

# MBW2G2C

## MB Vertical Wall Wash with Canopy

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Nominal Delivered Lumens **
L2	20W	3000K / 82 CRI	2350lm
L3	27W	3000K / 82 CRI	3200lm
L4	40W	3000K / 82 CRI	4300lm
L5	59W	3000K / 82 CRI	5700lm

\* System Wattage include driver and LED Module consumption

\*\* Delivered lumen output will vary depending on CCT and CRI

### LED LIGHT ENGINE

- 92 CRI & 82 CRI in 2700K, 3000K, 3500K and 4000K with 2 SDCM binning
- 50,000 hours average rated life at 70% output

### OPTICS

- Two high output LED arrays provide powerful uniform, vertical and horizontal illumination.
- High quality aluminum reflector with diffused anodized finish.

### ELECTRICAL SYSTEM

- 120V/277V 50/60Hz input
- Class 2 power supply
- Over voltage, over current and short circuit protection: Auto recovery
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.
- Multiple dimming drivers available

### DIMMING

- (ELV) reverse phase control dimmers. 120V only.
- 0-10V dimming available in 120V/277V

### MOUNTING

- Mounts to a standard 4" octagon junction box

### ACCESSORIES

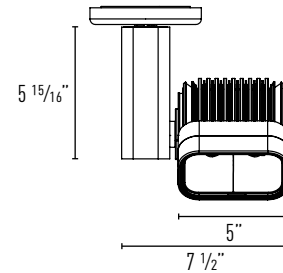
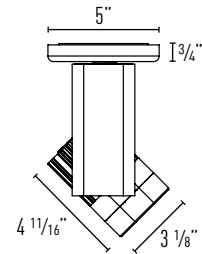
- Luminaire will accommodate (2) Filter Media, an accessory holder is required.

### LISTING/WARRANTY

- ETL Listed to US and Canadian standards for dry locations
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified <sup>2</sup>



# MB



Horizontal Adjustability: 358°

Vertical Adjustability: 258°

### Luminaire Part Number (Example: MBW2G2CL430W)

Luminaire	Wattage	CCT / CRI	Driver	Finish	
MBW2G2C	L2 (20 Watts)	27 (2700K / 82 CRI)	blank (Non-Dimming)	W (White)	
	L3 (27 Watts)	279 (2700K / 92 CRI)	-D10 (0-10V Dimming 120V/277V)	B (Black)	
	L4 (40 Watts)	30 (3000K / 82 CRI)	-DELV (ELV Dimming)	SV (Silver)	
		309 (3000K / 92 CRI)			
	L5 (59 Watts)	35 (3500K / 82 CRI)			
		359 <sup>2</sup> (3500K / 92 CRI)			
		41 (4000K / 82 CRI)			
			419 <sup>2</sup> (4000K / 92 CRI)		

### Accessory Holder

- LHW2 (Accessory Holder, Black)
- LHW2W (Accessory Holder, White)

### Filter Media

- PFL-W2-4 (Soft Focus Lens)
- PFL-W2-2-V (Vertical Linear Spread Lens)
- PFL-W2-2-H (Horizontal Linear Spread Lens)

### Notes:

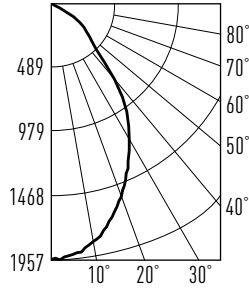
- Consult factory for lead times
- ENERGY STAR® Qualified (Excludes: 92 CRI Options)

# MB

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## MBW2G2CL230

Report #: ILL-08162016-02.3  
 Luminaire Watts: 20W  
 Luminaire Lumens: 2349lm  
 Lumens Per Watt: 117  
 Color Temperature: 3000K  
 Color Rendering Index: 82



Candelas at Nadir

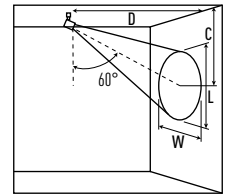
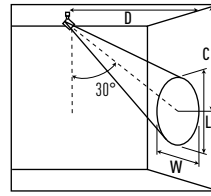
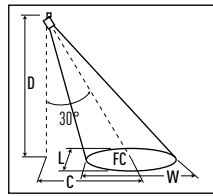
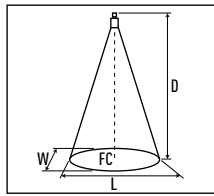
Degree	Candela
0°	1953
5°	1934
15°	1724
25°	1392
35°	997
45°	484

### APPLICATION DATA:

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** 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** Footcandles



0° HORIZONTAL					30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
D	FC	W	L		D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
6'	54.2	8' 6"	7' 6"		6'	2'	41.4	5' 9"	6' 4"	3'	3'	64.4	4' 8"	5' 2"	3'	2'	82.2	3' 7"	3' 4"
8'	30.5	11' 4"	9' 11"		8'	3'	23.3	7' 9"	8' 6"	4'	4'	36.2	6' 2"	7'	4'	3'	45.1	5'	4' 6"
10'	19.5	14' 1"	12' 5"		10'	3'	14.9	9' 9"	10' 6"	5'	5'	23.2	7' 8"	8' 8"	5'	3'	29.5	6' 1"	5' 6"
12'	13.6	16' 11"	14' 11"		12'	4'	10.4	11' 9"	12' 8"	6'	6'	16.1	9' 3"	10' 6"	6'	4'	20.5	7' 3"	6' 7"

### CCT / CRI Multipliers:

- 2700K / 82 CRI (x 0.96)
- 2700K / 92 CRI (x 0.8)
- 3000K / 82 CRI (x 1.00)
- 3000K / 92 CRI (x 0.83)
- 3500K / 82 CRI (x 1.03)
- 3500K / 92 CRI (x 0.86)
- 4000K / 82 CRI (x 1.04)
- 4000K / 92 CRI (x 0.89)

### 3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
← 3' From Wall 	1'	128	96	68	96	128	127	94	38	38	94	127	127	93	36	8	36	93	127
	2'	119	99	90	99	119	118	90	55	55	90	118	117	89	47	21	47	89	117
	3'	79	78	72	78	79	78	64	52	52	64	78	77	63	39	33	39	63	77
	4'	50	53	51	53	50	46	43	40	40	43	46	45	39	31	30	31	39	45
	5'	32	35	34	35	32	28	30	28	28	30	28	27	25	24	23	24	25	27
	6'	21	23	23	23	21	18	20	20	20	20	18	16	17	17	17	17	17	16
	7'	14	15	16	15	14	13	14	14	14	14	13	11	12	12	12	12	12	11
	8'	10	11	11	11	10	9	10	10	10	10	9	8	9	9	9	9	9	8
	9'	7	8	8	8	7	7	7	7	7	7	7	6	6	7	7	7	6	6

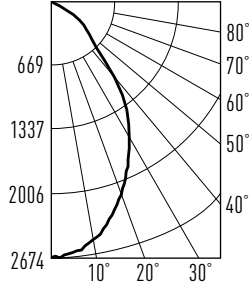
### 4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
← 4' From Wall 	1'	68	64	66	64	68	67	57	41	41	57	67	67	56	35	17	35	56	67
	2'	75	79	77	79	75	73	64	56	56	64	73	73	62	42	36	42	62	73
	3'	68	72	69	72	68	62	59	55	55	59	62	61	54	42	40	42	54	61
	4'	52	55	54	55	52	46	47	44	44	47	46	44	40	36	34	36	40	44
	5'	38	40	40	40	38	33	35	34	34	35	33	30	30	29	28	29	30	30
	6'	27	28	29	28	27	24	25	25	25	25	24	21	22	22	21	22	22	21
	7'	19	20	20	20	19	17	18	18	18	18	17	15	16	16	16	16	16	15
	8'	14	14	15	14	14	12	13	13	13	13	12	11	12	12	12	12	12	11
	9'	10	11	11	11	10	9	10	10	10	10	9	8	9	9	9	9	9	8

<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

## MBW2G2CL330

Report #: ILL-08162016-02.2  
 Luminaire Watts: 27W  
 Luminaire Lumens: 3208lm  
 Lumens Per Watt: 119  
 Color Temperature: 3000K  
 Color Rendering Index: 82



Candelas at Nadir

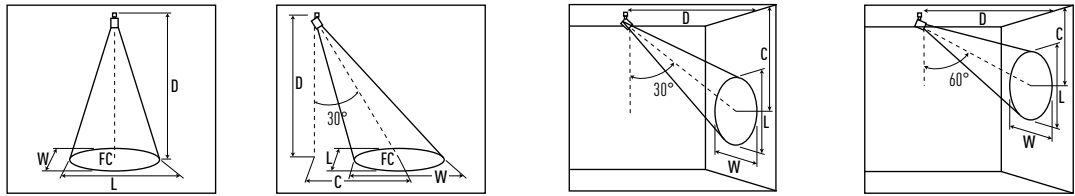
Degree	Candela
0°	2668
5°	2643
15°	2355
25°	1902
35°	1362
45°	662

### APPLICATION DATA:

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** 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** Footcandles



0° HORIZONTAL					30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
D	FC	W	L		D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
6'	74.1	8' 6"	7' 6"		6'	2'	56.6	5' 9"	6' 4"	3'	3'	88	4' 8"	5' 2"	3'	2'	112	3' 7"	3' 4"
8'	41.7	11' 4"	9' 11"		8'	3'	31.8	7' 9"	8' 6"	4'	4'	49.5	6' 2"	7'	4'	3'	61.6	5'	4' 6"
10'	26.7	14' 1"	12' 5"		10'	3'	20.4	9' 9"	10' 6"	5'	5'	31.7	7' 8"	8' 8"	5'	3'	40.3	6' 1"	5' 6"
12'	18.5	16' 11"	14' 11"		12'	4'	14.2	11' 9"	12' 8"	6'	6'	22	9' 3"	10' 6"	6'	4'	28.1	7' 3"	6' 7"

### CCT / CRI Multipliers:

- 2700K / 82 CRI (x 0.96)
- 2700K / 92 CRI (x 0.8)
- 3000K / 82 CRI (x 1.00)
- 3000K / 92 CRI (x 0.83)
- 3500K / 82 CRI (x 1.03)
- 3500K / 92 CRI (x 0.86)
- 4000K / 82 CRI (x 1.04)
- 4000K / 92 CRI (x 0.89)

### 3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
← 3' From Wall	1'	175	131	93	131	175	174	128	52	52	128	174	174	127	49	11	49	127	174
	2'	162	136	122	136	162	161	124	76	76	124	161	160	122	64	29	64	122	160
	3'	109	107	98	107	109	106	88	72	72	88	106	105	85	53	45	53	85	105
	4'	69	72	69	72	69	63	59	55	55	59	63	62	54	42	41	42	54	62
	5'	44	47	47	47	44	38	40	39	39	40	38	37	34	32	31	32	34	37
	6'	29	31	32	31	29	25	27	27	27	27	25	22	23	23	23	23	23	22
	7'	20	21	21	21	20	17	19	19	19	19	17	15	16	17	17	17	16	15
	8'	14	15	15	15	14	12	13	14	14	13	12	11	12	12	12	12	12	11
	9'	10	11	11	11	10	9	10	10	10	10	9	8	9	9	9	9	9	8

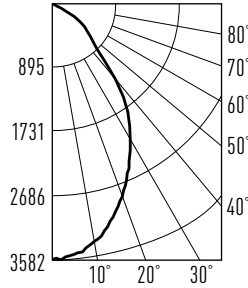
### 4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
← 4' From Wall	1'	93	87	90	87	93	92	78	57	57	78	92	92	77	48	23	48	77	92
	2'	103	108	105	108	103	100	88	77	77	88	100	100	85	57	49	57	85	100
	3'	93	98	94	98	93	85	81	75	75	81	85	84	73	57	55	57	73	84
	4'	72	75	74	75	72	62	64	60	60	64	62	60	55	50	47	50	55	60
	5'	52	55	54	55	52	45	48	46	46	48	45	41	41	39	38	39	41	41
	6'	36	39	39	39	36	32	34	34	34	34	32	29	30	30	29	30	30	29
	7'	26	27	28	27	26	23	25	25	25	25	23	21	22	22	22	22	22	21
	8'	19	20	20	20	19	17	18	18	18	18	17	15	16	16	16	16	16	15
	9'	14	14	15	14	14	13	13	14	14	13	13	11	12	12	13	12	12	11

<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

## MBW2G2CL430

Report #: ILL-08162016-02.1  
 Luminaire Watts: 41W  
 Luminaire Lumens: 4297lm  
 Lumens Per Watt: 105  
 Color Temperature: 3000K  
 Color Rendering Index: 82



Candelas at Nadir

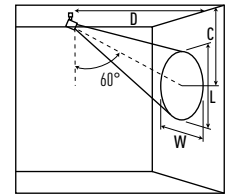
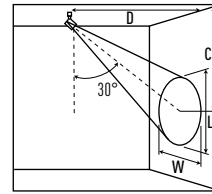
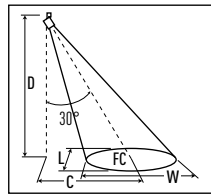
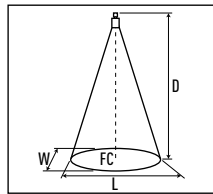
Degree	Candela
0°	3574
5°	3540
15°	3155
25°	2547
35°	1824
45°	886

### APPLICATION DATA:

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** 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** Footcandles



0° HORIZONTAL					30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
D	FC	W	L		D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
6'	99.3	8' 6"	7' 6"		6'	2'	75.8	5' 9"	6' 4"	3'	3'	118	4' 8"	5' 2"	3'	2'	150	3' 7"	3' 4"
8'	55.8	11' 4"	9' 11"		8'	3'	42.6	7' 9"	8' 6"	4'	4'	66.3	6' 2"	7'	4'	3'	82.5	5'	4' 6"
10'	35.7	14' 1"	12' 5"		10'	3'	27.3	9' 9"	10' 6"	5'	5'	42.4	7' 8"	8' 8"	5'	3'	53.9	6' 1"	5' 6"
12'	24.8	16' 11"	14' 11"		12'	4'	19	11' 9"	12' 8"	6'	6'	29.5	9' 3"	10' 6"	6'	4'	37.6	7' 3"	6' 7"

### CCT / CRI Multipliers:

- 2700K / 82 CRI (x 0.96)
- 2700K / 92 CRI (x 0.8)
- 3000K / 82 CRI (x 1.00)
- 3000K / 92 CRI (x 0.83)
- 3500K / 82 CRI (x 1.03)
- 3500K / 92 CRI (x 0.86)
- 4000K / 82 CRI (x 1.04)
- 4000K / 92 CRI (x 0.89)

### 3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
	1'	234	176	125	176	234	233	171	70	70	171	233	233	170	65	14	65	170	233
	2'	217	182	164	182	217	215	165	101	101	165	215	214	163	85	39	85	163	214
	3'	145	143	131	143	145	142	118	96	96	118	142	141	114	71	60	71	114	141
	4'	92	97	93	97	92	84	80	74	74	80	84	83	72	56	55	56	72	83
	5'	59	63	63	63	59	51	54	52	52	54	51	49	46	43	41	43	46	49
	6'	39	42	42	42	39	33	37	36	36	37	33	30	31	31	30	31	31	30
	7'	26	28	29	28	26	23	25	25	25	25	23	20	22	22	22	22	22	20
	8'	19	20	20	20	19	17	18	18	18	18	17	14	16	16	16	16	16	14
	9'	13	14	14	14	13	12	13	13	13	13	12	11	12	12	12	12	12	11

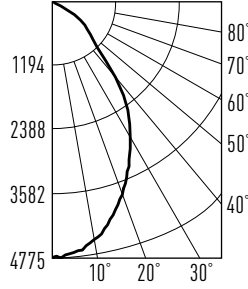
### 4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
	1'	125	117	121	117	125	123	105	76	76	105	123	123	103	64	31	64	103	123
	2'	138	145	141	145	138	134	117	103	103	117	134	133	114	76	66	76	114	133
	3'	124	132	126	132	124	114	108	100	100	108	114	112	98	76	74	76	98	112
	4'	96	101	99	101	96	83	86	81	81	86	83	81	74	67	63	67	74	81
	5'	69	73	73	73	69	60	64	62	62	64	60	55	55	53	51	53	55	55
	6'	49	52	53	52	49	43	46	46	46	46	43	38	41	40	39	40	41	38
	7'	34	37	37	37	34	31	33	33	33	33	31	28	30	30	29	30	30	28
	8'	25	26	27	26	25	23	24	25	25	24	23	20	22	22	22	22	22	20
	9'	18	19	20	19	18	17	18	18	18	18	17	15	16	17	17	17	16	15

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## MBW2G2CL530

Report #: ILL-08162016-02  
 Luminaire Watts: 59W  
 Luminaire Lumens: 5730lm  
 Lumens Per Watt: 97  
 Color Temperature: 3000K  
 Color Rendering Index: 82



### Candelas at Nadir

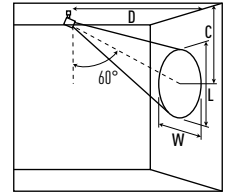
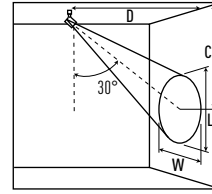
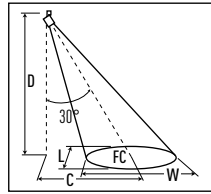
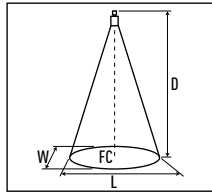
Degree	Candela
0°	4765
5°	4719
15°	4206
25°	3397
35°	2432
45°	1181

### APPLICATION DATA:

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

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



0° HORIZONTAL					30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
D	FC	W	L		D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
6'	132	8' 6"	7' 6"		6'	2'	101	5' 9"	6' 4"	3'	3'	157	4' 8"	5' 2"	3'	2'	201	3' 7"	3' 4"
8'	74.4	11' 4"	9' 11"		8'	3'	56.8	7' 9"	8' 6"	4'	4'	88.4	6' 2"	7'	4'	3'	110	5'	4' 6"
10'	47.6	14' 1"	12' 5"		10'	3'	36.4	9' 9"	10' 6"	5'	5'	56.6	7' 8"	8' 8"	5'	3'	71.9	6' 1"	5' 6"
12'	33.1	16' 11"	14' 11"		12'	4'	25.3	11' 9"	12' 8"	6'	6'	39.3	9' 3"	10' 6"	6'	4'	50.1	7' 3"	6' 7"

### CCT / CRI Multipliers:

- 2700K / 82 CRI (x 0.96)
- 2700K / 92 CRI (x 0.8)
- 3000K / 82 CRI (x 1.00)
- 3000K / 92 CRI (x 0.83)
- 3500K / 82 CRI (x 1.03)
- 3500K / 92 CRI (x 0.86)
- 4000K / 82 CRI (x 1.04)
- 4000K / 92 CRI (x 0.89)

### 3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
	1'	312	235	167	235	312	311	228	93	93	228	311	310	227	87	19	87	227	310
	2'	289	242	219	242	289	287	221	135	135	221	287	286	218	114	52	114	218	286
	3'	194	191	175	191	194	189	157	128	128	157	189	188	153	94	81	94	153	188
	4'	123	129	124	129	123	112	106	98	98	106	112	110	96	75	73	75	96	110
	5'	79	84	84	84	79	68	72	69	69	72	68	65	61	57	55	57	61	65
	6'	52	56	57	56	52	44	49	49	49	49	44	40	41	42	41	42	41	40
	7'	35	38	38	38	35	31	34	34	34	34	31	27	29	30	30	30	29	27
	8'	25	26	27	26	25	22	24	24	24	24	22	19	21	22	22	22	21	19
	9'	18	19	19	19	18	16	17	18	18	17	16	14	16	16	16	16	16	16

### 4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
		4'					5'					6'							
	1'	167	156	161	156	167	164	140	101	101	140	164	164	137	85	41	85	137	164
	2'	184	193	188	193	184	179	157	138	138	157	179	178	152	102	88	102	152	178
	3'	166	176	168	176	166	152	144	133	133	144	152	150	131	102	98	102	131	150
	4'	128	134	132	134	128	111	115	108	108	115	111	107	98	89	83	89	98	107
	5'	92	98	97	98	92	80	86	82	82	86	80	73	74	70	67	70	74	73
	6'	65	69	70	69	65	58	61	61	61	61	58	51	54	53	51	53	54	51
	7'	46	49	50	49	46	42	44	44	44	44	42	37	40	39	39	39	40	37
	8'	33	35	36	35	33	30	32	33	33	32	30	27	29	29	29	29	29	27
	9'	24	26	26	26	24	22	24	24	24	24	22	20	22	22	22	22	22	20