ABOVE ALL
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Project Name_____
Product Code_____
SKU No._____
Memo _____
Data _____

LED MOON SERIES POST TOP

ETL LISTED Intertek — DLC QPL LISTED — DARKSKY APPROVED, Reduces light pollution, Certified by DarkSky.org

5 YEAR LIMITED WARRANTY — Title 24 SUPPORT COMPLIANCE — RoHS COMPLIANCE — CONTROLS CUSTOMIZATION — WET LOCATION — MOTION SENSOR — IK10

PRODUCT DESCRIPTION

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.

FEATURE

- Easy and convenient for installation
- Lightweight design and low E PA minimize pole load
- Die-cast aluminum housing and excellent thermal management
- IES distribution Types II, III & V for various applications
- Tempered glass lens doesn't fade and discolor
- Multi-level motion sensor, photocontrol and 3/5/7-pin NEMA receptacle options.

ELECTRICAL SYSTEM

- Input Voltage: 120-277VAC/347V/480V
- 50/60Hz
- 0-10V dimming for 35W, 50W and 75W; 1-10V dimming for 100W and 135W
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Integral 10KA surge suppression protection standard

SPECIFICATION

Max. Weight: 16.54 lbs

Effective Projected Area (EPA): 0.7ft²

16.5"

20.6"

3.3

Base Hole Height: 3.1"

Suitable for Φ 2 3/8" to 3" Pole
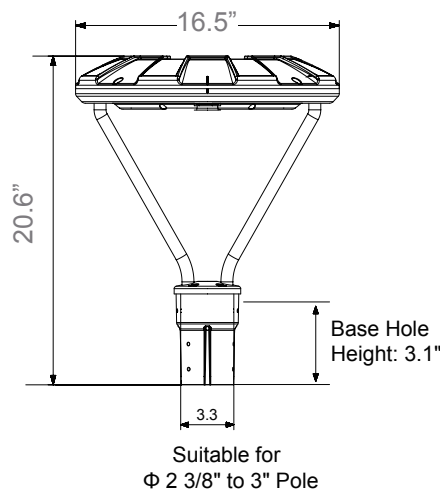
PERFORMANCE

CRI

≤50W , 70 CRI
>50W , 80 CRI

CCT

3000K/ 4000K/ 5000K

Dimming

0-10V Dimmable driver is For 35W/50W/75W
1-10V Dimmable driver is For 100W and 135W
Dimming wires are pre-installed inside the fixture. If dimming wires need to be accessed, please contact Customer Service.

Projected Lifetime

L70 - 109,000 Hours

Working Temperature

35W/50W/75W/100W: -40-131˚F (-40-55˚C)
135W: -40-104˚F (-40-40˚C)

Certifications

- cETLus conforms to UL Std. 1598 Cert. to CSA Std. C22.2 No.250.0
- IP66 rated
- IK10 rated for polycarbonate lens
- DLC qualified*
- RoHS compliant
- DarkSky Approved*

Notes:

* If you find configurations are not shown as DLC listed, please do not hesitate to inquire with Customer Service.

* Only 3000K or less is DarkSky Approved.

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Ordering Information

Example: MPT35501-MS-L3B-P1-V

Name	Watts	CCT	Voltage	Control	Installation	Distribution	Lens	Finish
MPT	35 - 35W 50 - 50W	30 - 3000K 40 - 4000K 50 - 5000K	1 - 120-277V 2 - 347V [1] 6 - 120-347 [3]	Blank - None MS-L3B - Wattstopper Sensor With Black L3 Lens [4]	P1 - 2 3/8" or 3" Tenon pole [6]	II - Type II III - Type III V - Type V	Blank - Glass Clear Lens [7] GFL - Glass Frosted Lens	Blank - Dark Bronze * Custom colours are available for additional charge.
	75 - 75W 100 - 100W 135 - 135W		1 - 120-277V 2 - 347V [1] 3 - 480V [2] 6 - 347/480V [3]	MS-L7B - Wattstopper Sensor With Black L7 Lens [4] PC - Photoelectric Control 7P - 7-Pin PE Receptacle [5] SRP - Bluetooth sensor receptacle [9]			PCL - Polycarbonate Clear Lens [8] PDL - Polycarbonate Diffused Lens [8]	

Notes:

1. Single voltage 347V is only used with photoelectric control.

2. Single voltage 480V is only used with photoelectric control.

3. No controls for 120-347V and 347/480V.

4. Wattstopper sensor is not available for 120-347V and 347/480V. Black L3 lens is standard for 35W and 50W. Black L7 lens is standard for75W, 100W and 135W. Please check the motion sensor manual for more information.

5. Sensor is by others. Shorting cap included.

6. 4" OD round and square pole adapter is available for accessory.

7. Glass clear lens is standard. For other lens options (GFL/PCL/PDL), please check with Customer Service for lead-times.

8. Polycarbonate lens is IK10 rated.

9. The Bluetooth PIR sensor need to be ordered separately and field installed. It is suitable for a max mounting height of 40ft Max.

* Standard Finish is Dark Bronze. Custom colours are available for additional charge. Please contact Customer Service for details.

Accessories (Ordered separately & field installed)

90178
MPT-4RPA
4" OD Round Pole Adapter

90534
MPT-4SPA
4" Square Pole Adapter

91255
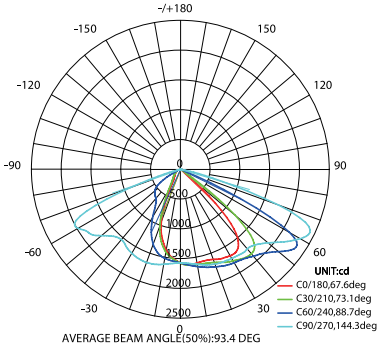WM-BRACKET-01-BK
Wall mount brackets, black

90198
MPT-HSS
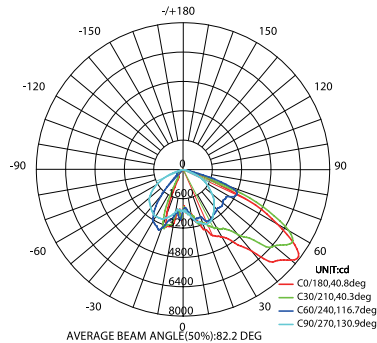House side shield for MPT/MLB

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PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.

With Clear Lens
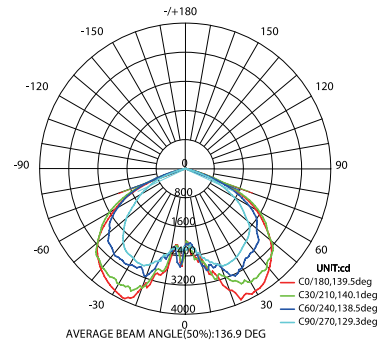
UNIT:cd
C0/180,67.6deg
C30/210,73.1deg
C60/240,88.7deg
C90/270,144.3deg
AVERAGE BEAM ANGLE(50%):93.4 DEG
Type II

UNIT:cd
C0/180,40.8deg
C30/210,40.3deg
C60/240,116.7deg
C90/270,130.9deg
AVERAGE BEAM ANGLE(50%):82.2 DEG
Type III

UNIT:cd
C0/180,139.5deg
C30/210,140.1deg
C60/240,138.5deg
C90/270,129.3deg
AVERAGE BEAM ANGLE(50%):136.9 DEG
Type V

PERFORMANCE DATA

LUMEN OUTPUT

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

With Clear Glass Lens

Nominal Watts	System Watts	Lumen Output (Post Top)	CRI	CCT	Dist. Type	LPW
35W	35W	4039lm	80	5000K	Type V	115
50W	47.8W	5319lm	80	3000K	Type III	111
75W	72.1W	8057.4lm	70	5000K	Type III	111.8
100W	99.4W	11595lm	70	5000K	Type V	116.7
135W	133W	16500lm	70	5000K	Type V	124

Lumen Multiplier

3000K	0.93
4000K	1
5000K	1
Clear Glass Lens	1
Frosted Glass Lens	0.89

Notes: 0.89 multiplier is for frosted glass lens.

Projected LED Lumen Maintenance

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

	100W (351B)					75W (5630)			
Operating Hours	10,000	16,000	29,000	109,000		**Operating Hours**	11,000	16,000	27,000	97,000
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)		**Lumen Maintenance Factor**	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

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

Model	BUG Rating	Model	BUG Rating	Model	BUG Rating
MPT35301-II	B1-U2-G0	MPT50301-V	B2-U2-G1	MPT100301-II	B3-U3-G1
MPT35401-II	B1-U2-G0	MPT50401-V	B2-U2-G1	MPT100401-II	B3-U3-G1
MPT35501-II	B1-U2-G1	MPT50501-V	B2-U2-G1	MPT100501-II	B3-U3-G1
MPT35301-III	B2-U1-G1	MPT75301-II	B2-U3-G1	MPT100301-III	B3-U2-G2
MPT35401-III	B1-U2-G0	MPT75401-II	B2-U3-G1	MPT100401-III	B3-U3-G2
MPT35501-III	B2-U1-G1	MPT75501-II	B2-U3-G1	MPT100501-III	B3-U2-G3
MPT35301-V	B2-U1-G1	MPT75301-III	B2-U2-G2	MPT100301-V	B3-U2-G2
MPT35401-V	B2-U2-G1	MPT75401-III	B2-U3-G1	MPT100401-V	B3-U3-G3
MPT35501-V	B2-U1-G1	MPT75501-III	B2-U2-G2	MPT100501-V	B3-U2-G3
MPT50301-II	B2-U2-G1	MPT75301-V	B3-U2-G2	MPT135501-P1-II	B3-U3-G1
MPT50401-II	B2-U2-G1	MPT75401-V	B3-U3-G1	MPT135501-P1- III	B3-U3-G2
MPT50501-II	B2-U2-G1	MPT75501-V	B3-U3-G1	MPT135501-P1- V	B3-U3-G3
MPT50301-III	B2-U2-G1				
MPT50401-III	B2-U2-G1				
MPT50501-III	B2-U2-G1				

Multi-level Motion Sensor   120-277V Photocontrol   480V Photocontrol
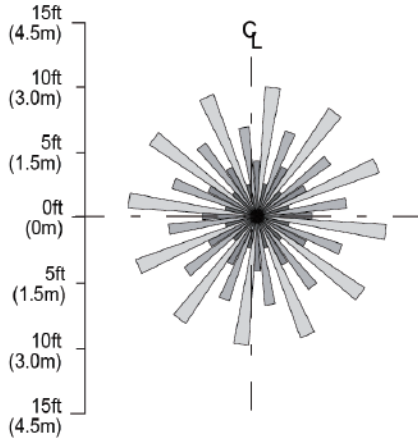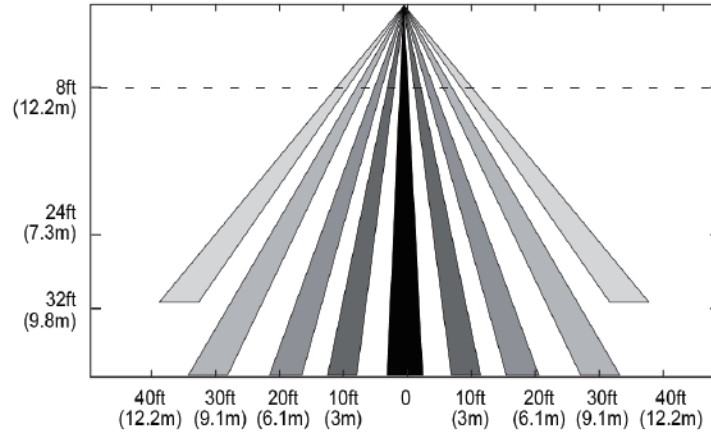
BLUETOOTH PIR MOTION SENSOR

blueMesh Industrial

Bluetooth Mesh Control
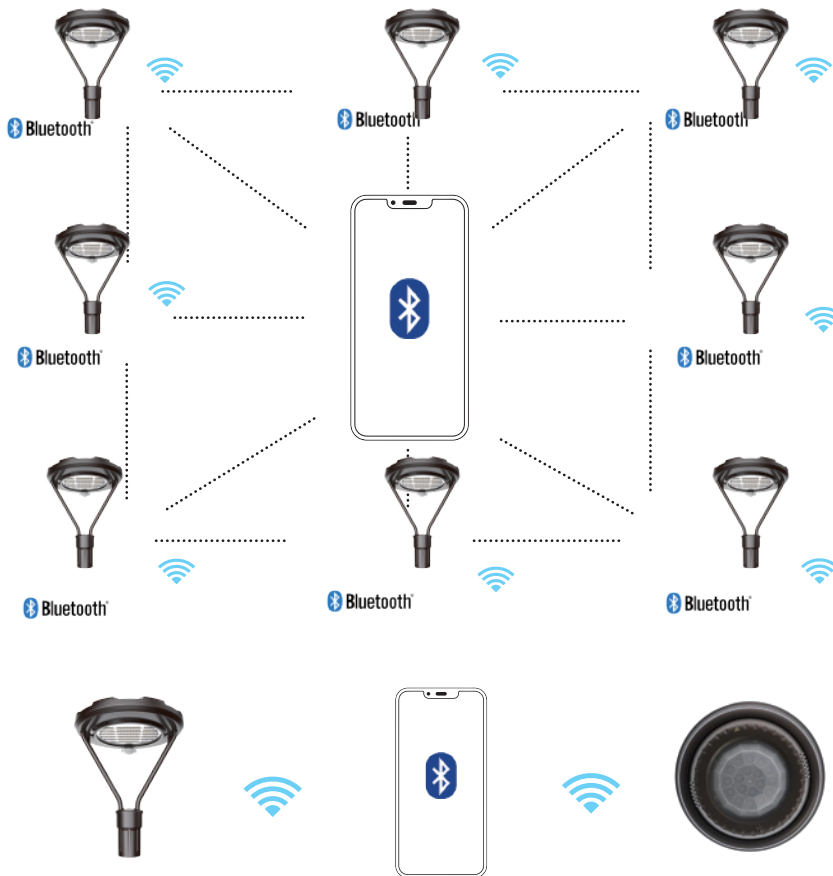
Model No.	Description	Input Voltage	Output
BMS-M100-PIR-DC1-BLE-SR-Z10-BZ	Fixture Controller with 0-10V Dimming, PIR Motion Sensor, Bluetooth Mesh in BlueMesh®, standard Dark Brown Color	12-24VDC	Control High 0-10V Dimming
BMS-M110-PIR-DC1-BLE-SR-Z10-BZ	Fixture Controller with 0-10V Dimming, PIR Motion Sensor, Light Sensing, Bluetooth Mesh in BlueMesh® standard Dark Brown Color	12-24VDC	Control High 0-10V Dimming
BMS-M100-PIR-DC1-BLE-SR-Z10-WH	Fixture Controller with 0-10V Dimming, PIR Motion Sensor, Bluetooth Mesh in BlueMesh®, White Color, Silvair technology partner	12-24VDC	Control High 0-10V Dimming
BMS-M110-PIR-DC1-BLE-SR-Z10-WH	Fixture Controller with 0-10V Dimming, PIR Motion Sensor, Light Sensing, Bluetooth Mesh in BlueMesh®, White Color	12-24VDC	Control High 0-10V Dimming
BMS-M100-PIR-DC1-BLE-SR-Z10-BK	Fixture Controller with 0-10V Dimming, PIR Motion Sensor, Bluetooth Mesh in BlueMesh®, Black Color	12-24VDC	Control High 0-10V Dimming
BMS-M110-PIR-DC1-BLE-SR-Z10-BK	Fixture Controller with 0-10V Dimming, Light Sensing, Bluetooth Mesh in BlueMesh®, Black Color	12-24VDC	Control High 0-10V Dimming
LS01-LB-F3-XX	360° Low Bay Lens, maximum coverage 60ft diameter at 30ft and 40ft height –replace –XX with –BN for Brown finish, -BK for Black finish or –WT for Brown finish		
LS01-HB-F3-XX	360° High Bay Lens, maximum coverage 80ft diameter at 30ft-40ft height –replace –XX with –BN for Brown finish, -BK for Black finish or –WT for Brown finish		

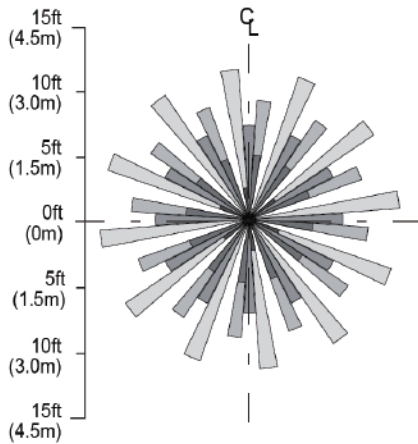1135 Thomas Busch Highway,
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Detection Area
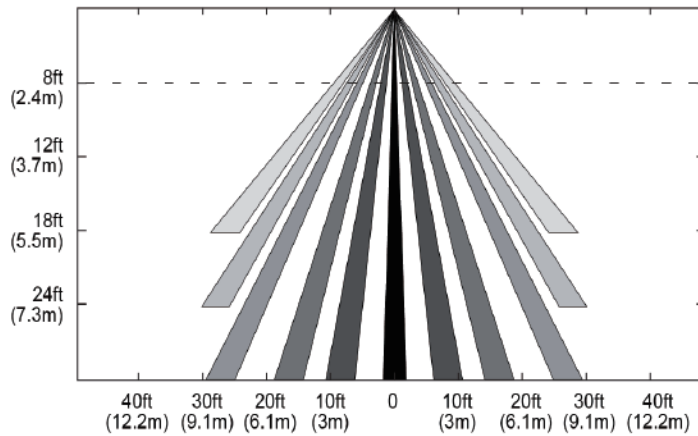
High Bay Lens - Top View at 8 ft(2.4m)

Side View

Low Bay Lens - Top View at 8 ft(2.4m)

Side View

Warranty

Five year limited warranty. Full warranty terms located at www.aboveallLighting.com/warrantystatements.

Note:

Specifications subject to change without notice.