

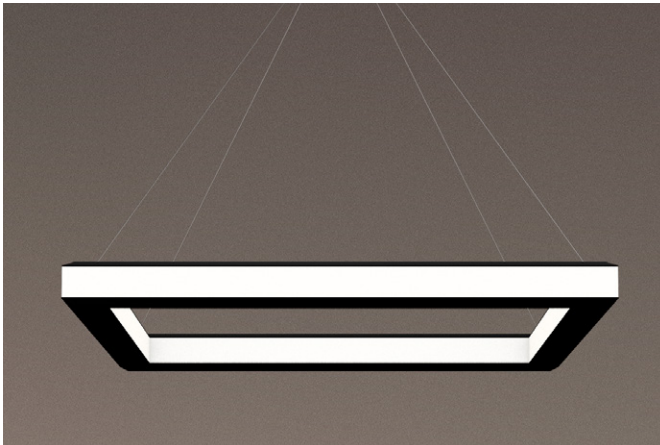
ELIA SQUARE

PENDANT
STATIC WHITE



Project: _____

Type: _____



DESCRIPTION

Available in six standard sizes, from 1' x 1' to 8' x 8', Elia Square fixtures are decorative with a sleek profile suitable in any interior environment. Elia Square is equipped with LED arrays illuminating inward and outward from its square housing. It is also available with Chromawerx SOLA, DUO, and QUADRO.



Order Guide

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE ²	CRI	LUMEN PACKAGE				COLOR TEMP.	VOLTAGE
ELISP		ULO	SW	90CRI						
ELISP - Elia Square Pendant	12INX12IN - 12" X 12"	ULO - Uniform Lambertian Optic	SW - Static white ² Chromawerx SOLA, DUO and QUADRO also available. Consult factory for details.	90CRI - 90+ CRI	12" X 12"	Low	Medium	High	27K - 2700K	120V - 120V
	24INX24IN - 24" X 24"				3800LM	5000LM	6300LM	30K - 3000K	277V - 277V	
	36INX36IN - 36" X 36"				5800LM	7600LM	9500LM	35K - 3500K	UNV - 120V-277V	
	48INX48IN - 48" X 48"				7700LM	10200LM	12800LM	40K - 4000K	347V ³ - 347V	
	72INX72IN - 72" X 72"				11500LM	15300LM	19100LM			
	96INX96IN ¹ - 96" X 96"				15400LM	20400LM	25500LM			
	¹ Shipped in separate pieces.									³ Available with D1 RDB only.

DRIVER ⁴	ELECTRICAL ⁶	MOUNTING				FINISH		
	1C							
<div>D1 - 1% 0-10V</div> <div>DA⁵ - DALI</div> <div>LDE1 ⁵ - Lutron Hi-Lume 1% Eco</div> <div>ELD1 - eldoLED 1% ECOdrive 0-10V</div> <div>ELDO - eldoLED0.1% SOLOdrive 0-10V</div> <div>⁴PoE (Power-over-Ethernet) compatible. Consult factory for details.</div> <div>⁵On-site commissioning is required.</div>	<div>1C - 1 circuit</div> <div>⁶For other circuit configurations, consult factory.</div>	<div>DRIVER BOX ⁷</div> <div>SCD ⁸ - Square canopy driver box</div> <div>RDB⁹ - Remote driver box</div> <div>⁷For more information see page 3.</div> <div>⁸Not available with 347V.</div> <div>⁹Multiple remote driver boxes may be necessary for lumen packages higher than 10000 lm</div>	<div>CANOPY FINISH</div> <div>W - Matte white</div> <div>AL - Aluminum</div> <div>B - Matte black</div> <div>CF - Custom finish, specify RAL#</div>	<div>POWER</div> <div>POC - Integrated suspension power-over-aircraft cable</div> <div>BAC - Black power cord + aircraft cable</div> <div>WAC - White power cord + aircraft cable</div>	<div>MOUNTING POINTS</div> <div>SC^{10,11} - Single canopy</div> <div>MC ^{12,13} - Multiple canopies</div> <div>¹⁰Available up to Elia 48 only.</div> <div>¹¹Available up to 6000 lm only (or 3500 lm with Lutron drivers) when specified with the SCD option.</div> <div>¹²4 canopies provided.</div> <div>¹³With the SCD option, the type of each canopy may differ based on the selected lumen package and driver options. Consult factory for details.</div>	<div>MOUNTING CABLE LENGTH ¹⁴</div> <div>18IN - 18"</div> <div>24IN - 24"</div> <div>36IN - 36"</div> <div>48IN - 48"</div> <div>60IN - 60"</div> <div>¹⁴For single canopy option the minimum required mounting height are (distance from ceiling to top of fixture in inches):</div> <div><div>Fixture size</div><div>Minimum height</div></div> <div>12" X 12"</div> <div>24" X 24"</div> <div>36" X 36"</div> <div>48" X 48"</div> <div>72IN - 72"</div> <div>96IN - 96"</div> <div>120IN - 120"</div> <div>##IN - Specify nominal length in inches</div> <div>min. 7"</div> <div>min. 15"</div> <div>min. 22"</div> <div>min. 29"</div>		
		<div>W - Matte white</div> <div>AL - Aluminum</div> <div>B - Matte black</div> <div>CF - Custom finish, specify RAL#</div>						
		<div>See website for the Pendant Mounting Guide</div>						

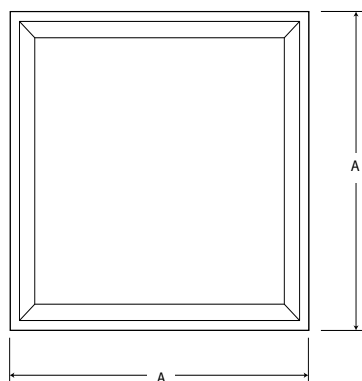
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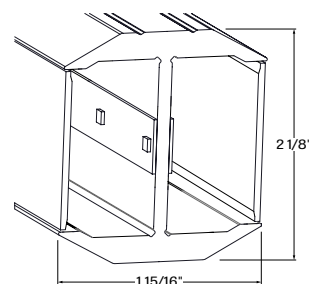
Dimensions

SECTION VIEW



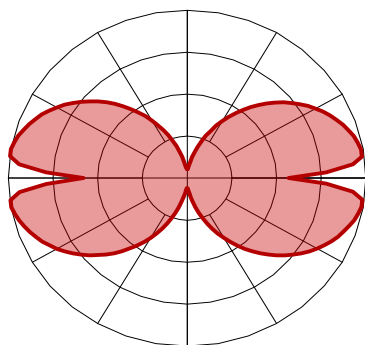
ELISP - Elia Square Pendant

A	
	SQUARE
12" X 12"	14 7/16"
24" X 24"	26 7/16"
36" X 36"	38 7/16"
48" X 48"	50 7/16"
72" X 72"	74 7/16"
96" X 96"	98 7/16"



ELISP - Elia Square Pendant

Photometrics



Delivered lumens at 4000K at 90+ CRI

Multiplier @ 90+ CRI

CCT	WATTS	LPW
2700K	1.08	0.92
3000K	1.05	0.96
3500K	1.02	0.98
4000K	1.00	1.00

12" X 12"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	21.8	1900	87
Medium	29.8	2500	84
High	38.2	3100	81

24" X 24"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	43.7	3800	87
Medium	59.5	5000	84
High	77.7	6300	81

36" X 36"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	66.7	5800	87
Medium	90.5	7600	84
High	117.3	9500	81

48" X 48"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	88.5	7700	87
Medium	121.4	10200	84
High	158	12800	81

72" X 72"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	132.2	11500	87
Medium	182.1	15300	84
High	235.8	19100	81

96" X 96"

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	177	15400	90
Medium	242.9	20400	87
High	314.8	25500	84

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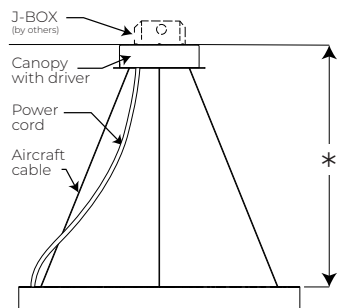


Mounting Options

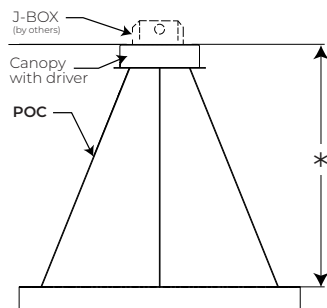
SCD - SQUARE CANOPY DRIVER BOX

SC - SINGLE CANOPY

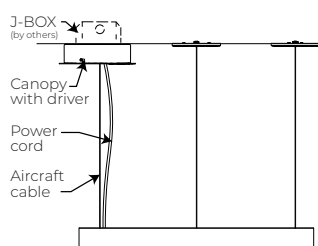
MC - MULTIPLE CANOPY



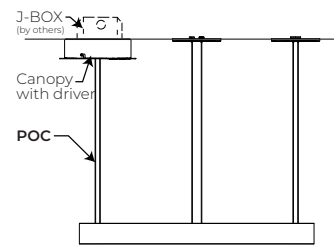
AC - Aircraft cable



POC - Power-over-aircraft cable



AC - Aircraft cable

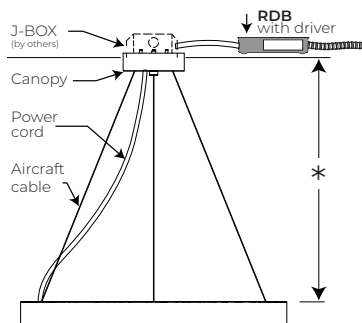


POC - Power-over-aircraft cable

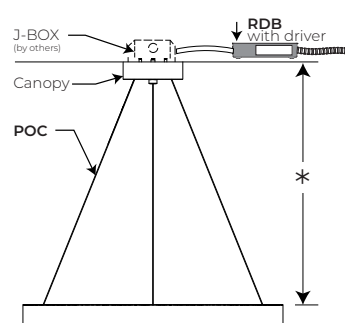
RDB - REMOTE DRIVER BOX

SC - SINGLE CANOPY

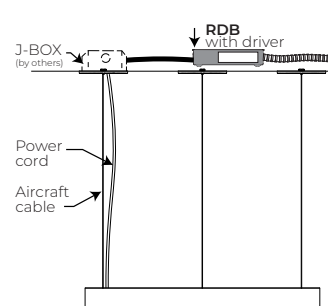
MC - MULTIPLE CANOPY



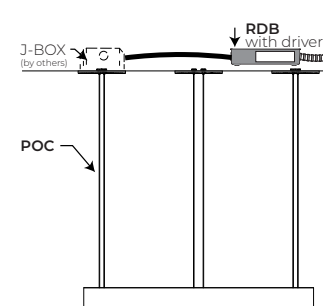
AC - Aircraft cable



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
Elia 12 - 12" x 12"	min 7"
Elia 24 - 24" x 24"	min 15"
Elia 36 - 36" x 36"	min 22"
Elia 48 - 48" x 48"	min 29"

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Technical Specifications

OPTIC

Uniform Lambertian Optic (ULO)

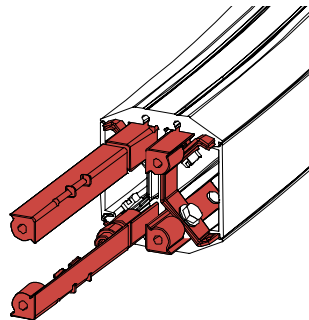
Thermoformed from impact-modified white PMMA, the ULO provides even luminosity, with up to 88% transmission. Combined with the LED array running around the inside of the housing, the open form and ULO create a widespread 50% inward and 50% outward light distribution with spacing criteria of 1.6.

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": 6.4lbs - 2.8kg

24" X 24": 12.8lbs - 5.8kg

36" X 36": 19.2lbs - 8.6kg

48" X 48": 25.6lbs - 11.6kg

72" X 72": 38.4lbs - 17.4kg

96" X 96": 51.2lbs - 23.2kg

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.