



MOONRING ARCS

MR1.5/MR3-Q | SUSPENDED, CEILING

STANDARD SIZES

1.5" or 3" Aperture
Standalone quadrant arcs with radii from 25in. to 96in.

LAMPING

LED - Direct & Indirect - 80/90 CRI - 2700K/3000K/3500K/4000K
Output Options: MIN/LOW/MED/HI/Tunable White/RGB/RGB+W
Dimming down to 0%

FINISH

Two Tone Paint Options (Select Models):
Brushed Aluminum, White, Black, Silver, Brass, RAL Classic Colors

CONSTRUCTION

Industrial Strength Extruded & Welded 6061 Aluminum





PRODUCT SUBMITTAL WORKSHEET

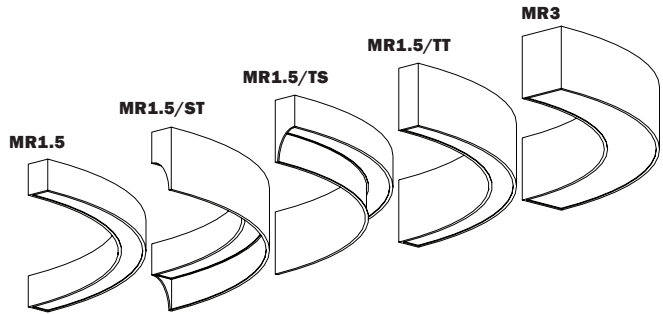
SAMPLE PRODUCT CODE

MR1.5/TS – Q25 – SS – MED/90/3500 – 0/10V/0% – LENS – LOW/90/3500 – 0/10V/0% – HT – BK – RAL1001 – UNV – EMB/1 – OS/1 – SB
 1 2 3 4 5 6 7 8 9 10 11 12 13a 13b 13c

1. BASE MODEL (CHOOSE ONE)

- MR1.5** 1.5", inside short wall, outside short wall
- MR1.5/ST** 1.5", inside short wall, outside tall wall
- MR1.5/TS** 1.5", inside tall wall, outside short wall
- MR1.5/TT** 1.5", inside tall wall, outside tall wall
- MR3** 3.0", equal wall

*See pages 5-6 for dimensions.



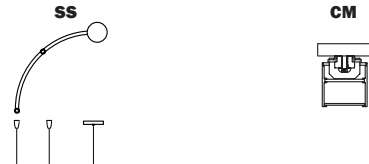
2. NOMINAL SIZE (CHOOSE ONE)

STANDALONE QUADRANT ARC (3 MOUNTING POINTS PER ARC)

- Q25** 25" Radius (1/4 of D4 ring)
- Q30** 30" Radius (1/4 of D5 ring)
- Q36** 36" Radius (1/4 of D6 ring)
- Q42** 42" Radius (1/4 of D7 ring)
- Q48** 48" Radius (1/4 of D8 ring)
- Q60** 60" Radius (1/4 of D10 ring)
- Q72** 72" Radius (1/4 of D12 ring)
- Q84** 84" Radius (1/4 of D14 ring)
- Q96** 96" Radius (1/4 of D16 ring)

3. MOUNTING (CHOOSE ONE)

- SS** Standard Suspension
- CM** Ceiling Mounted (Not available with indirect lambing)



4. LED LAMPING – DIRECT (CHOOSE ONE UNDER A, B, & C)

A. OUTPUT¹

- MIN**
- LOW**
- MED**
- HI**
- TUNE** (80CRI, 2700K-6500K White)
- RGB**
- RGBW** (80CRI, 4000K White)

B. CRI²

- 80**
- 90**

C. CCT²

- 2700K**
- 3000K**
- 3500K**
- 4000K**

| DELIVERED LUMENS (LM) | WATTS (W) |
|-------------------------------------|-----------|
| See pages 6-7 for complete details. | |

¹Direct/Indirect lambing combinations are limited when specifying HI OUTPUT due to increased thermal temperatures and/or driver type limitations. See the 'Direct/Indirect LED Lambing Chart' on page 8 and LED driver footnotes.

²CRI/CCT options not applicable for TUNE, RGB, or RGBW lambing.

SS112618-A.0



5. REMOTE DRIVER — DIRECT (CHOOSE ONE)

- 0/10V/S** 0-10V dimming down to 5% (Standard Dimming — Down to 10% for TUNE lamping)
- 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% (Not compatible with TUNE lamping)
- DMX** DMX flicker-free dimming down to 0% (Select for RGB and RGBW lamping)
- ECOSYS1** Lutron Hi-lume 1% EcoSystem, constant current (Not compatible with TUNE lamping)
- ECOSYS5** Lutron 5-Series 5% EcoSystem, constant current (Not compatible with TUNE lamping)

6. LENS — DIRECT

- LENS** Extra diffuse lens

7. LED LAMPING — INDIRECT (CHOOSE NONE OR ONE UNDER A, B, & C)

- N** None. Choose when indirect lamping is not desired.

A. OUTPUT³

- MIN**
- LOW**
- MED**
- HI**
- TUNE** (80CRI, 2700K-6500K White)
- RGB**
- RGBW** (80CRI, 4000K White)

B. CRI⁴

- 80**
- 90**

C. CCT⁴

- 2700K**
- 3000K**
- 3500K**
- 4000K**

| DELIVERED LUMENS (LM) | WATTS (W) |
|-------------------------------------|-----------|
| See pages 6-7 for complete details. | |

³Direct/Indirect lamping combinations are limited when specifying HI OUTPUT due to increased thermal temperatures and/or driver type limitations. See the 'Direct/Indirect LED Lamping Chart' on page 8 and LED driver footnotes.

⁴CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping.

8. REMOTE DRIVER — INDIRECT (CHOOSE ONE)

- N** None. Choose when indirect lamping is not desired.
- 0/10V/S** 0-10V dimming down to 5% (Standard Dimming — Down to 10% for TUNE lamping)
- 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% (Not compatible with TUNE lamping)
- DMX** DMX flicker-free dimming down to 0% (Select for RGB and RGBW lamping)
- ECOSYS1** Lutron Hi-lume 1% EcoSystem, constant current (Not compatible with TUNE lamping)
- ECOSYS5** Lutron 5-Series 5% EcoSystem, constant current (Not compatible with TUNE lamping)

9. LENS — INDIRECT (CHOOSE ONE)

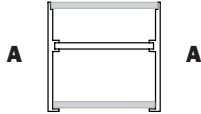
- N** None. Choose when indirect lamping is not desired. Fixture will be supplied with an aluminum cover in place of a lens to match the exterior finish.
- LENS** Extra diffuse lens
- HT⁵** High transmission, near-clear lens

⁵High transmission lens increases lumen output by ~14%, but LED chip is visible. Recommended only when top-side of fixture is not directly visible.

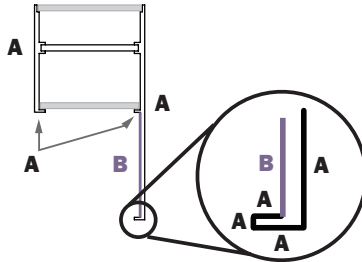
SS112618-A.0



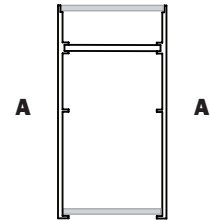
MR1.5 & MR3



MR1.5/ST & TS



MR1.5/TT



10. FINISH – SURFACE (A) (CHOOSE ONE)

- BAL** Brushed Aluminum
- 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

11. FINISH – SURFACE (B) (CHOOSE ONE - NOT APPLICABLE FOR MR1.5, MR1.5/TT AND MR3 BASE MODELS)

- BAL** Brushed Aluminum
- 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

12. VOLTAGE (CHOOSE ONE)

- UNV** Universal Voltage (120VAC-277VAC)
- 347** 347 Volt (*Driver options may be limited*)

13. ADDITIONAL OPTIONS (OPTIONAL – CHOOSE ONE UNDER A, B, & C, IF DESIRED)

A. EMERGENCY OPTIONS

- EMB/___⁶** Emergency Battery (*indicate quantity – each battery powers 4 linear feet*)
- EMC/___⁶** Emergency Circuit (*indicate quantity of 4 linear foot section to be illuminated by emergency circuit*)

⁶Consult ALW for more details.

B. SENSOR OPTIONS (COMPATIBLE ONLY WITH 0-10V DRIVERS – INDICATE QUANTITY IF DESIRED, OTHERWISE IT WILL AUTOMATICALLY BE CALCULATED)

- ENLGH/___⁷** Enlighted® remote smart sensor (*occupancy, daylight, networking, and more*)
- OS/___** 0-10V remote occupancy sensor
- PH/___** 0-10V remote photocell/daylight sensor

⁷Enlighted® Gateway and Energy Manager (by others) plus programming required. Learn more at enlightedinc.com.

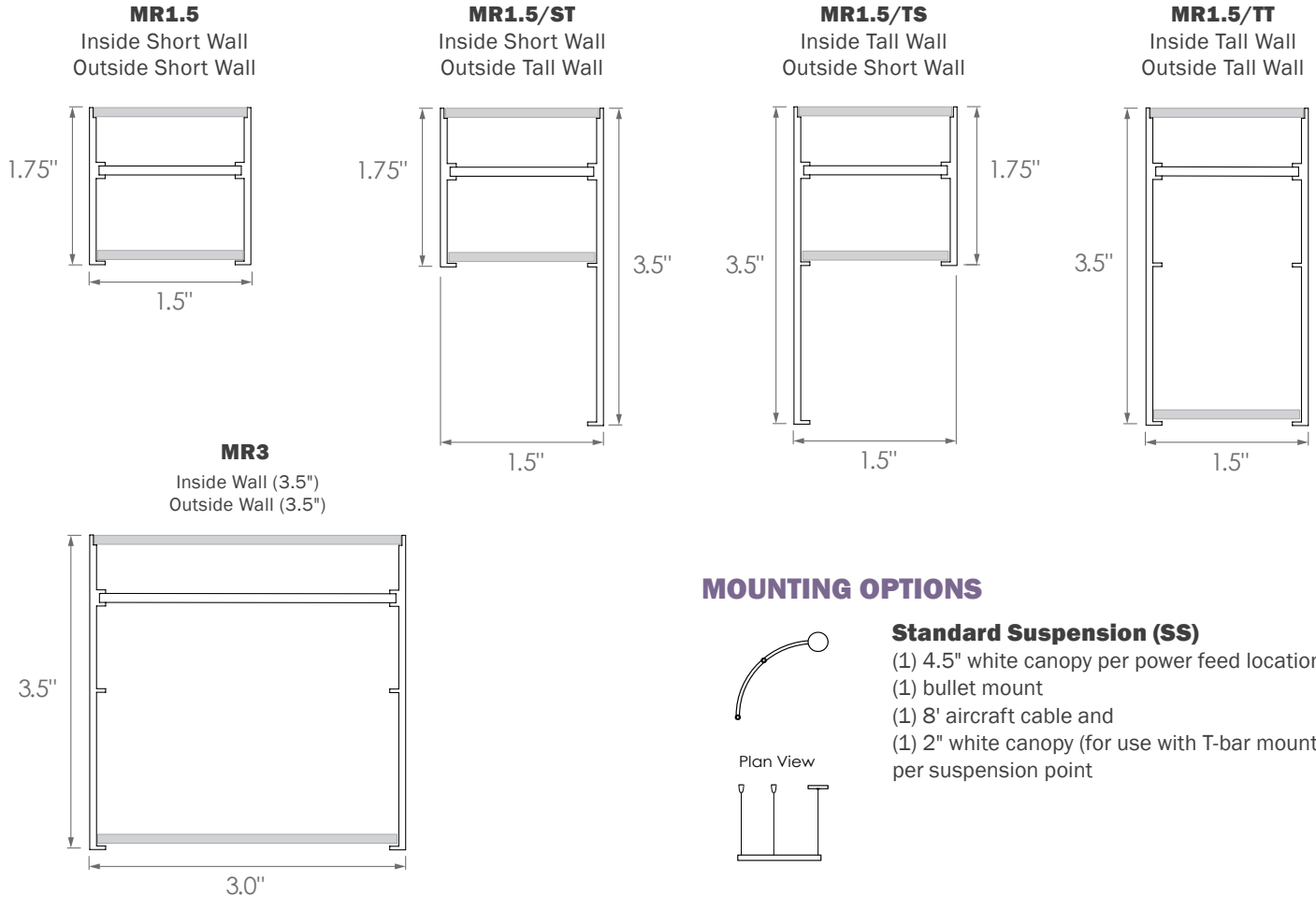
C. ADDITIONAL OPTIONS

- COMBO** Combination 4.5" canopy at power feed locations to accommodate both power cord & suspension mount hardware.
- SB** Seismic Bracing

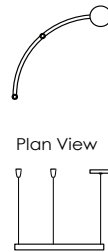
SS112618-A.0



MECHANICAL DIAGRAMS

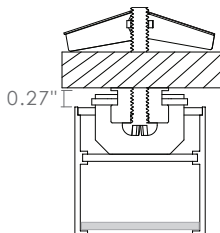


MOUNTING OPTIONS



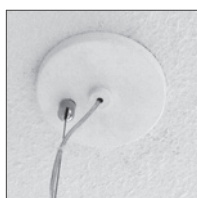
Standard Suspension (SS)

- (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



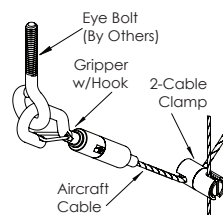
Ceiling Mount (CM)

Ceiling mount is for horizontal, ceiling mounting only. The fixture is not compatible with indirect lamping or vertical surface mounting (i.e. on a wall). Three ceiling-mount brackets per fixture. Surface Mount hardware adds 0.27" height to all options, as shown.



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.



Seismic Bracing (SB)

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

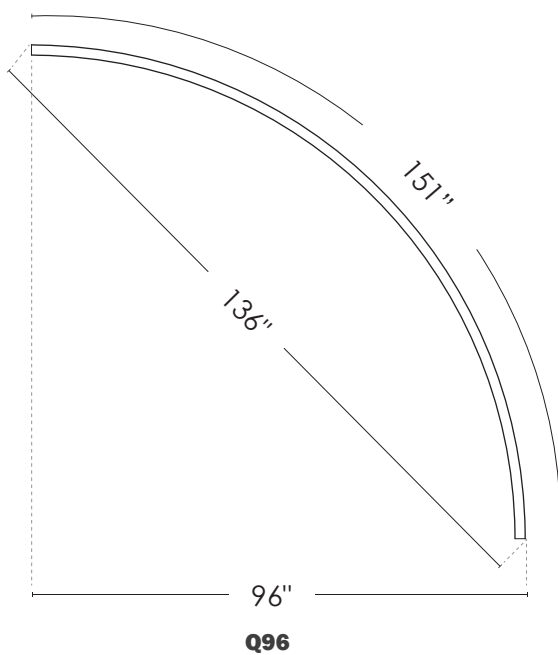
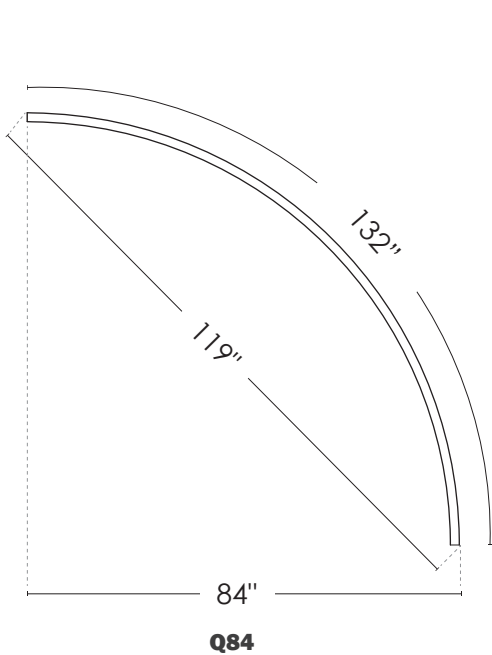
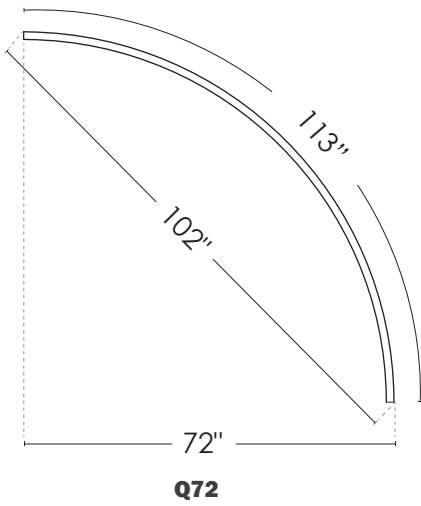
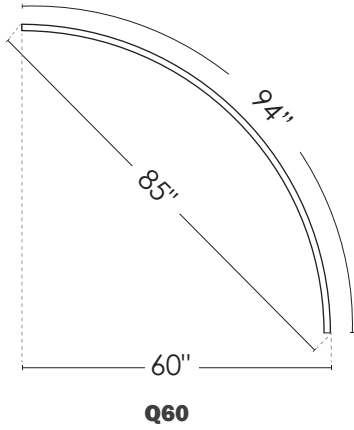
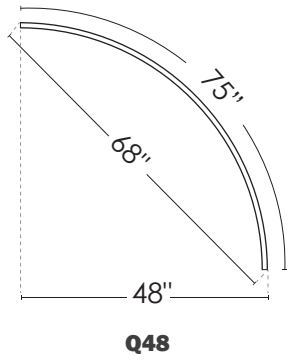
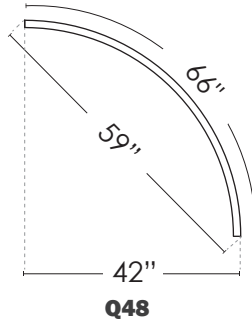
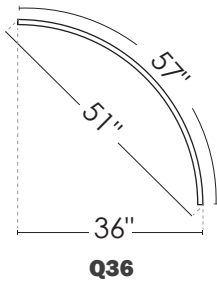
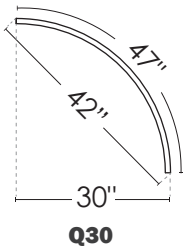
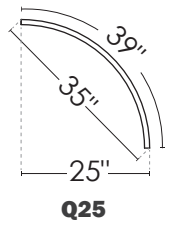
SS112618-A.0



DIMENSIONS

QUADRANT ARCS

Shown with Radius and Arc Chord Lengths





PERFORMANCE & MOUNTING DETAILS – MR1.5⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct</i> <i>indirect</i> | WATTS (W) <i>direct OR indirect</i> <i>direct AND indirect</i> | POWER DROPS⁹ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | REMOTE DRIVER BOXES¹⁰ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|----------------------|--------------------|--|---|--|---|--------------------------|-----------------------------|
| Q25 (MR1.5) | MIN | 750 850 | 11 22 | 1 1 | 1 1 | 3 | 6.25 |
| | LOW | 1125 1250 | 17 34 | 1 1 | 1 1 | | |
| | MED | 1500 1700 | 23 46 | 1 1 | 1 1 | | |
| | HI | 2250 2525 | 34 68 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 26/31 52/62 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 18 36 | 1 1 | 1 2 | | |
| Q30 (MR1.5) | MIN | 950 1050 | 14 28 | 1 1 | 1 1 | 3 | 8 |
| | LOW | 1400 1575 | 22 44 | 1 1 | 1 1 | | |
| | MED | 1875 2100 | 28 56 | 1 1 | 1 1 | | |
| | HI | 2825 3150 | 43 86 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 32/39 64/78 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 22 44 | 1 1 | 1 2 | | |
| Q36 (MR1.5) | MIN | 1125 1275 | 17 34 | 1 1 | 1 1 | 3 | 9.5 |
| | LOW | 1700 1900 | 26 52 | 1 1 | 1 1 | | |
| | MED | 2250 2525 | 35 70 | 1 1 | 1 1 | | |
| | HI | 3375 3800 | 52 104 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 40/48 80/96 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 27 54 | 1 1 | 1 2 | | |
| Q42 (MR1.5) | MIN | 1325 1475 | 20 40 | 1 1 | 1 1 | 3 | 10.5 |
| | LOW | 1975 2225 | 30 60 | 1 1 | 1 1 | | |
| | MED | 2625 2950 | 40 80 | 1 1 | 1 1 | | |
| | HI | 3950 4425 | 61 122 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 46/55 92/110 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 31 62 | 1 1 | 1 2 | | |

⁸Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.

⁹Power 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.

¹⁰One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.

¹¹Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.



PERFORMANCE & MOUNTING DETAILS – MR1.5 (CONT.)⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct</i> <i>indirect</i> | WATTS (W) <i>direct OR indirect</i> <i>direct AND indirect</i> | POWER DROPS⁹ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | REMOTE DRIVER BOXES¹⁰ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|----------------------|--------------------|--|---|--|---|--------------------------|-----------------------------|
| Q48 (MR1.5) | MIN | 1500 1675 | 23 46 | 1 1 | 1 1 | 3 | 12.5 |
| | LOW | 2250 2525 | 35 70 | 1 1 | 1 1 | | |
| | MED | 3000 3375 | 46 92 | 1 1 | 1 1 | | |
| | HI | 4500 5050 | 70 140 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 54/63 108/126 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 36 72 | 1 1 | 1 2 | | |
| Q60 (MR1.5) | MIN | 1875 2100 | 29 58 | 1 1 | 1 1 | 3 | 16 |
| | LOW | 2825 3150 | 44 88 | 1 1 | 1 1 | | |
| | MED | 3750 4225 | 58 116 | 1 1 | 1 1 | | |
| | HI | 5625 6325 | 87 174 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 66/80 132/160 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 45 90 | 1 1 | 1 2 | | |
| Q72 (MR1.5) | MIN | 2250 2525 | 35 70 | 1 1 | 1 1 | 3 | 19 |
| | LOW | 3375 3800 | 52 104 | 1 1 | 1 1 | | |
| | MED | 4500 5050 | 70 140 | 1 1 | 1 2 | | |
| | HI | 6750 7575 | 105 210 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 80/97 160/194 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 54 108 | 1 1 | 1 2 | | |
| Q84 (MR1.5) | MIN | 2625 2950 | 41 82 | 1 1 | 1 1 | 3 | 22 |
| | LOW | 3950 4425 | 61 122 | 1 1 | 1 1 | | |
| | MED | 5250 5900 | 82 164 | 1 1 | 1 2 | | |
| | HI | 7875 8850 | 122 244 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 94/112 188/224 | 1 1 | 1/2 N/A | | |
| | TUNABLE | TBD | 63 126 | 1 1 | 1 2 | | |

⁸Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.

⁹Power 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.

¹⁰One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.

¹¹Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.



PERFORMANCE & MOUNTING DETAILS – MR1.5 (CONT.)⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct indirect</i> | WATTS (W) <i>direct OR indirect direct AND indirect</i> | POWER DROPS ⁹ <i>direct OR indirect direct AND indirect (Standard Driver)¹¹</i> | REMOTE DRIVER BOXES ¹⁰ <i>direct OR indirect direct AND indirect (Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|----------------|-------------|---|--|--|---|-------------------|----------------------|
| Q96 (MR1.5) | MIN | 3000 | 47 | 1 | 1 | 3 | 25 |
| | | 3375 | 94 | 1 | 1 | | |
| | LOW | 4500 | 70 | 1 | 1 | | |
| | | 5050 | 140 | 1 | 2 | | |
| | MED | 6000 | 94 | 1 | 1 | | |
| | | 6750 | 188 | 1 | 2 | | |
| HI | 9000 | 140 | 1 | 1 | | | |
| | 10100 | 280 | 1 | 2 | | | |
| RGB/RGBW | TBD | 108/129 | 1 | 1 | N/A | N/A | |
| TUNABLE | TBD | 73 | 1 | 1 | 1 | 1 | |
| | | 146 | 1 | 1 | 2 | | |

PERFORMANCE & MOUNTING DETAILS – MR3⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct indirect</i> | WATTS (W) <i>direct OR indirect direct AND indirect</i> | POWER DROPS ⁹ <i>direct OR indirect direct AND indirect (Standard Driver)¹¹</i> | REMOTE DRIVER BOXES ¹⁰ <i>direct OR indirect direct AND indirect (Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|---------------|-------------|---|--|--|---|-------------------|----------------------|
| Q25 (MR3) | MIN | 1175 | 11 | 1 | 1 | 3 | 7 |
| | | 1325 | 22 | 1 | 1 | | |
| | LOW | 1775 | 17 | 1 | 1 | | |
| | | 2000 | 34 | 1 | 1 | | |
| | MED | 2375 | 23 | 1 | 1 | | |
| | | 2650 | 46 | 1 | 1 | | |
| HI | 3550 | 34 | 1 | 1 | | | |
| | 3975 | 68 | 1 | 1 | | | |
| RGB/RGBW | TBD | 26/31 | 1 | 1 | 1 | 2 | |
| | | 52/62 | 1 | 1 | 2 | | |
| TUNABLE | TBD | 18 | 1 | 1 | 1 | 1 | |
| | | 36 | 1 | 1 | 2 | | |
| Q30 (MR3) | MIN | 1475 | 14 | 1 | 1 | 3 | 9 |
| | | 1650 | 28 | 1 | 1 | | |
| | LOW | 2225 | 22 | 1 | 1 | | |
| | | 2500 | 44 | 1 | 1 | | |
| | MED | 2950 | 28 | 1 | 1 | | |
| | | 3325 | 56 | 1 | 1 | | |
| HI | 4425 | 43 | 1 | 1 | | | |
| | 4975 | 86 | 1 | 1 | | | |
| RGB/RGBW | TBD | 32/39 | 1 | 1 | 1 | 2 | |
| | | 64/78 | 1 | 1 | 2 | | |
| TUNABLE | TBD | 22 | 1 | 1 | 1 | 1 | |
| | | 44 | 1 | 1 | 2 | | |

⁸Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.

⁹Power 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.

¹⁰One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.

¹¹Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.



PERFORMANCE & MOUNTING DETAILS – MR3 (CONT.)⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct</i> <i>indirect</i> | WATTS (W) <i>direct OR indirect</i> <i>direct AND indirect</i> | POWER DROPS⁹ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | REMOTE DRIVER BOXES¹⁰ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|----------------------|--------------------|--|---|--|---|--------------------------|-----------------------------|
| Q36 (MR3) | MIN | 1775 2000 | 17 34 | 1 1 | 1 1 | 3 | 10.5 |
| | LOW | 2650 2975 | 26 52 | 1 1 | 1 1 | | |
| | MED | 3550 3975 | 35 70 | 1 1 | 1 1 | | |
| | HI | 5325 5975 | 52 104 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 40/48 80/96 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 27 54 | 1 1 | 1 2 | | |
| Q42 (MR3) | MIN | 2075 2325 | 20 40 | 1 1 | 1 1 | 3 | 11.75 |
| | LOW | 3100 3475 | 30 60 | 1 1 | 1 1 | | |
| | MED | 4150 4650 | 40 80 | 1 1 | 1 1 | | |
| | HI | 6200 6975 | 61 122 | 1 1 | 1 1 | | |
| | RGB/RGBW | TBD | 46/55 92/110 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 31 62 | 1 1 | 1 2 | | |
| Q48 (MR3) | MIN | 2375 2650 | 23 46 | 1 1 | 1 1 | 3 | 14 |
| | LOW | 3550 3975 | 35 70 | 1 1 | 1 1 | | |
| | MED | 4725 5300 | 46 92 | 1 1 | 1 1 | | |
| | HI | 7100 7975 | 70 140 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 54/63 108/126 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 36 72 | 1 1 | 1 2 | | |
| Q60 (MR3) | MIN | 2950 3325 | 29 58 | 1 1 | 1 1 | 3 | 17.75 |
| | LOW | 4425 4975 | 44 88 | 1 1 | 1 1 | | |
| | MED | 5900 6650 | 58 116 | 1 1 | 1 1 | | |
| | HI | 8875 9950 | 87 174 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 66/80 132/160 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 45 90 | 1 1 | 1 2 | | |

⁸Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.

⁹Power 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.

¹⁰One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.

¹¹Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.



PERFORMANCE & MOUNTING DETAILS – MR3 (CONT.)⁸

| RING DIAMETER | OUTPUT TYPE | LUMENS (LM) <i>direct</i> <i>indirect</i> | WATTS (W) <i>direct OR indirect</i> <i>direct AND indirect</i> | POWER DROPS⁹ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | REMOTE DRIVER BOXES¹⁰ <i>direct OR indirect</i> <i>direct AND indirect</i> <i>(Standard Driver)¹¹</i> | SUSPENSION POINTS | APPROX. WEIGHT (LBS) |
|----------------------|--------------------|--|---|--|---|--------------------------|-----------------------------|
| Q72 (MR3) | MIN | 3350 3975 | 35 70 | 1 1 | 1 1 | 3 | 21 |
| | LOW | 5325 5975 | 52 104 | 1 1 | 1 1 | | |
| | MED | 7100 7975 | 70 140 | 1 1 | 1 2 | | |
| | HI | 10625 11950 | 105 210 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 80/97 160/194 | 1 1 | 1 2 | | |
| | TUNABLE | TBD | 54 108 | 1 1 | 1 2 | | |
| Q84 (MR3) | MIN | 4150 4650 | 41 82 | 1 1 | 1 1 | 3 | 24.5 |
| | LOW | 6200 6975 | 61 122 | 1 1 | 1 1 | | |
| | MED | 8275 9300 | 82 164 | 1 1 | 1 2 | | |
| | HI | 12400 13925 | 122 244 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 94/112 188/224 | 1 1 / N/A | 1/2 2 / N/A | | |
| | TUNABLE | TBD | 63 126 | 1 1 | 1 2 | | |
| Q96 (MR3) | MIN | 4725 5300 | 47 94 | 1 1 | 1 1 | 3 | 27.75 |
| | LOW | 7100 7950 | 70 140 | 1 1 | 1 1 | | |
| | MED | 9450 10625 | 94 188 | 1 1 | 1 2 | | |
| | HI | 14175 15925 | 140 280 | 1 1 | 1 2 | | |
| | RGB/RGBW | TBD | 108/129 216/258 | 1 N/A | 2 N/A | | |
| | TUNABLE | TBD | 73 146 | 1 1 | 1 2 | | |

⁸Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.

⁹Power 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.

¹⁰One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.

¹¹Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.



DIRECT/INDIRECT LED LAMPING CHART

Due to high thermal conditions, Direct & Indirect Lamping combinations are limited to the options below. Additional lamping combinations may be limited to the driver specified.

| | | INDIRECT LAMPING | | | | | | | |
|----------------|------|------------------|-----|-----|-----|----|-----|------|------|
| | | NONE | MIN | LOW | MED | HI | RGB | RGBW | TUNE |
| DIRECT LAMPING | MIN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | LOW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | MED | ✓ | ✓ | ✓ | ✓ | / | / | / | / |
| | HI | ✓ | ✓ | ✓ | / | / | / | / | / |
| | RGB | ✓ | ✓ | ✓ | / | / | ✓ | ✓ | ✓ |
| | RGBW | ✓ | ✓ | ✓ | / | / | ✓ | ✓ | ✓ |
| | TUNE | ✓ | ✓ | ✓ | / | / | ✓ | ✓ | ✓ |

HOW TO CALCULATE VOLTAGE DROP?

Your MOONRING may be powered with more than 1x Class 2 LED driver. Let's use the White LED, 33VDC chart below as an example.

1. Determine Load Size of Each Circuit

- Open the driver enclosure and you'll see a silver sticker that indicates the Power (Wattage).
- Let's say the load is 45W. Round up to the nearest load, which is 50W (we're using the White LED, 33VDC chart in this example).

2. Determine Distance from Driver to Load

Let's assume the distance is 60 ft.

3. Determine Wire Gauge

In this example, ALW recommends to install 16 AWG wire between the Driver and Canopy (where power drops to the ring).

MOONRING VOLTAGE DROP CHART FOR REMOTE DRIVERS - WHITE LED, 33VDC

For best performance, ensure proper wire gauge is installed between the remote LED driver and canopy that is dropping power to your fixture. This chart only applies to MOONRING White LEDs at 33VDC. Do not use this chart to calculate voltage drop for other fixtures.

| WIRE GAUGE | 20W 0.61A | 30W 0.91A | 40W 1.21A | 50W 1.52A | 60W 1.82A | 70W 2.12A | 80W 2.42A | 90W 2.73A | 100W 3.03A |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 18 AWG | 119 ft. | 77 ft. | 55 ft. | 43 ft. | 34 ft. | 28 ft. | 23 ft. | 20 ft. | 17 ft. |
| 16 AWG | 195 ft. | 127 ft. | 93 ft. | 73 ft. | 59 ft. | 50 ft. | 42 ft. | 37 ft. | 32 ft. |
| 14 AWG | 315 ft. | 207 ft. | 153 ft. | 121 ft. | 99 ft. | 84 ft. | 72 ft. | 63 ft. | 56 ft. |
| 12 AWG | 506 ft. | 334 ft. | 249 ft. | 197 ft. | 163 ft. | 138 ft. | 120 ft. | 106 ft. | 94 ft. |
| 10 AWG | 809 ft. | 537 ft. | 400 ft. | 319 ft. | 264 ft. | 225 ft. | 196 ft. | 173 ft. | 155 ft. |

MOONRING VOLTAGE DROP CHART FOR REMOTE DRIVERS - RGB LED, 24VDC

For best performance, ensure proper wire gauge is installed between the remote LED driver and canopy that is dropping power to your fixture. This chart only applies to MOONRING RGB fixtures at 24VDC. Do not use this chart to calculate voltage drop for other fixtures.

| WIRE GAUGE | 20W 0.83A | 30W 1.25A | 40W 1.67A | 50W 2.08A | 60W 2.50A | 70W 2.92A | 80W 3.33A | 90W 3.75A | 100W 4.20A |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 18 AWG | 59 ft. | 37 ft. | 25 ft. | 19 ft. | 14 ft. | 11 ft. | 8 ft. | 7 ft. | 5 ft. |
| 16 AWG | 99 ft. | 63 ft. | 45 ft. | 35 ft. | 27 ft. | 22 ft. | 18 ft. | 15 ft. | 13 ft. |
| 14 AWG | 163 ft. | 106 ft. | 77 ft. | 60 ft. | 49 ft. | 40 ft. | 34 ft. | 30 ft. | 26 ft. |
| 12 AWG | 264 ft. | 173 ft. | 128 ft. | 100 ft. | 82 ft. | 69 ft. | 60 ft. | 52 ft. | 46 ft. |
| 10 AWG | 424 ft. | 280 ft. | 208 ft. | 164 ft. | 136 ft. | 115 ft. | 100 ft. | 88 ft. | 78 ft. |

SS112618-A.0



ADDITIONAL OPTIONS & SPECIFICATIONS

LENS

Direct: Extra diffused opal acrylic lens (LENS).

Indirect: Extra diffused opal acrylic lens (LENS) OR clear high transmission lens (HT).

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.075" minimum wall thickness.

SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry locations only.
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 TEMPERATURE

Luminaire should be installed and operated ONLY in dry environments 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 (ENLGHT) for additional capabilities. Contact ALW for details.

FINISH



Brushed Aluminum



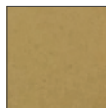
White*



Black



Silver



Brass



RAL Classic

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