

# CURVIA 3 SEAL

PATTERN

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. Curvia Seal luminaires are specifically engineered for applications that require varying levels of protection from dust and water and available at two Ingress Protection (IP) levels: IP54 and IP65.



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



Curvia Additions Brochure

## Curvia Family (Refer to other spec sheets)

Curvia Mini	Curvia Slim	Curvia Slim Seal	Curvia Prism	Curvia	Curvia XYZ	Curvia Horizon	Curvia Perimeter	Curvia Seal Perimeter	Curvia Seal	Curvia Acoustix
1"	1", 2"	1", 2"	2"	2", 3", 4"	2", 3"	2", 3"	2", 3", 4", 5"	2", 3", 4"	2", 3", 4"	2"
Ring	Ring Shapes Pattern	Ring Shapes Pattern	Ring Shapes Pattern	Ring Shapes Pattern	Pattern	Ring Shapes	Pattern	Pattern	Ring Shapes <b>Pattern</b>	Ring Shapes Pattern

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## PATTERN

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**IMPORTANT:**  
Fixture must be installed with lens facing down.







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

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

## Order Guide

A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT <sup>1</sup>	OPTIC	LIGHT SOURCE <sup>2</sup>	CRI
	<b>D</b>		<b>EPDO</b>		
<b>CURV3SEALPPAT</b> - Curvia 3" Seal Pendant Pattern <b>CURV3SEALRPAT</b> - Curvia 3" Seal Recessed Pattern <b>CURV3SEALSPAT</b> - Curvia 3" Seal Surface Pattern	<b>D</b> - Direct	<b>IP65</b> - IP65-Rated <b>IP54</b> - IP54-Rated  <sup>1</sup> See page 4 for more information on the features and installation details for each environment option.	<b>EPDO</b> - Environmentally Protected Direct Optic	<b>SW</b> - Static white <b>FS</b> - Full spectrum static white  <sup>2</sup> Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.	<u>Static white</u> <b>80CRI</b> - 80+ CRI <b>90CRI</b> - 90+ CRI  <u>Full spectrum</u> <b>95CRI</b> - 95+ CRI

LUMEN PACKAGE	COLOR TEMP.	TOTAL PATTERN LENGTH	CORNER TYPE <sup>4,5</sup>	VOLTAGE						
<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>3</sup> - High output 1000 lm/ft  <sup>3</sup> Not available with full spectrum.	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> - 5000K	<b>#FT#IN</b> - Specify total pattern length (#) in 1' and/or 1" increments	<table border="1"> <thead> <tr> <th>CURVED CORNER <sup>6,7</sup></th> <th>STRAIGHT CORNER <sup>8</sup></th> </tr> </thead> <tbody> <tr> <td> <b>#LEVC</b> - Curved leveled corner                        LEVC                 </td> <td> <b>#LEVS(A##)</b> - Straight leveled corner                        LEVS(A##)                 </td> </tr> <tr> <td colspan="2"> <b>NA</b> - None                 </td> </tr> </tbody> </table> <sup>4</sup> See page 3 for details. <sup>5</sup> If more than one option is specified, separate codes with a "+", e.g. 2LEVC+1LEVS(A45). <sup>6</sup> Minimum radius is 8". Consult factory for smaller radii. <sup>7</sup> Specify quantity (#), e.g. 2LEVC. <sup>8</sup> Specify quantity (#) and angle (A##), e.g. 2LEVS(A90).	CURVED CORNER <sup>6,7</sup>	STRAIGHT CORNER <sup>8</sup>	<b>#LEVC</b> - Curved leveled corner  LEVC	<b>#LEVS(A##)</b> - Straight leveled corner  LEVS(A##)	<b>NA</b> - None		<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> <sup>9</sup> - 347V  <sup>9</sup> Available with D1 driver only. Subject to factory evaluation.
CURVED CORNER <sup>6,7</sup>	STRAIGHT CORNER <sup>8</sup>									
<b>#LEVC</b> - Curved leveled corner  LEVC	<b>#LEVS(A##)</b> - Straight leveled corner  LEVS(A##)									
<b>NA</b> - None										

DRIVER <sup>10</sup>	ELECTRICAL	ELECTRICAL SECTIONS (optional) <sup>19,20</sup>
<b>D1</b> - 1% 0-10V <b>ELV</b> <sup>11,12</sup> - ELV 120V <b>TRI</b> <sup>11,12</sup> - TRIAC 120V <b>DA</b> <sup>13</sup> - DALI <b>LDE1</b> <sup>12,13</sup> - Lutron Hi-Lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> - eldoLED 0.1% SOLOdrive 0-10V <b>RLTDIO</b> <sup>14</sup> - Low-temperature 10% 0-10V  <sup>10</sup> Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. <sup>11</sup> Available with 120V only. <sup>12</sup> Not suitable for temperatures below 0°C (32°F). <sup>13</sup> On-site commissioning is required. <sup>14</sup> Driver is remote. A remote driver box is provided. Suitable for temperatures down to -40°C/F.	<b>1C</b> - 1 circuit <b>#MC</b> <sup>15</sup> - Multi circuit <b>EC</b> - Emergency-powered fixture <b>NL</b> - Night light fixture <b>DL</b> - Daylight fixture <b>GTD</b> <sup>16,17,18</sup> - Generator transfer device fixture  <sup>15</sup> Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit for integral drivers. <sup>16</sup> Integral or remote subject to factory evaluation. GTD must be housed with the driver. <sup>17</sup> Not available with 347V. <sup>18</sup> Not suitable for environments below 0°C (32°F).	<b>#EC##</b> <sup>21</sup> - Emergency-powered section <b>#NL##</b> <sup>21</sup> - Night light section <b>#DL##</b> <sup>21</sup> - Daylight section <b>#GTD##</b> <sup>21,22,23,24</sup> - Generator transfer device section <b>#EMB</b> <sup>22,23,24,25,26</sup> - Emergency battery <b>NA</b> - None  <sup>19</sup> Specify with multi circuit (#MC) electrical option only. <sup>20</sup> Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. <sup>21</sup> Specify quantity (#), and section length in inches (##). <sup>22</sup> Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. <sup>23</sup> Not available with 347V. <sup>24</sup> Not suitable for environments below 0°C (32°F). <sup>25</sup> Specify quantity (#). Each battery powers a 4' linear section. Minimum length of linear section is 5'. <sup>26</sup> All batteries will be on the same circuit.

POWER FEED	MOUNTING <sup>28</sup>	FINISH	OPTION						
<b>TF</b> - Top feed <b>EF</b> <sup>27</sup> - End feed  <sup>27</sup> Not available with pendant mounting options.	<table border="1"> <thead> <tr> <th>PENDANT <sup>29</sup></th> <th>RECESSED</th> <th>SURFACE</th> </tr> </thead> <tbody> <tr> <td> <b>SSTS</b> - Stem, standard  <b>SSTC()</b> - Stem, custom                     </td> <td> <b>DTR</b> - Trim  <b>DMF</b> - Drywall mud flange                     </td> <td> <b>GSM</b> - Gasketed surface mount                     </td> </tr> </tbody> </table> <sup>28</sup> The mounting option selected must reflect the luminaire ID. <sup>29</sup> Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.	PENDANT <sup>29</sup>	RECESSED	SURFACE	<b>SSTS</b> - Stem, standard <b>SSTC()</b> - Stem, custom	<b>DTR</b> - Trim <b>DMF</b> - Drywall mud flange	<b>GSM</b> - Gasketed surface mount	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>WA</b> - White antimicrobial Silverwerx <b>CF#</b> - Custom finish, specify RAL#	<b>CRF</b> - Corrosion-resistant finish <b>NA</b> - None
PENDANT <sup>29</sup>	RECESSED	SURFACE							
<b>SSTS</b> - Stem, standard <b>SSTC()</b> - Stem, custom	<b>DTR</b> - Trim <b>DMF</b> - Drywall mud flange	<b>GSM</b> - Gasketed surface mount							

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### PENDANT - RECESSED - SURFACE



## Pendant Mounting Code

### Stem

#### Standard

##### SSTS - Stem, standard

- Ø 5" for power canopy
- Ø 5" for non-power canopy
- Canopies are black for black fixtures, and white for all other fixture finishes
- Power cord is black for black fixtures, and white for all other fixture finishes
- Stem finish is the same color as fixture
- Stem length is 18"
- Stem is not field adjustable

#### Custom

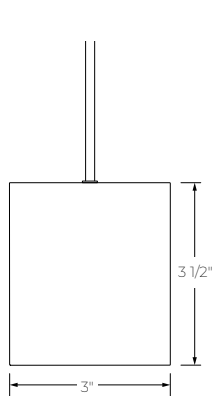
Example: SSTC(5NPC-36IN-W-STW-PCW-SLS)

##### SSTC() - Stem, custom

NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	POWER CORD COLOR	OPTION
<b>5NPC</b> - Ø 5" non-power canopy	<b>18IN</b> - 18" <b>36IN</b> - 36" <b>#IN</b> <sup>2</sup> - Specify length in inches  <small><sup>2</sup>Minimum length is 6". Maximum length is 72". Stem is not field adjustable.</small>	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF#</b> - Custom finish, specify RAL#	<b>STW</b> - Matte white <b>STAL</b> - Aluminum <b>STB</b> - Matte black <b>STCF#</b> - Custom finish, specify RAL#	<b>PCW</b> - White <b>PCB</b> - Black	<b>SLS</b> - Sloped ceiling for stem <b>NA</b> - None

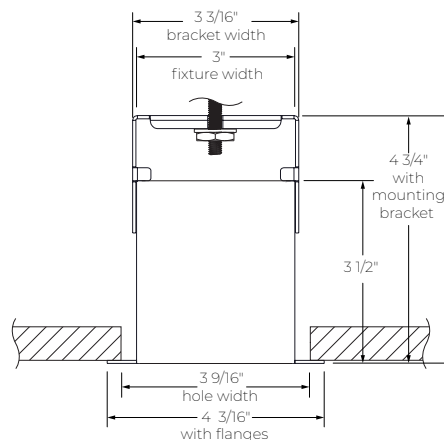
## Dimensions

### PENDANT

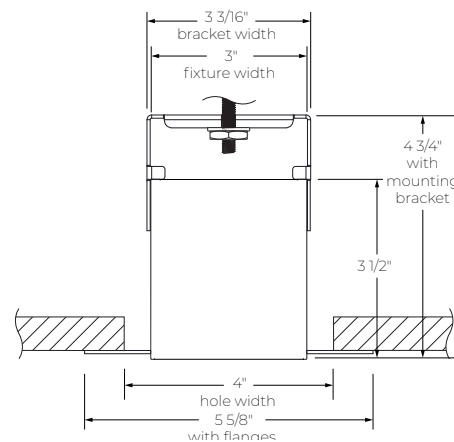


DIRECT

### RECESSED

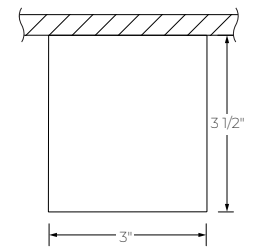


DTR - Trim



DMF - Drywall mud flange

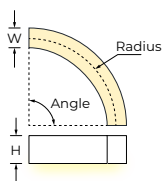
### SURFACE



GSM - Gasketed surface mount

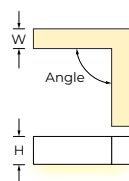
## Corner type

### CURVED CORNERS



LEVC

### STRAIGHT CORNERS



LEVS(A##)

### DIRECT

Height (H)	3 1/2"
Width (W)	3"

# CURVIA 3 SEAL

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PENDANT - RECESSED - SURFACE



## Environment Options

### DIRECT

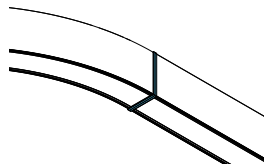
#### IP65-RATED



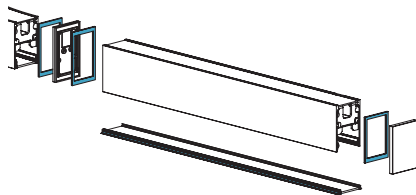
Fixture is dust-tight and sealed against water jets from any direction.

Wet listed

Low-profile joiner bridge every 8'



Direct

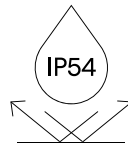


OUTDOOR: Exposed to the elements

Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F) \*\*

INDOOR: Wet Listed applications, healthcare applications, high-maintenance settings

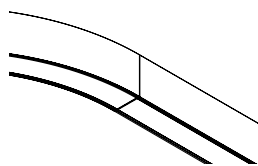
#### IP54-RATED



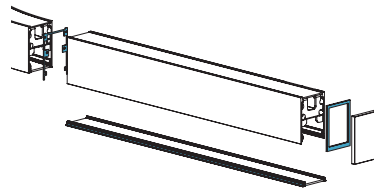
Fixture is dust and water-splash protected with reinforced sealed protection for internal electrical components\*. The lens, joiners and end caps are gasketed for secure sealing.

Wet listed

Gasketed joiner



Direct



OUTDOOR: Mild exposure to the elements, under canopy

Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F)\*\*

INDOOR: Wipe-down environments

\* Internal electrical components are IP65-rated. The driver is fully enclosed, wiring connections are sealed to prevent ingress of dust and moisture, and the LED board is conformal-coated for enhanced protection.

\*\* Some restrictions apply.

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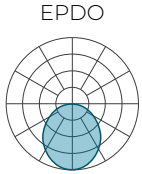
### PENDANT - RECESSED - SURFACE



## Photometrics

Values calculated based on Curvia 3 Ring Ø 2' at 3500K.

### DIRECT OPTIC



LM/FT	W/FT	LM/W
350	2.9	122
500	4.3	118
750	6.7	112
1000	9.4	106

### MULTIPLIER TABLE

Use this table to get results for different color temperatures.

CCT	WATTS	LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI
2700K	1.05	0.95
3000K	1.02	0.98
3500K	1.00	1.00
4000K	1.00	1.00
5000K	0.96	1.04

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## Technical Specifications

### OPTIC

#### Environmentally Protected Optic (EPDO)

The Environmentally Protected Optic features an innovative sealed design with our exclusive Supreme Grip™ Technology and advanced gasketing, ensuring a precise, secure fit on the extrusion while delivering superior protection against dust, water, and UV distortion.

### 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 static white

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. An optional low temperature 10% 0-10V driver, suitable for temperatures down to -40°C/F is also available. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

### 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.

### Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277 VAC) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

### MOUNTING

**Pendant:** Pendant fixtures can be mounted with stem.

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

**Surface:** Surface fixtures can be mounted directly to 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

**Reflectors:** Aluminum

**Lens:** Polycarbonate

**Stem:** Ø 1/2" threaded steel tube

### WEIGHT

	Pendant	Recessed	Surface
<b>IP65</b>	2.5 lb/ft - 1.13 kg/ft	3 lb/ft - 1.36 kg/ft	2.5 lb/ft - 1.13 kg/ft
<b>IP54</b>	2.25 lb/ft - 1.02 kg/ft	2.8 lb/ft - 1.27 kg/ft	2.25 lb/ft - 1.02 kg/ft

### CERTIFICATIONS

**ETL:** IP65-Rated and IP54-Rated environment options are ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of Wet Listed fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

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

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#### 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.