

# RIM ROUNDED SQUARE



PENDANT  
STATIC WHITE



Project: \_\_\_\_\_  
Type: \_\_\_\_\_



## DESCRIPTION

Available in eight standard sizes total, from 36" x 36" to 144" x 144", Rim Rounded Square fixtures (with 12" and 24" rounded corners) are decorative with a sleek profile suitable in any interior environment, especially when combined with general lighting, wall wash, and/or perimeter effects. Rim Rounded Square is equipped with LED arrays illuminating inward from its rounded square housing. Rim Rounded Square fixtures nominal light output ranges from 3500 to 29700 lumens. It is also available with Chromawerx Sola, Duo, and Quadro (consult factory).

Up to 90 lm/W performance

## Order Guide

LUMINAIRE ID	SIZE	CORNER RADIUS	OPTIC		LIGHT SOURCE <sup>3</sup>		CRI
			ULO	SW	SW	90CRI	
<b>RIMRDSP</b> - Rim Rounded Square Pendant	<b>36INX36IN</b> - 36" x 36" <b>48INX48IN</b> - 48" x 48" <b>72INX72IN</b> - 72" x 72" <b>96INX96IN</b> <sup>1</sup> - 96" x 96" <b>144INX144IN</b> <sup>1</sup> - 144" x 144"	<b>R12</b> - 12" radius <b>R24</b> <sup>2</sup> - 24" radius	<b>ULO</b> - Uniform Lambertian Optic	<b>SW</b> - Static white	<sup>3</sup> Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.		<b>90CRI</b> - 90 CRI
<sup>1</sup> Shipped in separate pieces.		<sup>2</sup> Not available with 36" x 36" and 48" x 48".					

LUMEN PACKAGE				COLOR TEMP.	VOLTAGE	REMOTE DRIVER <sup>5</sup>	ELECTRICAL <sup>7</sup>
							<b>1C</b>
R1	Low	Medium	High	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> <sup>4</sup> -347V	<b>D1</b> - 1% 0-10V <b>DA</b> <sup>6</sup> - DALI <b>LDE1</b> <sup>6</sup> - Lutron Hi-Lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> - eldoLED0.1% SOLOdrive 0-10V	<b>1C</b> - 1 circuit  <sup>7</sup> For other circuit configurations, consult factory.
R2	Low	Medium	High		<sup>4</sup> Available with D1 driver only.	<sup>5</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>6</sup> On-site commissioning is required.	
36" x 36"	<b>3500LM</b>	<b>5000LM</b>	<b>6800LM</b>				
48" x 48"	<b>4900LM</b>	<b>7000LM</b>	<b>9500LM</b>				
72" x 72"	<b>7700LM</b>	<b>11000LM</b>	<b>15000LM</b>				
96" x 96"	<b>10500LM</b>	<b>15000LM</b>	<b>20000LM</b>				
144" x 144"	<b>16000LM</b>	<b>23000LM</b>	<b>31000LM</b>				
72" x 72"	<b>7000LM</b>	<b>10000LM</b>	<b>13500LM</b>				
96" x 96"	<b>9800LM</b>	<b>14000LM</b>	<b>19000LM</b>				
144" x 144"	<b>15400LM</b>	<b>22000LM</b>	<b>29700LM</b>				

MOUNTING						FINISH

DRIVER BOX <sup>8</sup>	CANOPY FINISH	POWER	MOUNTING POINTS	MOUNTING CABLE LENGTH <sup>15</sup>		W - Matte white AL - Aluminum B - Matte black CF - Custom finish, specify RAL#
<b>SCD</b> <sup>9,10</sup> - Square canopy driver box <b>RDB</b> <sup>11</sup> - Remote driver box	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF</b> - Custom finish, specify RAL#	<b>POC</b> - Integrated suspension power-over-aircraft cable <b>BAC</b> - Black power cord + aircraft cable <b>WAC</b> - White power cord + aircraft cable	<b>SC</b> <sup>12</sup> - Single canopy <b>MC</b> <sup>13,14</sup> - Multiple canopies	<b>18IN</b> - 18" <b>24IN</b> - 24" <b>36IN</b> - 36" <b>48IN</b> - 48" <b>60IN</b> - 60"	<b>72IN</b> - 72" <b>96IN</b> - 96" <b>120IN</b> - 120" <b>##IN</b> - Specify nominal length in inches	
<sup>8</sup> For more information see page 3. <sup>9</sup> With single canopy option, not available for lumen packages over 6000 lm (3500 lm for Lutron driver options). <sup>10</sup> Not available with 347V. <sup>11</sup> Multiple remote driver boxes may be necessary for lumen packages higher than 10000 lm.			<sup>12</sup> Available up to 72" x 72" only. <sup>13,14</sup> Canopies provided. <sup>14</sup> With the SCD option, the type of each canopy may differ based on the selected lumen package and driver options. Consult factory for details.	<sup>15</sup> For single canopy option the minimum required mounting height are (distance from ceiling to top of fixture in inches):		
				Fixture size	Minimum height	
				36" x 36"	min. 21.5"	
				48" x 48"	min. 28.5"	
				72" x 72"	min. 43"	

[See website for the Pendant Mounting Guide](#)

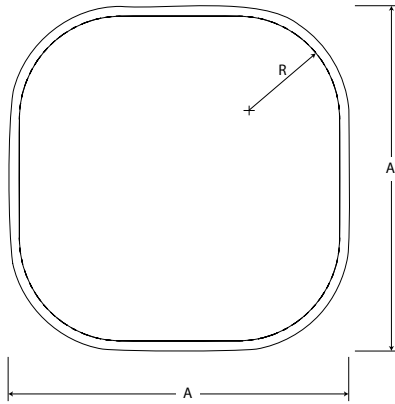


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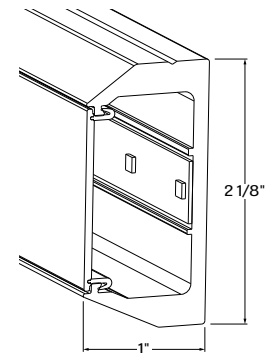
## Dimensions



Rim Rounded Square Pendant

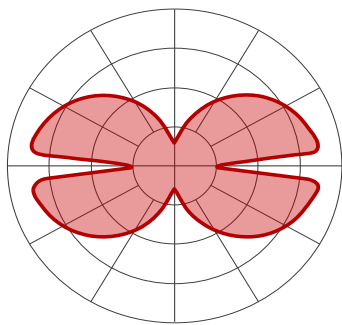
	R	A
36" x 36"	12"	36 5/8"
48" x 48"	12"	48 5/8"
72" x 72"	12"	72 5/8"
96" x 96"	12"	96 5/8"
144" x 144"	12"	144 5/8"
72" x 72"	24"	72 5/8"
96" x 96"	24"	96 5/8"
144" x 144"	24"	144 5/8"

## SECTION VIEW



Rim Rounded Square Pendant

## Photometrics



Delivered lumens at 40K at 90 CRI

### 36" x 36" - 12" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	38.9	3500	90
Medium	57.5	5000	87
High	81	6800	84

### 48" x 48" - 12" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	54.4	4900	90
Medium	80.5	7000	87
High	113.1	9500	84

### 72" x 72" - 12" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	85.6	7700	90
Medium	126.4	11000	87
High	178.6	15000	84

### 96" x 96" - 12" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	116.7	10500	90
Medium	172.4	15000	87
High	238.1	20000	84

### 144" x 144" - 12" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	177.8	16000	90
Medium	264.4	23000	87
High	369	31000	84

### 72" x 72" - 24" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	77.8	7000	90
Medium	114.9	10000	87
High	160.7	13500	84

### Multiplier @ 90 CRI

CCT (K)	Watts	LPW
2700	1.08	0.92
3000	1.05	0.96
3500	1.02	0.98
4000	1.00	1.00

### 96" x 96" - 24" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	108.9	9800	90
Medium	160.9	14000	87
High	226.2	19000	84

### 144" x 144" - 24" radius

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	171.1	15400	90
Medium	252.9	22000	87
High	353.6	29700	84

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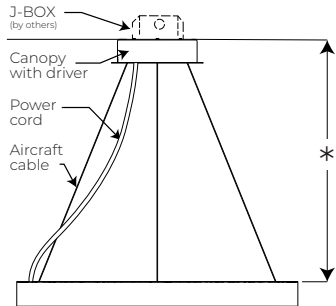
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## Mounting Options

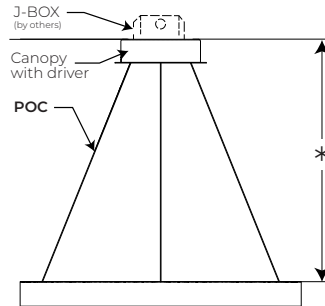
### SCD - SQUARE CANOPY DRIVER BOX

#### SC - SINGLE CANOPY

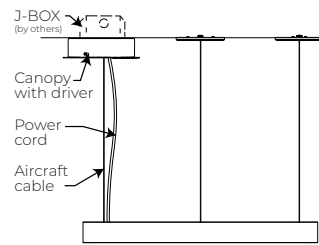
#### MC - MULTIPLE CANOPY



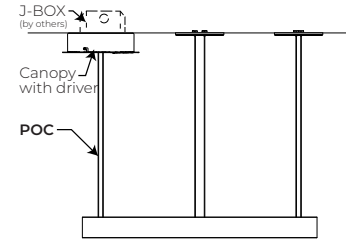
AC - Aircraft cable



POC - Power-over-aircraft cable



AC - Aircraft cable

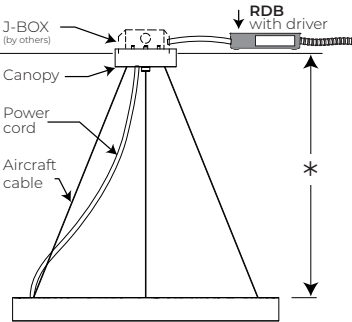


POC - Power-over-aircraft cable

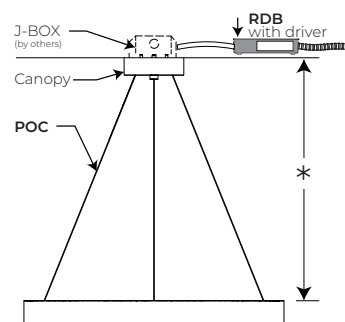
### RDB - REMOTE DRIVER BOX

#### SC - SINGLE CANOPY

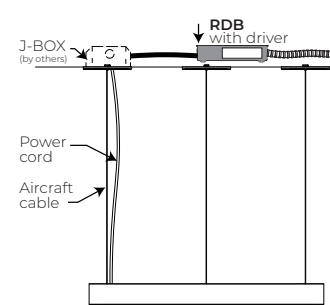
#### MC - MULTIPLE CANOPY



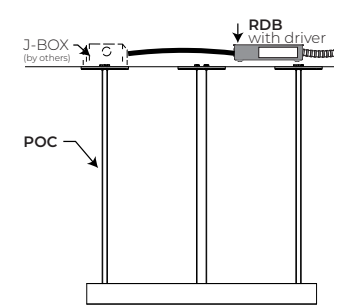
AC - Aircraft cable



POC - Power-over-aircraft cable



AC - Aircraft cable



POC - Power-over-aircraft cable

\*minimum height

For single canopy option, the minimum required mounting heights:

Fixture size	* Minimum height
36" x 36"	min. 21.5"
48" x 48"	min. 28.5"
72" x 72"	min. 43"

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## Technical Specifications

### OPTIC

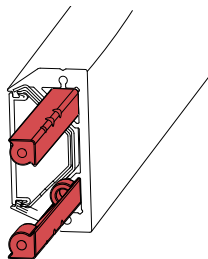
**Uniform Lambertian Optic (ULO)** - Thermoformed from impact-modified white PMMA, the ULO provides even luminosity, with up to 88% transmission. Combined with the LED array running around the inside of the housing, the open form and ULO create a widespread 50% direct and 50% indirect light distribution with spacing criteria of 1.6.

### LIGHT SOURCE

Custom array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K and 4000K with 90 CRI and elevated R9 value. Color consistency is maintained to 3 SDCM. LEDs are operated at a reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and results have shown L80 lumen maintenance are greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

### JOINER

For sizes that are shipped in separate pieces, all sections are joined together on site using pre-installed die cast joiners.



### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume 1% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

### PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), Quadro (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

### FINISH

**Interior** - 95% reflective, matte white powder coating  
**Exterior** - Matte white, matte black or aluminum powder coating. Custom finishes are also available.

### CONSTRUCTION

**Housing** - Rolled and seamlessly welded aluminum extrusion, wide variety of colored powder coating  
**Diffuser** - Uniform Lambertian optic, co-extruded flexible polycarbonate satine finished lens

### WEIGHT

12" radius  
**36" x 36"** - 8.2lbs - 3.7kg  
**48" x 48"** - 11.4lbs - 5.1kg  
**72" x 72"** - 17.8lbs - 8kg  
**96" x 96"** - 24.2lbs - 10.9kg  
**144" x 144"** - 37lbs - 16.7kg

24" radius  
**72" x 72"** - 16.4lbs - 7.4kg  
**96" x 96"** - 22.8lbs - 10.3kg  
**144" x 144"** - 35.6lbs - 16.1kg

### CERTIFICATION

**ETL** - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

### WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.