (CRI)	78
Light Color Correlated Color Temperature (CCT)	3148 (Bright White)
<small>All results are according to IESNA LM-79-09:09 Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) website product test data and results.</small>	
<small>Wait www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: LSCN-SIN820 Model Number: MB90030FL24 Type: Track Light</small>	

TRACK LIGHTING R-081710 P-60

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

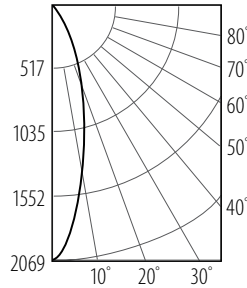
Total Input Watts: 15W

Color Temperature: 3000K

CRI: 82

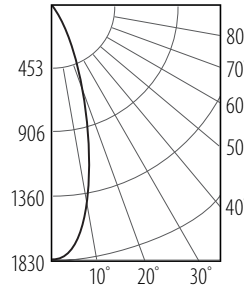


24° Narrow Flood



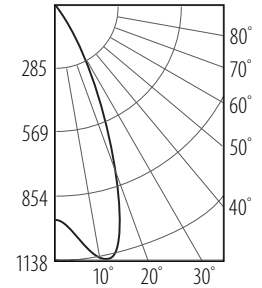
Report #: T27424ES
Lumens: 656
LPW: 44

32° Flood



Report #: T27425ES
Lumens: 620
LPW: 41

50° Wide Flood

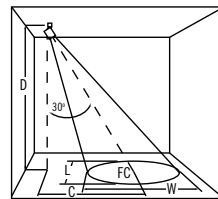
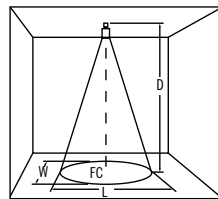


Report #: T27426ES
Lumens: 663
LPW: 44

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.

- 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

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.

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-081710 P-61





Catalog Number	Type
Notes	

MB900

Catalog#: MB90030

900lm MB LED Track Luminaire

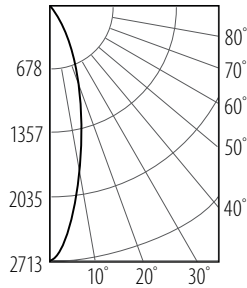
Total Input Watts: 17.8W

Color Temperature: 3000K

CRI: 82

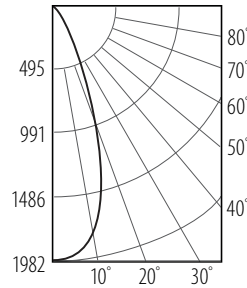


24° Narrow Flood



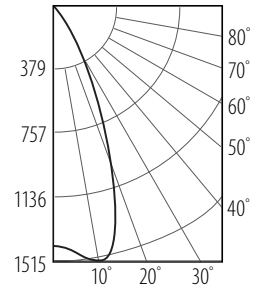
Report #: T27427ES
Lumens: 904
LPW: 51

32° Flood



Report #: T27428ES
Lumens: 891
LPW: 50

50° Wide Flood

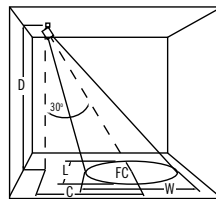
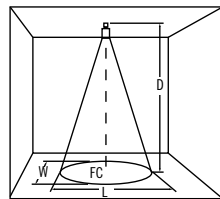


Report #: T27429ES
Lumens: 886
LPW: 50

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.

- 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'	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 650lm 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 650lm 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

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.

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-081710 P-02

