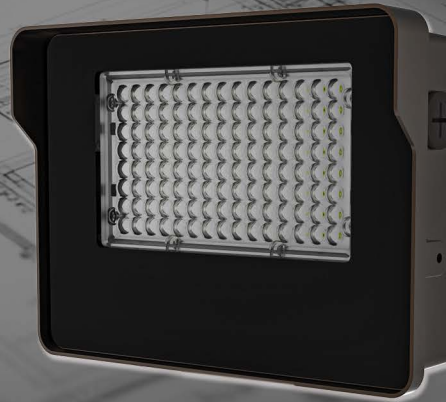




**Certified LED Lights®**

Product Data Sheet

MPAL area light



## Product Overview

This MPAL 35W and 80W CCT are premium LED lights designed to illuminate parking areas, pathways, building facades, loading docks and a wide variety of other large general site lighting applications. This light is kelvin selectable in 3K, 4K and 5K. This light series uses dip-switches to switch between three wattage and three CCT ranges. In addition, it features a turn dial on the back of the fixture which allows the user to select between 50° / 75° / 90° beam angle. It features different mounting options like knuckle and yoke making it more versatile.

This MPAL is an efficient high performing solution with a low-profile design. It is rugged on the outside with cast aluminum housing that minimizes wind load and featuring an integrated, waterproof driver compartment. It has been finished in a bronze powered -coating.

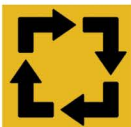
This area light comes with a 5 year warranty and 50,000 hours from the date of delivery to the end-user, covering light output, color stability, and driver performance.

- \* CCT: 3 color temperature selectable in the field
- \* Wattage: 3 adjustable power selectable in the field
- \* Beam angle: 3 angle adjustable
- \* DLC 5.1 premium listed
- \* UL listed
- \* IP 65 Wet Location rated
- \* FCC Part 15, class A
- \* 118 to 142 lumens per watt
- \* Integrated Photocell
- \* Long-life LEDs provide 50,000 hours of operation
- \* Universal 100-277 AC voltage (50-60Hz) is standard
- \* 0-10 V dimming capability is standard

## Applications



Roadways



Perimeter



Parking lots



General area

## Product Warranty



## Highlights and Certifications



DLC 5.1 Premium  
Listed



IP 65 rated



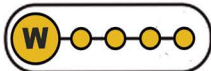
UL Listed



Dimming: 0-10V



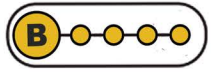
FCC Part 15,  
class B



Field selectable wattage 3-way dip switch:



Field selectable CCT 3-way dip switch:  
3K, 4K 5K



Field selectable beam angle: 55°/75°/90°

## Key Specifications

- \* CCT: color temperature selectable 30K, 4K, 5K
- \* Adjustable power: 15, 25, 35W on the 4LS model
- \* Adjustable power: 40, 60, 80W on the 10LS model
- \* Adjustable beam angle: 55°/75°/90°
- \* LED chips 2835
- \* Integrated Photocell is standard
- \* IP 65 wet location rated
- \* Operating temperatures from -40°F to 120°F
- \* Power factor > 0.90
- \* CRI > 80

## Performance

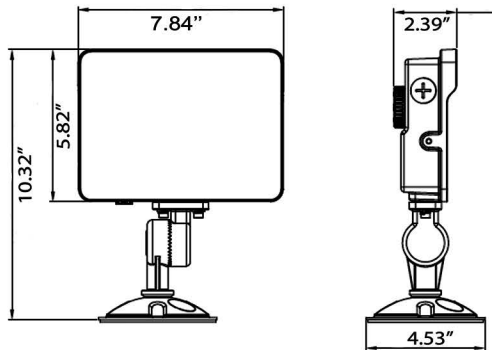
| MPAL-4LS-27-TCP |       |       |       |              |       |       |       |              |       |       |       |
|-----------------|-------|-------|-------|--------------|-------|-------|-------|--------------|-------|-------|-------|
| 15W             |       |       |       | 25W          |       |       |       | 35W          |       |       |       |
| Color           | 3000  | 4000  | 5000  | Color        | 3000  | 4000  | 5000  | Color        | 3000  | 4000  | 5000  |
| Lumens          | 1,770 | 1,980 | 2,055 | Lumens       | 2,950 | 3,300 | 3,425 | Lumens       | 4,130 | 4,620 | 4,795 |
| Lumens/ Watt    | 118   | 132   | 137   | Lumens/ Watt | 118   | 132   | 137   | Lumens/ Watt | 118   | 132   | 137   |

| MPAL-10LS-27-TCP |       |       |       |              |       |       |       |              |        |        |        |
|------------------|-------|-------|-------|--------------|-------|-------|-------|--------------|--------|--------|--------|
| 40W              |       |       |       | 60W          |       |       |       | 80W          |        |        |        |
| Color            | 3000  | 4000  | 5000  | Color        | 3000  | 4000  | 5000  | Color        | 3000   | 4000   | 5000   |
| Lumens           | 5,120 | 5,680 | 5,480 | Lumens       | 7,680 | 8,520 | 8,220 | Lumens       | 10,240 | 11,360 | 10,960 |
| Lumens/ Watt     | 128   | 142   | 137   | Lumens/ Watt | 128   | 142   | 137   | Lumens/ Watt | 128    | 142    | 137    |

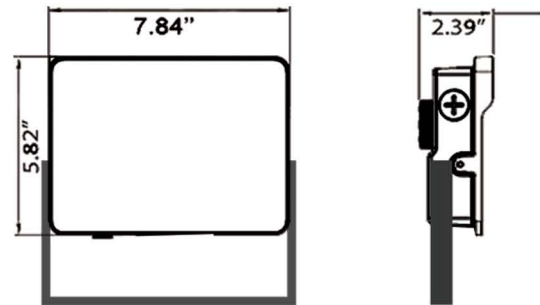
Performance data is based on a test at 120V

## Dimensions

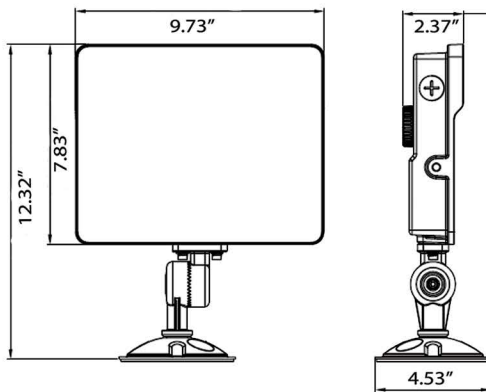
MPAL-4LS-TCP-KN-PC (Knuckle Mount)



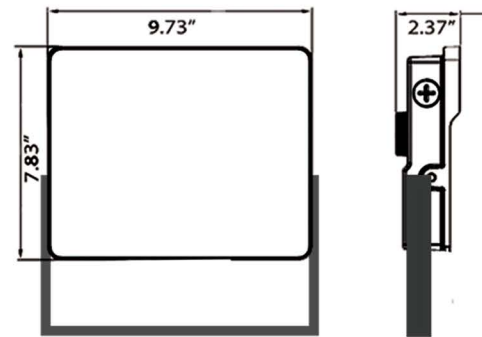
MPAL-4LS-TCP-YK-PC (Yoke Mount)



MPAL-10LS-TCP-KN-PC (Knuckle Mount)



MPAL-10LS-TCP-YK-PC (Yoke Mount)



**Ordering Guide**

| PART #                 | Mount   | CCT Color Temp | Lumens         | Lumen/watt | Wattage     | Voltage  | Beam         |
|------------------------|---------|----------------|----------------|------------|-------------|----------|--------------|
| MPAL-4LS-27-TCP-KN-PC  | Knuckle | 3K, 4K, 5K     | 1,770 – 4,795  | 118 – 137  | 15, 25, 35W | 100-277V | 55 / 75 / 90 |
| MPAL-10LS-27-TCP-KN-PC | Knuckle | 3K, 4K, 5K     | 5,120 – 11,360 | 128 -142   | 40, 60, 80W | 100-277V | 55 / 75 / 90 |
| MPAL-4LS-27-TCP-YK-PC  | Yoke    | 3K, 4K, 5K     | 1,770 – 4,795  | 118 – 137  | 15, 25, 35W | 100-277V | 55 / 75 / 90 |
| MPAL-10LS-27-TCP-YK-PC | Yoke    | 3K, 4K, 5K     | 5,120 – 11,360 | 128 -142   | 40, 60, 80W | 100-277V | 55 / 75 / 90 |

**Notes:**

- MPAL means manufacturer part#
- 4LS means 15, 25, 35W ; 10LS means 40, 60, 80W
- 27 means panels are 120-277V
- TCP means the product is tunnable color and power
- KN means with a knuckle mount. YK means with yoke mount
- PC means the light comes standard with a photocell

**Accessories Ordering Guide**

| CATEGORY            | PART #        | DESCRIPTION                                                                                                                        | NOTE             | PICTURE                                                                               |
|---------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| Canopy Plate        | FL17-PLATES   | Canopy mount plate for 1/2" NPT knuckle to flat surface or recessed box. Enclosure is sealed with water tight rubber sealed gasket | Order separately |  |
| Spike Mount         | LNDL-BS       | Spike mount                                                                                                                        | Order separately |  |
| Slip-fitter adapter | TADP2.5-1/2-D | Slip-fitter adapter to 1/2" NPT knuckle mount                                                                                      | Order separately |  |

## Mounting Options

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### Yoke Mount



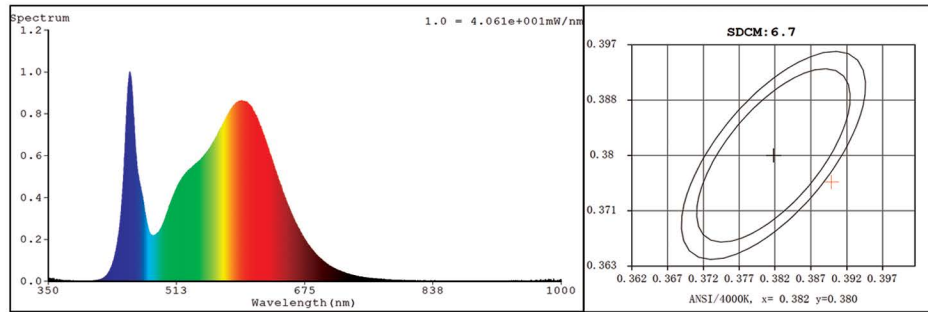
### Knuckle Mount



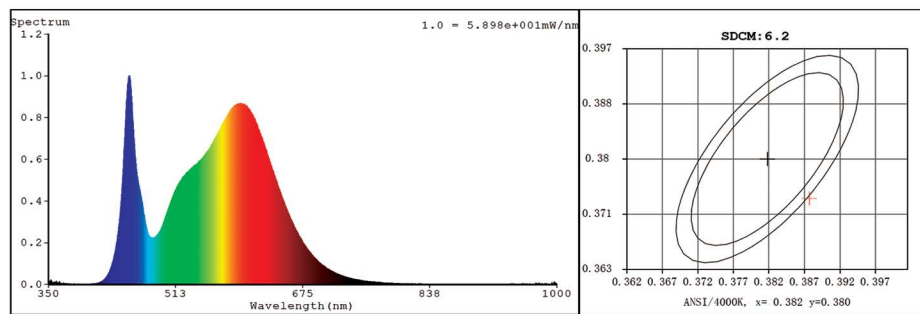


Photometric Data

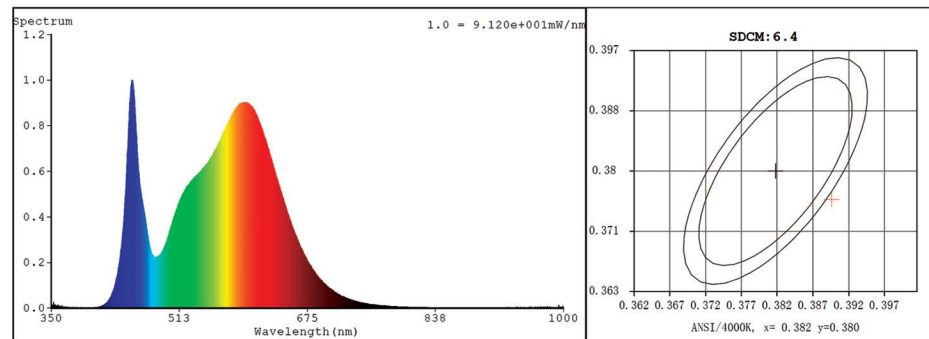
4LS 15W @ 4K



4LS 25W @ 4K



4LS 35W @ 4K



10LS 80W @ 4K

