

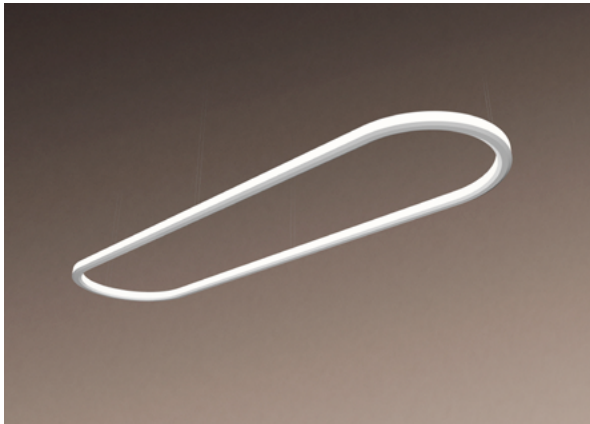
# ELIA OVAL

PENDANT  
STATIC WHITE

# LUMENWERX

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

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



## DESCRIPTION

Available in eight standard sizes, from 2' x 6' to 4' x 12', Elia Oval fixtures are decorative with a sleek profile suitable in any interior environment. Elia Oval is equipped with LED arrays illuminating inward and outward from its oval housing. It is also available with Chromawerx Sola, Duo, and Quadro.



## Order Guide

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE <sup>1</sup>	CRI	LUMEN PACKAGE (lm)			COLOR TEMP.	VOLTAGE	
<b>ELIOP</b>		<b>ULO</b>	<b>SW</b>	<b>90</b>						
<b>ELIOP</b> - Elia Oval Pendant	<b>26</b> - 2' diameter x 6' length <b>28</b> - 2' diameter x 8' length <b>212</b> - 2' diameter x 12' length <b>36</b> - 3' diameter x 6' length <b>38</b> - 3' diameter x 8' length <b>312</b> - 3' diameter x 12' length <b>48</b> - 4' diameter x 8' length <b>412</b> - 4' diameter x 12' length	<b>ULO</b> - Uniform Lambertian Optic	<b>SW</b> - Static white  <sup>1</sup> Chromawerx Sola, Duo and Quadro also available. Consult factory for details.	<b>90</b> - 90CRI	26	Low <b>6200</b>	Medium <b>9100</b>	High <b>11400</b>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K	<b>120</b> - 120V <b>277</b> - 277V <b>UNV</b> - 120V-277V <b>347</b> <sup>2</sup> - 347V
					28	<b>8800</b>	<b>11600</b>	<b>14500</b>		
					212	<b>12600</b>	<b>16700</b>	<b>20900</b>		
					36	<b>7400</b>	<b>9800</b>	<b>12250</b>		
					38	<b>9300</b>	<b>12400</b>	<b>15500</b>		
					312	<b>13200</b>	<b>17400</b>	<b>21750</b>		
					48	<b>9900</b>	<b>13100</b>	<b>16400</b>		
					412	<b>13700</b>	<b>18200</b>	<b>22750</b>		

<sup>2</sup>Available with DT RDB only.

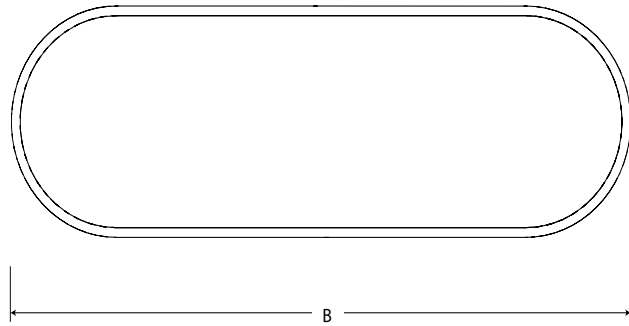
DRIVER <sup>3</sup>	ELECTRICAL <sup>5</sup>	MOUNTING			FINISH		
	<b>1C</b>			<b>MC</b>			
<b>DI</b> - 1% 0-10V <b>DA</b> <sup>4</sup> - DALI <b>LTEA2W</b> - Lutron 1% - 2 wire FP 120V <b>LDE1</b> <sup>4</sup> - Lutron Hi-Lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> - eldoLED0.1% SOLOdrive 0-10V  <sup>3</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>4</sup> On-site commissioning is required.	<b>1C</b> - 1 circuit  <sup>5</sup> For other circuit configurations, consult factory.	<b>DRIVER BOX</b> <sup>6</sup> <b>RCD</b> <sup>7</sup> - Round canopy driver box <b>RDB</b> <sup>8</sup> - Remote driver box  <sup>6</sup> For more information see page 3. <sup>7</sup> Not available with 347V. <sup>8</sup> Multiple remote driver boxes may be necessary for lumen packages higher than 10000 lm.	<b>CANOPY FINISH</b> <b>W</b> - White <b>AL</b> - Aluminum <b>B</b> - Black <b>CF</b> - Custom finish, specify RAL#	<b>POWER</b> <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>MOUNTING POINTS</b> <b>MC</b> <sup>9,10</sup> - Multiple canopies  <sup>9</sup> 4 canopies provided <sup>10</sup> With the RCD options, the type of each canopy may differ based on the selected lumen package and driver options. Consult factory for details.	<b>MOUNTING CABLE LENGTH</b> <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	<b>W</b> - White <b>AL</b> - Aluminum <b>B</b> - Black <b>CF</b> - Custom finish, specify RAL#
<a href="#">See website for the Pendant Mounting Guide</a>							

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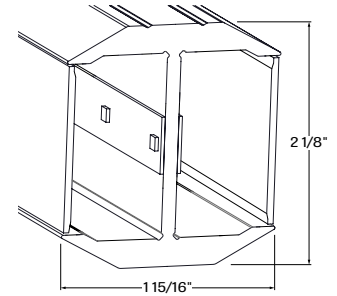
# LUMENWERX

## Dimensions



	A diameter	B length
26	26 1/2"	74 1/2"
28	26 1/2"	98 1/2"
212	26 1/2"	146 1/2"
36	38 1/2"	74 1/2"
38	38 1/2"	98 1/2"
312	38 1/2"	146 1/2"
48	50 1/2"	98 1/2"
412	50 1/2"	146 1/2"

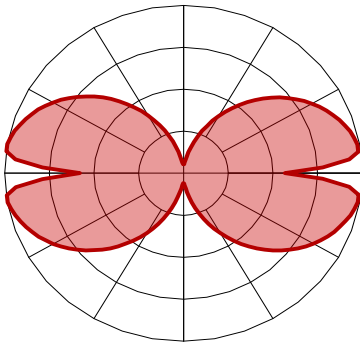
## SECTION VIEW



ELIOP - Elia Oval Pendant

ELIOP - Elia Oval Pendant

## Photometrics



Delivered lumens at 40K at 90 CRI

### 26 - 2' x 6'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	71.2	6200	87
Medium	108.3	9100	84
High	140.6	11400	81

### 212 - 2' x 12'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	144.8	12600	87
Medium	198.8	16700	84
High	258	20900	81

### 38 - 3' x 8'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	106.9	9300	87
Medium	147.6	12400	84
High	191.4	15500	81

### 48 - 4' x 8'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	113.8	9900	87
Medium	156	13100	84
High	202.5	16400	81

### 28 - 2' x 8'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	101.1	8800	87
Medium	138	11600	84
High	179	14500	81

### 36 - 3' x 6'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	85	7400	87
Medium	116.7	9800	84
High	151.2	12250	81

### 312 - 3' x 12'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	151.7	13200	87
Medium	207.1	17400	84
High	268.4	21750	81

### 412 - 4' x 12'

LED output	WATTS	NOMINAL DELIVERED LUMENS	LPW
Low	157.5	13700	87
Medium	216.7	18200	84
High	280.9	22750	81

### 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

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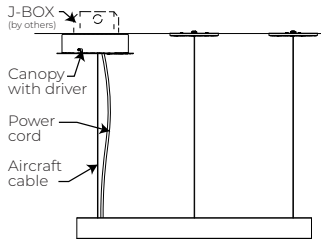
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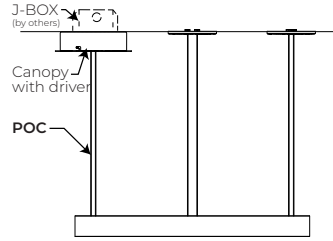
## Mounting Options

### RCD - ROUND CANOPY DRIVER BOX

#### MC - MULTIPLE CANOPY



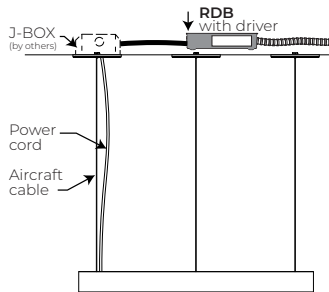
AC - Aircraft cable



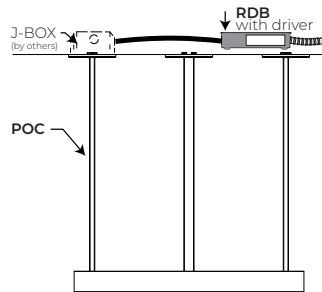
POC - Power-over-aircraft cable

### RDB - REMOTE DRIVER BOX

#### MC - MULTIPLE CANOPY



AC - Aircraft cable



POC - Power-over-aircraft cable

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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 - LED

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.

# LUMENWERX

### 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

**Elia Oval 26** - 22.8lbs - 10.2kg

**Elia Oval 28** - 29.2lbs - 13.2kg

**Elia Oval 212** - 42lbs - 19kg

**Elia Oval 36** - 24.6lbs - 11kg

**Elia Oval 38** - 30lbs - 13.6kg

**Elia Oval 312** - 43.8lbs - 19.8kg

**Elia Oval 48** - 32.8lbs - 14.8kg

**Elia Oval 412** - 45.8lbs - 20.6kg

### CERTIFICATIONS

**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.