MOONRING 1
LP1/MR1 | SUSPENDED, SURFACE

STANDARD SIZES
1" Aperture
Configurable in circles and standalone arcs with radii of 25", 30", 36", and 48"
Compatible with LP1 linear sections

LAMPING
LED - Direct or Indirect - 80+ CRI - 3000K/3500K/4000K
Dimming down to 0%

FINISH
Aluminum, White, Black, Silver, Brass, RAL Classic Colors

CONSTRUCTION
Industrial Strength Extruded 6061 Aluminum
PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

LP1/MR1SD — D4 — DECOR/3500 — 0/10V/S — EXT/F — AL — UNV — EMB/1 — OS/2 — COMBO — SB

1. BASE MODEL (CHOOSE ONE)

- LP1/MR1SD  1" Suspended, Direct
- LP1/MR1SI   1" Suspended, Indirect
- LP1/MR1SMB  1" Wall/Surface, Back-Mounted, Front-Facing

2. NOMINAL SHAPE/SIZE (CHOOSE ONE)

- FULL-CIRCLE RING
  - STANDARD SUSPENSION
    - D4: 4" Diameter (Nominal)
    - D5: 5" Diameter
    - D6: 6" Diameter
    - D8: 8" Diameter
  - CENTRAL AXIS SUSPENSION
    - D4/CA: 4" Diameter (Nominal)
    - D5/CA: 5" Diameter
    - D6/CA: 6" Diameter
    - D8/CA: 8" Diameter

- STANDALONE QUADRANT ARC (3 MOUNTING POINTS PER ARC)
  - Q25: 25" Radius
  - Q30: 30" Radius
  - Q36: 36" Radius
  - Q48: 48" Radius

Note: Full-Circle rings are comprised of 4 joined arcs, with 1 mounting point per arc (except D8/CA, which has 6x mounting points)

3. LED LAMPING (CHOOSE ONE UNDER B)

<table>
<thead>
<tr>
<th>A. OUTPUT</th>
<th>B. CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECOR</td>
<td>3000K</td>
</tr>
<tr>
<td></td>
<td>3500K</td>
</tr>
<tr>
<td></td>
<td>4000K</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DELIVERED LUMENS (LM/FT)</th>
<th>WATTS (W/FT)</th>
<th>EFFICACY (LM/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See page 8 for complete details.</td>
<td>~40+</td>
<td></td>
</tr>
</tbody>
</table>

4. REMOTE DRIVER (CHOOSE ONE)

- 0/10V/S: 0-10V dimming down to 10% (Standard Dimming)
- 0/10V/1%: 0-10V dimming down to 1%
- 0/10V/0%: 0-10V premium dimming down to 0%
- DALI: DALI flicker-free dimming down to 0%
- DMX: DMX flicker-free dimming down to 0%
- ECOSYS1: Lutron Hi-lume 1% EcoSystem, constant voltage

*Driver specifications provided upon request to assist with control system integration.
5. LENS

- EXT/F Extra diffuse, flush

6. FINISH (CHOOSE ONE)

- AL Natural Anodized Aluminum (Standard Finish)
- BK Black Powder Coat
- BRS Brass Metallic Powder Coat
- SV Silver Powder Coat
- WH White Powder Coat
- WH/AM White Antimicrobial Powder Coat (for healthcare environments)
- RAL Specify RAL Classic Color code (ex: RAL3003) ralcolorchart.com/ral-classic

7. VOLTAGE

- UNV Universal Voltage (120VAC-277VAC)

8. ADDITIONAL OPTIONS (OPTIONAL — CHOOSE ONE UNDER A & B, AND ANY UNDER C, IF DESIRED)

A. EMERGENCY OPTIONS

- EMB/ Emergency Battery (indicate quantity — each battery powers 4 linear feet with a lumen output of 755lm)
- EMC/ Emergency Circuit (indicate quantity of 4 linear foot sections to be illuminated by emergency circuit)

* Consult ALW for available options.

B. SENSOR OPTIONS (COMPATIBLE ONLY WITH 0-10V DRIVERS — INDICATE SPECIFIC QTY IF DESIRED, OTHERWISE QTY WILL BE AUTOMATICALLY CALCULATED)

- ENLGHTE/ Enlighted® remote smart sensor (occupancy, daylight, networking, and more)
- OS/ 0-10V remote occupancy sensor
- PH/ 0-10V remote photocell/daylight sensor

* Enlighted® Gateway and Energy Manager (by others) plus programming required. Learn more at enlightedinc.com.

C. ADDITIONAL OPTIONS (COMPATIBLE ONLY WITH SUSPENDED MODELS)

- COMBO Combination 4.5" canopies at power feed locations to accommodate both power cord and suspension mount hardware.
- SB Seismic Bracing
MECHANICAL DIAGRAMS — MOUNTING & DIMENSIONS

LP1/MR1SD

LP1/MR1SMB
W/ SURFACE-MOUNT BRACKET

MECHANICAL DIAGRAMS — CONFIGURATIONS

MOONRINGS
Shown with Full-Circle Diameters

D4 50"
D5 60"
D6 72"
D8 96"

QUADRANT ARCS
Shown with Radius and Arc Chord Lengths

Q25 25" 30.25"
Q30 30" 42"
Q36 36" 56.563"
Q48 48" 75.375"
SAMPLE CONFIGURATION DIAGRAMS

SERPENTINE SHAPES

STADIUM OVALS & ROUNDED RECTANGLES
with compatible Lightplane 1 (LP1) linear sections
SAMPLE CONFIGURATION DIAGRAMS

OTHER CONFIGURATIONS

with compatible Lightplane 1 (LP1) linear sections
SUSPENSION OPTIONS

**Standard Suspension (SS)**
(1) 4.5" white canopy per power feed location
(1) bullet mount
(1) 8' aircraft cable and
(1) 2" white canopy (for use with T-bar mounting) per suspension point

**Central Axis Suspension (CAS)**
(1) 5" white central axis canopy per fixture that all aircraft cables/power feeds route into, as shown.

**Seismic Bracing (SB)**
Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point.

**Combo Canopy (COMBO)**
Choose option COMBO to specify 4.5" canopies at feed locations with power feed and aircraft cable suspension mounting. Canopy finish is always white. Contact ALW for alternate colors.

REMOTE DRIVER VOLTAGE DROP INFORMATION (12VDC)
The below table should be used as a general guide to calculate the maximum run length between the canopy J-Box and the 0-10V remote driver. See alwusa.com/voltage-drop-calculator/ to calculate maximum recommended run length for specific wattages. Please note that the provided values are estimates only, and may vary depending on various factors such as temperature, wire/connector quality, etc. Also note that the wattages provided on the performance detail chart (pg. 8) are total watts for the fixture. The wattages for each remote driver should be indicated on the remote box, otherwise estimate watts by dividing total watts by the number of remote drivers provided.

<table>
<thead>
<tr>
<th>WIRE GAUGE</th>
<th>20W 1.67A</th>
<th>30W 2.50A</th>
<th>40W 3.33A</th>
<th>50W 4.17A</th>
<th>60W 5.00A</th>
<th>70W 5.83A</th>
<th>80W 6.67A</th>
<th>90W 7.50A</th>
<th>100W 8.33A</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 AWG</td>
<td>8 ft.</td>
<td>3 ft.</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
</tr>
<tr>
<td>16 AWG</td>
<td>18 ft.</td>
<td>9 ft.</td>
<td>5 ft.</td>
<td>2 ft.</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
</tr>
<tr>
<td>14 AWG</td>
<td>34 ft.</td>
<td>20 ft.</td>
<td>13 ft.</td>
<td>9 ft.</td>
<td>6 ft.</td>
<td>4 ft.</td>
<td>2 ft.</td>
<td>Not recommended</td>
<td>Not recommended</td>
</tr>
<tr>
<td>12 AWG</td>
<td>60 ft.</td>
<td>37 ft.</td>
<td>26 ft.</td>
<td>19 ft.</td>
<td>14 ft.</td>
<td>11 ft.</td>
<td>9 ft.</td>
<td>7 ft.</td>
<td>5 ft.</td>
</tr>
<tr>
<td>10 AWG</td>
<td>100 ft.</td>
<td>64 ft.</td>
<td>46 ft.</td>
<td>35 ft.</td>
<td>28 ft.</td>
<td>22 ft.</td>
<td>19 ft.</td>
<td>16 ft.</td>
<td>13 ft.</td>
</tr>
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</table>
## PERFORMANCE DETAILS — LED LAMPPING

<table>
<thead>
<tr>
<th>FIXTURE TYPE</th>
<th>SIZE</th>
<th>DELIVERED LUMENS* (LM)</th>
<th>WATTS* (W)</th>
<th>MOUNTING OPTIONS</th>
<th>TOTAL FIXTURE SECTIONS</th>
<th>SUSPENSION POINTS</th>
<th>POWER DROPS*</th>
<th>REMOTE DRIVER BOXES</th>
<th>APPROX. WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D4</td>
<td>4ft. Dia. (Nominal)</td>
<td>1901</td>
<td>57.6</td>
<td>Surface or Suspended</td>
<td>4x Joined Arcs</td>
<td>4x Total, 1x Per Arc</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>D5</td>
<td>5ft. Dia.</td>
<td>2280</td>
<td>69.1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>D6</td>
<td>6ft. Dia.</td>
<td>2739</td>
<td>83</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>D8</td>
<td>8ft. Dia.</td>
<td>3650</td>
<td>110.6</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>D4/CA</td>
<td>4ft. Dia. (Nominal)</td>
<td>1901</td>
<td>57.6</td>
<td>Suspended (With Central Axis Canopy)</td>
<td>4x Joined Arcs</td>
<td>4x Total, 1x Per Arc</td>
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<td>1</td>
</tr>
<tr>
<td>D5/CA</td>
<td>5ft. Dia.</td>
<td>2280</td>
<td>69.1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>D6/CA</td>
<td>6ft. Dia.</td>
<td>2739</td>
<td>83</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>D8/CA</td>
<td>8ft. Dia.</td>
<td>3650</td>
<td>110.6</td>
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<td>1</td>
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<tr>
<td>Q25</td>
<td>25in. Radius</td>
<td>475</td>
<td>14.4</td>
<td>Surface or Suspended</td>
<td>1x Arc</td>
<td>3x Total</td>
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<td>Q30</td>
<td>30in. Radius</td>
<td>571</td>
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<td>1</td>
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<tr>
<td>Q36</td>
<td>36in. Radius</td>
<td>683</td>
<td>20.7</td>
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<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
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<td>Q48</td>
<td>48in. Radius</td>
<td>911</td>
<td>27.6</td>
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<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

*Performance calculations derived from actual IES test of D2 LED/3500K 0/10V driver

*Power Drop refers to the total quantity of canopies dropping low voltage power to the fixture. Each canopy may have one or multiple wire feeds supplying power to the fixture.
ADDITIONAL OPTIONS & SPECIFICATIONS

ELECTRICAL PERFORMANCE

Class 2 LED remote drivers are provided with 10' plenum-rated cable. 80+ CRI. Luminous flux +/- 5%.

LENS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal- to no-source visibility.

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08" minimum wall thickness.

SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry or damp locations. Conforms to UL std. 2108, Low Voltage Luminaires / Low Voltage Lighting Systems Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

OPERATING CONDITIONS

Luminaire should be installed and operated ONLY in dry or damp locations where the ambient temperature ranges from -4°F to 122°F (-20°C to 50°C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

WARRANTY

Limited 5-year warranty. Details: alwusa.com/warranty

SENSOR OPTIONS

Optional, occupancy detection (OS) and/or daylight harvesting (PS) sensor available. Or upgrade to an optional Enlighted® Smart Sensor (ENLIGHT) for additional capabilities. Contact ALW for details.

FINISH

Standard finish is "Ultimatte" aluminum — a smooth, clean, and durable finish achieved from a deep etch and two-step clear anodizing process. Other options are shown below.

*For healthcare environments, a white antimicrobial finish (WH/AM) is also available.

FLUSH LENS – EXT/F

FINISH OPTIONS

- Aluminum
- White*
- Black
- Silver
- Brass
- RAL Classic

*RAL Classic in Anodized finish only.