

L70
25°C **50,000 Hours**



NOTES:

FIXTURE TYPE:

PROJECT:



PRODUCT DESCRIPTION

The 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.

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: 0.721 Sq. Ft.
- Install on poles which top diameter is: 2-3/8" to 3".

AMBIENT TEMPERATURE

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

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.

ORDERING INFORMATION

EXAMPLE: MPL04-130W-27V-DDK-D-P



Model	Wattage	Voltage	CCT	Finish	Photocell	Sensor (Option)	Mounting (Option)
MPL04 Post Top Light	130W = 130Watts	27V = 120-277V 48V = 277-480V	DDK = Adjustable color temperature	D = Dark Bronze B = Black W = White	P = 120-277V Photocell	M = With Motion Sensor Blank = Without Sensor	Blank = Pole Mount SQ = Square Pole Mount WM = Wall Mount A = ARM Mount CM = Conduit Pendant

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 T3, T4, and T5 light distributions with field-adjustable settings.
- The optics can conform to dark sky requirement.

ELECTRICAL

- Universal 120-277 VAC or 277-480 VAC input voltage.
- Wattage adjustable: 130W/104W/78W/52W;
- 0-10V dimmable driver, down to 10%.
- PF >90%, THD <20%.
- Built in standard surge suppression with 6KV, optional 10KV (120-277V), and 20KV (277- 480V).

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.

LIFESPAN

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

WARRANTY

- Five-year limited warranty.

CERTIFICATIONS

- UL cUL wet location listed.

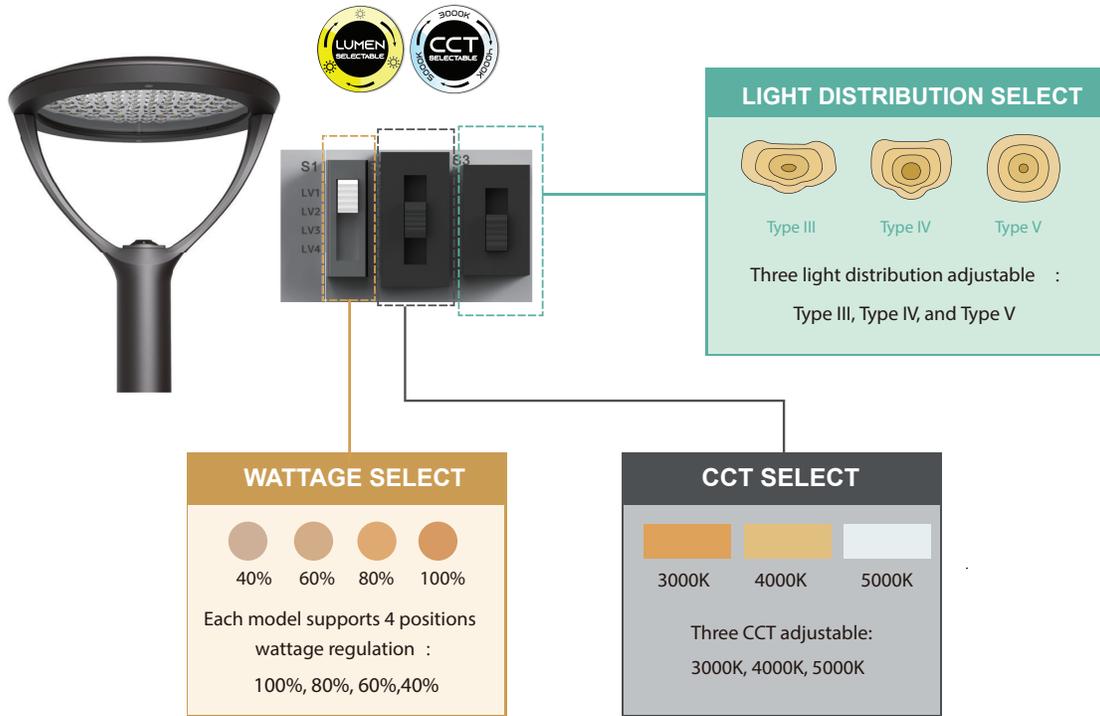
FINISH

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



CCT, WATTAGE AND OPTICS FIELD-ADJUSTABLE

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.

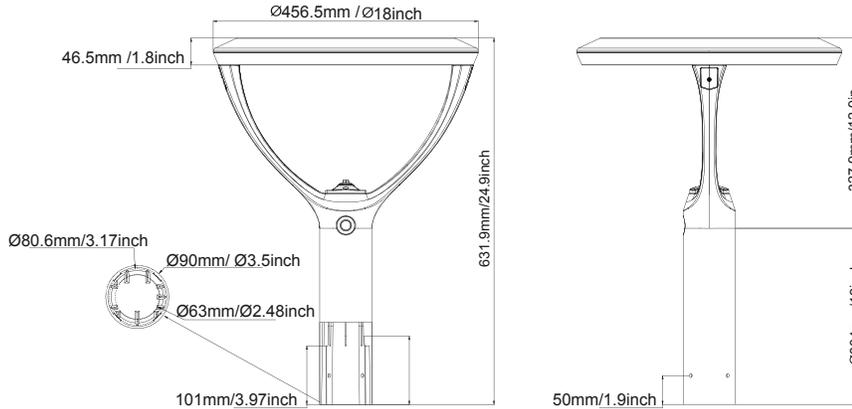


MOUNTING (OPTIONAL)

Pole Mount	Conduit Pendant	Arm Mount	Wall Mount	Square Pole Mount

DIMENSIONS

unit:mm/inch
EPA: 0.721 Sq. Ft.



ACCESSORIES (OPTIONAL)

	
Plug-and-Play PIR Sensor PIR sensor: HD07VR-1-HW	Plug-and-Play Microwave Sensor Microwave Sensor:HD07VR-1-WB

PERFORMANCE DATA

MPL04 130W @80CRI								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
LV1	130W	T3/T5	16380	126	17550	135	17160	132
LV2	104W	T3/T5	13520	130	14456	139	14144	136
LV3	78W	T3/T5	10764	138	11466	147	11232	144
LV4	52W	T3/T5	7644	147	8112	156	7956	153

MPL04 130W @80CRI								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
LV1	130W	T4	17290	133	18330	141	18070	139
LV2	104W	T4	14144	136	15184	146	14768	142
LV3	78W	T4	11154	143	11856	152	11622	149
LV4	52W	T4	7852	151	8372	161	8164	157

MPL04 130W @80CRI								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
LV1	130W	General	15730	121	16510	127	16120	124
LV2	104W	General	13000	125	13624	131	13208	127
LV3	78W	General	10374	133	10842	139	10530	135
LV4	52W	General	7332	141	7696	148	7488	144

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole

	<p>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.</p>		<p>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.</p>
	<p>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.</p>		<p>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.</p>