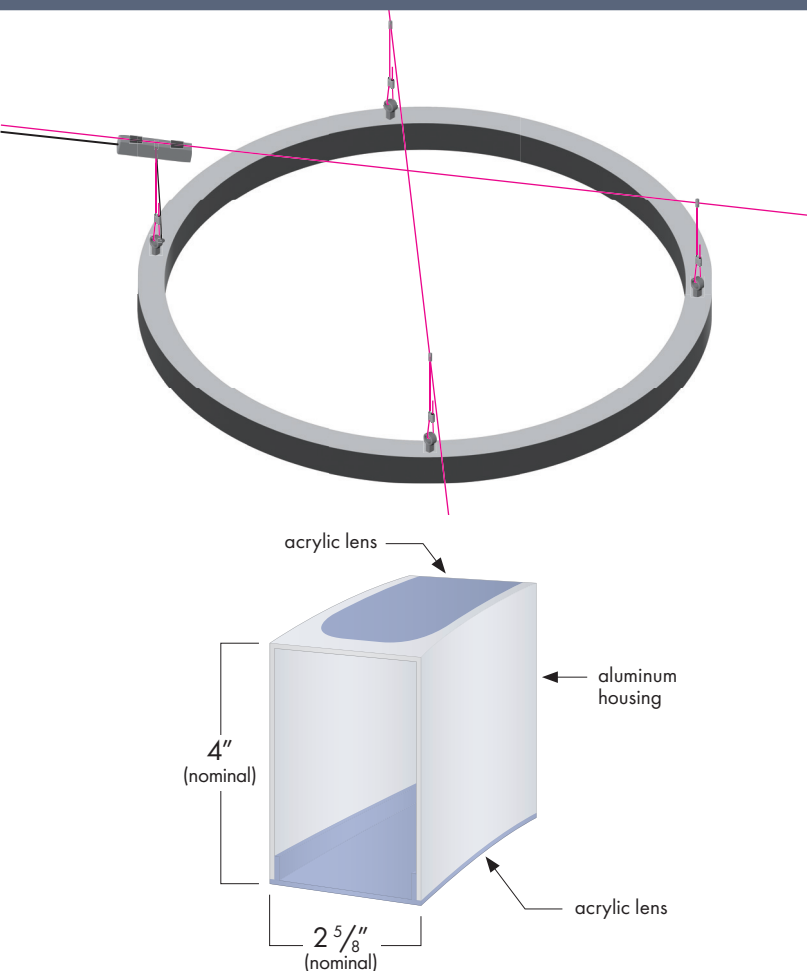# RM42-UP-DN-EXT

Modular Fixture System | Indirect | Direct | Exterior

LUMOS
Architectural Lighting

Café Terrace

EXTERIOR PROFILE WITH MASSIVE CAPABILITIES

acrylic lens

aluminum housing

acrylic lens

4"
(nominal)

2 5/8"
(nominal)

Features

Profile:	2.625"w X 4"h
Output:	85 LPW
Housing:	Extruded and formed aluminum
Lens:	Transmissive, frosted acrylic
Mounting:	Pendant, and catenary
Driver:	IP67
Weight:	3 lb/linear ft
Certification:	Wet listed (for use under canopy)
Warranty:	3-year limited warranty
Photometry:	Third-party photometric report and IES files on the web site

❯ Single circuit only

❯ Continuous rows available

❯ Custom shapes available

❯ RGB+W in standard lumen output range

❯ Catenary mounting option

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Project: _____ Type: _____ Date: _____

Order: _____

Order Guide

Example: MOD-RM42-UP-DN-EXT-RNG-120-MD450LM/MD800LM-830-DIM-SPC10-WHT-WCC

MOD → RM42-UP-DN-EXT → Shape/Dims → Output → LED → Driver → Mounting → Fixture Finish → Canopy | Cord → Options

---

Shape/Dims

SQU square	**24**
RCT rectangle	**36**
HEX hexagon	**48**
TRI triangle	**60**
RNG ring	**72**
	84
	96
DIA diamond	**X"x X"**

OVL* oval
STR* striaght
ARC* arc
FFS* free form shape
PIL* pill
Y* Y shape

*consult factory: RCP, and factory submittal riquired

Output (p.4)

SO standard 375 lm/linear ft

HO high 750 lm/linear ft

MD modify lumens and watts (consult factory)

LED (p.4)

Static White

830	CRI >80	3000°K
835	CRI >80	3500°K
840	CRI >80	4000°K
930	CRI >90	3000°K
935	CRI >90	3500°K
940	CRI >90	4000°K

Red, Green, Blue + White*

RGBW30	RGB+W 3000°K
RGBW35	RGB+W 3500°K
RGBW40	RGB+W 4000°K

*consult for TW, WD & RGB+W

Driver (p.4)

DIM	0-10 V/1%
DIM-.1	0-10 V/.1%
TRC	TRIAC/ ELV
DAL	DALI
DMX	Digital Multiplex (consult factory)

Drivers rated 120-277 VAC

Mounting (p.5-6)

Pendant

SPC* single point canopies w/seismic cable bracing

Closed Shapes

MCC* muti-cable center canopy w/seismic cable bracing

Catenary

CAT catenary mounting

*must be combined with SMC option

Fixture Finish (p.7)

Powder Coat

WHT	matte white
BLK	matte black
ASL	anodized silver
GRY	matte gray (RAL 7035)
RALX	matte RAL color X=code (specify)
CCL	custom color (provide chip)

Wood Grain*

WG1	ash
WG2	teak
WG3	walnut
WG4	zebrawood

Skin*

CFS	carbon fiber

*not available on full exposure exterior applications

Canopy | Cord (p.7)

Powder Coat

Standard	Canopy Color	Cord Color
WCC	white	white
WBC	white	black
BCC	black	black
BWC	black	white
SWC	silver	white
SBC	silver	black
RAL		
RCW	RALX	white
RCB	RALX	black
Custom		
CCW	CCL	white
CCB	CCL	black

Options (p.7)

RMT	remote driver
BBU	remote battery back up with remote driver
RCX*	round corners X = 6", 12" or 18" radius
SMC	seismic cables

*6"min radius, consult factory for submittal

Modified*

MOD indicates a modification to standard spec attributes

standard: RM42-UP-DN-EXT-RNG-96-SO-935-DIM-SPC-BLK-BCC-FPD

modified Lm: **MOD**-RM42-UP-DN-EXT-RNG-120-**MD8550LM**-830-DIM-SPC10-WHT-WCC

***MOD** placed at the begining of an order sequence

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2

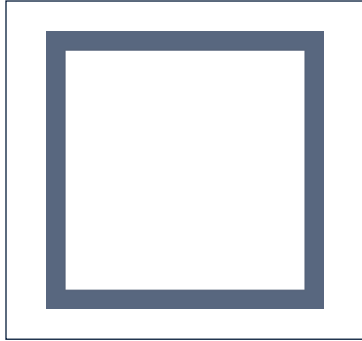## Shape Capabilities

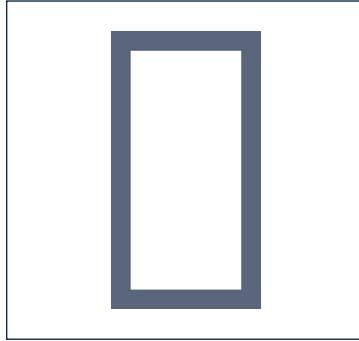Below are the 12 standard shapes we offer in this series.

Required dimensions for each shape in **red**. Consult factory for custom shape options.

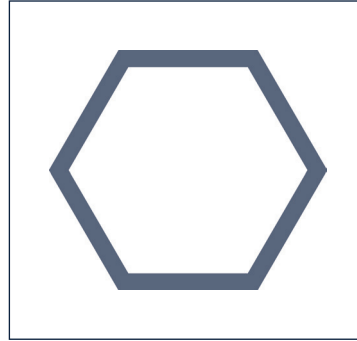Rounded corner '**RC**' option available (see pg7 options)
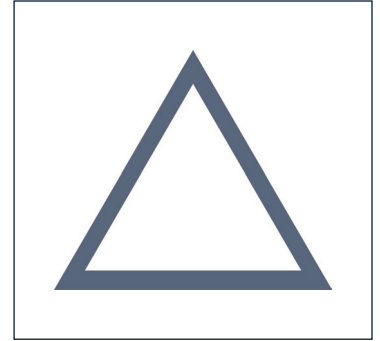

SQU | Square

1 side length

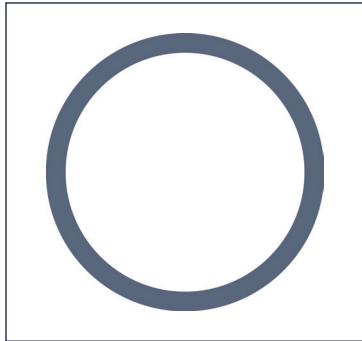
RCT | Rectangle

Length and width

HEX | Hexagon

1 side length or
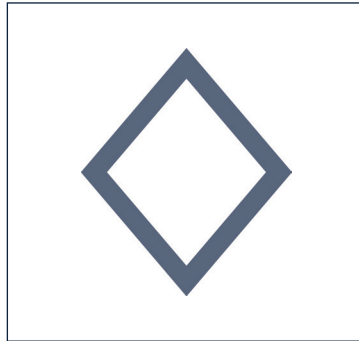corner to corner diameter

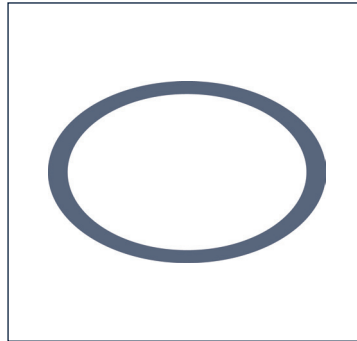**TRI |** Triangle

3 side lengths

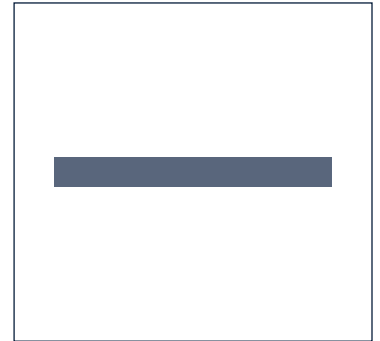

RNG | Ring

Diameter

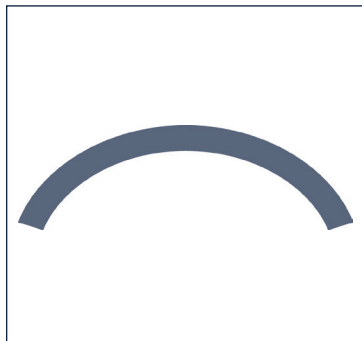**DIA |** Diamond

2 corner to corner diameters

OVL* | Oval

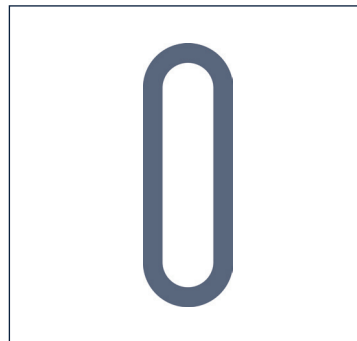Length and width

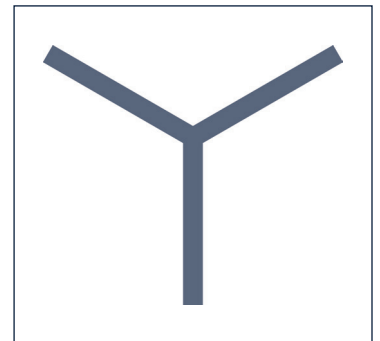**STR* |** Straight

ARC* | Arc

FFS* | Free Form Shape

PIL* | Pill

Y* | Y shape

*Consult factory: RCP, and factory submittal riquired

Drawings not to scale

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LED

IP67 sleeved LEDs

SO Standard output static white LED is equal to the delivered lumens for model listings defined in the table to the right. Standard white LED choices are 3000-4000 °K. Consult factory for additional options within range 2200-6500 °K.

HO High output static white LED is equal to the delivered lumens for model listings defined in the table to the right

MD Modify output within standard range in 5% increments up to 1125 lm/linear ft.

RGBW30 | RGBW35 | RGBW40 RGB + White LED lumen output is the same as static white LED as shown in the table.

(consult factory for RGB+W options)

Fixture ⌀ (in.)	Max Weight	Sections per Ring	Standard Output		High Output	
			Lumens	Watts	Lumens	Watts
24	10 lbs	1	2,355	28	4,710	56
36	15 lbs	1	3,533	42	7,065	84
48	20 lbs	1	4,710	56	9,420	111
60	25 lbs	1	5,888	70	11,775	139
72	30 lbs	1	7,065	84	14,130	167
84	35 lbs	3	8,243	97	16,485	194
96	40 lbs	3	9,420	111	18,840	222
120	50 lbs	6	11,775	139	23,550	277
144	60 lbs	6	14,130	167	28,260	333
168	70 lbs	6	16,485	194	32,970	388
192	80 lbs	8	18,840	222	37,680	444
240	100 lbs	8	23,550	277	47,100	555

Driver

IP67 remote drivers

Drivers are Class 2 constant current, Universal and include two-wire 0 - 10 V dimming, 1-100%.

Delivered lumen output values can be programmed to lower values than shown in 5% increments.

Consult factory for DMX commissioning with RGB+W and for DALI dimming control options.

Remote and backup battery options available (p.7).

120-277 VAC

DIM	0-10 V/1%
DIM.1	0-10 V/.1%
DAL	DALI
DMX	Digital Multiplex (consult factory)

120 VAC

TRC	TRIAC/ ELV

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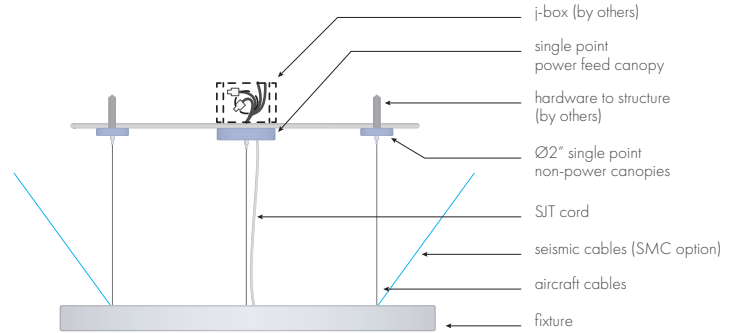## Standard Mounting

SPC (single point canopy) **must be combined with SMC option**

Shapes are suspended with straight, 100" field adjustable aircraft cables individually attached to single point Ø2" non-power canopies and a power feed canopy.

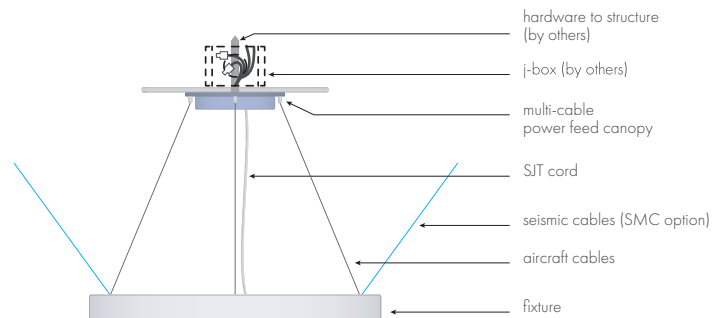Consult factory for custom mounting options

- j-box (by others)
- single point power feed canopy
- hardware to structure (by others)
- Ø2" single point non-power canopies
- SJT cord
- seismic cables (SMC option)
- aircraft cables
- fixture

SPC Standard Mounting Details

Fixture Ø (in.)	Mounting Points	Ø 2" Non-Power Canopy Qty	Standard Output			High Output		
			Power Feed Canopy Qty	Power Feed Canopy Size	Power Cord Qty	Power Feed Canopy Qty	Power Feed Canopy Size	Power Cord Qty
24	3	2	1	5"x .25"	1	1	5"x .25"	1
36	3	2	1	5"x .25"	1	1	5"x .25"	1
48	3	2	1	5"x .25"	1	1	5"x .25"	1
60	3	2	1	5"x .25"	1	1	5"x .25"	1
72	3	2	1	5"x .25"	1	1	5"x .25"	1
84	6	5	1	5"x .25"	1	1	5"x .25"	1
96	6	5	1	5"x .25"	1	1	5"x .25"	1
120	6	5	1	5"x .25"	1	1	5"x .25"	1
144	6	5	1	5"x .25"	1	1	5"x .25"	1
168	6	5	1	5"x .25"	1	1	5"x .25"	1
192	8	7	1	5"x .25"	1	1	5"x .25"	1
240	8	7	1	5"x .25"	1	1	5"x .25"	1

MCC (multi-cable center canopy) **must be combined with SMC option**

Rings are suspended with multiple angled, 100" field adjustable aircraft cables attached to a central power feed canopy. Cable angle should not be greater than 45° (see diagram).

Consult factory for ring diameters greater than 96".

- hardware to structure (by others)
- j-box (by others)
- multi-cable power feed canopy
- SJT cord
- seismic cables (SMC option)
- aircraft cables
- fixture

MCC Standard Mounting Details

Fixture Ø (in.)	AC Cable Qty	Min Hang Hight (over 45°)	Standard Output		High Output	
			Canopy Size	Power Cord Qty	Canopy Size	Power Cord Qty
24	3	3"	5"x .25"	1	5"x .25"	1
36	3	9"	5"x .25"	1	5"x .25"	1
48	3	15"	5"x .25"	1	5"x .25"	1
60	3	21"	9"x1.5"	1	9"x1.5"	1
72	3	27"	9"x1.5"	1	9"x1.5"	1
84	6	33"	9"x1.5"	1	9"x1.5"	1
96	6	39"	13"x 2"	1	13"x 2"	1

Drawings not to scale

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LUMOS
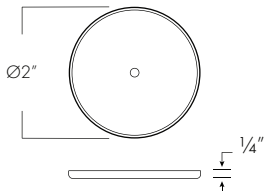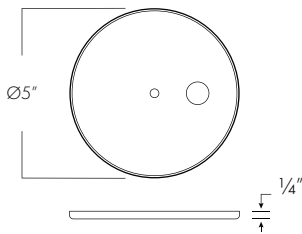Architectural Lighting

CAT (catenary mounting)

Rings are suspended from eye bolts with straight, field adjustable catenary cables individually attached to catenary rigging (by others). Seismic bracing cables are also available. Drivers located remotely wired and mounted to an aluminum plate (enclosure by others).
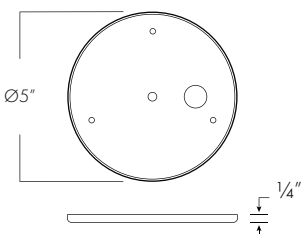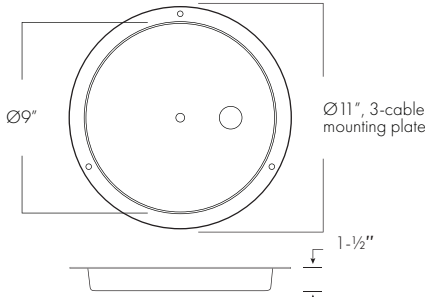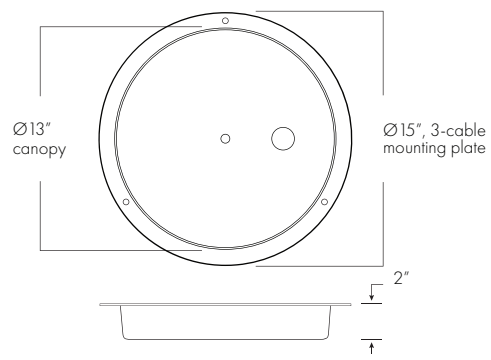
Consult factory for custom mounting options

catenary suspension rigging (by others)

vertical rigging (by Lumos)

eye bolts
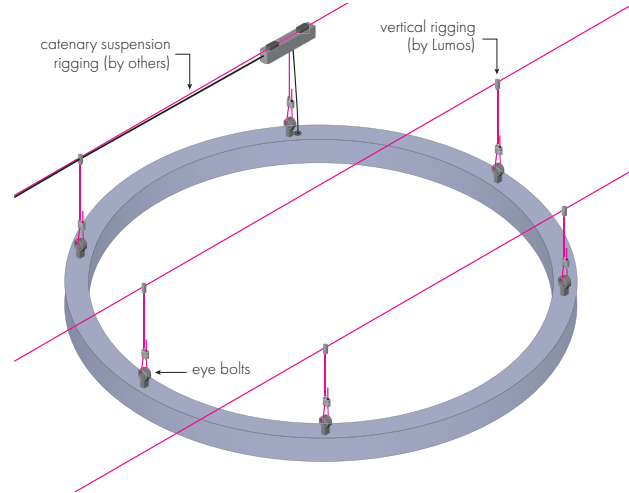
Canopies

SPC (single point canopies)

Non-Power	Power Feed
Ring Ø: 2″-240″	Ring Ø: 2″- 240″

Ø2″

Ø5″

¼″

¼″

MCC (multi-cable center canopies)

Ø5″

Ø9″

Ø11″, 3-cable mounting plate

Ø13″ canopy

Ø15″, 3-cable mounting plate

¼″

1-½″

2″

Power Feed	Power Feed	Power Feed
Ring Ø: 24″- 48″	Ring Ø: 60″- 84″	Ring Ø: 96″- 240″

MCC canopy illustrations are shown with 3-cable mounting plates, please note Ø greater than 72″ will have 6-cable mounting plates.

Drawings not to scale

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Fixture Finish

Powder Coat (standard colors)

WHT	**BLK**	**GRY**	**ASL**
matte white	matte black	matte gray	anodized silver

Powder Coat (color match)

RAL	**CCL**
RAL color (specify code)	custom color (provide chip)

Wood Grain* (covers inner and outer walls)

WG1	**WG2**	**WG3**	**WG4**
ash	teak	walnut	zebrawood

Vinyl Skin* (covers inner and outer walls)

| |
|---|
| **CFS** |
| carbon fiber |

*not available on full exposure exterior applications
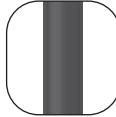
Canopy | Cord Finish

Canopy finish options include powder coat in standard or custom colors. When RAL or custom colors are applied to fixtures, canopies may be custom finished to match. 4-digit RAL color code or color chip must be provided.

While choosing a canopy finish, choose a power cord color.

SJT Cord
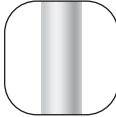
white	black

Standard	Canopy	Cord
WCC	white	white
WBC	white	black
BCC	black	black
BWC	black	white
SWC	silver	white
SBC	silver	black

RAL	Canopy	Cord
RCW	RALX	white
RCB	RALX	black

Custom	Canopy	Cord
CCW	CCL	white
CCB	CCL	black

Match with RAL (**RALX**) or custom color (**CCL**) fixtures

Options

RMT (remote IP67 driver)

Remote driver provided w/IP67 enclosure

BBU

Emergency backup battery is connected to each driver, which operates for 90 minutes. Test switch and LED indicator included. When BBU is selected, batteries and drivers are mounted to an aluminum plate (by Lumos).

DIM, DIM.1, DALI drivers are rated 120-277 VAC; TRIAC/ELV drivers are rated 120 VAC.

RCX (X = radius)

Rounded corners are available in 6, 12 and 18" radius. Consult factory for custom sizes.

SMC

Seismic cables attached between the light fixture (typically large or heavy pendant fixtures) and the building's structural components—like beams or the ceiling deck. Reccomended for areas prone to earthquakes.

Drawings not to scale
Colors shown here are approximations

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