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

Intertek
ETL Listed
2108

PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

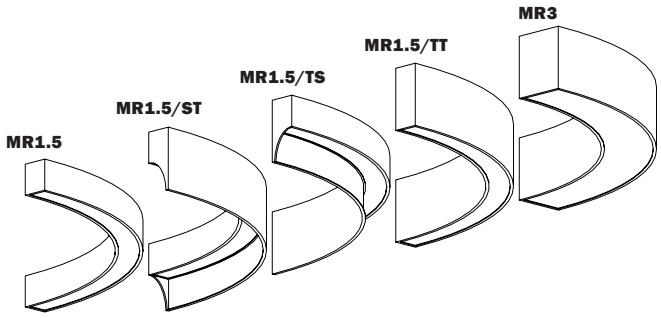
MR1.5/TS — Q25 — SS — MED/90/3500 — 0/10V/0% — LENS — LOW/90/3500 — 0/10V/0% — HT — BK — RAL1001 — UNV — EMB/1 — OS/1 — SB

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.



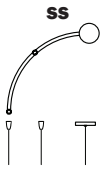
2. NOMINAL SIZE (CHOOSE ONE)

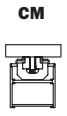
STANDALONE QUADRANT ARC (3 MOUNTING POINTS PER ARC)

- ☐ **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 lamping)





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

A. OUTPUT[1]	B. CRI[2]	C. CCT[2]
☐ **MIN**	☐ **80**	☐ **2700K**
☐ **LOW**	☐ **90**	☐ **3000K**
☐ **MED**		☐ **3500K**
☐ **HI**		☐ **4000K**
☐ **TUNE** (80CRI, 2700K-6500K White)		
☐ **RGB**		
☐ **RGBW** (80CRI, 4000K White)		

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

[1]*Direct/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.*

[2]*CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping.*

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. OUTPUT[3]	B. CRI[4]	C. CCT[4]
☐ **MIN**	☐ **80**	☐ **2700K**
☐ **LOW**	☐ **90**	☐ **3000K**
☐ **MED**		☐ **3500K**
☐ **HI**		☐ **4000K**
☐ **TUNE** (80CRI, 2700K-6500K White)		
☐ **RGB**		
☐ **RGBW** (80CRI, 4000K White)		

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

[3]Direct/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.
[4]CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping.

8. REMOTE DRIVER — INDIRECT (CHOOSE ONE)

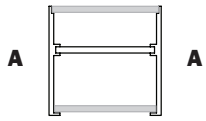
- ☐ **N** None. *Choose when indirect lamping is not desired.*
- ☐ **0/10V/S** 0-10V dimming down to 5% (Standard Dimming — Down to 10% for TUNE lamping)
- ☐ **0/10V/1%** 0-10V dimming down to 1%
- ☐ **0/10V/0%** 0-10V premium dimming down to 0%
- ☐ **DALI** DALI flicker-free dimming down to 0% (Not 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)

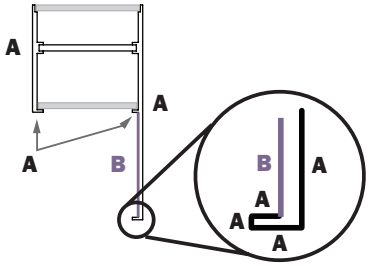
- ☐ **N** None. *Choose when indirect lamping is not desired. Fixture will be supplied with an aluminum cover in place of a lens to match the exterior finish.*
- ☐ **LENS** Extra diffuse lens
- ☐ **HT[5]** High transmission, near-clear lens

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

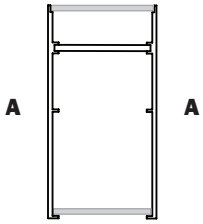
MR1.5 & MR3



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)*

[6]*Consult ALW for more details.*

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

- ☐ **ENLGHT/__**[7] Enlighted® remote smart sensor *(occupancy, daylight, networking, and more)*
- ☐ **OS/__** 0-10V remote occupancy sensor
- ☐ **PH/__** 0-10V remote photocell/daylight sensor

[7]*Enlighted® 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

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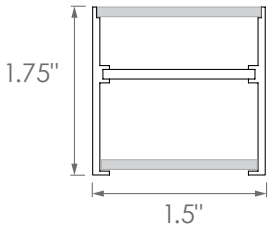
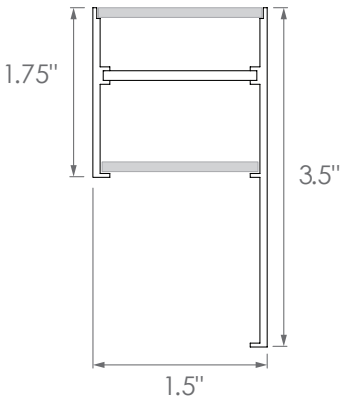
MECHANICAL DIAGRAMS

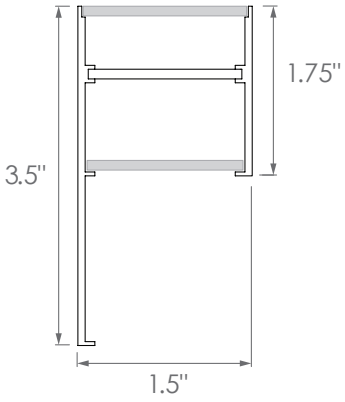
MR1.5
Inside Short Wall
Outside Short Wall



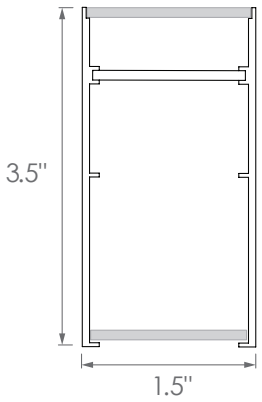
MR1.5/ST
Inside Short Wall
Outside Tall Wall



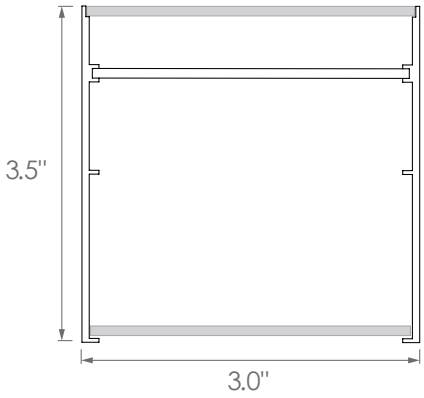
MR1.5/TS
Inside Tall Wall
Outside Short Wall



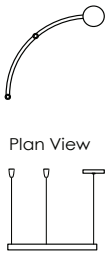
MR1.5/TT
Inside Tall Wall
Outside Tall Wall



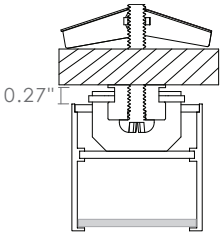
MR3
Inside Wall (3.5")
Outside Wall (3.5")



MOUNTING OPTIONS

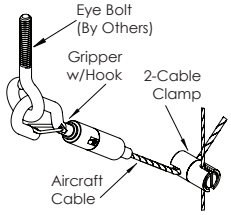


Standard Suspension (SS)
(1) 4.5" white canopy per power feed location
(1) bullet mount
(1) 8' aircraft cable and
(1) 2" white canopy (for use with T-bar mounting) per suspension point



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.

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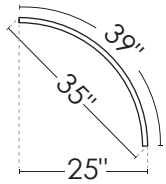
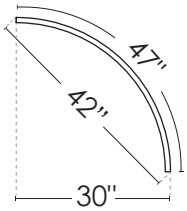
DIMENSIONS

QUADRANT ARCS

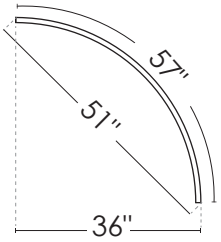
Shown with Radius and Arc Chord Lengths



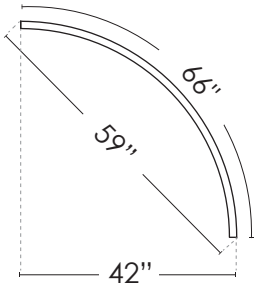
Q25



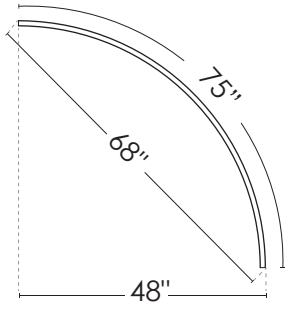
Q30



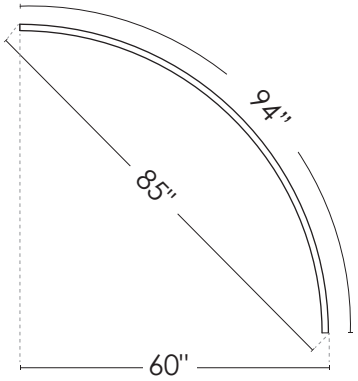
Q36



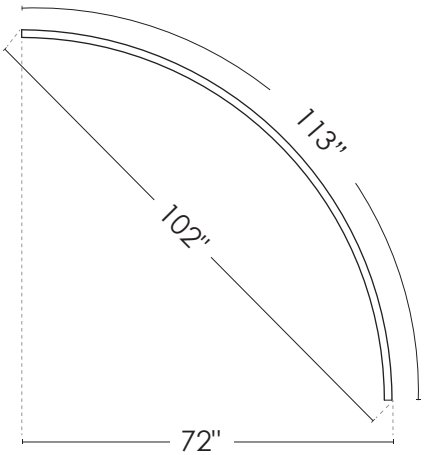
Q42



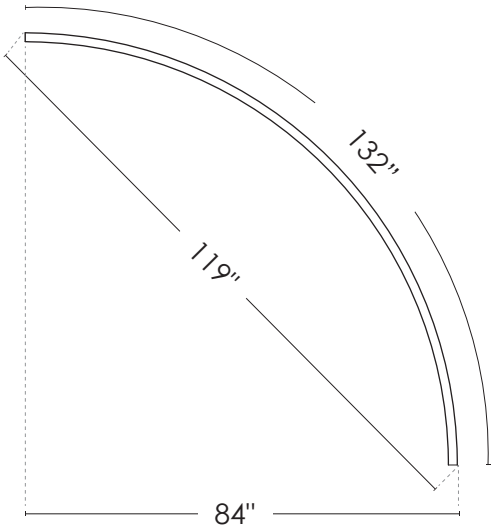
Q48



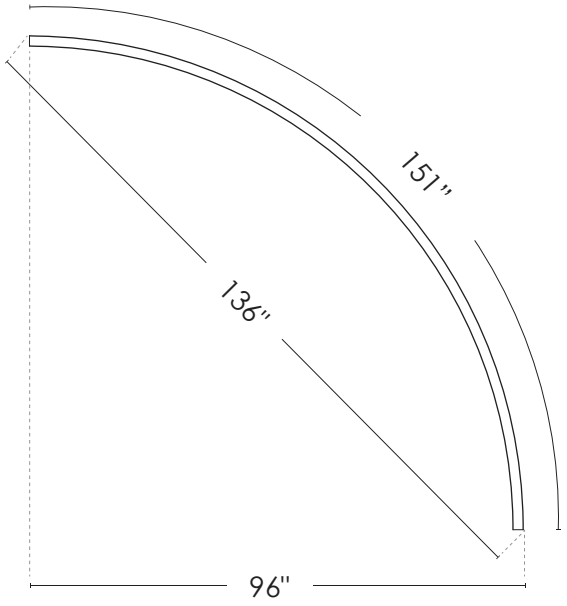
Q60



Q72



Q84



Q96

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PERFORMANCE & MOUNTING DETAILS — MR1.5[8]

RING DIAMETER	OUTPUT TYPE	LUMENS (LM) *direct* *indirect*	WATTS (W) *direct OR indirect* *direct AND indirect*	POWER DROPS[9] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	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		

[8] *Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.*
[9] *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.*
[10] *One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.*
[11] *Applies 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) *direct* *indirect*	WATTS (W) *direct OR indirect* *direct AND indirect*	POWER DROPS[9] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	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		

[8]Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.
[9]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.
[10]One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.
[11]Applies 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) *direct indirect*	WATTS (W) *direct OR indirect direct AND indirect*	POWER DROPS[9] *direct OR indirect direct AND indirect (Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect direct AND indirect (Standard Driver)*[11]	SUSPENSION POINTS	APPROX. WEIGHT (LBS)
Q96 (MR1.5)	MIN	3000 3375	47 94	1 1	1 1	3	25
	LOW	4500 5050	70 140	1 1	1 2		
	MED	6000 6750	94 188	1 1	1 2		
	HI	9000 10100	140 280	1 1	1 2		
	RGB/RGBW	TBD	108/129 216/258	1 N/A	1 N/A		
	TUNABLE	TBD	73 146	1 1	1 2		

PERFORMANCE & MOUNTING DETAILS — MR3[8]

RING DIAMETER	OUTPUT TYPE	LUMENS (LM) *direct indirect*	WATTS (W) *direct OR indirect direct AND indirect*	POWER DROPS[9] *direct OR indirect direct AND indirect (Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect direct AND indirect (Standard Driver)*[11]	SUSPENSION POINTS	APPROX. WEIGHT (LBS)
Q25 (MR3)	MIN	1175 1325	11 22	1 1	1 1	3	7
	LOW	1775 2000	17 34	1 1	1 1		
	MED	2375 2650	23 46	1 1	1 1		
	HI	3550 3975	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 (MR3)	MIN	1475 1650	14 28	1 1	1 1	3	9
	LOW	2225 2500	22 44	1 1	1 1		
	MED	2950 3325	28 56	1 1	1 1		
	HI	4425 4975	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		

[8] *Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.*
[9] *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.*
[10] *One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.*
[11] *Applies 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) *direct* *indirect*	WATTS (W) *direct OR indirect* *direct AND indirect*	POWER DROPS[9] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	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		

[8] *Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.*
[9] *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.*
[10] *One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.*
[11] *Applies to 0/10V/S drivers (DMX for RGB/RGBW). For additional info on other driver models see your final drawing/submittal.*

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PERFORMANCE & MOUNTING DETAILS — MR3 (CONT.)[8]

RING DIAMETER	OUTPUT TYPE	LUMENS (LM) *direct* *indirect*	WATTS (W) *direct OR indirect* *direct AND indirect*	POWER DROPS[9] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	REMOTE DRIVER BOXES[10] *direct OR indirect* *direct AND indirect* *(Standard Driver)*[11]	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		

[8]Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.
[9]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.
[10]One or more drivers may be enclosed in each Remote Driver Box. See your final drawing/submittal for details.
[11]Applies 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

a. Open the driver enclosure and you'll see a silver sticker that indicates the Power (Wattage).

b. 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.

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.*