# RP-LUM
## Luminous Ring

**LUMOS**
Architectural Lighting

## FULLY LUMINOUS RING OFFERING SOFT, GLARE FREE ILLUMINATION

shown with luminous wood grain option

aluminum top plate

acrylic lens

5" (nominal)

acrylic lens
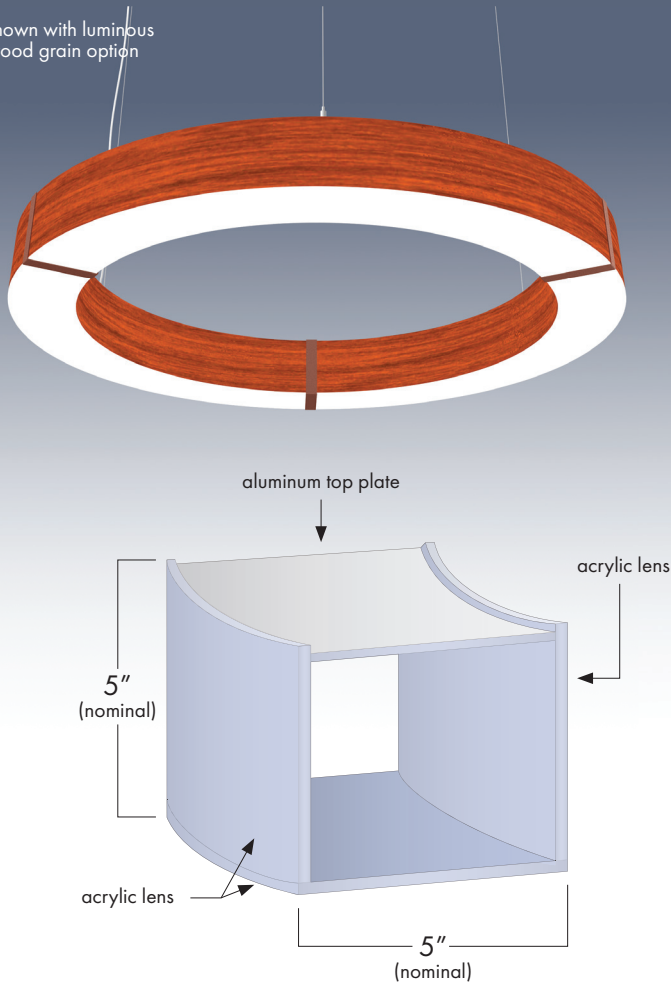
5" (nominal)

## Features

| | |
|---|---|
| **Diameter:** | 24" to 144" (nominal) |
| **Output:** | 115 LPW |
| **Housing:** | Aluminum top plate |
| **Lens:** | Transmissive, frosted acrylic |
| **Mounting:** | Pendant or surface |
| **Driver:** | In canopy or remote |
| **Weight:** | 5 lb/ft (based on Ø) |
| **Certification:** | UL listed for damp location use |
| **Warranty:** | 5-year limited warranty |
| **Photometry:** | Third-party photometric report and IES files on the web site |

➤ Rings up to 72" ship in one piece

➤ Mounting options for multi-ring clusters

➤ RGB+W in standard lumen output range

➤ Acoustic options available

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# RP-LUM
## Luminous Ring

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Architectural Lighting

Project: _____ Type: _____ Date: _____

Order: _____

## Order Guide

| RP-LUM | Ø (in.) | Output | LED | Driver | Mounting | Fixture Finish | Canopy/Cord Finish | Options |

### Ø (in.) | Lumen Output | LED | Driver

**Ø (in.)**

- **24**
- **36**
- **48**
- **60**
- **72**
- **84**
- **96**
- **120**
- **144**

**Lumen Output**

- **SO**   standard 445 lm/linear ft
- **HO**   high 890 lm/linear ft
- **MD**   modify lumens and watts (consult factory)

Example Calculation for
a 48" High Output Ring:
(4' x 3.14) x 890= 11,178 total lumens

**LED**

**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 |

**Dynamic White**

- **TW**   tunable white 2700-6500 °K

**Red, Green, Blue + White**

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

(consult for TW, RGB+W)

**Driver**

**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

### Mounting | Cover Band Finish | Canopy/Cord Finish | Options

**Mounting**

**Pendant**

- **SPC**   single point canopies
- **MCC**   muti-cable center canopy (consult for Ø > 96")
- **MRC**   multi-ring cluster (consult for submittals)

**Surface**

- **SRF**   surface mounted

**Power-over-Cable (PoC)**

- **MCC-POC**   Power-over-Cable with multi-cable center canopy (consult for submittals)

**Cover Band Finish**

**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)

**Canopy/Cord Finish**

**Powder Coat**

| Standard | Canopy Color | Cord Color |
|---|---|---|
| **WCC** | white | white |
| **BCC** | black | black |
| **SCC** | silver | silver |
| **MBC** | white | silver |
| **RAL** | | |
| **RCW** | RALX | white |
| **RCB** | RALX | black |
| **RCS** | RALX | silver |
| **Custom** | | |
| **CCW** | CCL | white |
| **CCB** | CCL | black |
| **CCS** | CCL | silver |

**Options**

- **RMT**   remote driver
- **RMT-BBU**   remote battery backup with remote driver

**Luminous Wood Grain**

- **LWG1**   ash
- **LWG2**   teak
- **LWG3**   walnut
- **LWG4**   zebrawood

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## LED

**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 485 lm/linear ft.

**TW** Tunable White is programmable between 2700-6500 °K

**WD** Warm Dim ranges between 2200-3500 °K

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

(consult factory for MD, TW, WD, and RGB+W options)

| Fixture Ø (in.) | Max Weight | Sections per Ring | Standard Output Lumens | Standard Output Watts | High Output Lumens | High Output Watts |
|---|---|---|---|---|---|---|
| 24 | 11 lbs | 1 | 3,020 | 37 | 5,904 | 74 |
| 36 | 17 lbs | 1 | 4,534 | 56 | 8,856 | 111 |
| 48 | 22 lbs | 1 | 6,062 | 74 | 11,808 | 148 |
| 60 | 28 lbs | 1 | 7,578 | 93 | 14,760 | 185 |
| 72 | 33 lbs | 1 | 9,094 | 111 | 17,712 | 221 |
| 84 | 39 lbs | 3 | 10,609 | 130 | 20,664 | 258 |
| 96 | 44 lbs | 3 | 12,529 | 153 | 24,403 | 305 |
| 120 | 55 lbs | 6 | 15,611 | 192 | 30,504 | 381 |
| 144 | 66 lbs | 6 | 18,793 | 230 | 36,605 | 458 |

## Driver | Voltage

DIM, DIM.1, DALI, DMX drivers are inside canopy, Class 2 constant current, Universal 120-277 VAC and include 0-10V dimming, 1-100%. TRC driver rated 120 VAC.

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, backup battery and emergency circuit are available (p.6).

| **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 |

**SPC Standard Output Mounting Details**

| Fixture Ø (in.) | SPC Points | Ø 2" Non-Power Canopy Count | Ø 5" Power Feed Canopy Count |
|---|---|---|---|
| 24 | 3 | 2 | 1 |
| 36 | 3 | 2 | 1 |
| 48 | 3 | 2 | 1 |
| 60 | 3 | 2 | 1 |
| 72 | 3 | 2 | 1 |
| 84 | 3 | 2 | 1 |
| 96 | 6 | 5 | 1 |
| 120 | 6 | 5 | 1 |
| 144 | 6 | 5 | 1 |

## Standard Mounting

### SPC (single point canopy)

Rings are suspended with straight cables attached to single point Ø2" non-power canopies and a Ø5" power feed canopy. Delivered with 100" adjustable cable(s) standard.

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
- aircraft cables
- fixture

Drawings not to scale

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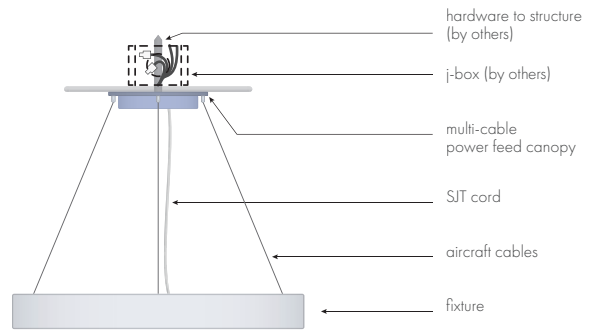303-733-1200 | lumoscustom.com | Specifications are subject to change
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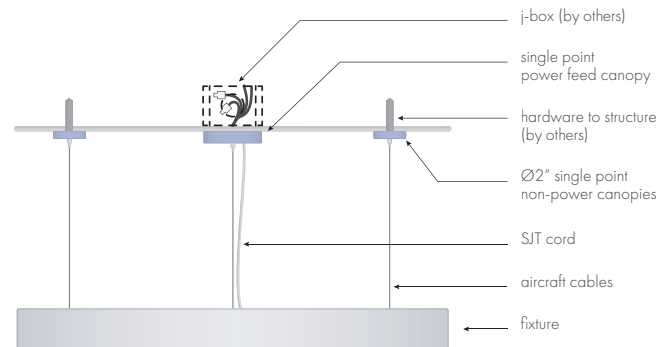
## Standard Mounting

### MCC (multi-cable center canopy)

Angled cables are attached to a central Ø9" power feed canopy. Cable angle should not be greater than 45° (see diagram). Delivered with 100" adjustable cable(s) standard.
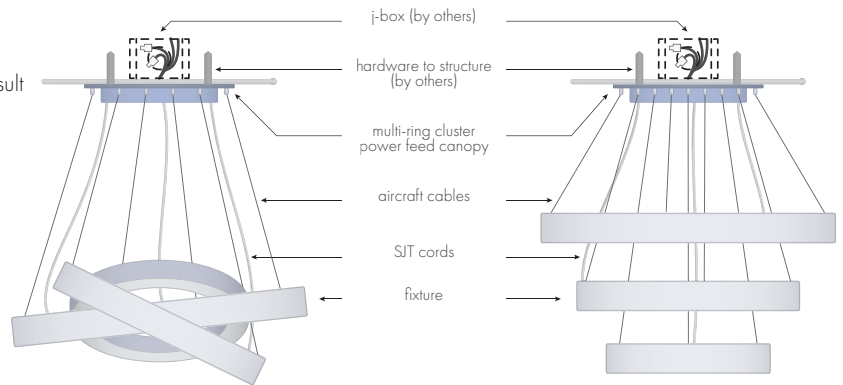
MCC Standard Output Mounting Details

| Fixture Ø (in.) | Cable Count | Canopy Size | Minimum Hang Height (over 45°) |
|---|---|---|---|
| 24 | 3 | 5" | 3" |
| 36 | 3 | 5" | 9" |
| 48 | 3 | 5" | 15" |
| 60 | 3 | 9" | 21" |
| 72 | 3 | 9" | 27" |
| 84 | 3 | 9" | 33" |
| 96 | 6 | 13" | 39" |

hardware to structure (by others)

j-box (by others)

multi-cable power feed canopy

SJT cord

aircraft cables

fixture

### MRC (multiple ring cluster)

Elegant rings dynamically suspend from a central canopy in custom, eye-catching arrangements (MRC options require factory submittals; consult factory.) Field adjustable AC cables allow for on-site angle adjustments. Delivered with 100" adjustable cable(s) standard.

j-box (by others)

hardware to structure (by others)

multi-ring cluster power feed canopy

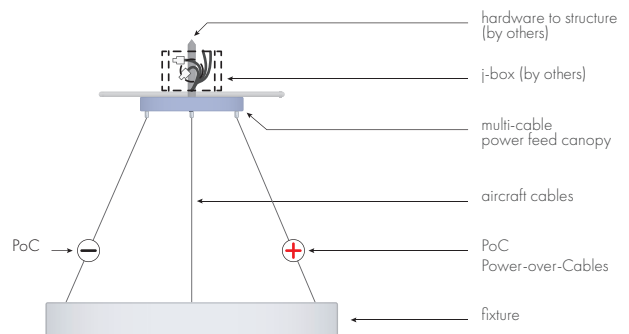aircraft cables

SJT cords

fixture

### MCC-POC (power-over-cable)

We use a powered suspension system to suspend and power Class 2 LED lighting fixtures with a thin cable, providing a refined, modern look without the need for a separate power cord. Delivered with 100" adjustable cable(s) standard.

The number of PoC cables on each ring depends on fixture size and lumen requirements. (consult factory for required submittals)

The diagram to the right illustrates MCC-POC (consult factory for SPC/MRC-POC).

hardware to structure (by others)

j-box (by others)

multi-cable power feed canopy

aircraft cables

PoC ⊖     ⊕ PoC Power-over-Cables

fixture

Drawings not to scale

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## Standard Mounting

### SRF (surface mounted)

Luminaire is fastened flush to mounting structure.



j-box (by others)

hardware to structure (by others)

fixture
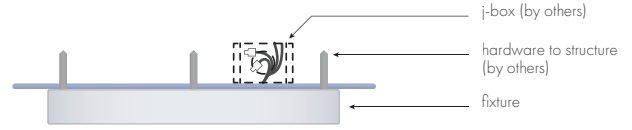
## Canopies

### SPC (Single Point Canopies)

| Non-Power | mounting canopy | Power Feed | drivers inside | Power Feed | drivers inside | Power Feed x2 | drivers inside |
|---|---|---|---|---|---|---|---|
| Ø2″ ¼″ | | Ø9″ 1-½″ | | Ø13″ 2″ | | Ø13″ 2″ | |
| **SO**: Ø 24″-144″ | | **SO**: Ø 24″-72″ | | **SO**: Ø 84″-108″ | | **SO**: Ø 120″-144″ | |
| **HO**: Ø 24″-144″ | | **HO**: Ø 24″-36″ | | **HO**: Ø 48″ | | **HO**: Ø 60″-144″ | |

### MCC (Multi-Cable Center Canopies)

| Power Feed | drivers inside | Power Feed | drivers inside | Power Feed (x2) | drivers inside |
|---|---|---|---|---|---|
| Ø9″ — Ø11″, 3-cable mounting plate 1-½″ | | Ø13″ canopy — Ø15″, 3-cable mounting plate 2″ | | Ø13″ canopy — Ø15″, 3-cable mounting plate 2″ | |
| **SO**: Ø 24″-72″ | | **SO**: Ø 84″-120″ | | **HO**: Ø 72″-120″ | |
| **HO:** Ø 24″-36″ | | **HO**: Ø 48″-60″ | | | |

Drawings not to scale

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**MCC** (multi-cable center canopies)

| Power Feed x2 | drivers inside | Power Feed x2 | drivers inside |
|---|---|---|---|
| Ø13" canopy | Ø15", 3-cable mounting plate / 2" | Ø17" canopy | Ø19", 3-cable mounting plate / 2" |
| **HO**: Ø 60"-120" | | **SO**: Ø 120" | |

**MRC** (Multi-Ring Canopies)

| Multiple Power Feeds | |
|---|---|
| Ø13" canopy — Ø15", 6-cable mounting plate 2 power feeds — 2" | Ø17" canopy — Ø19", 9-cable mounting plate 3 power feeds — 2" |
| drivers inside | |
| Canopy is determined per order specifications; consult our factory for required submittals. | |

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) |
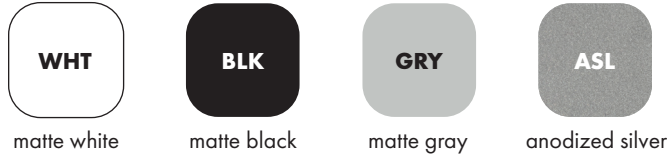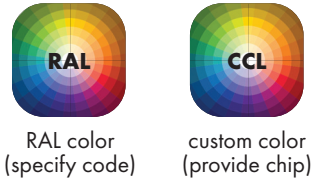
### Wood Grain (covers inner and outer walls)

| WG1 | WG2 | WG3 | WG4 |
|-----|-----|-----|-----|
| ash | teak | walnut | zebrawood |

### Vinyl Skin (covers inner and outer walls)

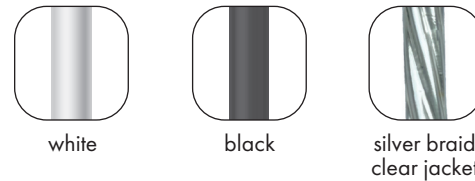| CFS |
|-----|
| carbon fiber |

## 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 | silver braid clear jacket |
|-------|-------|---------------------------|

| Standard | Canopy | Cord | RAL | Canopy | Cord | Custom | Canopy | Cord |
|----------|--------|------|-----|--------|------|--------|--------|------|
| **WCC** | white | white | **RCW** | RALX | white | **CCW** | CCL | white |
| **BCC** | black | black | **RCB** | RALX | black | **CCB** | CCL | black |
| **SCC** | silver | silver | **RCS** | RALX | silver | **CCS** | CCL | silver |
| **MBC** | white | silver | | | | | | |

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

## Options

### RMT (remote driver)

Remote driver is mounted to an aluminum plate (by Lumos) to be placed inside an electrical enclosure (by others).

### RMT-BBU (remote driver battery backup)

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

DIM, DIM.1, DALI drivers are rated 120 VAC.

Drawings not to scale
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## Acoustic Options

Our rings can be transformed into acoustical absorbing luminaires to help reduce sound reflections and reverberations in a room. Design options combine light with acoustical absorbent felt to improve the overall sound quality and appearance of a space. The felt absorbs sound waves, reducing echo and enhancing speech intelligibility, while the light source provides illumination.

Panel



aluminum housing

felt acoustic absorber

acrylic lens
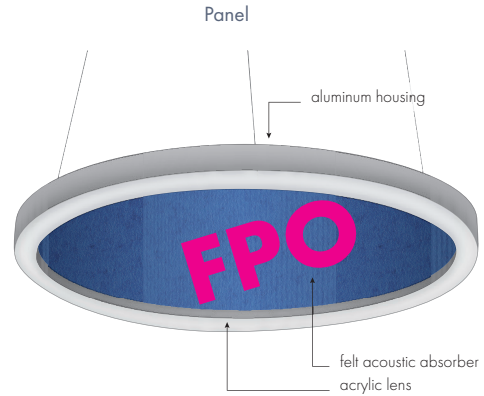
## Panel

Durable ⅜" thick felt panel centered in ring. Made from 60% recycled PET fiber with NRC .30.

Panel absorber can be combined with Skin absorber.

Panel



aluminum housing

⅜"

felt acoustic absorber

acrylic lens

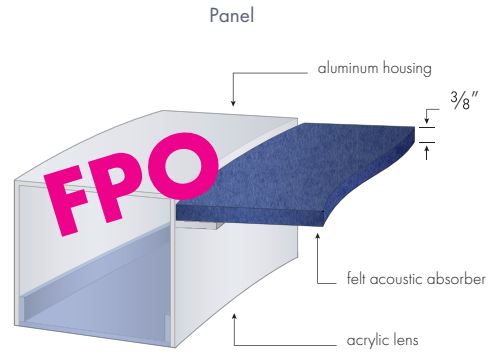| | | |
|---|---|---|
| **FPL** | **FPD** | **FPB** |
| light gray | dark gray | blue |
| **FPG** | **FPY** | **FPR** |
| green | yellow | red |

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