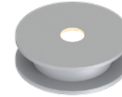


# L580

INTERIOR  
Carpet Light

● Dry location



## Ordering Information

Clear Form

Date : \_\_\_\_\_

Quantity : \_\_\_\_\_

Project : \_\_\_\_\_

Note : \_\_\_\_\_

Type : \_\_\_\_\_

## Specifications

Luminaire | Example Code: L580-1-W303H-S-MA

| Product | Version | CCT & CRI   | Beam Angle                       | Trim Finish  |
|---------|---------|---|----------------------------------|--|
| L580    | 1       |   |                                  | MA   |
|         | 1 1W    | <b>3-step MacAdam:</b><br>W223S 2200K 80+<br>W303H 3000K 90+<br>W353H 3500K 90+<br>W413H 4100K 90+<br><br><b>2-step MacAdam:</b><br>W272H 2700K 90+<br>W302H 3000K 90+<br>W352H 3500K 90+ | S Spot 12°<br>N Narrow flood 30° | <b>Aluminum Finish:</b><br>MA matte clear anodized |

### System Components (Ordered Separately)

Remote Driver : \_\_\_\_\_

\* Consult MP Lighting Website or Factory.

### Important Notes

Specification

#### Warranty Notes & Disclaimer

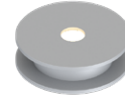
*Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. 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.*

# L580

INTERIOR  
Carpet Light

● Dry location

RoHS   



## Performance

| Wattage | Forward Current | Power Consumption Budget per fixture (including driver) | LED output (Source) | Fixture Output (Delivered) |
|---------|-----------------|---|---------------------|----------------------------|
| 1W      | 350mA           | 1.3W  | 110 lm              | 63-66 lm                   |

## Application

|             |  |
|-------------|--|
| Environment | Dry Location approved. IP 40.  |
| Mounting    | <b>Recessed:</b> Designed to be installed on carpets. Two parts: front and back are designed to be screwed together.<br><b>Cut-out size:</b> Ø1-1/8" (Ø28mm) |

## Electrical

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

## Luminaire Construction

|                     |   |
|---------------------|---|
| Weight              | N/A   |
| Material            | <b>Fixture:</b> machined marine-grade aluminum                            |
| Warranty & LED Life | 5 years limited warranty<br>Estimated useful life of LED is 50,000 hours. |

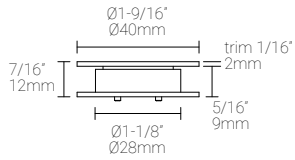
## Ordered Separately

|                   |   |
|-------------------|---|
| System Components | <b>Power supplies:</b> remote driver<br>Please consult factory or visit <a href="#">Recommended Drivers</a> for available driver options. |
|-------------------|---|

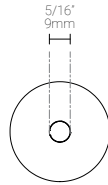
Mounting Options & Dimensions

LED Fixture Dimensions

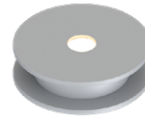
Fixture



Top View



3D View

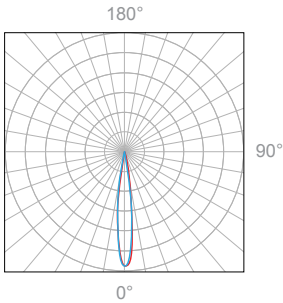


Beam

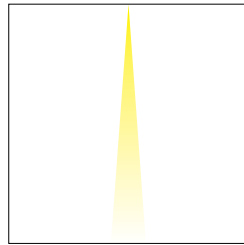


1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°

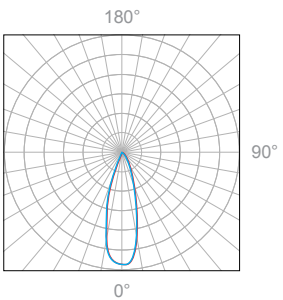


Illuminance at a Distance

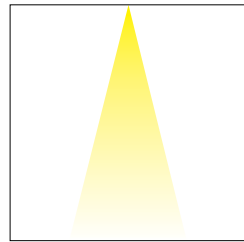
| Distance |       | Center Beam fc | Beam Width |       |       |       |
|----------|-------|----------------|------------|-------|-------|-------|
| 3.0ft    | 0.91m | 106fc          | 0.6ft      | 0.18m | 0.6ft | 0.18m |
| 6.0ft    | 1.83m | 26.5fc         | 1.3ft      | 0.40m | 1.3ft | 0.40m |
| 9.0ft    | 2.74m | 11.8fc         | 1.9ft      | 0.58m | 1.9ft | 0.58m |
| 12.0ft   | 3.66m | 6.63fc         | 2.5ft      | 0.76m | 2.5ft | 0.76m |
| 15.0ft   | 4.57m | 4.24fc         | 3.1ft      | 0.95m | 3.1ft | 0.95m |
| 18.0ft   | 5.49m | 2.95fc         | 3.8ft      | 1.16m | 3.8ft | 1.16m |

Delivered Lumen: 63.4lm  
 ■ Vertical Beam Spread: 12.0°  
 ■ Horizontal Beam Spread: 12.0°

Polar Candela Distribution



Beam Width: 30°



Illuminance at a Distance

| Distance |       | Center Beam fc | Beam Width |       |       |       |
|----------|-------|----------------|------------|-------|-------|-------|
| 3.0ft    | 0.91m | 20.6fc         | 1.6ft      | 0.49m | 1.6ft | 0.49m |
| 6.0ft    | 1.83m | 5.14fc         | 3.2ft      | 0.98m | 3.2ft | 0.98m |
| 9.0ft    | 2.74m | 2.29fc         | 4.7ft      | 1.43m | 4.7ft | 1.43m |
| 12.0ft   | 3.66m | 1.29fc         | 6.3ft      | 1.92m | 6.3ft | 1.92m |
| 15.0ft   | 4.57m | 0.82fc         | 7.9ft      | 2.41m | 7.9ft | 2.41m |
| 18.0ft   | 5.49m | 0.57fc         | 9.5ft      | 2.89m | 9.5ft | 2.89m |

Delivered Lumen: 65.8lm  
 ■ Vertical Beam Spread: 29.5°  
 ■ Horizontal Beam Spread: 29.5°