RIM MULTIPLE SQUARE

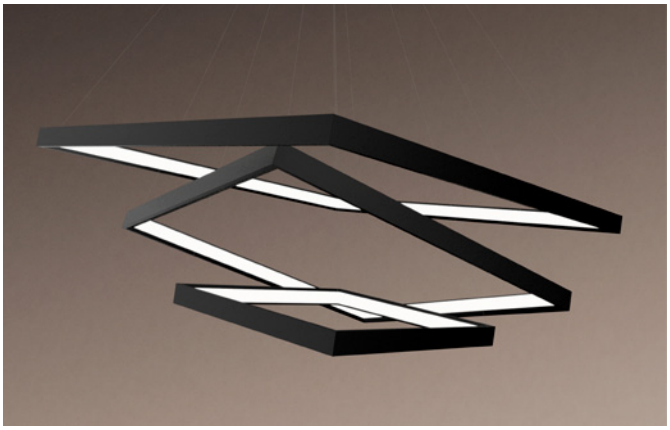
PENDANT
STATIC WHITE

LUMENWERX

5 YEAR WARRANTY

Project: _____

Type: _____



DESCRIPTION

Rim Multiple Square pendants are the result of bringing two or three Rim Square fixtures (from 2' x 2' to 4' x 4' only) together arranged on different planes and sharing one canopy. Rim Square is equipped with LED arrays illuminating inward from its circular housing. Rim Multiple Square fixtures serve as decorative, modern focal points of interior spaces that in some cases may also require general lighting and perhaps a wall wash and/or perimeter effects, as well. It is also available with Chromawerx Sola, Duo, and Quadro (consult factory).

Up to 90 lm/W performance

Order Guide

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE [1]	CRI
RIMMSP		**ULO**	**SW**	**90**
RIMMSP - Rim Multiple Square Pendant	**2 SQUARES** **2+3** - Rim 24" x 24" + Rim 36" x 36" **2+4** - Rim 24" x 24" + Rim 48" x 48" **3+4** - Rim 36" x 36" + Rim 48" x 48"	**ULO** - Uniform Lambertian Optic	**SW** - Static white [1] Chromawerx Sola, Duo and Quadro also available. Consult factory.	**90** - 90 CRI
	3 SQUARES **2+3+4** - Rim 24" x 24" + Rim 36" x 36" + Rim 48" x 48"			

LUMEN PACKAGE (lm)								COLOR TEMP.	VOLTAGE	REMOTE DRIVER [3]	ELECTRICAL [5]
											1C
2 SQUARES				**3 SQUARES**				**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** [2] -347V [2] Available with D1 driver only.	**D1** - 1% 0-10V **DA** [4] - DALI **LTEA2W** - Lutron 1% - 2 wire FP 120V **LDE1** [4] - Lutron Hi-Lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED0.1% SOLOdrive 0-10V [3] PoE (Power-over-Ethernet) compatible. Consult factory for details. [4] On-site commissioning is required.	**1C** - 1 circuit [5] For other circuit configurations, consult factory.
	Low	Med.	High		Low	Med.	High				
2+3	**6500**	**9600**	**12600**	2+3+4	**11700**	**17300**	**22800**				
2+4	**7800**	**11500**	**15200**								
3+4	**9100**	**13500**	**17800**								

MOUNTING					FINISH
RDB			**SC**		

DRIVER BOX [6]	CANOPY FINISH	POWER	MOUNTING POINTS	MOUNTING CABLE LENGTH [8]	FINISH
RDB [7] - Remote driver box [6] For more information see page 3. [7] Multiple remote driver boxes may be necessary for lumen packages higher than 10000 lm.	**W** - White **AL** - Aluminum **B** - Black **CF** - Custom finish, specify RAL#	**POC** - Integrated suspension power-over-aircraft cable **BAC** - Black power cord + aircraft cable **WAC** - White power cord + aircraft cable	**SC** - Single canopy	**18IN** - 18" **24IN** - 24" **36IN** - 36" **48IN** - 48" **60IN** - 60" **72IN** - 72" **96IN** - 96" **120IN** - 120" **##IN** - Specify nominal length in inches [8] Minimum mounting heights are based on the size of the square on top (closest to ceiling) of the stack:	**W** - White **AL** - Aluminum **B** - Black **CF** - Custom finish, specify RAL#

Fixture size	Minimum height
Rim 24 - 24" x 24"	min height 14"
Rim 36 - 36" x 36"	min height 21"
Rim 48 - 48" x 48"	min height 28"

[See website for the Pendant Mounting Guide]

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 931 -4862
www.lumenwerx.com

Intertek

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PoE

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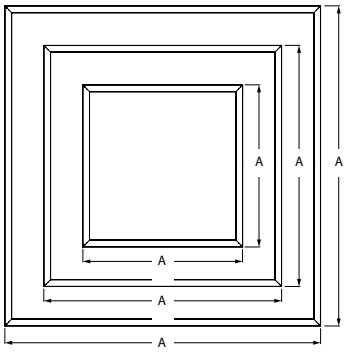
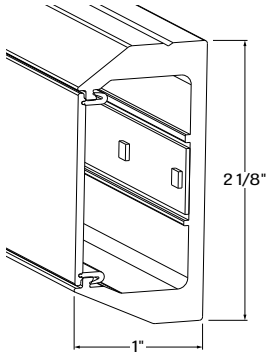
Dimensions



RIMMSP - Rim Multiple Square Pendant

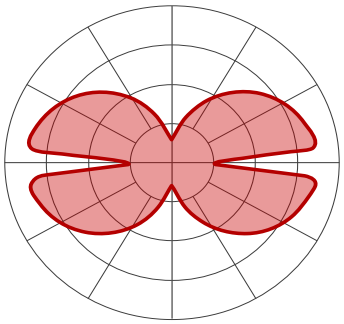
	A
24	24 5/8"
36	36 5/8"
48	48 5/8"

SECTION VIEW



RIMMSP - Rim Multiple Square Pendant

Photometrics



Delivered lumens at 40K at 90 CRI

Multiplier @ CRI90

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

24" x 24"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	28.9	2600	90
Medium	43.7	3800	87
High	59.5	5000	84

36" x 36"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	43.3	3900	90
Medium	66.7	5800	87
High	90.5	7600	84

48" x 48"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	57.8	5200	90
Medium	88.5	7700	87
High	121.4	10200	84

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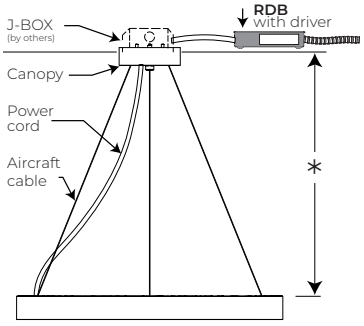
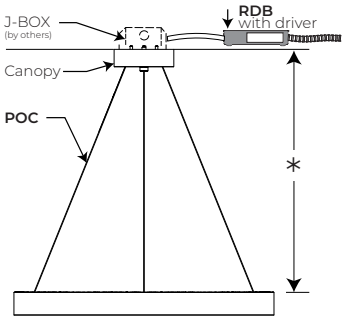
Mounting Options

RDB - REMOTE DRIVER BOX

SC - SINGLE CANOPY





AC - Aircraft cable

POC - Power-over-aircraft cable

*Minimum height

For single canopy option, the minimum required mounting heights:

Fixture size	* Minimum height
Rim 24 - 24" x 24"	min height 14"
Rim 36 - 36" x 36"	min height 21"
Rim 48 - 48" x 48"	min height 28"

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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.

.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% (specify 2-wire, or Ecosystem Dim-to-Off), 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

Rim square 24 - 6.4lbs - 2.9kg
Rim square 36 - 9.6lbs - 4.3kg
Rim square 48 - 12.8lbs - 5.8kg

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.

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