



The Moon Series offers a high-performance solution for the most demanding applications packaged in a unique and easy to install design. With different precision refractive optical lenses and versatile mounting options including post top, low bay, parking garage, and gas station canopy, this luminaire can be used in many applications such as pedestrian street, factories, schools, gardens, courtyards, hotels, parking lots, and public parks.

## TECHNICAL DATA

<b>Wattage</b>	35W, 50W, 75W, 100W, 135W
<b>CRI</b>	≤50W, 80 >50W, 70
<b>CCT</b>	3000K, 4000K, 5000K
<b>Input Voltage</b>	120 - 277V, 347V, 480V, 50/60Hz
<b>Driver</b>	
35W/50W/75W	0-10V Dimming <sup>1</sup>
100W/135W	1-10V Dimming <sup>1</sup>
<b>Operating Temp.</b>	
35W/50W/75W/100W	-40°F to 131°F (-40°C to 55°C)
135W	-40°F to 104°F (-40°C to 40°C)
<b>Certifications</b>	cETLus conforms to UL Std. 1598 Cert. to CSA Std. C22.2 No.250.0 DLC5.1 premium listed RoHS compliant
<b>Power Factor</b>	>0.9 at full load
<b>Harmonic Distortion</b>	<20% at full load
<b>Projected Lifetime</b>	L70 - 154,000 Hours
<b>IP Rating</b>	IP66 (Not include junction box)
<b>IK Rating</b>	IK10 rated for polycarbonate lens

### NOTE:

1. The dimming wires are inside the fixture. If need to have access to the dimming wire please contact Customer Service.



Hook Mount



Surface Mount



Pendant Mount

## FEATURES

- Tempered clear and frosted glass lens.
- Various mounting options.
- Various sensors available.
- Performance up to 165LPW.
- House side shield and wire guard available.
- DLC5.1 premium listed.

### ORDERING INFORMATION

EXAMPLE: MLB75501-MS-L7B

MLB							
Series	Wattage	CCT	Voltage	Control	Distribution	Lens	Finish
MLB	35	30	1	BLANK	BLANK Type V	BLANK	Standard
	35W	3000K	120-277V	None		Glass Clear Lens <sup>3</sup>	BLANK
	50	40	6	MS - L7B		GFL	Dark
	50W	4000K	120-347V <sup>1</sup>	Wattstopper		Glass Frosted Lens	Bronze <sup>6</sup>
		50		Sensor with Black L7 Lens <sup>2</sup>		PCL	Custom colors
		5000K		EBU		Polycarbonate Clear Lens <sup>4</sup>	will ask for additional charge.
				Emergency Battery Back-up <sup>5</sup>		PDL	
						Polycarbonate Diffused Lens <sup>4</sup>	
	75	30	1				
	75W	3000K	120-277V				
	100	40	6				
	100W	4000K	347/480V <sup>1</sup>				
	135	50					
	135W	5000K					

#### NOTE:

1. No controls for 120-347V and 347/480V.
2. Wattstopper sensor is not available for 120-347V and 347/480V. Black L7 lens is standard.
3. Glass clear lens is standard. GFL, PCL and PDL will take long time - Please Ask Customer Service for details.
4. Polycarbonate lens is IK10 rated.
5. Emergency battery backup is available for 35W, 50W and 75W. For ambient temperatures of 32°F to 95°F (0°C to 35°C). The emergency test button is pre-installed on fixture. The EBU is Title 20 compliant.
6. The standard finish is Dark Bronze. Custom finish colors will ask for additional charge. Please contact Customer Service for details.

### SPECIFICATION

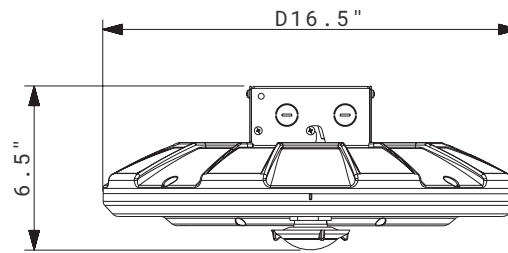
Dimension(D-H):

Diameter: 16.5"

Height: 6.5"

The Cable Wire Length: 11.8"

Max. Weight: 15.9 lbs



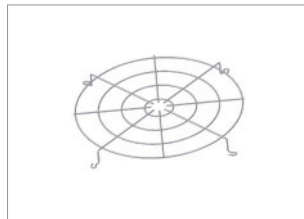
### ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)



**90198**

**MPT-HSS**

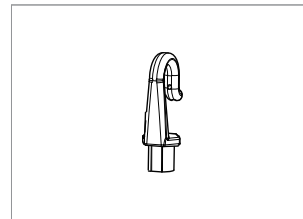
House Side Shield for Moon series.



**90481**

**MLB-WG**

Wire Guard for Moon series.



**90194**

**MLB-HM<sup>1</sup>**

Hook for Moon series.



3-pin

Waterproof Connector<sup>2</sup>.



**90097**

6 feet white 120V plug and cord.



**90098**

6 feet white 277V plug and cord.



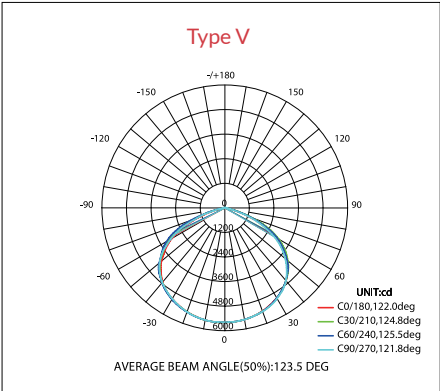
6 feet black 3-wire cable, 600V.

#### NOTE:

1. If without hook accessory, it is suitable for pendant mount and surface mount.
2. It is for IP66 application.

PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.



PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Wattage	Lumen Output	AC Input 120V	CRI	Distribution Type	CCT	LPW
35W	5360lm	0.29A	80	Type V	5000K	158
50W	7950lm	0.42A	80	Type V	5000K	159
73W	11450lm	0.61A	70	Type V	5000K	157
100W	16600lm	0.83A	70	Type V	5000K	166
135W	22270lm	1.13A	70	Type V	5000K	165

NOTE:

1. Multiplier for clear glass lens is 1; multiplier for frosted glass lens is 0.89; multiplier for polycarbonate diffused lens is 0.83.

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the LED Light in a 77°F ambient (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

75W				
Operating Hours	10,000H	18,000H	35,000H	144,000H
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)
100W				
Operating Hours	10,000H	19,000H	37,000H	154,000H
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

## BUG RATING TABLE

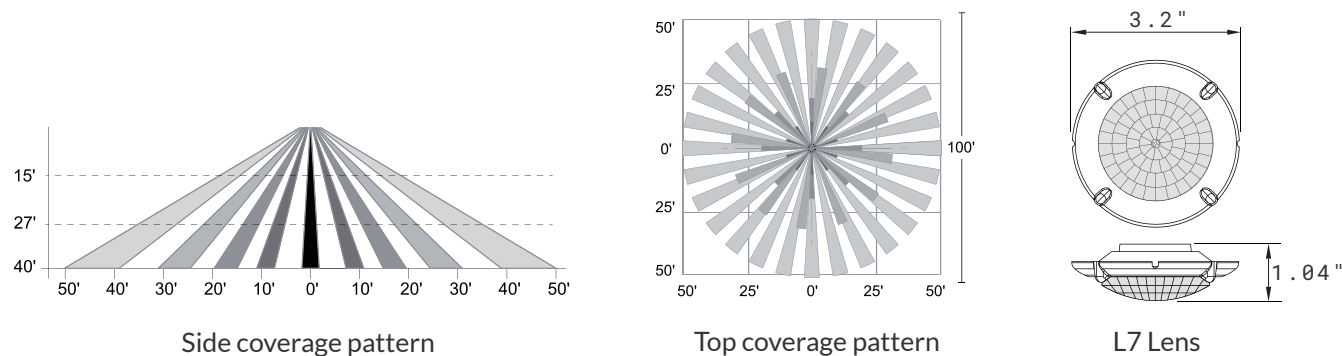
Performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory.

Model	Description	BUG Rating
MLB35301	35W/3000K/Type V	B2-U1-G1
MLB50301	50W/3000K/Type V	B3-U1-G1
MLB75301	75W/3000K/Type V	B3-U1-G1
MLB100301	100W/3000K/Type V	B3-U1-G1
MLB135301	135W/3000K/Type V	B3-U3-G1

## MULTI-LEVEL MOTION SENSOR (MS-L7B)

The fixture with occupancy sensor raises or lowers the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient. The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.

The L7 lens provides maximum coverage of 100 feet diameter mounted at 40 feet height. Please see below drawing for lens side and top coverage and dimensionn.



## WARRANTY

5 years limited warranty.

Specifications subject to change without notice.