[MP LIGHTING]

# L114T

**INTERIOR**

Linear | For shelves, cabinets & display cases

- Dry location

## Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

## Specifications

**Luminaire** | Example Code: L114T-2-MB-4-4-W30H-W-P-6-MA

| Product | Version | Mounting [1] | Section Length 1 [2] | Section Length 2 [2] | CCT & CRI | Beam Angle | Lens | Stem [4] | Finish |
|---|---|---|---|---|---|---|---|---|---|
| **L114T** | | | | | | | | | **MA** |
| | **2** 2W/ft<br>**6** 6W/ft | **MB** mounting bracket<br>**C22** canopy mount | **1'** 1ft * Minimum<br>**X** custom<br>**4'** 4ft * Maximum [3] | **1'** 1ft * Minimum<br>**X** custom<br>**4'** 4ft * Maximum [3] | **N (30°) & F (60°) beam:**<br>**W27H** 2700K 90+<br>**W30H** 3000K 90+<br><br>**W (120°) beam:**<br>**W22S** 2200K 80+<br>**W27H** 2700K 90+<br>**W30H** 3000K 90+<br>**W35H** 3500K 90+<br>**W41H** 4100K 90+ | **N** narrow 30°<br>**F** flood 60°<br>**W** wide 120° | **F** frosted<br>**P** prismatic | **6** 6" (152mm)<br>**12** 12"(305mm)<br>**X** custom | **MA** matte clear anodized |

### System Components (Ordered Separately)

Remote Driver : _____

Control System : _____

**On/Off | Dimming** ELV or 0-10 dimming
**Other options (consult factory)** TRIAC/MLV, DMX, DALI, Casambi, PoE

## Important Notes

### Specification

1. *J-Box required for installations using the C22 canopy option.*
2. ***Minimum:** 1' (305mm) **Maximum:** 4' (1219mm), 6" (152.4mm) increments.*
3. *4' comes with 3 ft. 1/4" (1200mm) LED board/section length*
4. ***Minimum:** 2.5" (63.5mm) **Maximum:** 4' (1219mm), 1" (25.4mm) increments.*

### Warranty Notes & Disclaimer

*Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult MP Lighting website for most updated documentation.*

# L114T

**INTERIOR**

Linear | For shelves, cabinets & display cases

- Dry location

## Performance

| Wattage | Forward Current | Power Consumption Budget per fixture (including driver) | LED output (Source) | Fixture Output (Delivered) |
|---|---|---|---|---|
| 2W/ft | 84mA | 2.5W/ft | 220 lm/ft | 95-119 lm/ft |
| 6W/ft | 250mA | 7W/ft | 660 lm/ft | 322-352 lm/ft |

## Application

| | |
|---|---|
| Environment | Dry Location approved. IP 52. |
| Mounting | **Surface-mounted/Recessed:** Mounts with stem and mounting brackets or C22 canopy. |

## Electrical

| | |
|---|---|
| Power Supplies | Remote LED drivers (120-277V AC input, **constant voltage output**): Fixtures to be wired in parallel. |
| Control | **On/off control**<br>**Dimming:** ELV or 0-10V dimming with appropriate drivers<br>**Other options (consult factory):** TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet |

## Luminaire Construction

| | |
|---|---|
| LED Light Source | **Colour Consistency:** 3-step MacAdam |
| Weight | N/A |
| Material | **Fixture:** extruded marine-grade aluminum with polycarbonate lens |
| Supplied with | **Standard installation housing:** Comes with stems & mounting brackets and covers. |
| Warranty & LED Life | 5 years limited warranty<br>Estimated useful life of LED is 50,000 hours. |

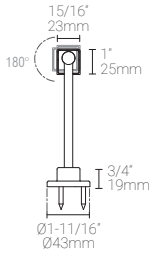
## Ordered Separately

| | |
|---|---|
| System Components | **Power supplies:** remote driver<br>Please consult factory or visit Recommended Drivers for available driver options. |

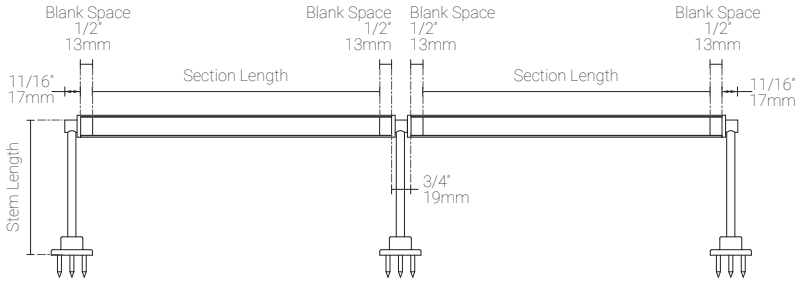
## Mounting Options & Dimensions

**LED Fixture Dimensions (surface mount shown with mounting brackets)**

Fixture



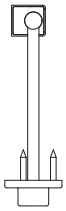

Side View



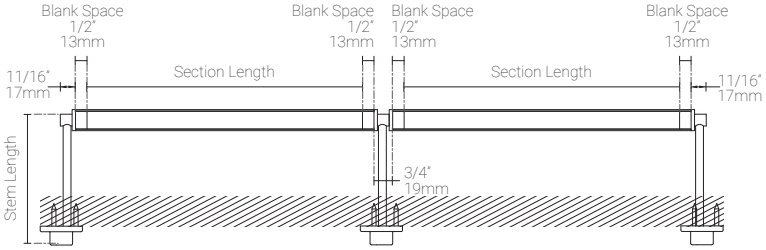

3D View

**Recessed mount (shown with mounting brackets)**

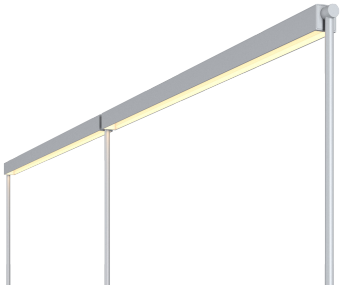
Fixture



Side View

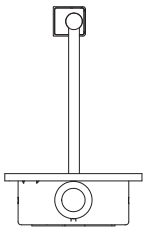



3D View

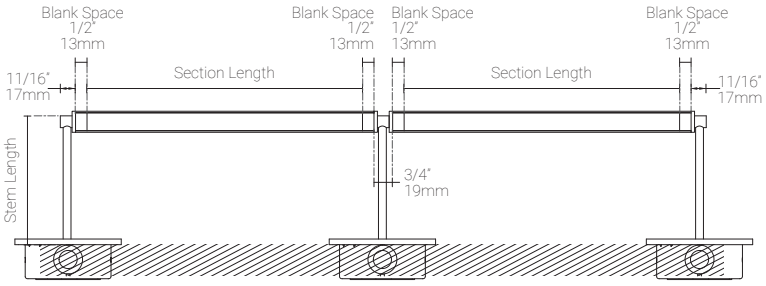


**Surface mount (shown with C22)**

Fixture



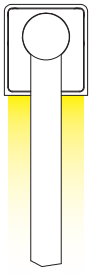
Side View



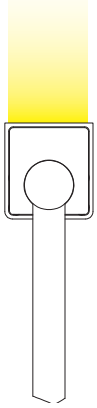

3D View

**Fixture head rotation**

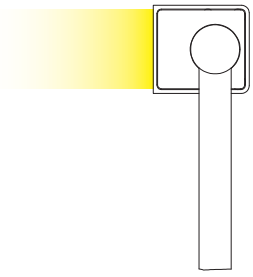
Shining down



Shining up

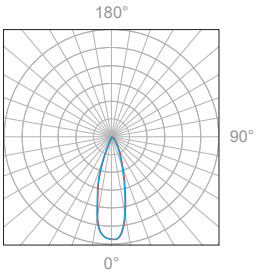


Shining 90°

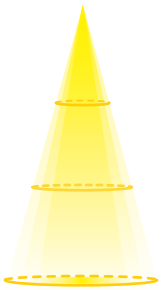


## 2W, 1' (305mm), 3000K, 90+ CRI, Frosted Lens

### Polar Candela Distribution




### Beam Width: 30°

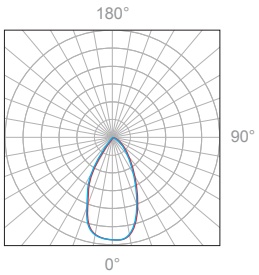


### Illuminance at a Distance

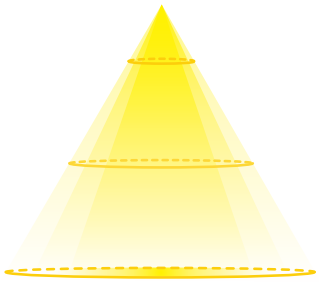
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 145fc | 0.3ft | 0.09m | 0.3ft | 0.09m |
| 1.0ft | 0.30m | 60fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 2.0ft | 0.61m | 17fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 3.0ft | 0.91m | 7.6fc | 1.6ft | 0.49m | 1.6ft | 0.49m |
| 4.0ft | 1.22m | 4.3fc | 2.1ft | 0.64m | 2.1ft | 0.64m |

**Delivered Lumen: 111.7lm**
Vertical Beam Spread: 30.4°
Horizontal Beam Spread: 30.3°

### Polar Candela Distribution




### Beam Width: 60°

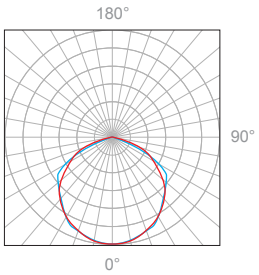


### Illuminance at a Distance

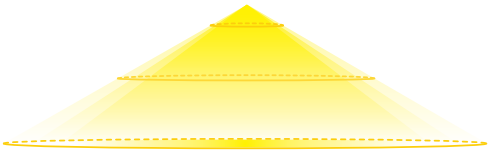
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 139fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 1.0ft | 0.30m | 57fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 2.0ft | 0.61m | 16fc | 2.1ft | 0.64m | 2.1ft | 0.64m |
| 3.0ft | 0.91m | 7.3fc | 3.2ft | 0.98m | 3.2ft | 0.98m |
| 4.0ft | 1.22m | 4.2fc | 4.3ft | 1.31m | 4.3ft | 1.31m |

**Delivered Lumen: 95.3lm**
Vertical Beam Spread: 55.9°
Horizontal Beam Spread: 56.1°

### Polar Candela Distribution




### Beam Width: 120°



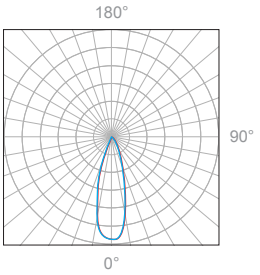
### Illuminance at a Distance

| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 134fc | 0.9ft | 0.27m | 1.6ft | 0.49m |
| 1.0ft | 0.30m | 52fc | 1.8ft | 0.55m | 3.2ft | 0.98m |
| 2.0ft | 0.61m | 14fc | 3.5ft | 1.07m | 6.3ft | 1.92m |
| 3.0ft | 0.91m | 6.5fc | 5.3ft | 1.62m | 9.5ft | 2.90m |
| 4.0ft | 1.22m | 3.6fc | 7.1ft | 2.16m | 12.7ft | 3.87m |

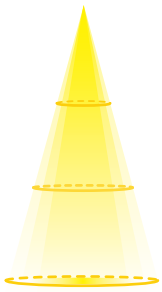
**Delivered Lumen: 118.6lm**
Vertical Beam Spread: 83.3°
Horizontal Beam Spread: 115.3°

## 2W, 1' (305mm), 3000K, 90+ CRI, Prismatic Lens

### Polar Candela Distribution




### Beam Width: 30°

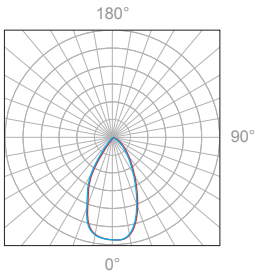


### Illuminance at a Distance

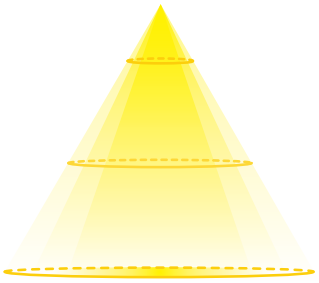
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 319fc | 0.3ft | 0.09m | 0.3ft | 0.09m |
| 1.0ft | 0.30m | 162fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 2.0ft | 0.61m | 57fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 3.0ft | 0.91m | 27fc | 1.6ft | 0.49m | 1.6ft | 0.49m |
| 4.0ft | 1.22m | 15fc | 2.1ft | 0.64m | 2.1ft | 0.64m |

**Delivered Lumen: 135.3lm**
Vertical Beam Spread : 30.4°
Horizontal Beam Spread : 30.3°

### Polar Candela Distribution




### Beam Width: 60°

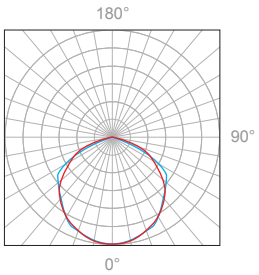


### Illuminance at a Distance

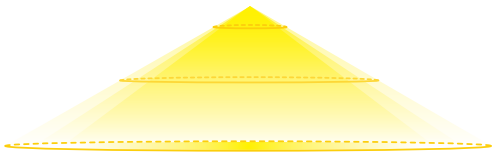
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 323fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 1.0ft | 0.30m | 155fc | 1.0ft | 0.30m | 1.0ft | 0.30m |
| 2.0ft | 0.61m | 50fc | 2.1ft | 0.64m | 2.1ft | 0.64m |
| 3.0ft | 0.91m | 22fc | 3.1ft | 0.94m | 3.1ft | 0.94m |
| 4.0ft | 1.22m | 13fc | 4.1ft | 1.25m | 4.1ft | 1.25m |

**Delivered Lumen: 115.9lm**
Vertical Beam Spread: 55.4°
Horizontal Beam Spread: 56.4°

### Polar Candela Distribution




### Beam Width: 120°



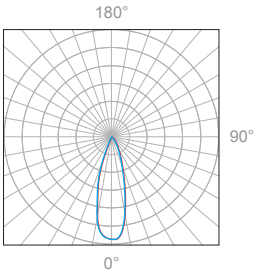
### Illuminance at a Distance

| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 205fc | 0.9ft | 0.27m | 1.5ft | 0.46m |
| 1.0ft | 0.30m | 81fc | 1.8ft | 0.55m | 3.0ft | 0.91m |
| 2.0ft | 0.61m | 22fc | 3.6ft | 1.09m | 6.1ft | 1.86m |
| 3.0ft | 0.91m | 10fc | 5.4ft | 1.65m | 9.1ft | 2.77m |
| 4.0ft | 1.22m | 5.7fc | 7.2ft | 2.19m | 12.1ft | 3.69m |

**Delivered Lumen: 138.1lm**
Vertical Beam Spread: 83.5°
Horizontal Beam Spread: 113.2°

## 6W, 1' (305mm), 3000K, 90+ CRI, Frosted Lens

### Polar Candela Distribution



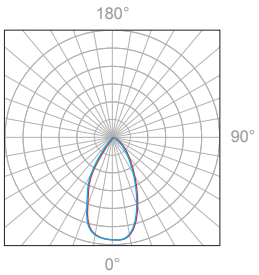

### Beam Width: 30°

### Illuminance at a Distance

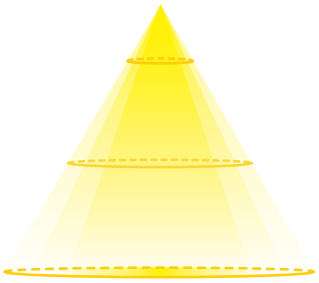
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 519fc | 0.3ft | 0.09m | 0.3ft | 0.09m |
| 1.0ft | 0.30m | 213fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 2.0ft | 0.61m | 61fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 3.0ft | 0.91m | 27fc | 1.6ft | 0.49m | 1.6ft | 0.49m |
| 4.0ft | 1.22m | 15fc | 2.1ft | 0.64m | 2.1ft | 0.64m |

Delivered Lumen: 344.2lm
Vertical Beam Spread: 30.4°
Horizontal Beam Spread: 30.3°

### Polar Candela Distribution




### Beam Width: 60°

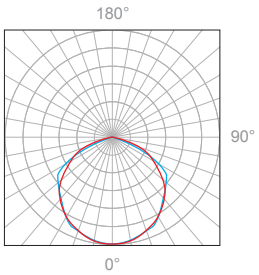


### Illuminance at a Distance

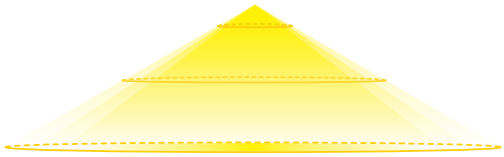
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 466fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 1.0ft | 0.30m | 207fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 2.0ft | 0.61m | 57fc | 2.1ft | 0.64m | 2.1ft | 0.64m |
| 3.0ft | 0.91m | 26fc | 3.2ft | 0.98m | 3.2ft | 0.98m |
| 4.0ft | 1.22m | 14fc | 4.3ft | 1.31m | 4.3ft | 1.31m |

Delivered Lumen: 322.7lm
Vertical Beam Spread: 55.8°
Horizontal Beam Spread: 56.2°

### Polar Candela Distribution




### Beam Width: 120°



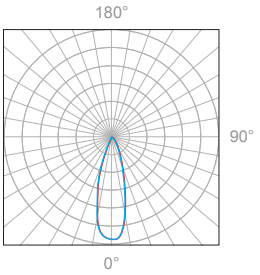
### Illuminance at a Distance

| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 458fc | 0.9ft | 0.27m | 1.6ft | 0.49m |
| 1.0ft | 0.30m | 181fc | 1.8ft | 0.55m | 3.2ft | 0.98m |
| 2.0ft | 0.61m | 47fc | 3.5ft | 1.07m | 6.3ft | 1.92m |
| 3.0ft | 0.91m | 21fc | 5.3ft | 1.62m | 9.5ft | 2.90m |
| 4.0ft | 1.22m | 12fc | 7.1ft | 2.16m | 12.7ft | 3.87m |

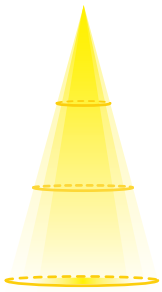
Delivered Lumen: 351.7lm
Vertical Beam Spread: 121.1°
Horizontal Beam Spread: 115.7°

## 6W, 1' (305mm), 3000K, 90+ CRI, Prismatic Lens

### Polar Candela Distribution




### Beam Width: 30°

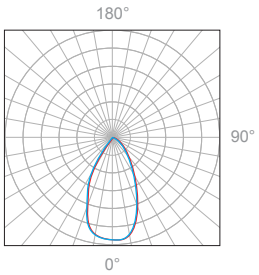


### Illuminance at a Distance

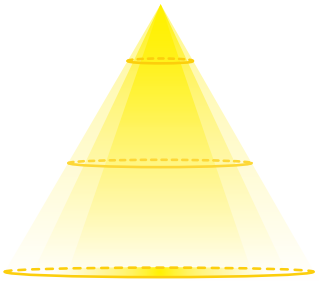
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 1145fc | 0.3ft | 0.09m | 0.3ft | 0.09m |
| 1.0ft | 0.30m | 591fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 2.0ft | 0.61m | 210fc | 1.1ft | 0.34m | 1.1ft | 0.34m |
| 3.0ft | 0.91m | 100fc | 1.6ft | 0.49m | 1.6ft | 0.49m |
| 4.0ft | 1.22m | 58fc | 2.1ft | 0.64m | 2.1ft | 0.64m |

Delivered Lumen: 417.4lm
Vertical Beam Spread : 30.2°
Horizontal Beam Spread : 30.1°

### Polar Candela Distribution




### Beam Width: 60°

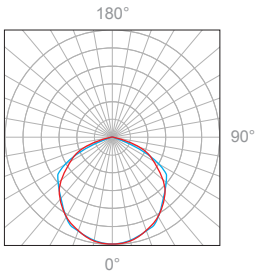


### Illuminance at a Distance

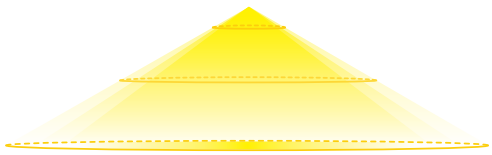
| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 1094fc | 0.5ft | 0.15m | 0.5ft | 0.15m |
| 1.0ft | 0.30m | 531fc | 1.0ft | 0.30m | 1.0ft | 0.30m |
| 2.0ft | 0.61m | 166fc | 2.1ft | 0.64m | 2.1ft | 0.64m |
| 3.0ft | 0.91m | 76fc | 3.1ft | 0.94m | 3.1ft | 0.94m |
| 4.0ft | 1.22m | 43fc | 4.1ft | 1.25m | 4.1ft | 1.25m |

Delivered Lumen: 365.2lm
Vertical Beam Spread: 55.4°
Horizontal Beam Spread: 56.4°

### Polar Candela Distribution




### Beam Width: 120°

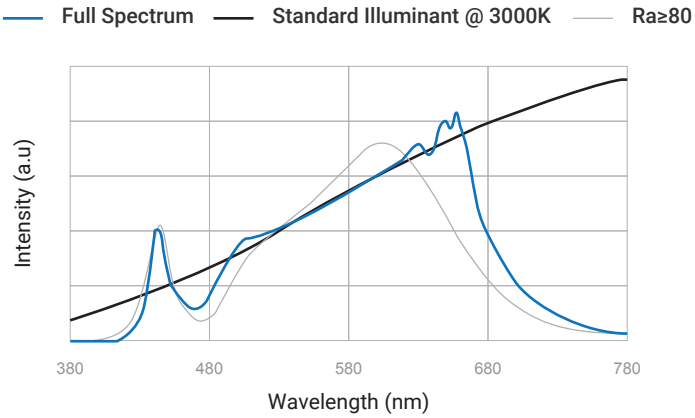


### Illuminance at a Distance

| Distance | | Center Beam fc | Beam Width | | | |
|---|---|---|---|---|---|---|
| 0.5ft | 0.15m | 708fc | 0.9ft | 0.27m | 1.5ft | 0.46m |
| 1.0ft | 0.30m | 277fc | 1.8ft | 0.55m | 3.0ft | 0.91m |
| 2.0ft | 0.61m | 77fc | 3.6ft | 1.09m | 6.1ft | 1.86m |
| 3.0ft | 0.91m | 34fc | 5.4ft | 1.65m | 9.1ft | 2.77m |
| 4.0ft | 1.22m | 19fc | 7.2ft | 2.19m | 12.1ft | 3.69m |

Delivered Lumen: 425.7lm
Vertical Beam Spread: 119.9°
Horizontal Beam Spread: 116.0°

## Full Spectrum | **W** wide 120° only



## Appendix

**MA** matte clear anodized
shown with **MB** mounting bracket

**MA** matte clear anodized
shown with **C22** canopy