



The IL-MPL04 is designed to enhance nighttime pedestrian lighting while serving as an eye-catching design element in the landscape during the day. Unlike traditional Post Top fixtures, the MPL04 prioritizes budget efficiency without compromising on functionality. It features adjustable color temperatures of 3000K, 4000K, and 5000K, as well as four levels of adjustable lumens. Optional integrated photocell control and a PIR sensor enhance its versatility. Additionally, the MPL04 utilizes advanced electronic control technology, allowing users to easily adjust the light distributions (Type III, Type IV, Type V) with a simple dial.

Specifications

Construction

- The rugged die-cast aluminum housing securely protects the thermally conductive LED Boards and electrical components.
- Housing is completely sealed against environment contaminants and ensures waterproof.
- A sleek, ultra-slim housing with a smooth finish, enhancing your outdoor space with its aesthetic appeal and illuminating brilliance.
- Features a sleek, streamlined design that enhances both aesthetics and functionality by preventing objects and bird nests from affecting heat dissipation.
- Incorporates cutting-edge Thermal and electric separation to enhance heat dissipation and boost product performance.
- EPA: 0.34 Sq. Ft.
- Install on poles which top diameter is: 2-3/8" to 3".

Optics

- Light engines are available in color selectable version, the CCT can be changed to three CCTs (3000K, 4000K, 5000K) and CRI ≥ 80 .
- Designed with a sleek, expansive, and evenly distributed luminous surface to minimize glare, providing a more comfortable and aesthetic illumination experience.
- Seamlessly switch between Type III, Type V, and Type IV light distributions with field-adjustable settings.
- The optics can conform to dark sky requirement.

Electrical

- Universal 120-347VAC or 277-480 VAC input voltage.
- Wattage selectable:
200W/160W/120W/80W; 160W/128W/96W/64W;
130W/104W/78W/52W; 90W/72W/54W/36W .
- 0-10V dimmable driver, down to 10%.
- PF >0.9, THD <20%.
- Built in standard surge suppression with 6KV.

POST TOP LIGHT IL-MPL04



Controls

- Dusk-to-dawn light control at your fingertips—easily switch on and off integrated Photocell for optimal management.
- PIR Sensor or Bluetooth Smart Control Sensor available for further energy saving.

Ambient Temperature

- Operating Temperature Range: -40°C to 40°C (-40°F - + 104°F).

Lifespan

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

Certifications

- UL cUL wet location listed.

Finish

- It's available in black or optional dark bronze, silvery gray or white.



Black



Dark Bronze



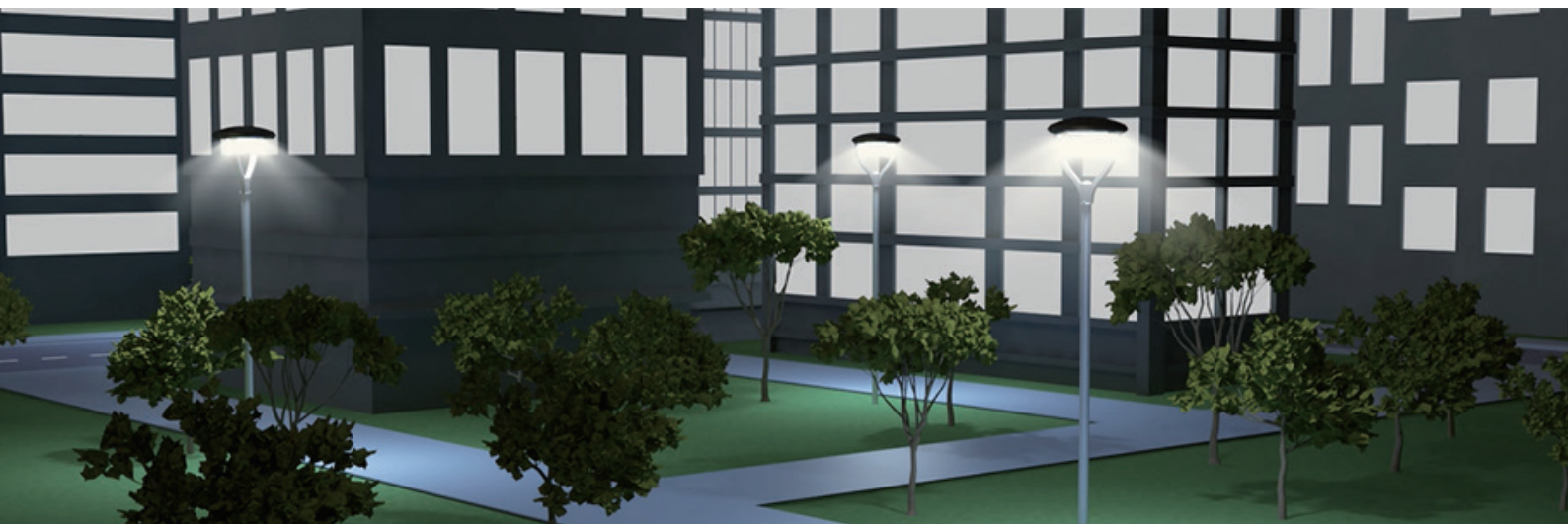
Silver Gray



White

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 (±5) specifications subject to change without notice.



CCT, Wattage and Optics Field-selectable

This MPL04 offers on-site adjustments for Lumen output, Color Temperature, and light distribution. It supports four levels of lumen output, three CCTs settings, and three light distribution options for maximum versatility.



PHOTOCELL

Accurately differentiates between luminaire light and natural sunlight using micro far-infrared sensors, creating more adaptable and efficient lighting conditions.



MOUNTING(Optional)

Pole Mount	Conduit Pendant	Gooseneck Mount
		

Wall Mount	Square Pole Mount	Surface Mount
		

PERFORMANCE DATA

MPL04 90W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type III and Type V	LV1	90W	13000lm	144lm/W	14800lm	164lm/W	13800lm	153lm/W
	LV2	72W	10700lm	149lm/W	12000lm	167lm/W	11300lm	157lm/W
	LV3	54W	8300lm	154lm/W	9500lm	176lm/W	8800lm	163lm/W
	LV4	36W	5700lm	158lm/W	6800lm	189lm/W	6300lm	175lm/W

MPL04 130W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type III and Type V	LV1	130W	18000lm	138lm/W	19500lm	150lm/W	18500lm	142lm/W
	LV2	104W	15200lm	146lm/W	16000lm	154lm/W	15500lm	149lm/W
	LV3	78W	12000lm	154lm/W	13000lm	167lm/W	12500lm	160lm/W
	LV4	52W	8500lm	163lm/W	9000lm	173lm/W	8750lm	168lm/W

MPL04 160W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type III and Type V	LV1	160W	21500lm	134lm/W	23500lm	147lm/W	22800lm	143lm/W
	LV2	128W	17500lm	137lm/W	20000lm	156lm/W	18800lm	147lm/W
	LV3	96W	13500lm	141lm/W	15500lm	161lm/W	14500lm	151lm/W
	LV4	64W	9500lm	148lm/W	11200lm	175lm/W	10500lm	164lm/W

MPL04 200W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type III and Type V	LV1	200W	24600lm	123lm/W	28500lm	143lm/W	27600lm	138lm/W
	LV2	160W	21000lm	131lm/W	24300lm	152lm/W	23600lm	148lm/W
	LV3	120W	17000lm	142lm/W	19700lm	164lm/W	19000lm	158lm/W
	LV4	80W	12200lm	153lm/W	14100lm	176lm/W	13700lm	171lm/W

MPL04 90W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type IV	LV1	90W	13500lm	150lm/W	15000lm	167lm/W	14200lm	158lm/W
	LV2	72W	11000lm	153lm/W	12500lm	174lm/W	11700lm	163lm/W
	LV3	54W	8600lm	159lm/W	10000lm	185lm/W	9300lm	172lm/W
	LV4	36W	6200lm	172lm/W	7100lm	197lm/W	6600lm	183lm/W

MPL04 130W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type IV	LV1	130W	18500lm	142lm/W	20000lm	154lm/W	19500lm	150lm/W
	LV2	104W	15500lm	149lm/W	16500lm	159lm/W	16000lm	154lm/W
	LV3	78W	12500lm	160lm/W	13500lm	173lm/W	13000lm	167lm/W
	LV4	52W	8700lm	167lm/W	9500lm	183lm/W	9100lm	175lm/W

MPL04 160W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type IV	LV1	160W	23500lm	147lm/W	25500lm	159lm/W	24500lm	153lm/W
	LV2	128W	19500lm	152lm/W	21000lm	164lm/W	20200lm	158lm/W
	LV3	96W	15000lm	156lm/W	16000lm	167lm/W	15500lm	161lm/W
	LV4	64W	10500lm	164lm/W	11500lm	180lm/W	11000lm	172lm/W

MPL04 200W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Type IV	LV1	200W	26000lm	130lm/W	30000lm	150lm/W	27600lm	138lm/W
	LV2	160W	22200lm	139lm/W	25700lm	161lm/W	23600lm	148lm/W
	LV3	120W	17900lm	149lm/W	20800lm	173lm/W	19000lm	158lm/W
	LV4	80W	12800lm	160lm/W	14800lm	185lm/W	13600lm	170lm/W

MPL04 90W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
General	LV1	90W	10500lm	117lm/W	11500lm	128lm/W	11000lm	122lm/W
	LV2	72W	9000lm	125lm/W	9500lm	132lm/W	9300lm	129lm/W
	LV3	54W	7000lm	130lm/W	8200lm	152lm/W	7600lm	141lm/W
	LV4	36W	5000lm	139lm/W	5800lm	161lm/W	5500lm	153lm/W

MPL04 130W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
General	LV1	130W	15500lm	119lm/W	16500lm	127lm/W	16000lm	123lm/W
	LV2	104W	12800lm	123lm/W	13500lm	130lm/W	13200lm	127lm/W
	LV3	78W	10500lm	135lm/W	11000lm	141lm/W	10800lm	138lm/W
	LV4	52W	7200lm	138lm/W	7600lm	146lm/W	7400lm	142lm/W

MPL04 160W								
Distribution	SETTING	SYSTEM WATTS	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
General	LV1	160W	18500lm	116lm/W	19200lm	120lm/W	18800lm	118lm/W
	LV2	128W	15500lm	121lm/W	16500lm	129lm/W	16000lm	125lm/W
	LV3	96W	12000lm	125lm/W	13000lm	135lm/W	12500lm	130lm/W
	LV4	64W	8300lm	130lm/W	9500lm	148lm/W	8900lm	139lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	600	90	120	0.75
		90	208	0.43
		90	240	0.38
		90	277	0.32
		90	347	0.26
		90	480	0.19
1	600	130	120	1.08
		130	208	0.63
		130	240	0.54
		130	277	0.47
		130	347	0.37
		130	480	0.27
1	800	160	120	1.33
		160	208	0.77
		160	240	0.67
		160	277	0.58
		160	347	0.46
		160	480	0.33
1	1000	200	120	1.67
		200	208	0.96
		200	240	0.83
		200	277	0.72
		200	347	0.58
		200	480	0.42

ACCESSORIES(Optional)

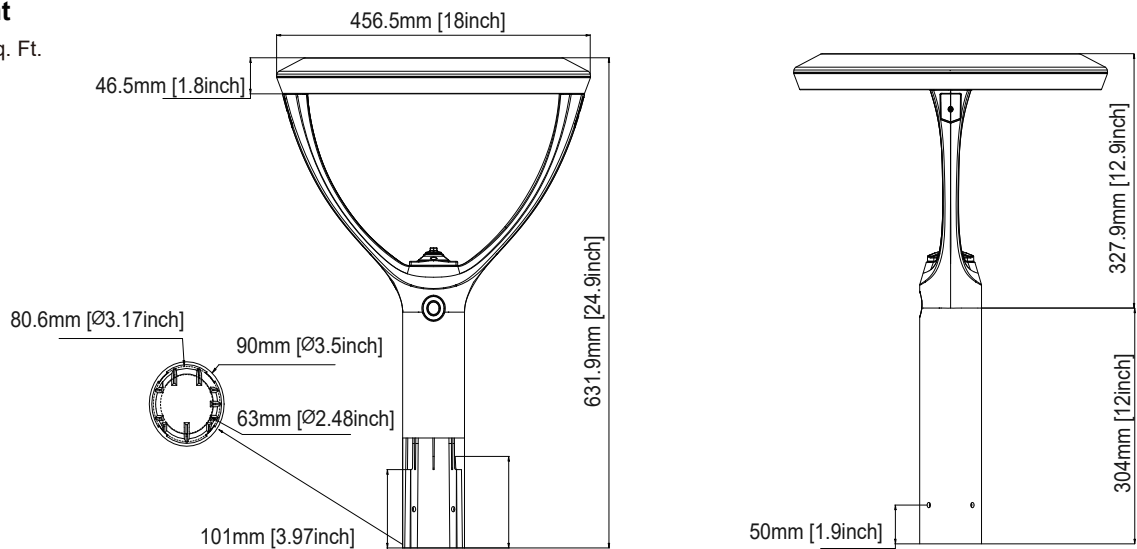
		
Plug-and-Play PIR Sensor PIR sensor: MHANT12VPH02	Plug-and-Play Microwave Sensor Microwave Sensor: MHANT12VMH02	External Glare Shield

DIMENSION

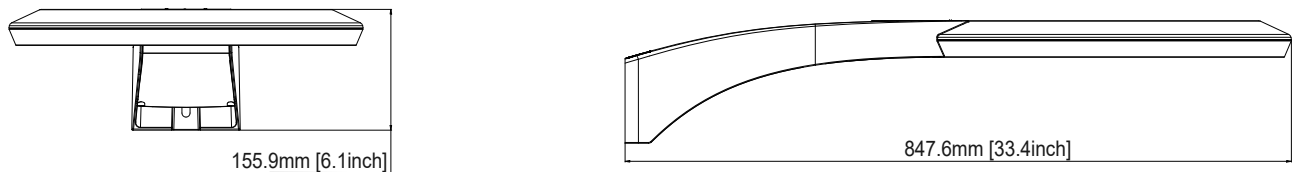
unit:mm/inch

Pole Mount

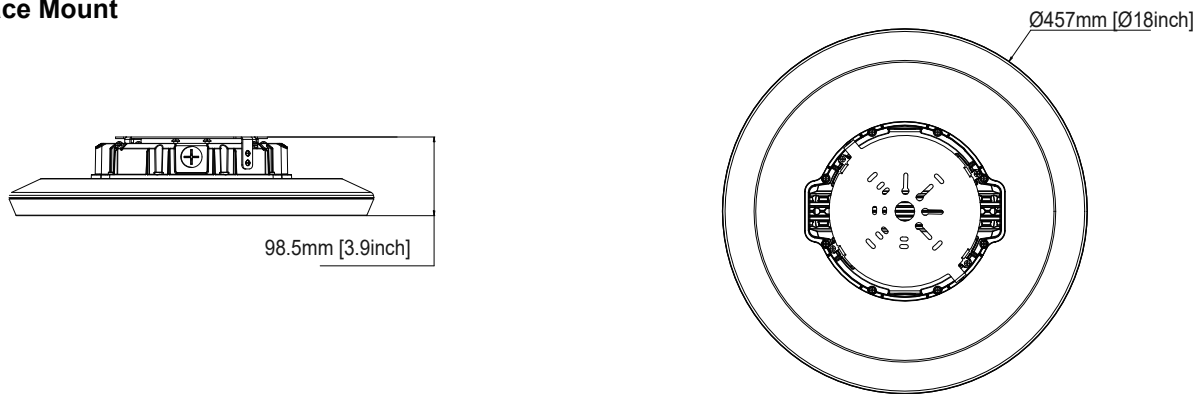
EPA: 0.34 Sq. Ft.



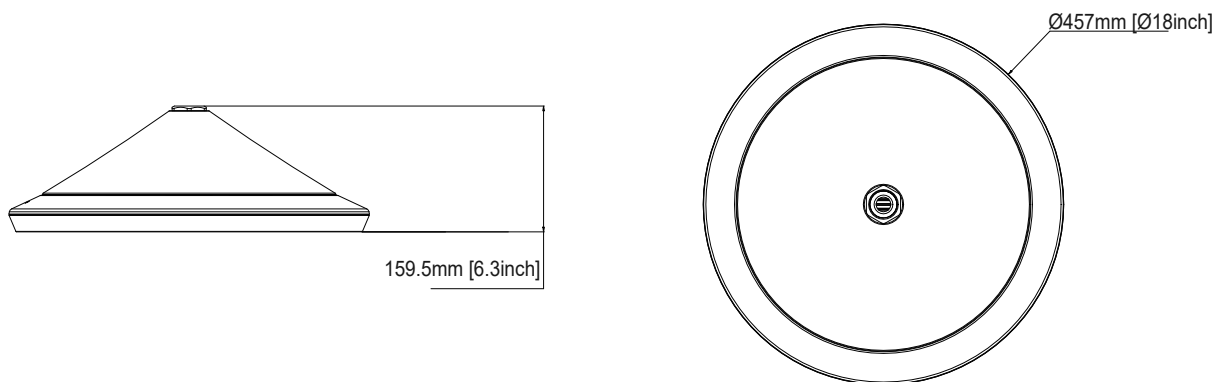
Wall Mount/Square & round Pole Mountv



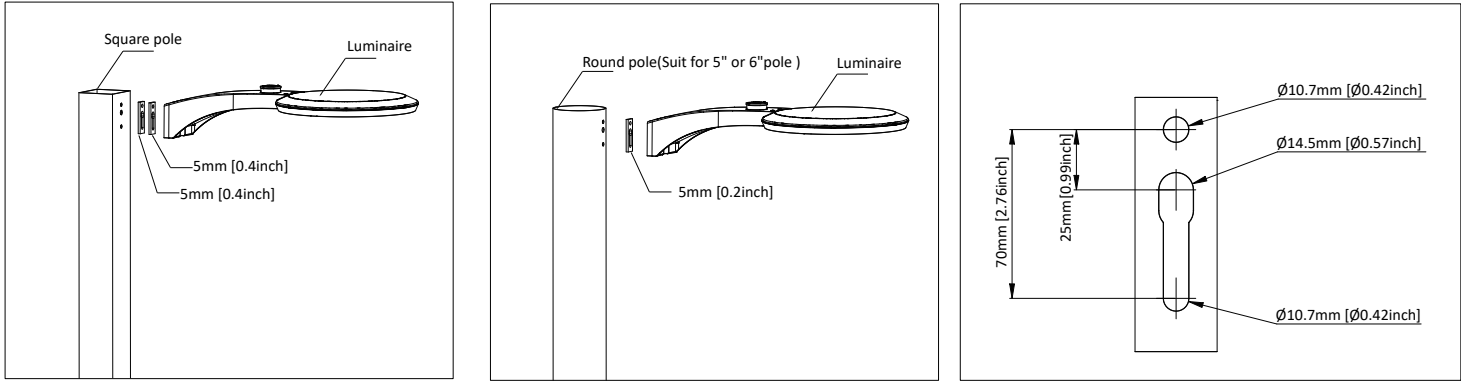
Surface Mount



Conduit Pendant/Gooseneck Mount



MOUNTING DIMENSIONS



ORDERING GUIDE

Example: IL-MPL04 90W 34V DDK Y Y Y Y Y Y Y											
Fixture Type	Power Consumption	Input Voltage	CCT	Finish	Photocell	Sensor	CCT and Power Adjustable	Mounting	Photometry	Internal Code	
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
IL-MPL04 Post Top Light	90W 90Watts	34V 120-347V	DDK Selectable color temperature	D Dark Bronze	P With Photocell Blank² Without Photocell	M With Motion Sensor Blank Without Sensor	AD With Adjustment Dial	Blank Pole Mount	FD Frosted Diffuser PD Prismatic Diffuser AT T3/T4/T5 Adjustable	Blank Alphanumeric	
	130W 130Watts	48V 277-480V		B Black				WM Wall Mount			
	160W 160Watts			W White				GM Gooseneck Mount			
	200W¹ 200Watts			SG Silvery Grey				SQ Square & round Pole Mount			
								CM Conduit Pendant			
								SM Surface Mount			

Note: 1. 200W only suit for Conduit pendant、Gooseneck mount、Wall mount、Square/round Pole Mount and Surface mount.
2. Photocell is not suitable for Conduit pendant, Gooseneck mount, and Surface mount.

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	4" Square Pole Mount with 2-3/8" O.D. Tenon No. 4SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4SQR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.
	5" Square Pole Mount with 2-3/8" O.D. Tenon No. 5SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5SQR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.



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