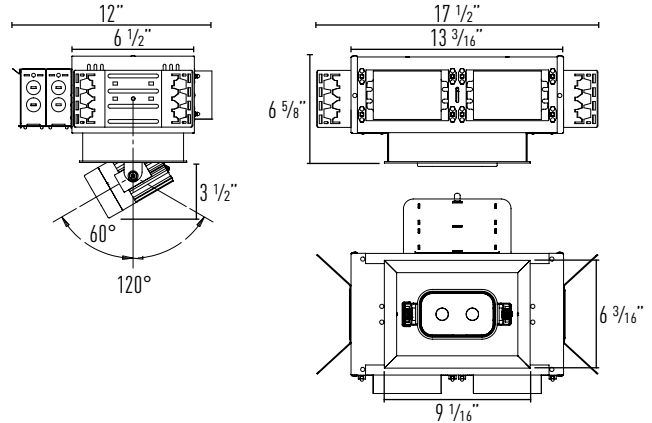


ICL-MBW2

MBW2 Flood Pull Down



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Cut-out: 8 3/4" x 6 3/8"

Catalog Number	System Wattage *	Delivered Lumens **
ICL-MBW2L1	25W	1751lm @ 3000K
ICL-MBW2L2	35W	2576lm @ 3000K
ICL-MBW2L3	51W	3286lm @ 3000K
ICL-MBW2L4	62W	3611lm @ 3000K

* System wattage include driver and LED module consumption.

** Delivered lumen output will vary depending on CCT, CRI and optic selection.

Order Matrix | Example: ICL-MBW2L4309-D10-BW-I100

A	B	C	D	E	F
A Series				E Voltage	
ICL-MBW2		MBW2 Flood Pull Down		blank 27	
B Wattage				F Finishes ²	
L1	25W			-BW Black Interior / White Trim	
L2	35W			-WW White Interior / White Trim	
L3	51W				
L4	62W				
C CCT / CRI				G Options	
27	2700K / 82 CRI			-I100 C-Channel Bar (pair)	
279	2700K / 92 CRI			-I200 Flat Bar (pair)	
30	3000K / 82 CRI			-I400 Architectural Bar (pair)	
309	3000K / 92 CRI			-EM Remote Emergency Unit ³	
35	3500K / 82 CRI				
41	4100K / 82 CRI				
D Dimming					
blank	Non-Dimming				
-D10	0-10V Dimming 10%				
-ED10V1	eldoLED 0-10V 1%				
-ED10V01	eldoLED 0-10V 0.1%				
-DELV	ELV Dimming ¹				
-LUT1	Lutron 3-Wire Hi-Lume 1%				
-LUT	Lutron EcoSystem 1%				
-EDALI1	eldoLED DALI 1%				
-EDALI01	eldoLED DALI 0.1%				

Notes:

1. ELV Dimming available in 120V only.
2. Consult factory for special order finishes.
3. Access above ceiling required.

Accessories

Luminaire will accommodate a maximum of (2) filter media. Accessory holder or snoot required.

Accessory Holder		Snoot	
LHW2	Accessory Holder, Black	SNTW2	Snoot, Black
LHW2W	Accessory Holder, White	SNTW2W	Snoot, 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

LED LIGHT ENGINE

- 2700K, 3000K, 3500K and 4100K / 82 CRI
- 2700K, 3000K / 92 CRI (R9 Value = 59)
- 3 Step MacAdam (3 SDMC)
- 50,000 hours L70

OPTICS

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

ELECTRICAL SYSTEM

- 120V or 277V 50/60Hz input
- Class 2 power supply
- Over voltage, over current and short circuit protection: Auto recovery
- MTBF > 100,000 hours
- 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

HOUSING

The inner trim is constructed of 20GA steel painted black, white or silver. The internal wire bundles are locked and covered with a glass sleeve. The housing is supplied with a plate to allow the junction box to be accessible from below the ceiling.

MOUNTING

The luminaire can accommodate a 1/2" to 1 1/4" ceiling thickness. The fixture is supplied with channel brackets that allow up-to 5" vertical adjustment. Universal mounting brackets included. Compatible with C-channel, flat bar, and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings.

FLANGED TRIM

Extruded trim frame includes torsion springs for convenient installation or removal from the housing.

EMERGENCY

Emergency driver operates LED load of up to 7.0 watts at a nominal 450 lumens for a minimum of 90 minutes. See submittal sheet IB-BSL17C-C2 for specifications.

LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations.
- 10-Year Intense LED Limited Warranty



MULTIPLES L/M-109/14 P-1

Intense Lighting, LLC | 3340. 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.

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ICL-MBW2L130

Report #: L091408705

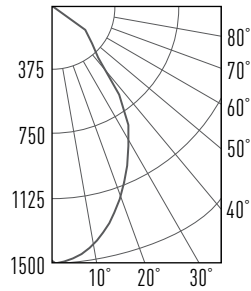
Luminaire Watts: 24.81

Luminaire Lumens: 1751.08

Lumens Per Watt: 70.59

Color Temperature: 3152

Color Rendering Index: 83.2



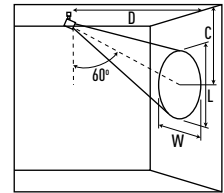
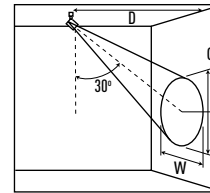
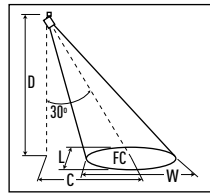
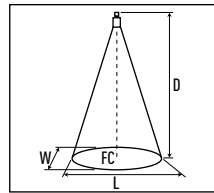
Candelas at Nadir

Degree	Candela
0°	1481
5°	1479
15°	1310
25°	1045
35°	747
45°	366

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° 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
5.0'	59.5	4.43	4.86		5.0'	1.5	47.4	5.1	4.75	3.0'	1.75	65.4	3.47	3.57	3.0'	1	131	2.86	2.64
7.5'	26.5	6.63	7.25		7.5'	2.25	21.1	7.66	7.1	4.0'	2.25	36.8	4.63	4.76	4.0'	1.25	74	3.8	3.5
10'	15	8.8	9.63		10'	3	11.8	10.23	9.51	5.0'	3	23.5	5.79	5.94	5.0'	1.5	47.4	4.75	4.38
12.5'	9.6	10.99	12.04		12.5'	3.75	7.6	12.75	11.83	6.0'	3.5	16.3	6.95	7.14	6.0'	1.75	32.9	5.69	5.25

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.



3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
	1'	51	48	50	48	51	51	43	31	31	43	51	50	42	26	11	26	42	50
	2'	57	60	58	60	57	55	49	43	43	49	55	55	47	31	29	31	47	55
	3'	52	55	52	55	52	47	45	41	41	45	47	47	40	31	30	31	40	47
	4'	40	42	41	42	40	35	36	34	34	36	35	33	31	28	26	28	31	33
	5'	29	31	31	31	29	26	27	26	26	27	26	23	23	22	21	22	23	23
	6'	20	22	22	22	20	18	19	19	19	19	18	16	17	17	16	17	17	16
	7'	15	16	16	16	15	13	14	14	14	14	13	12	13	13	12	13	13	12
	8'	10	11	12	11	10	10	10	10	10	10	10	9	9	9	9	9	9	9
	9'	8	8	8	8	8	7	8	8	8	8	7	7	7	7	7	7	7	7

4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
 ← 4' From Wall	1'	96	71	55	71	96	95	70	30	30	70	95	95	70	28	4	28	70	95
	2'	90	74	67	74	90	89	68	41	41	68	89	89	67	35	16	35	67	89
	3'	60	60	54	60	60	59	49	40	40	49	59	58	48	29	25	29	48	58
	4'	39	41	39	41	39	35	34	31	31	34	35	35	30	24	23	24	30	35
	5'	25	27	27	27	25	21	23	22	22	23	21	20	19	18	17	18	19	20
	6'	16	18	18	18	16	14	16	15	15	16	14	13	13	13	13	13	13	13
	7'	11	12	12	12	11	10	11	11	11	11	10	9	9	10	9	10	9	9
	8'	8	8	9	8	8	7	8	8	8	8	7	6	7	7	7	7	7	6
	9'	6	6	6	6	6	5	5	6	6	5	5	5	5	5	5	5	5	5

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.

MULTIPLES L/M-109-14 P-2

Intense Lighting, LLC | 3340. E La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselightning.com
Note: Specifications and dimensions subject to change without notice.



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ICL-MBW2L230

Report #: L091408706

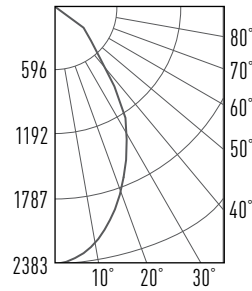
Luminaire Watts: 35.05

Luminaire Lumens: 2575.75

Lumens Per Watt: 73.48

Color Temperature: 3137

Color Rendering Index: 83.8



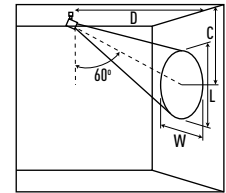
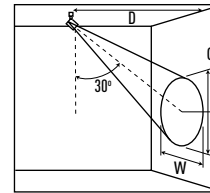
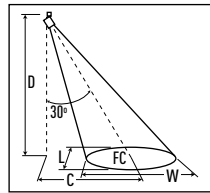
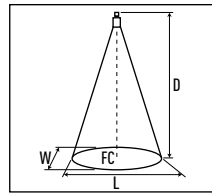
Candelas at Nadir

Degree	Candela
0°	2383
5°	2342
15°	2047
25°	1597
35°	1099
45°	557

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° 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
5.0'	95.3	4.11	4.66		5.0'	1.5	74.2	5.03	4.46	3.0'	1.75	98.6	3.32	3.64	3.0'	1	206	2.69	2.64
7.5'	42.4	6.15	6.98		7.5'	2.5	33	7.54	6.68	4.0'	2.5	55.6	4.41	4.84	4.0'	1.25	116	3.57	3.51
10'	23.8	8.21	9.33		10'	3.25	18.6	10.04	8.9	5.0'	3	35.6	5.52	6.03	5.0'	1.5	74.2	4.46	4.39
12.5'	15.3	10.22	11.61		12.5'	4	11.9	12.54	11.14	6.0'	3.75	24.7	6.64	7.23	6.0'	2	51.6	5.35	5.27

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.



3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
 ← 3' From Wall	1'	145	104	77	104	145	145	102	40	40	102	145	145	102	39	3	39	102	145
	2'	141	111	96	111	141	140	102	58	58	102	140	140	101	49	20	49	101	140
	3'	96	90	78	90	96	94	74	57	57	74	94	94	73	41	35	41	73	94
	4'	60	62	57	62	60	55	51	45	45	51	55	55	46	34	32	34	46	55
	5'	38	40	39	40	38	33	35	32	32	35	33	32	29	27	25	27	29	32
	6'	25	27	27	27	25	22	23	23	23	23	22	20	20	19	19	19	20	20
	7'	17	18	18	18	17	15	16	16	16	16	15	13	14	14	14	14	14	13
	8'	12	13	13	13	12	11	11	11	11	11	11	9	10	10	10	10	10	9
	9'	8	9	9	9	8	8	8	8	8	8	8	7	7	8	8	8	7	7

4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
	1'	76	69	70	69	76	76	62	43	43	62	76	76	62	36	15	36	62	76
	2'	88	90	83	90	88	85	73	62	62	73	85	85	70	45	41	45	70	85
	3'	80	82	76	82	80	74	68	60	60	68	74	73	62	46	43	46	62	73
	4'	63	64	61	64	63	55	55	49	49	55	55	53	48	41	37	41	48	53
	5'	45	47	46	47	45	40	41	38	38	41	40	36	36	33	30	33	36	36
	6'	31	33	34	33	31	28	29	29	29	29	28	25	26	25	24	25	26	25
	7'	22	24	24	24	22	20	21	21	21	21	20	18	19	19	18	19	19	18
	8'	16	17	17	17	16	14	15	16	16	15	14	13	14	14	14	14	14	13
	9'	12	12	13	12	12	11	11	12	12	11	11	10	10	11	11	11	10	10

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.

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ICL-MBW2L330

Report #: L091408707

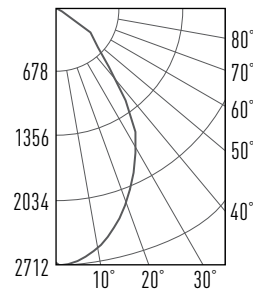
Luminaire Watts: 50.65

Luminaire Lumens: 3286.46

Lumens Per Watt: 64.89

Color Temperature: 3156

Color Rendering Index: 83.7



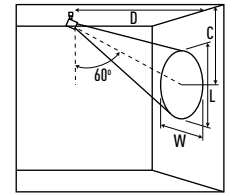
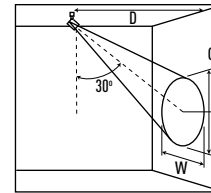
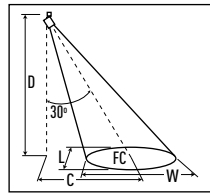
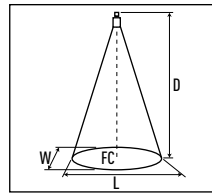
Candelas at Nadir

Degree	Candela
0°	2678
5°	2676
15°	2402
25°	1949
35°	1404
45°	725

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

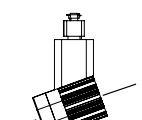


0° HORIZONTAL					30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
D	FC	W	L		D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
5.0'	108	4.51	4.97		5.0'	1.5	86.6	5.14	4.82	3.0'	1.75	123	3.45	3.51	3.0'	0.75	240	2.9	2.63
7.5'	48	6.78	7.46		7.5'	2	38.5	7.71	7.23	4.0'	2.25	69.3	4.59	4.66	4.0'	1.25	135	3.87	3.5
10'	27.1	9	9.9		10'	2.75	21.7	10.25	9.62	5.0'	2.75	44.4	5.74	5.79	5.0'	1.5	86.6	4.82	4.37
12.5'	17.3	11.28	12.42		12.5'	3.5	13.9	12.79	12.01	6.0'	3.25	30.8	6.89	6.97	6.0'	1.75	60.2	5.78	5.24

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.



3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
	1'	179	136	99	136	179	178	131	56	56	131	178	178	130	51	12	51	130	178
	2'	164	139	125	139	164	163	124	79	79	124	163	162	123	64	34	64	123	162
	3'	111	108	101	108	111	106	91	73	73	91	106	106	87	56	44	56	87	106
	4'	71	74	72	74	71	65	62	57	57	62	65	63	56	44	41	44	56	63
	5'	45	49	49	49	45	40	42	41	41	42	40	38	36	33	32	33	36	38
	6'	30	33	33	33	30	26	28	29	29	28	26	24	24	24	24	24	24	24
	7'	21	22	23	22	21	18	20	20	20	20	18	16	17	18	18	18	17	16
	8'	14	16	16	16	14	13	14	14	14	14	13	11	13	13	13	13	13	11
	9'	10	11	11	11	10	10	10	11	11	10	10	8	9	10	10	10	9	8

4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
	1'	97	92	92	92	97	95	81	59	59	81	95	95	79	49	26	49	79	95
	2'	107	109	107	109	107	102	91	78	78	91	102	101	86	60	49	60	86	101
	3'	94	99	96	99	94	86	83	75	75	83	86	84	74	59	55	59	74	84
	4'	72	77	76	77	72	64	65	62	62	65	64	60	58	50	49	50	58	60
	5'	53	56	56	56	53	46	49	48	48	49	46	43	43	40	39	40	43	43
	6'	37	40	41	40	37	33	36	35	35	36	33	30	31	31	30	31	31	30
	7'	27	29	29	29	27	24	26	26	26	26	24	21	23	23	23	23	23	21
	8'	19	21	21	21	19	18	19	19	19	19	18	16	17	17	17	17	17	16
	9'	14	15	16	15	14	13	14	14	14	14	13	12	13	13	13	13	13	12

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.

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ICL-MBW2L430

Report #: L091408708

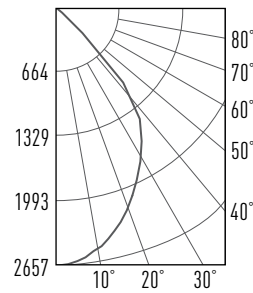
Luminaire Watts: 61.89

Luminaire Lumens: 3611.04

Lumens Per Watt: 58.35

Color Temperature: 3167

Color Rendering Index: 83.3



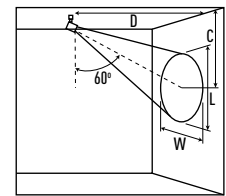
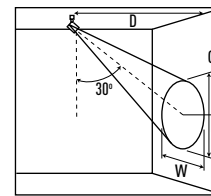
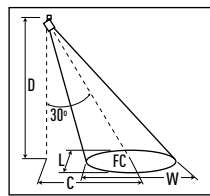
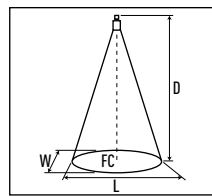
Candelas at Nadir

Degree	Candela
0°	2656
5°	2631
15°	2419
25°	2053
35°	1550
45°	815

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° 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
5.0'	106	5	5.33		5.0'	1.25	87.2	5.22	5.28	3.0'	1.5	133	3.65	3.41	3.0'	0.75	242	3.17	2.6
7.5'	47.2	7.5	7.98		7.5'	2	38.8	7.81	7.9	4.0'	2.25	75.1	4.86	4.52	4.0'	1	136	4.22	3.48
10'	26.6	9.97	10.63		10'	2.5	21.8	10.43	10.54	5.0'	2.75	48.2	6.08	5.64	5.0'	1.25	87.2	5.27	4.33
12.5'	17	12.48	13.3		12.5'	3.25	14	13.01	13.14	6.0'	3.25	33.5	7.3	6.75	6.0'	1.5	60.5	6.33	5.2

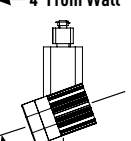
Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



3' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
← 3' From Wall 	1'	190	148	124	148	190	189	145	67	67	145	189	189	144	64	10	64	144	189
	2'	164	145	144	145	164	162	130	90	90	130	162	162	128	74	36	74	128	162
	3'	109	115	111	115	109	106	92	83	83	92	106	105	89	60	56	60	89	105
	4'	71	79	78	79	71	64	64	63	63	64	64	63	57	48	49	48	57	63
	5'	48	52	52	52	48	40	45	44	44	45	40	38	37	37	37	37	37	38
	6'	32	35	35	35	32	27	31	31	31	31	27	24	26	27	27	27	26	24
	7'	22	24	24	24	22	20	21	22	22	21	20	17	19	19	19	19	19	17
	8'	16	17	17	17	16	14	15	16	16	15	14	12	14	14	14	14	14	12
	9'	11	12	12	12	11	11	11	12	12	11	11	9	10	11	11	11	10	9

4' From Wall

Distance From Wall	Distance From Ceiling	4' Centers					5' Centers					6' Centers							
																			
← 4' From Wall 	1'	105	101	109	101	105	104	90	68	68	90	104	103	88	57	27	57	88	103
	2'	109	121	120	121	109	105	95	92	92	95	105	104	90	66	65	66	90	104
	3'	95	106	104	106	95	85	85	85	85	85	85	84	75	64	66	64	75	84
	4'	74	80	80	80	74	63	69	67	67	69	63	60	58	56	55	56	58	60
	5'	55	58	59	58	55	47	52	51	51	52	47	42	44	44	43	44	44	42
	6'	39	42	43	42	39	35	37	38	38	37	35	30	33	33	33	33	33	30
	7'	28	30	31	30	28	25	27	28	28	27	25	22	24	25	25	25	24	22
	8'	20	22	22	22	20	19	20	20	20	20	19	17	18	19	19	19	18	17
	9'	15	16	16	16	15	14	15	15	15	15	14	13	14	14	14	14	14	13

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.