RIM SQUARE

PENDANT
STATIC WHITE

Lumenwerx

Project: _____

_____

Type: _____

Rim Square

Rim Verso Square

DESCRIPTION

Available in six standard sizes, from 12" x 12" to 96" x 96", Rim Square fixtures are decorative with a sleek profile suitable in any interior environment, especially when combined with general lighting, wall wash, and/or perimeter effects. Standard Rim Square is equipped with LED arrays illuminating inward from its square housing. In contrast, Rim Verso Square is equipped with LED arrays illuminating outward from its square housing. Certain smaller Rim Square sizes can be combined (two to three fixtures only) to form Rim Multiple Square luminaires. Similarly, certain smaller Rim Square sizes can be vertically mounted and as such are known as Rim Air Square fixtures. Rim Square nominal light output ranges from 1300 to 20400 lumens. It is also available with Chromawerx Sola, Duo, and Quadro (consult factory).

Up to 95 lm/W performance

Order Guide

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE[2]	CRI	LUMEN PACKAGE				COLOR TEMP	VOLTAGE
		ULO	SW	90CRI						
RIMSP - Rim Square Pendant **RIMVSP** - Rim Verso Square Pendant	**12INX12IN** - 12" x 12" **24INX24IN** - 24" x 24" **36INX36IN** - 36" x 36" **48INX48IN** - 48" x 48" **72INX72IN** - 72" x 72" **96INX96IN** [1] - 96" x 96" [1] Shipped in separate pieces.	**ULO** - Uniform Lambertian Optic	**SW** - Static white [2] Chromawerx SOLA, DUO, and QUADRO also available. Consult other spec sheet.	**90CRI** - 90 CRI	12" x 12" 24" x 24" 36" x 36" 48" x 48" 72" x 72" 96" x 96"	Low **1300LM** **2600LM** **3900LM** **5200LM** **7800LM** **10400LM**	Medium **1900LM** **3800LM** **5800LM** **7700LM** **11500LM** **15400LM**	High **2500LM** **5000LM** **7600LM** **10200LM** **15300LM** **20400LM**	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [3] - 347V [3] Available with D1 driver only.

REMOTE DRIVER [4]	ELECTRICAL [6]	MOUNTING						FINISH
	1C							
D1 - 1% 0-10V **DA** [5] - DALI **LDE1** [5] - Lutron Hi-Lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED0.1% SOLOdrive 0-10V [4] PoE (Power-over-Ethernet) compatible. Consult factory for details. [5] On-site commissioning is required.	**1C** - 1 circuit [6] For other circuit configurations, consult factory.	**DRIVER BOX** [7] **SCD** [8, 9] - Square canopy driver box **RDB** [10] - Remote driver box [7] For more information see page 4. [8] With single canopy option, not available for lumen packages over 6000 lm (3500 lm for Lutron driver options). [9] Not available with 347V. [10] Multiple remote driver boxes may be necessary for lumen packages higher than 10000 lm.	**CANOPY FINISH** **W** - Matte white **AL** - Aluminum **B** - Matte black **CF** - Custom finish, specify RAL#	**POWER** **POC** - Integrated suspension power-over-aircraft cable **BAC** - Black power cord + aircraft cable **WAC** - White power cord + aircraft cable	**MOUNTING POINTS** **SC** [11] - Single canopy **MC** [12, 13] - Multiple canopies [11] Available up to 48" x 48" only. [12] 4 Canopies provided. [13] With the SCD option, the type of each canopy may differ based on the selected lumen package and driver options. Consult factory for details.	**MOUNTING CABLE LENGTH** [14] **18IN** - 18" **24IN** - 24" **36IN** - 36" **48IN** - 48" **60IN** - 60" / **72IN** - 72" **96IN** - 96" **120IN** - 120" **##IN** - Specify nominal length in inches [14] For single canopy option the minimum required mounting height are (distance from ceiling to top of fixture in inches):		**W** - Matte white **AL** - Aluminum **B** - Matte black **CF** - Custom finish, specify RAL#

Fixture size	Minimum height
12" x 12"	min. 7"
24" x 24"	min. 15"
36" x 36"	min. 22"
48" x 48"	min. 29"

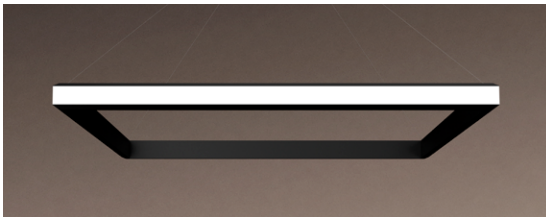[See website for the Pendant Mounting Guide](#)

ETL Intertek

PoE Power over Ethernet

RIM SQUARE

PENDANT
STATIC WHITE

Lumenwerx

Dimensions
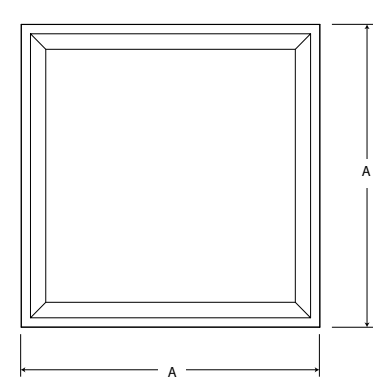
SECTION VIEW

	A	
	SQUARE	VERSO
12" x 12"	12 5/8"	12"
24" x 24"	24 5/8"	24"
36" x 36"	36 5/8"	36"
48" x 48"	48 5/8"	48"
72" x 72"	72 5/8"	72"
96" x 96"	96 5/8"	96"

2 1/8"

1"

RIMSP - Rim Square Pendant

2 1/8"

1"
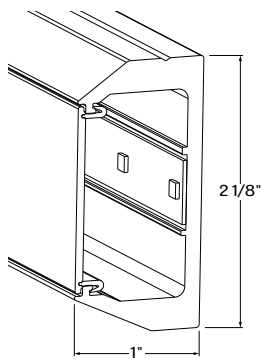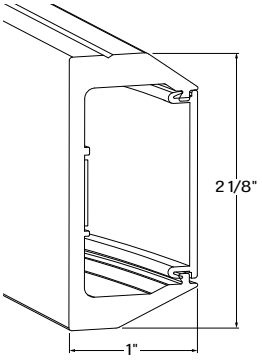
RIMVSP - Rim Verso Square Pendant

RIM SQUARE

PENDANT
STATIC WHITE
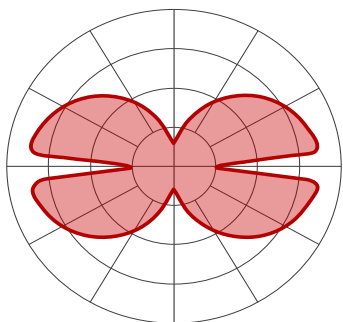
Lumenwerx

Photometrics

RIMSP - RIM SQUARE PENDANT

Delivered lumens at 40K at 90 CRI

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

12" x 12"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	14.4	1300	90
Medium	21.8	1900	87
High	29.8	2500	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

72" x 72"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	86.7	7800	90
Medium	132.2	11500	87
High	182.1	15300	84

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

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

96" x 96"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	115.6	10400	90
Medium	177	15400	87
High	242.9	20400	84

RIMVSP - RIM VERSO SQUARE PENDANT
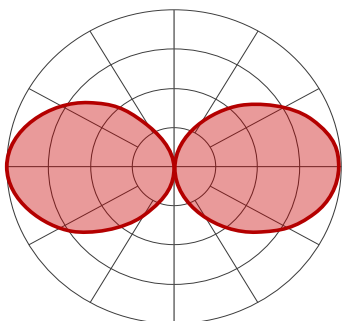
Delivered lumens at 40K at 90 CRI

12" x 12"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	13.7	1300	95
Medium	20.8	1900	91
High	28.2	2500	88

36" x 36"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	41.1	3900	95
Medium	63.5	5800	91
High	86	7600	88

72" x 72"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	82.3	7800	95
Medium	125.9	11500	91
High	173.3	15300	88

24" x 24"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	27.4	2600	95
Medium	41.6	3800	91
High	56.5	5000	88

48" x 48"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	54.7	5200	95
Medium	84.3	7700	91
High	115.5	10200	88

PoE
Power over Ethernet

RIM SQUARE
PENDANT
STATIC WHITE

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
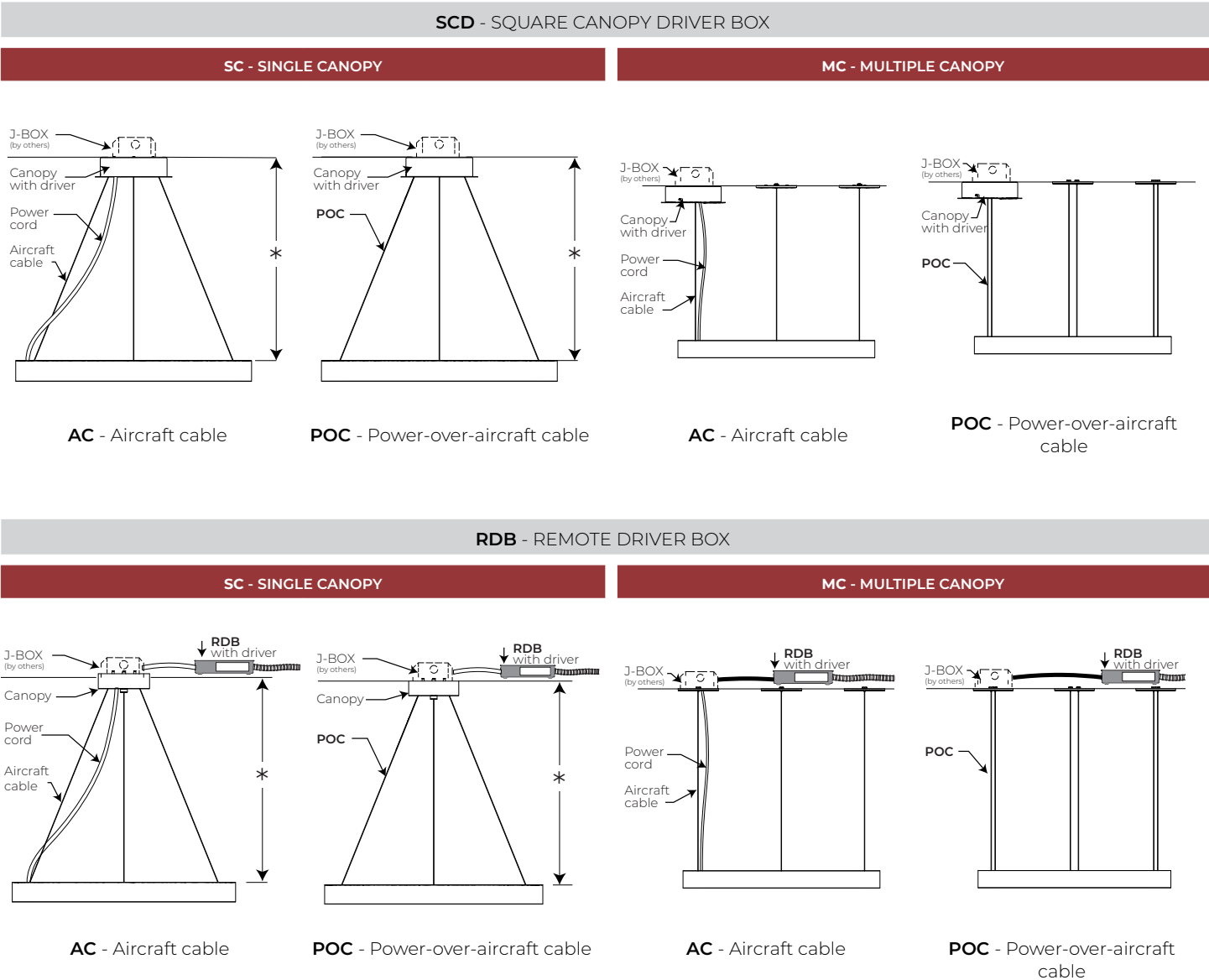
*minimum height

For single canopy option, the minimum required mounting heights:

Fixture size	* Minimum height
12" x 12"	min. 7"
24" x 24"	min. 15"
36" x 36"	min. 22"
48" x 48"	min. 29"

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

Lumenwerx reserves the right to modify
product specifications without notification.
© Lumenwerx, ULC. All rights reserved.
RIM-SQUARE-PENDANT-SPEC-REV6   August 23, 2024

RIM SQUARE

PENDANT
STATIC WHITE

Lumenwerx

## 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.
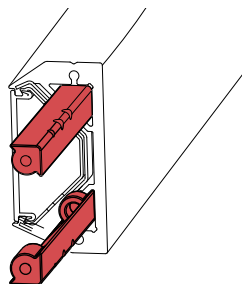
ELECTRICAL

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" x 12" - 3.2lbs - 1.4kg
24" x 24" - 6.4lbs - 2.9kg
36" x 36" - 9.6lbs - 4.3kg
48" x 48" - 12.8lbs - 5.8kg
72" x 72" - 19.2lbs - 8.7kg
96" x 96" - 25.6lbs - 11.6kg

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.

cETLus
Intertek

PoE