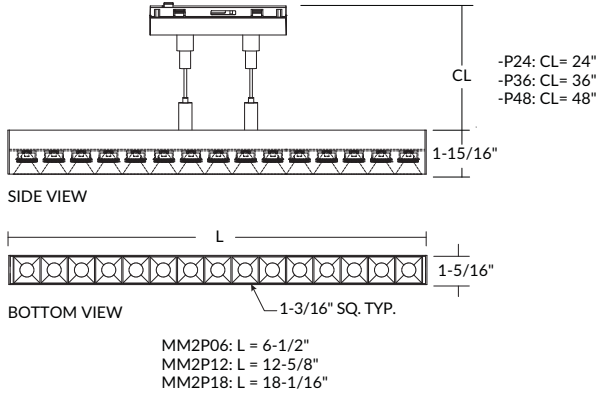


MM2P - SUSPENDED LINEAR ILLUMINATED MODULE (LOUVERED)

- Multiple beam spread options
- Glare free illumination
- Minimal 1" square



With 2', 3' and 4' cable lengths, The ModuLED MM21P suspended louvered directed downlight is small, exact and scalable, forming a single point source or scaling to a line or a plane, all based on a fundamental square cell. Quiet and discreet, the MM2 provides excellent visual cut off with a very comfortable Unified Glare Rating (UGR) of less than 10. Offered in a variety of color temperatures and beam spreads, there is sure to be a downlight perfect for your space.



Ordering Example: MM2P18B-P24-B40-T27

MM2P18

Length Finish Lumens CCT

Length (L)	Finish	Cable Length (CL)	Beam Spread	CCT
6", 1000lm (11W) MM2P06	Black B	24" Cable -P24	15° Narrow Spot -B15	2700K, 90 CRI -T27
12", 2000lm (22W) MM2P12	White W	36" Cable -P36	40° Flood -B40	3000K, 90 CRI -T30
18", 3000lm (33W) MM2P18		48" Cable -P48	60° Wide Flood -B60	3500K, 90 CRI -T35
			30° x 60° Asymmetric -B3060	4000K, 90 CRI -T40

COMPATIBLE MOUNTING & POWER SUPPLIES¹



MTRFG

1.5" Recessed Flanged Modular Slot

moduled.io/MTRFG



MTRTS

1.5" Recessed Trimless Modular Slot

moduled.io/MTRTS



MTSRF

1.5" Surface Modular Slot

moduled.io/MTSRF

¹Refer to Modular Slot Specification Sheets for more complete information.

SPECIFICATION

Applications

With 2', 3' and 4' cable lengths, the MM2P suspended louvered directed downlight puts light where it is needed without drawing attention to the fixture, creating continuous, uninterrupted lines of amazing glare-free LED light in a variety of different architectural spaces from high-end office conference rooms, lobbies, public walkways, art galleries and exhibitions, to residential homes and apartments.

Housing

Extruded aluminum in black or white high quality powder coat finish for maximum durability.

Reflector

A series of 1" square cells holding a single LED emitter with a choice of precise optics and subtle aperture treatments providing excellent visual cut off with a very comfortable Unified Glare Rating (UGR) of less than 10.

Cable

Aircraft grade cable in 24" (-P24), 36" (-P36), and 48" (-P48) lengths.

Mounting

Illuminated Module fits into Recessed Flanged (MTRFG), Recessed Trimless (MTRTS) and Surface (MTSRF) modular slot systems.

LED Details

Color Temperature - LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. 90 CRI standard.

Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Electrical Components

Thermal Management - Effective thermal management facilitated by integral extruded aluminum heat sink design for maximum heat dissipation to provide long LED life.

Driver - Highly efficient 24V DC with a power factor up to 0.99. 120V/277V AC for any residential or commercial applications.

Dimming - Superior PWM dimming technology compatible with many models of Triac, ELV, and 0-10V forward and reverse phase dimmers, and on/off switches. All models under 24V/96W are Class 2 compliant, making them safe and inspection-ready. They are derated, which means they can be loaded to maximum wattage capacity, with a minimum load of only 10%.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations. NYC approved: Calendar #41937.

Warranty

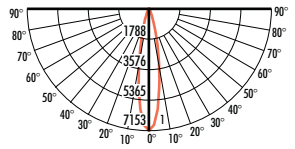
Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

PHOTOMETRY

MM2P06B (6" L, 1000lm, 11W, 15°)

MM2P06B-P24-B15-T30		MULTIPLIERS	
6", 1000lm, 15°, 3000K, CRI: 90		CCT	
System Power (Watts)	9.8W	4000K : 1.07	
Test Date	5/20/2019	3500K : 1.00	
Beam Angle (50%)	19.6°	3000K : 1.00	
Field Angle (10%)	39.7°	2700K : 1.00	
Color Temperature	3161K		
CRI:	94.5		
R9 Value	63.3		
Lumens Delivered (lm)	1160.8		
CBCP	7153		
Volts:	24V DC		

CANDELA TABULATION



Maximum Candela = 7152.83 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)

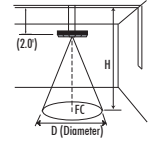
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1543	1720	3219
55	316	357	759
65	156	179	439
75	162	188	552
85	204	241	908

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	4.2'	49.4
16.0'	4.8'	36.3
18.0'	5.5'	27.8
20.0'	6.2'	22.0
22.0'	6.9'	17.8

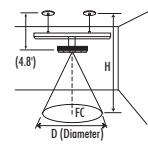
(fixture 2.0 ft below housing)



Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	3.2'	85.3
16.0'	3.9'	57.5
18.0'	4.5'	41.3
20.0'	5.2'	31.1
22.0'	5.9'	24.3

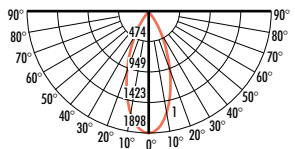
(fixture 4.8 ft below housing)



MM2P06B (6" L, 1000lm, 11W, 40°)

MM2P06B-P24-B40-T30		MULTIPLIERS	
6", 1000lm, 40°, 3000K, CRI: 90		CCT	
System Power (Watts)	9.8W	4000K : 1.07	
Test Date	5/20/2019	3500K : 1.00	
Beam Angle (50%)	41.1°	3000K : 1.00	
Field Angle (10%)	73.5°	2700K : 1.00	
Color Temperature	3111K		
CRI:	94.4		
R9 Value	62.5		
Lumens Delivered (lm)	1042.4		
CBCP	1898		
Volts:	24V DC		

CANDELA TABULATION



Maximum Candela = 1897.52 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)

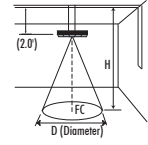
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5082	5666	10603
55	566	640	1360
65	166	190	467
75	174	203	595
85	194	229	865

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	9.0'	13.1
16.0'	10.5'	9.6
18.0'	12.0'	7.4
20.0'	13.5'	5.8
22.0'	15.0'	4.7

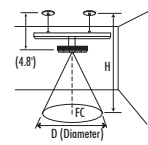
(fixture 2.0 ft below housing)



Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	6.9'	22.6
16.0'	8.4'	15.3
18.0'	9.9'	11.0
20.0'	11.4'	8.3
22.0'	12.9'	6.4

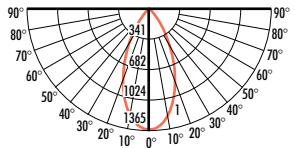
(fixture 4.8 ft below housing)



MM2P06B (6" L, 1000lm, 11W, 60°)

MM2P06B-P24-B60-T30		MULTIPLIERS	
6", 1000lm, 60°, 3000K, CRI: 90		CCT	
System Power (Watts)	9.8W	4000K : 1.07	
Test Date	5/20/2019	3500K : 1.00	
Beam Angle (50%)	48.3°	3000K : 1.00	
Field Angle (10%)	80.8°	2700K : 1.00	
Color Temperature	3123K		
CRI:	94.5		
R9 Value	62.9		
Lumens Delivered (lm)	943.4		
CBCP	1365		
Volts:	24V DC		

CANDELA TABULATION



Maximum Candela = 1364.85 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)

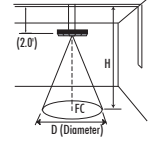
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6434	7174	13425
55	574	649	1379
65	133	152	373
75	151	176	517
85	129	153	576

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	10.8'	9.4
16.0'	12.6'	6.9
18.0'	14.4'	5.3
20.0'	16.2'	4.2
22.0'	18.0'	3.4

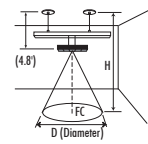
(fixture 2.0 ft below housing)



Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	8.2'	16.3
16.0'	10.0'	11.0
18.0'	11.8'	7.9
20.0'	13.6'	5.9
22.0'	15.4'	4.6

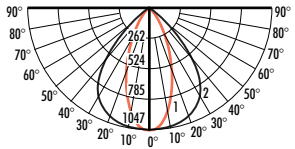
(fixture 4.8 ft below housing)



MM206B (6" L, 1000lm, 11W, 30° x 90°)

MM2P06B-P24-B3090-T30		MULTIPLIERS	
6", 1000lm, 30° x 90°, 3000K, CRI: 90		CCT	
System Power (Watts)	9.8W	4000K : 1.07	
Test Date	5/14/2019	3500K : 1.00	
Vert. Beam Angle (50%) (W)	42.6°	3000K : 1.00	
Horiz'l Beam Angle (50%) (L)	82.6°	2700K : 1.00	
Vert. Field Angle (50%) (W)	78.4°		
Horiz'l Field Angle (50%) (L)	105.8°		
Color Temperature	3120K		
CRI:	94.4		
R9 Value	62.7		
Lumens Delivered (lm)	1128.6		
CBCP	1047		
Volts:	24V DC		

CANDELA TABULATION



Maximum Candela = 1047.19 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

LUMINANCE DATA (cd/sq.m)

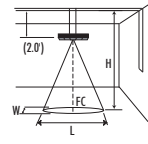
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5079	26301	87833
55	653	3091	11565
65	166	271	862
75	162	179	494
85	178	192	653

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)

Ceiling HT FT (H)	Beam Distance Vert. Angle (50%) (W)	Beam Distance Hor. Angle (50%) (L)	Foot Candle (FC)
14.0'	9.4'	21.1'	7.2
16.0'	10.9'	24.6'	5.3
18.0'	12.5'	28.2'	4.1
20.0'	14.1'	31.7'	3.2
22.0'	15.6'	35.2'	2.6

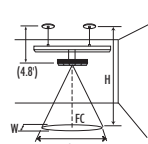
(fixture 2.0 ft below housing)



Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Distance Vert. Angle (50%) (W)	Beam Distance Hor. Angle (50%) (L)	Foot Candle (FC)
14.0'	7.1'	16.1'	12.5
16.0'	8.7'	19.6'	8.4
18.0'	10.3'	23.1'	6.0
20.0'	11.8'	26.6'	4.6
22.0'	13.4'	30.1'	3.6

(fixture 4.8 ft below housing)



2019.06.13

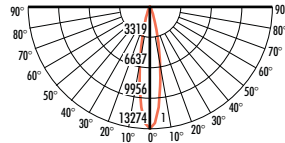
PHOTOMETRY

MM2P12B (12" L, 2000lm, 22W, 15°)

MM2P12B-P24-B15-T30	
12", 2000lm, 15°, 3000K, CRI: 90	
System Power (Watts)	17.5W
Test Date	5/20/2019
Beam Angle (50%)	19.9°
Field Angle (10%)	41.0°
Color Temperature	3161K
CRI:	94.5
R9 Value	63.3
Lumens Delivered (lm)	2250.5
CBCP	13274
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

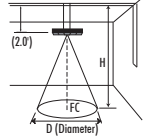


Maximum Candela = 13274.45 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1399	1638	3337
55	327	391	936
65	198	241	703
75	228	284	1079
85	263	336	1948

FOOTCANDLE DISTRIBUTION

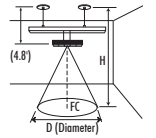
Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	3.5'	132.0
14.0'	4.2'	91.7
18.0'	5.6'	51.7
20.0'	6.3'	40.8
24.0'	7.7'	27.4



(fixture 2.0 ft below housing)

Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	2.5'	259.2
14.0'	3.2'	158.4
18.0'	4.6'	76.7
20.0'	5.3'	57.8
24.0'	6.7'	36.2



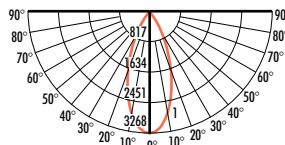
(fixture 4.8 ft below housing)

MM2P12B (12" L, 2000lm, 22W, 40°)

MM2P12B-P24-B40-T30	
12", 2000lm, 40°, 3000K, CRI: 90	
System Power (Watts)	17.5W
Test Date	5/20/2019
Beam Angle (50%)	41.0°
Field Angle (10%)	73.1°
Color Temperature	3111K
CRI:	94.4
R9 Value	62.5
Lumens Delivered (lm)	1779.5
CBCP	3268
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

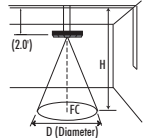


Maximum Candela = 3268.12 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4228	4948	10082
55	444	531	1272
65	161	197	573
75	175	218	828
85	196	251	1454

FOOTCANDLE DISTRIBUTION

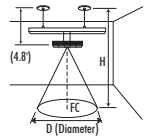
Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	7.5'	32.5
14.0'	9.0'	22.6
18.0'	12.0'	12.7
20.0'	13.5'	10.1
24.0'	16.5'	6.7



(fixture 2.0 ft below housing)

Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	5.4'	63.8
14.0'	6.8'	39.0
18.0'	9.8'	18.9
20.0'	11.3'	14.2
24.0'	14.3'	8.9



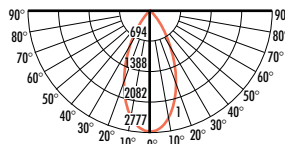
(fixture 4.8 ft below housing)

MM2P12B (12" L, 2000lm, 22W, 60°)

MM2P12B-P24-B60-T30	
12", 2000lm, 60°, 3000K, CRI: 90	
System Power (Watts)	17.5W
Test Date	5/20/2019
Beam Angle (50%)	48.3°
Field Angle (10%)	80.8°
Color Temperature	3123K
CRI:	94.5
R9 Value	62.9
Lumens Delivered (lm)	1924.1
CBCP	2777
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

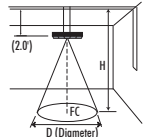


Maximum Candela = 2776.53 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6661	7796	15885
55	569	680	1630
65	186	227	662
75	198	247	936
85	229	293	1696

FOOTCANDLE DISTRIBUTION

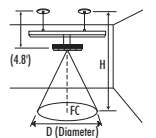
Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	9.0'	27.6
14.0'	10.8'	19.2
18.0'	14.4'	10.8
20.0'	16.2'	8.5
24.0'	19.8'	5.7



(fixture 2.0 ft below housing)

Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
12.0'	6.4'	54.2
14.0'	8.2'	33.1
18.0'	11.8'	16.0
20.0'	13.6'	12.1
24.0'	17.2'	7.6



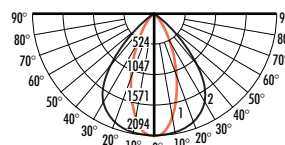
(fixture 4.8 ft below housing)

MM2P12B (12" L, 2000lm, 22W, 30° x 90°)

MM2P12B-P24-B3090-T30	
12", 2000lm, 30°x90°, 3000K, CRI: 90	
System Power (Watts)	17.5W
Test Date	5/20/2019
Vert. Beam Angle (50%) (W)	42.6°
Horiz'l Beam Angle (50%) (L)	82.6°
Vert. Field Angle (50%) (W)	78.3°
Horiz'l Field Angle (50%) (L)	105.8°
Color Temperature	3120K
CRI:	94.4
R9 Value	62.7
Lumens Delivered (lm)	2257.3
CBCP	2097
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

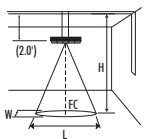


Maximum Candela = 2094.38 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5050	27442	99787
55	649	3246	13708
65	165	286	1083
75	160	190	682
85	176	205	1073

FOOTCANDLE DISTRIBUTION

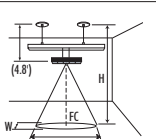
Ceiling HT FT (H)	Beam Distance		Foot Candle (FC)
	Vert. Beam Angle (50%) (W)	Hor. Beam Angle (50%) (L)	
12.0'	7.8'	17.6'	20.8
14.0'	9.4'	21.1'	14.5
18.0'	12.5'	28.2'	8.2
20.0'	14.1'	31.7'	6.5
24.0'	17.2'	38.7'	4.3



(fixture 2.0 ft below housing)

Pendant Slot (MTPDN) with 32" cable

Ceiling HT FT (H)	Beam Distance		Foot Candle (FC)
	Vert. Beam Angle (50%) (W)	Hor. Beam Angle (50%) (L)	
12.0'	5.6'	12.6'	41.0
14.0'	7.1'	16.1'	25.0
18.0'	10.3'	23.1'	12.1
20.0'	11.8'	26.6'	9.1
24.0'	14.9'	33.7'	5.7



(fixture 4.8 ft below housing)

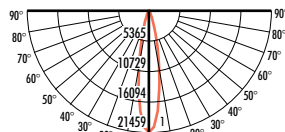
PHOTOMETRY

MM2P18B (18" L, 3000lm, 33W, 15°)

MM2P18B-P24-B15-T30	
18", 3000lm, 15°, 3000K, CRI: 90	
System Power (Watts)	29.8W
Test Date	5/20/2019
Beam Angle (50%)	19.6°
Field Angle (10%)	39.7°
Color Temperature	3161K
CRI:	94.5
R9 Value	63.3
Lumens Delivered (lm)	3482.6
CBCP	21459
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

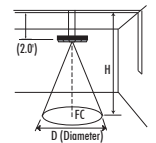


Maximum Candela = 2145.9 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

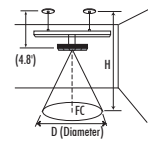
LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1533	1824	3836
55	314	382	960
65	155	193	604
75	161	206	872
85	202	265	1911

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	4.2'	148.3
16.0'	4.8'	109.0
20.0'	6.2'	66.0
24.0'	7.6'	44.2
28.0'	9.0'	31.7



Pendant Slot (MTPDN) with 32" cable		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	3.2'	256.0
16.0'	3.9'	172.4
20.0'	5.2'	93.4
24.0'	6.6'	58.5
28.0'	8.0'	40.0

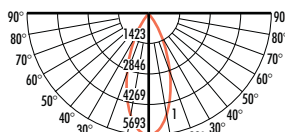


MM2P18B (18" L, 3000lm, 33W, 40°)

MM2P18B-P24-B40-T30	
18", 3000lm, 40°, 3000K, CRI: 90	
System Power (Watts)	29.8W
Test Date	5/20/2019
Beam Angle (50%)	41.1°
Field Angle (10%)	73.5°
Color Temperature	3111K
CRI:	94.4
R9 Value	62.5
Lumens Delivered (lm)	3127.1
CBCP	5693
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

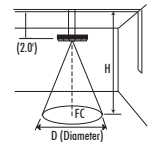


Maximum Candela = 5692.57 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

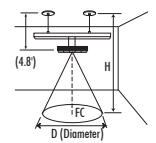
LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5049	6007	12634
55	562	685	1720
65	165	206	644
75	173	221	936
85	192	252	1820

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	9.0'	39.3
16.0'	10.5'	28.9
20.0'	13.5'	17.5
24.0'	16.5'	11.7
28.0'	19.5'	8.4



Pendant Slot (MTPDN) with 32" cable		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	6.9'	67.9
16.0'	8.4'	45.7
20.0'	11.4'	24.8
24.0'	14.4'	15.5
28.0'	17.4'	10.6

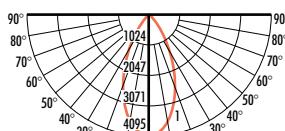


MM2P18B (18" L, 3000lm, 33W, 60°)

MM218B-B60-T30	
18", 3000lm, 60°, 3000K, CRI: 90	
System Power (Watts)	29.8W
Test Date	5/17/2019
Beam Angle (50%)	48.3°
Field Angle (10%)	80.8°
Color Temperature	3123K
CRI:	94.5
R9 Value	62.9
Lumens Delivered (lm)	3830.4
CBCP	4095
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

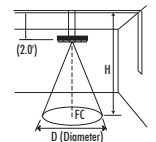


Maximum Candela = 4094.56 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

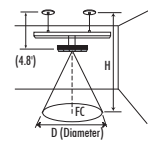
LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6392	7605	15996
55	571	695	1745
65	131	164	512
75	151	193	817
85	128	168	1212

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	10.8'	28.3
16.0'	12.6'	20.8
20.0'	16.2'	12.6
24.0'	19.8'	8.4
28.0'	23.3'	6.0



Pendant Slot (MTPDN) with 32" cable		
Ceiling HT FT (H)	Beam Dia. (D)	Foot Candle (FC)
14.0'	8.2'	48.9
16.0'	10.0'	32.9
20.0'	13.6'	17.8
24.0'	17.2'	11.2
28.0'	20.8'	7.6

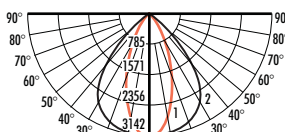


MM218B (18" L, 3000lm, 33W, 30° x 90°)

MM2P18B-P24-B3090-T30	
18", 3000lm, 30°x90°, 3000K, CRI: 90	
System Power (Watts)	29.8W
Test Date	5/20/2019
Vert. Beam Angle (50%) (W)	42.6°
Horiz'l Beam Angle (50%) (L)	82.6°
Vert. Field Angle (50%) (W)	78.4°
Horiz'l Field Angle (50%) (L)	105.8°
Color Temperature	3120K
CRI:	94.4
R9 Value	62.7
Lumens Delivered (lm)	3386.1
CBCP	3142
Volts:	24V DC

MULTIPLIERS	
CCT	
4000K :	1.07
3500K :	1.00
3000K :	1.00
2700K :	1.00

CANDELA TABULATION

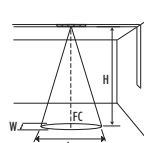


Maximum Candela = 3141.57 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

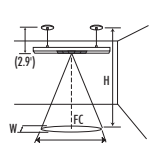
LUMINANCE DATA (cd/sq.m)			
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5046	27880	104653
55	649	3306	14626
65	165	292	1186
75	160	194	780
85	177	211	1372

FOOTCANDLE DISTRIBUTION

Recessed Slot (MTRFG, MTRTS)			
Ceiling HT FT (H)	Beam Distance	Foot Candle (FC)	
	Vert. Beam Angle (50%) (W)	Hor. Beam Angle (50%) (L)	
14.0'	9.4'	21.1'	21.7
16.0'	10.9'	24.6'	16.0
20.0'	14.1'	31.7'	9.7
24.0'	17.2'	38.7'	6.5
28.0'	20.3'	45.7'	4.6



Pendant Slot (MTPDN) with 32" cable			
Ceiling HT FT (H)	Beam Distance	Foot Candle (FC)	
	Vert. Beam Angle (50%) (W)	Hor. Beam Angle (50%) (L)	
14.0'	7.1'	16.1'	37.5
16.0'	8.7'	19.6'	25.2
20.0'	11.8'	26.6'	13.7
24.0'	14.9'	33.7'	8.6
28.0'	18.1'	40.7'	5.9



2019.06.13