SPECIFICATIONS

MOONRING 1
LP1/MR1 | Suspended, Surface | LED

Find additional images and information at alwusa.com/moonring
## MOONRING 1 – LP1/MR1
**Suspended, Surface**

### 1. BASE MODEL
- LP1/MR1SD: 1" suspended direct
- LP1/MR1SI: 1" suspended indirect
- LP1/MR1SMB: 1" wall/surface back-mounted, front-facing

### 2. SIZE
**CHOOSE 1 ONLY:**
See pages 4-7 for performance/mounting details and configuration ideas.

#### FULL-CIRCLE RING
Comprised of 4 joined arcs; 1 mounting point per arc (D8/CA has 6x mounting points)

<table>
<thead>
<tr>
<th>3 mounting points per arc</th>
<th>Standard Suspended or Surface Hardware</th>
<th>Suspended Canopy with Central Axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>D4</td>
<td>4' diameter (nominal)</td>
<td>D4/CA 4' diameter (nominal)</td>
</tr>
<tr>
<td>D5</td>
<td>5' diameter</td>
<td>D5/CA 5' diameter</td>
</tr>
<tr>
<td>D6</td>
<td>6' diameter</td>
<td>D6/CA 6' diameter</td>
</tr>
<tr>
<td>D8</td>
<td>8' diameter</td>
<td>D8/CA 8' diameter</td>
</tr>
</tbody>
</table>

#### STANDALONE QUADRANT ARC
3 mounting points per arc

- Q25: 25" radius
- Q30: 30" radius
- Q36: 36" radius
- Q48: 48" radius

#### CONFIGURED QUADRANT ARCS
Mounting points vary. Consult factory. Drawings required.

- CQ25/___: 25" radius
- CQ30/___: 30" radius
- CQ36/___: 36" radius
- CQ48/___: 48" radius

### 3. LAMPING
**DECOR/1**
Pair lamping with CCT. ex: DECOR/3000K

- Decorative LED, 176 delivered lm/ft, 4.4 W/lf, 40 lm/W
- 3000K, 3500K, 4000K

1Performance calculations are extrapolated from the actual IES test results of a Q30 quadrant measuring 47.125" linear feet at 3500K using a 0/10V driver

### 4. REMOTE DRIVER
**0/10V/0**
0-10V dimming

- Standard dimming to 10%
- Dimming to 1%
- Premium dimming to 0%

**DMX**
DMX flicker-free dimming down to 0%

**ECOSYS1**
Lutron Hi-lume 1% EcoSystem, constant current or constant voltage

**ECOSYS5**
Lutron 5-Series 5% EcoSystem, constant current

**2WIRE**
Lutron Hi-lume 1% 2-wire (120V forward-phase only), constant current or constant voltage

### 5. LENS
**EXT/F**
Extra diffuse, flush lens


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6. FINISH

<table>
<thead>
<tr>
<th>AL</th>
<th>Standard, natural “Ultimatte” aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK</td>
<td>Black powdercoat</td>
</tr>
<tr>
<td>BRS</td>
<td>Brass metallic powdercoat</td>
</tr>
<tr>
<td>SV</td>
<td>Silver powdercoat</td>
</tr>
<tr>
<td>WH</td>
<td>White powdercoat</td>
</tr>
<tr>
<td>WH/AM</td>
<td>White antimicrobial powdercoat for healthcare environments</td>
</tr>
<tr>
<td>RAL/</td>
<td>Specify RAL powdercoat code (ex: #RAL/3003)</td>
</tr>
</tbody>
</table>

7. VOLTAGE

| UNV | Universal voltage |

8. ADDITIONAL OPTIONS

<table>
<thead>
<tr>
<th>COMBO</th>
<th>Combination 4.5” canopies at feed locations with both power feed and suspension mounting hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMC/</td>
<td>Emergency circuit (indicate total quantity, ex: EMC/4)</td>
</tr>
<tr>
<td>EMB/</td>
<td>Emergency battery pack (indicate total quantity, ex: EMB/4)</td>
</tr>
<tr>
<td>ENLGT/</td>
<td>Enlighted® remoted smart sensor (occupancy, daylight, networking and more)</td>
</tr>
<tr>
<td>OS/</td>
<td>0-10V remoted occupancy sensor (indicate total quantity, ex: OS/4)</td>
</tr>
<tr>
<td>PH/</td>
<td>0-10V remoted photocell/daylight sensor (indicate total quantity, ex: PH/4)</td>
</tr>
<tr>
<td>SB</td>
<td>Seismic bracing</td>
</tr>
</tbody>
</table>

2 Consult factory for available options
3 Enlighted Gateway and Energy Manager (by others) plus programming required.
Learn more at enlightened.com.
4 Compatible with 0-10V driver only. Contact factory for alternative options.
5 Select quantity of 1 for every 8 ft. (ex: ENLGT/3 for a 24’ fixture run; OS4 for a 32’ fixture run)

DIMENSIONS

REMOTE DRIVER INFO

MAXIMUM REMOTE DRIVER DISTANCE*

<table>
<thead>
<tr>
<th>Constant Voltage Driver</th>
<th>18 Wire Gauge</th>
<th>18 Wire Gauge w/ Remote Emergency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimmable 0-10V</td>
<td>18’</td>
<td>10’</td>
</tr>
<tr>
<td>DMX</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td>ECOSYS1</td>
<td>15’</td>
<td>10’</td>
</tr>
<tr>
<td>ECOSYS2</td>
<td>15’</td>
<td>10’</td>
</tr>
<tr>
<td>2WIRE</td>
<td>15’</td>
<td>10’</td>
</tr>
</tbody>
</table>

* Maximum distance includes length of power feed cable suspended from remote driver to luminaire.
Ex: 18’ max length - 3’ suspension = 15’ available to run from remote driver to building power.


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### PERFORMANCE & MOUNTING DETAILS

<table>
<thead>
<tr>
<th>FIXTURE TYPE</th>
<th>SIZE</th>
<th>DELIVERED LUMENS¹ (LM)</th>
<th>WATTS¹ (W)</th>
<th>MOUNTING OPTIONS</th>
<th>TOTAL FIXTURE SECTIONS</th>
<th>SUSPENSION POINTS</th>
<th>POWER DROPS²</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>
</tr>
<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>
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<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>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>D5/CA</td>
<td>5ft. Dia.</td>
<td>2280</td>
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<td></td>
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<td></td>
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<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<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>1</td>
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<tr>
<td>Q30</td>
<td>30in. Radius</td>
<td>571</td>
<td>17.3</td>
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<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Q36</td>
<td>36in. Radius</td>
<td>683</td>
<td>20.7</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Q48</td>
<td>48in. Radius</td>
<td>911</td>
<td>27.6</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CQ25/___</td>
<td>25in. Radius</td>
<td>475</td>
<td>14.4</td>
<td>Surface or Suspended</td>
<td>Determined by Designer</td>
<td>Varies, Consult Factory, Drawings Required</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CQ30/___</td>
<td>30in. Radius</td>
<td>571</td>
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<td>1</td>
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<tr>
<td>CQ48/___</td>
<td>48in. Radius</td>
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<td></td>
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</table>

1 Performance calculations derived from actual IES test of D2 LED/3500K 0/10V/10% fixture.
2 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.

CONFIGURATIONS

MOONRINGS
Shown with Full-Circle Diameters

D4
50"

D5
60"

D6
72"

D8
96"

QUADRANT ARCS
Shown with Radius and Arch Chord Lengths

Q25
25" 30° 30.25°

Q30
30" 42°

Q36
36" 51° 54.5625°

Q48
48" 68° 73.375°
MOONRING 1 – LP1/MR1
Suspended, Surface

CONFIGURATIONS

SERPENTINE SHAPES

STADIUM OVALS & ROUNDED RECTANGLES
with compatible Lightplane 1 (LP1) linear sections
MOONRING 1 – LP1/MR1
Suspended, Surface

CONFIGURATIONS

OTHER CONFIGURATIONS

with compatible Lightplane 1 (LP1) linear sections
MOONRING 1 – LP1/MR1
Suspended, Surface

HOUSING
100% recyclable, extruded architectural grade T6061 aluminum with .08” minimum wall thickness.

ELECTRICAL
Class 2 remote drivers are provided with 10' plenum-rated cable. ETL listed for damp location.

EMERGENCY
Luminaires can be wired for emergency circuit. Emergency battery backup NOT available.

SUSPENDED MOUNTING

(1) 4.5” canopy per power feed location
(1) bullet mount,
(1) 8’ aircraft cable and
(1) 2” canopy (for use with T-bar mounting) per suspension point

CENTRAL AXIS CANOPY SYSTEM - CA
(1) J-box suspension bracket and (1) central axis canopy unit to which all aircraft cable and power cables are connected.

OPTIONS

SEISMIC BRACING
Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point

COMBO CANOPY
Choose COMBO to specify 4.5” canopies at feed locations with power feed and aircraft cable suspension mounting

SURFACE MOUNTING

(2) SMB brackets per arc segment for wall and ceiling mounting.

LENS
Extruded, twin-layered, high-impact opal acrylic lens.

FINISH
Standard finish is “Ultimatte” aluminum — a smooth, clean and durable finish achieved from a deep-etch and two-step clear anodizing process. White, black, silver, brass and color RAL powdercoat options also available. For healthcare environments, a white antimicrobial finish (WH/AM) is also an option.

FINISH COLORS
ALUMINUM – AL
WHITE – WH & WH/AM
BLACK – BK
SILVER – SV
BRASS – BRS
COLOR – RAL

OPERATING TEMPERATURE
Luminaire should be installed and operated ONLY in environments where the ambient temperature ranges from -4° F (-20° C) to 122° F (50° C). Operating the luminaire 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.