

# CURVIA 2

RING

PENDANT - RECESSED - SURFACE



Declare.



Our extensive Curvia family illuminates with elegant curvilinear shapes and patterns, enhancing spaces with a soft touch and a graceful sense of movement. Available in various mounting options and sizes, Curvia luminaires feature a unique, sophisticated aesthetic that complements their technical prowess in delivering precise, powerful, and comfortable lighting solutions.

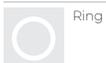
**SENSORS**  
For latest information on sensors, click [here](#).



Curvia Additions Brochure

## Curvia Family (Refer to other spec sheets)

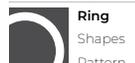
Curvia Mini  
1"



Curvia Prism  
2"



Curvia  
2", 3", 4"



Curvia XYZ  
2", 3"



Curvia Horizon  
2", 3"



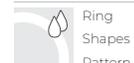
Curvia Perimeter  
2", 3", 4", 5"



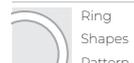
Curvia Seal Perimeter  
2", 3", 4"



Curvia Seal  
2", 3", 4"



Curvia Acoustix  
2"



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

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

## Order Guide

LUMINAIRE ID	DISTRIBUTION	SIZE <sup>2</sup>		DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture
<b>CURV2RIP</b> - Curvia 2" Ring Pendant <b>CURV2RIR</b> - Curvia 2" Ring Recessed <b>CURV2RIS</b> - Curvia 2" Ring Surface	<b>DI</b> <sup>1</sup> - Direct/Indirect <b>D</b> - Direct  <sup>1</sup> Available for pendant mounting only.	<b>2FT</b> - Ø 2' <b>3FT</b> - Ø 3' <b>4FT</b> - Ø 4' <b>5FT</b> - Ø 5' <b>6FT</b> - Ø 6'  <sup>2</sup> Ø 8' and over will be shipped in separate pieces. <sup>3</sup> Minimum Ø 2'.	<b>8FT</b> - Ø 8' <b>10FT</b> - Ø 10' <b>12FT</b> - Ø 12' <b>#FT</b> <sup>3</sup> - Custom, specify diameter (#)	<b>HLO</b> - High-Efficiency Lambertian Optic <b>AOO</b> <sup>4</sup> - Asymmetric Opal Optic  <sup>4</sup> Direction of light must be indicated on RCP/lighting plans.	<b>HLO</b> - High-Efficiency Lambertian Optic <b>NA</b> - Not applicable

LIGHT SOURCE <sup>5</sup>	CRI	DIRECT LUMEN PACKAGE <sup>8</sup>	INDIRECT LUMEN PACKAGE <sup>10</sup> Specify NA for Direct fixture	COLOR TEMPERATURE	VOLTAGE
<b>SW</b> - Static white <b>FS</b> - Full spectrum  <sup>5</sup> Chromawerx SQA, DUQ, and QUADRO also available. Consult factory.	<b>80CRI</b> <sup>6</sup> - 80 CRI <b>90CRI</b> <sup>6</sup> - 90 CRI <b>95CRI</b> <sup>7</sup> - 95 CRI  <sup>6</sup> Not available with full spectrum. <sup>7</sup> Not available with static white.	<b>350LMF</b> - Eco low output 350 lm/ft <b>500LMF</b> - Low output 500 lm/ft <b>750LMF</b> - Medium output 750 lm/ft <b>1000LMF</b> <sup>9</sup> - High output 1000 lm/ft  <sup>8</sup> To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π). <sup>9</sup> Not available with full spectrum.	<b>350LMF</b> - Eco low output 350 lm/ft <b>500LMF</b> - Low output 500 lm/ft <b>750LMF</b> - Medium output 750 lm/ft <b>NA</b> - Not applicable  <sup>10</sup> To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π).	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> - 5000K	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> <sup>11</sup> - 347V  <sup>11</sup> Available with DI driver only. Subject to factory evaluation.

DRIVER <sup>12</sup>	ELECTRICAL
<b>DI</b> - 1% 0-10V <b>ELV</b> <sup>13</sup> - ELV 120V <b>TRI</b> <sup>13</sup> - TRIAC 120V <b>DA</b> <sup>14, 15</sup> - DALI <b>LDE1</b> <sup>14, 15</sup> - Lutron Hi-Lume 1% Eco <b>ELD1</b> <sup>15</sup> - eldoLED 1% ECoDrive 0-10V <b>ELDO</b> <sup>15</sup> - eldoLED 0.1% SOLOdrive 0-10V  <sup>12</sup> Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. <sup>13</sup> Available with 120V only. <sup>14</sup> On-site commissioning is required. <sup>15</sup> Not available with integral driver for Ø 2', Ø 3', and Ø 4'.	<b>1C</b> - 1 circuit <b>2C</b> <sup>16</sup> - 2 circuits <b>EC</b> - Emergency-powered fixture <b>NL</b> - Night light fixture <b>DL</b> - Daylight fixture <b>GTD</b> <sup>17, 18, 19</sup> - Generator transfer device fixture <b>+EMB</b> <sup>17, 18, 20, 21</sup> - Emergency battery  <sup>16</sup> Available for Direct/Indirect only. Separate direct and indirect circuits. <sup>17</sup> Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. <sup>18</sup> Not available with 347V. <sup>19</sup> Minimum Ø 3' fixture for integral GTD. <sup>20</sup> Only available with remote drivers. The battery powers the direct LEDs. <sup>21</sup> Not available with EC or GTD. To specify, add +EMB to the selected electrical option, e.g. 1C+EMB.

MOUNTING <sup>22</sup>				FINISH		OPTIONS <sup>28</sup>
<b>PENDANT</b>				<b>RECESSED</b>	<b>SURFACE</b>	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF#</b> - Custom finish, specify RAL#
<b>POWER</b>	<b>CANOPY FINISH</b>	<b>MOUNTING POINTS</b>	<b>MOUNTING LENGTH <sup>27</sup></b>	<b>DTR</b> - Drywall trim <b>DMF</b> - Drywall mud flange	<b>DRC</b> - Drywall ceiling	<b>FU120</b> - Fuse 120V <b>FU277</b> - Fuse 277V <b>CTB9</b> <sup>29</sup> - T-bar caddy clip, 9/16" <b>CTB15</b> <sup>29</sup> - T-bar caddy clip, 15/16" <b>CTG9</b> <sup>29</sup> - Tegular caddy clip, 9/16" <b>CTG15</b> <sup>29</sup> - Tegular caddy clip, 15/16" <b>CST</b> <sup>29</sup> - Screw slot caddy clip <b>FWC</b> <sup>30</sup> - Flexible whip cable (6' std) <b>CP</b> <sup>30</sup> - Chicago Plenum <b>NA</b> - None
<b>BAC</b> - Black power cord + aircraft cable <b>WAC</b> - White power cord + aircraft cable <b>STM</b> <sup>23</sup> - Stem	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF</b> - Custom finish, specify RAL#	<b>SC</b> <sup>24, 25</sup> - Single canopy <b>MC</b> <sup>26</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>28</sup> Separate codes with a "+" if more than one is specified. <sup>29</sup> Available with pendant mounting aircraft cable option only. <sup>30</sup> Available with recessed mounting only.

<sup>22</sup>The mounting options selected must reflect the luminaire ID.  
<sup>23</sup>Stem finish is the same color as fixture.  
<sup>24</sup>Available up to Ø 4' only.  
<sup>25</sup>Not available with stem.  
<sup>26</sup>4 Canopies or more provided.  
<sup>27</sup>For single canopy option the minimum required mounting heights are (distance from ceiling to top of fixture in inches): Ø 2' - min 15" | Ø 3' - min. 22" | Ø 4' - min. 29"



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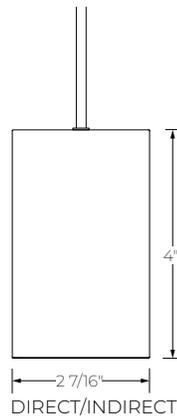
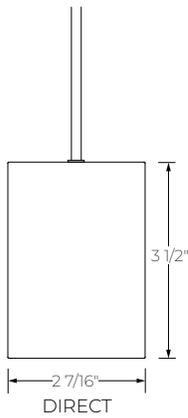
RING

PENDANT - RECESSED - SURFACE

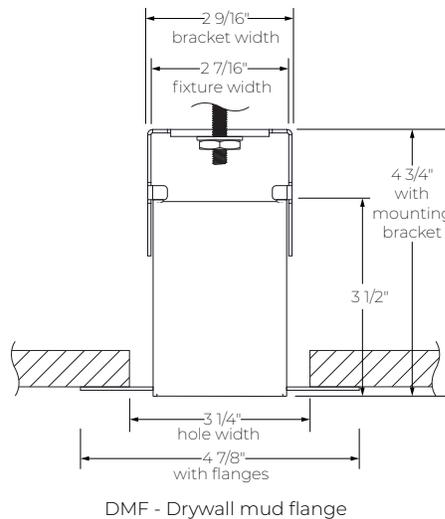
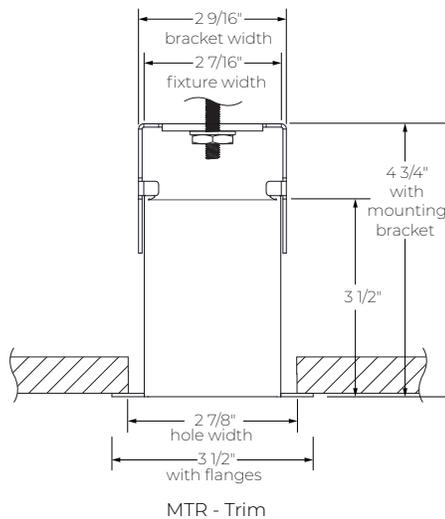


## Dimensions

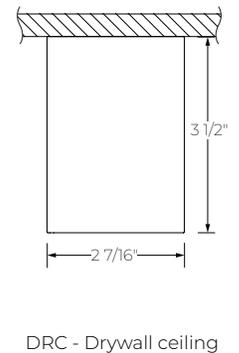
PENDANT



RECESSED

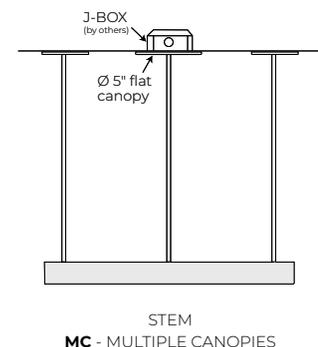
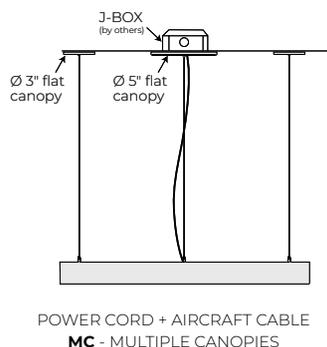
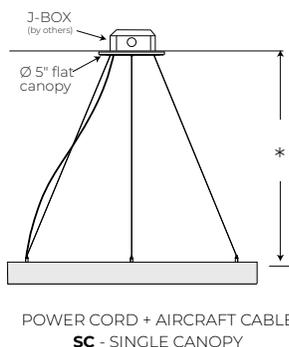


SURFACE



## Mounting Options

PENDANT



\* For single canopy option, the minimum required mounting heights: Ø 2' : min 15" | Ø 3' : min 22" | Ø 4' : min 29".

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## Photometrics

Values calculated based on 4' straight segments at 3500K and 80 CRI for all optics.

### DIRECT OPTICS

### INDIRECT OPTIC



### MULTIPLIER TABLES

Use these tables to get results for different color temperatures and CRI for all Direct and Indirect photometric tables.

Multiplier - CCT/CRI

CCT	WATTS		LPW	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

### DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left( \begin{array}{c} \text{DIRECT} \\ \text{LM/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{LM/FT} \end{array} \right)}{\left( \begin{array}{c} \text{DIRECT} \\ \text{W/FT} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{W/FT} \end{array} \right)} = \text{LPW}$$

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## Technical Specifications

### OPTICS

#### High-Efficiency Lambertian Optic (HLO)

Lumenwerx's High-Efficiency Lambertian Optic is engineered with reflective sidewalls that distribute LED output across acrylic shielding. To negotiate the curves of Lumenwerx rounded fixtures, the HLO is equipped with proprietary SupremeGrip™ technology, which keeps the optic securely in place.

#### symmetric Opal Optic (AOO)

The Asymmetric Opal Optic (AOO) provides targeted illumination while diffusing light evenly, minimizing glare and spill. Its design creates a soft, inviting ambiance, making it ideal for architectural and accent lighting in modern spaces.

### LIGHT SOURCE

#### Static white

Custom array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

#### Full spectrum

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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, ELV, TRIAC, 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.

### Battery

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

### MOUNTING

**Pendant:** Pendant fixtures can be mounted either with aircraft cable or with stem.

**Recessed:** Recessed fixtures can be mounted in drywall ceilings with trim or mud flange options.

**Surface:** Surface fixtures can be mounted directly to drywall and hard surface ceilings, hardware supplied by others. A minimum of 6" from the vertical wall is required.

### FINISH

**Interior:** 95%, reflective matte powder coated white paint.

**Exterior:** Matte white, matte black or aluminum powder coating. Custom finishes are also available.

### CONSTRUCTION

**Housing:** Extruded aluminum and aluminum sheet, up to 90% recycled content

**Reflectors:** Aluminum

**Lens:** Acrylic

**Hanger:** Chromed griplock securely attached with spring steel hardware in end caps and/or joiners

**Aircraft cable suspension:** Ø 1/16" stainless steel aircraft cable

**Stem:** Ø 1/2" threaded steel tube

### WEIGHT

**Pendant Direct:** 2 lb/ft - 0.91 kg/ft

**Pendant Direct/Indirect:** 2.5 lb/ft - 1.13 kg/ft

**Recessed:** 2.5 lb/ft - 1.13 kg/ft

**Surface** 2 lb/ft - 0.91 kg/ft

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## CERTIFICATIONS

**ETL:** Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

**IC rated:** Suitable for direct contact with insulation. For Recessed mounting only.

**Declare:** [LBC Red List Approved](#)

## WARRANTY

Lumenwerx provides a five-year limited warranty on 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.