

# CURVIA 3 XYZ

## PATTERN

PENDANT - RECESSED - SURFACE - WALL

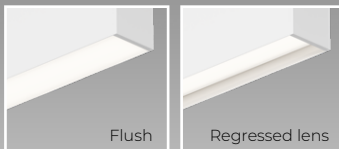


Declare.



Curvia XYZ fixtures carry light along refined curvilinear paths from one plane to another with exceptional agility, creating unprecedented dynamic effects. Featuring linear and curved segments, multi-way connectors, corners, versatile mounting options, and our Supreme Grip™ technology for secure lensing, Curvia XYZ embodies a wealth of top-quality lighting solutions to explore.

### Lens Positions



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

Curvia Additions Brochure

### Curvia Family (Refer to other spec sheets)

<b>Curvia Mini</b> 1"  Ring Shapes Pattern	<b>Curvia Slim</b> 1", 2"  Ring Shapes Pattern	<b>Curvia Slim Seal</b> 1", 2"  Ring Shapes Pattern	<b>Curvia Prism</b> 2"  Ring Shapes Pattern	<b>Curvia</b> 2", 3", 4"  Ring Shapes Pattern	<b>Curvia XYZ</b> 2", 3"  <b>Pattern</b>	<b>Curvia Horizon</b> 2", 3"  Ring Shapes	<b>Curvia Perimeter</b> 2", 3", 4", 5"  Pattern	<b>Curvia Seal Perimeter</b> 2", 3", 4"  Pattern	<b>Curvia Seal</b> 2", 3", 4"  Ring Shapes Pattern	<b>Curvia Acoustix</b> 2"  Ring Shapes Pattern
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CURVIA3-XYZ-PATTERN-SPEC-REV3 March 24, 2026

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PENDANT - RECESSED - SURFACE - WALL



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




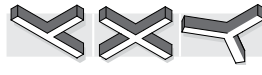
Type: \_\_\_\_\_

### Order Guide

A 3D Revit file is required for quoting and factory shop drawings. For simple patterns, a detailed sketch could suffice.

LUMINAIRE ID	DISTRIB.	OPTIC	LENS POSITION	LIGHT SOURCE <sup>1</sup>	CRI	LUMEN PACKAGE	COLOR TEMP.	TOTAL PATTERN LENGTH
<b>CURV3XYZPAT</b>	<b>D</b>	<b>HLO</b>						
<b>CURV3XYZPAT</b> - Curvia 3' XYZ Pattern	<b>D</b> - Direct	<b>HLO</b> - High-Efficiency Lambertian Optic	<b>FH</b> - Flush <b>RG</b> - Regressed	<b>SW</b> - Static white <b>FS</b> - Full spectrum static white  <sup>1</sup> Chromawerx SOLA, DUQ, 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	<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> - High output 1000 lm/ft	<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

CORNER TYPE <sup>2,3</sup>	INTERSECTION TYPE <sup>7,8,9</sup>

CURVED CORNER <sup>4,5</sup>	STRAIGHT CORNER <sup>6</sup>	CURVED INTERSECTION	STRAIGHT INTERSECTION
<p><b>#LEVC</b> - Curved leveled corner</p> <p><b>#INNC</b> - Curved inner corner</p> <p><b>#OUTC</b> - Curved outer corner</p>  <p>LEVC    INNC    OUTC</p>	<p><b>#LEVS(A##)</b> - Straight leveled corner</p> <p><b>#INNS(A##)</b> - Straight inner corner</p> <p><b>#OUTS(A##)</b> - Straight outer corner</p>  <p>LEVS(A##)    INNS(A##)    OUTS(A##)</p>	<p><b>#TCI</b> - Soft T curved intersection</p> <p><b>#XCI</b> - Soft X curved intersection</p> <p><b>#YCI</b> - Soft Y curved intersection</p> <p><b>#CCI</b> - Soft C curved intersection</p>  <p>TCI    XCI    YCI    CCI</p>	<p><b>#TSI</b> - Sharp T straight intersection</p> <p><b>#XSI</b> - Sharp X straight intersection</p> <p><b>#YSI</b> - Sharp Y straight intersection</p>  <p>TSI    XSI    YSI</p>
<p><b>NA</b> - None</p> <p><sup>2</sup> See page 5 for details. <sup>3</sup> If more than one option is specified, separate codes with a "+", e.g. 2LEVC+1INNS(A45). <sup>4</sup> Minimum radius 8" for LEVC, 12" for INNC, and 18" for OUTC. Consult factory for smaller radius. <sup>5</sup> Specify quantity (#), e.g. 2INNC. <sup>6</sup> Specify quantity (#) and angle (A##), e.g. 2INNS(A90).</p>		<p><b>CU<sup>10</sup></b> - Custom</p> <p><b>NA</b> - None</p> <p><sup>7</sup> See page 5 for details. <sup>8</sup> If more than one option is specified, separate codes with a "+", e.g. 1TCI+2TSI. <sup>9</sup> Specify quantity (#) for each required intersection type. <sup>10</sup> Provide a drawing for custom intersections.</p>	

VOLTAGE	DRIVER <sup>12</sup>	ELECTRICAL	ELECTRICAL SECTIONS (optional) <sup>19,20</sup>
<p><b>120V</b> - 120V <b>277V</b> - 277V <b>277V</b> - TRIAC 120V <b>UNV</b> - 120V-277V <b>347V<sup>11</sup></b> - 347V</p> <p><sup>11</sup> Only available with D1 driver. Subject to factory evaluation.</p>	<p><b>D1</b> - 1% 0-10V <b>ELV<sup>13</sup></b> - ELV 120V <b>TRI<sup>13</sup></b> - TRIAC 120V <b>DA<sup>14</sup></b> - DALI <b>LDE1<sup>14</sup></b> - Lutron Hi-Lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> - eldoLED 0.1% SOLOdrive 0-10V</p> <p><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> Only available with 120V. <sup>14</sup> On-site commissioning is required.</p>	<p><b>1C</b> - 1 circuit <b>#MC<sup>15</sup></b> - Multi circuit <b>EC</b> - Emergency-powered fixture <b>NL</b> - Night light fixture <b>DL</b> - Daylight fixture <b>GTD<sup>16,17,18</sup></b> - Generator transfer device fixture</p> <p><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> Minimum 12" radius for integral GTD.</p>	<p><b>#EC##<sup>21</sup></b> - Emergency-powered section <b>#NL##<sup>21</sup></b> - Night light section <b>#DL##<sup>21</sup></b> - Daylight section <b>#GTD##<sup>21,22,23,24</sup></b> - Generator transfer device section <b>#EMB<sup>22,23,25,26</sup></b> - Emergency battery <b>NA</b> - None</p> <p><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> Minimum 12" radius for integral GTD. <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.</p>

MOUNTING <sup>27</sup>	FINISH	OPTIONS <sup>29</sup>
<p><b>PENDANT<sup>28</sup></b></p> <p><b>ACS</b> - Aircraft cable, standard <b>STS</b> - Stem, standard <b>ACC()</b> - Aircraft cable, custom <b>STC()</b> - Stem, custom</p> <p><sup>27</sup> To specify multiple mounting, separate codes with a "+" (e.g. ACS+DRC). <sup>28</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.</p>	<p><b>RECESSED</b></p> <p><b>DTR</b> - Trim <b>DMF</b> - Drywall mud flange</p> <p><b>SURFACE</b></p> <p><b>DRC</b> - Drywall ceiling</p> <p><b>WALL</b></p> <p><b>DRM</b> - Drywall mounting</p>	<p><b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF#</b> - Custom finish, specify RAL#</p> <p><b>FU120</b> - Fuse 120V <b>FU277</b> - Fuse 277V <b>CTB9<sup>30</sup></b> - T-bar caddy clip, 9/16" <b>CTB15<sup>30</sup></b> - T-bar caddy clip, 15/16" <b>CTG9<sup>30</sup></b> - Tegular caddy clip, 9/16" <b>CTG15<sup>30</sup></b> - Tegular caddy clip, 15/16" <b>CST<sup>30</sup></b> - Screw slot caddy clip <b>FWC<sup>31</sup></b> - Flexible whip cable (6' std) <b>CP<sup>31</sup></b> - Chicago Plenum <b>NA</b> - None</p> <p><sup>29</sup> Separate codes with a "+" if more than one is specified. <sup>30</sup> Only available with pendant mounting aircraft cable option. <sup>31</sup> Only available with recessed mounting.</p>



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## Pendant Mounting Code

### Aircraft Cable

#### Standard

##### ACS - Aircraft cable, standard

- Ø 5" for power canopy
- Ø 3" 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
- Aircraft cable length is 36"

### Stem

#### Standard

##### STS - 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
- Stem finish is the same color as fixture
- Stem length is 18"
- Stem is not field adjustable

#### Custom

Example: ACC(3NPC-72IN-W-PCB-NA)

##### ACC( ) - Aircraft cable, custom

NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTION
<b>3NPC</b> - Ø 3" non-power canopy <b>5NPC</b> - Ø 5" non-power canopy	<b>36IN</b> - 36" <b>72IN</b> - 72" <b>120IN</b> - 120" <b>#IN</b> <sup>1</sup> - Other lengths, specify in inches <small><sup>1</sup> Maximum length is 288". For longer lengths, please consult factory.</small>	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF#</b> - Custom finish, specify RAL#	<b>PCW</b> - White <b>PCB</b> - Black	<b>SEM</b> <sup>2</sup> - Seismic mounting <b>SLC</b> <sup>2</sup> - Sloped ceiling for aircraft cable <b>NA</b> - None <small><sup>2</sup> Not available with the Ø 3" non-power canopy size.</small>

#### Custom

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

##### STC( ) - Stem, custom

NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	OPTION
<b>5NPC</b> - Ø 5" non-power canopy	<b>18IN</b> - 18" <b>36IN</b> - 36" <b>#IN</b> <sup>3</sup> - Specify length in inches <small><sup>3</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>SLS</b> - Sloped ceiling for stem <b>NA</b> - None

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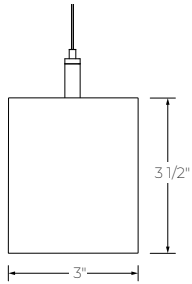
PENDANT - RECESSED - SURFACE - WALL



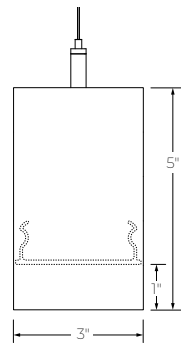
### Dimensions

#### PENDANT

Flush Lens

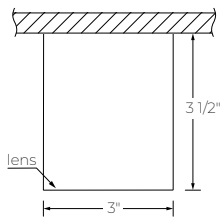


Regressed Lens

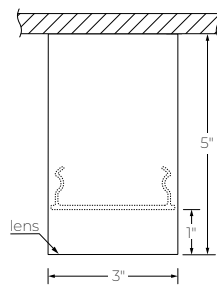


#### SURFACE

Flush Lens

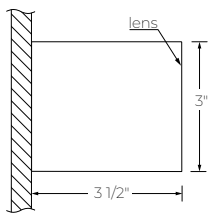


Regressed Lens

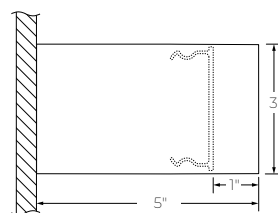


#### WALL

Flush Lens



Regressed Lens



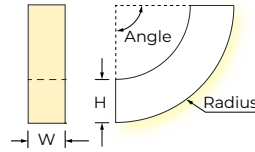
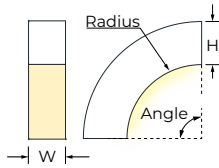
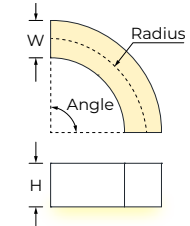
# CURVIA 3 XYZ

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### PENDANT - RECESSED - SURFACE - WALL

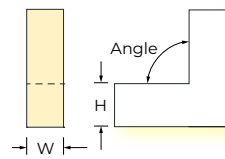
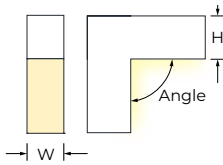
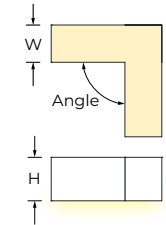


#### CURVED CORNERS

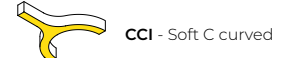
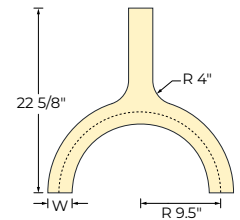
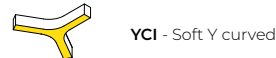
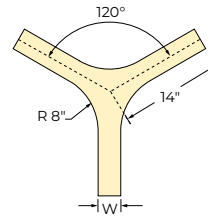
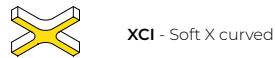
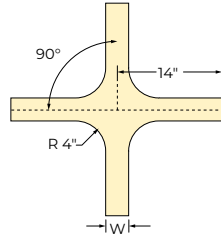
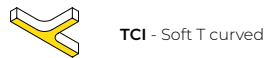
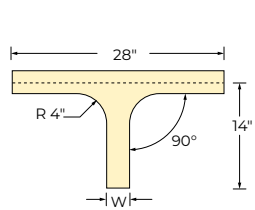


Height (H)	3 1/2"
Width (W)	3"

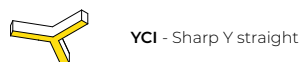
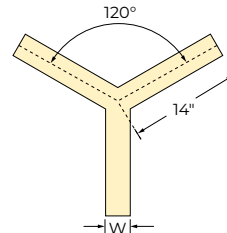
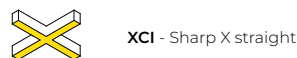
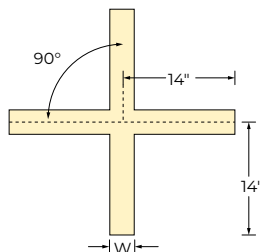
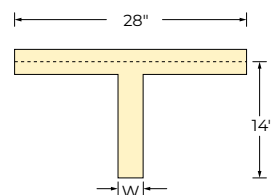
#### STRAIGHT CORNERS



#### CURVED INTERSECTIONS



#### STRAIGHT INTERSECTIONS



# CURVIA 3 XYZ

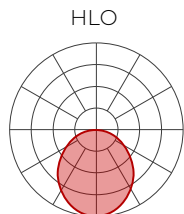
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### Photometrics

Values calculated based on 4' straight segments at 3500K.



LM/FT	W/FT	LM/W
350	3.1	113
500	4.6	109
750	7.2	104
1000	10.1	99

### MULTIPLIER TABLES

Use these tables to get results for different color temperatures and lens positions for all photometric tables.

#### Multiplier - CCT

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

#### Multiplier - Lens position

DIRECT LENS	WATTS	LPW
Flush lens	1.00	1.00
Regressed lens	0.98	1.02



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## Examples



Ceiling to wall



Wall to wall



Pendant elevation



Intersections



Curved ceiling

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## Technical Specifications

### OPTIC

#### 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.

### 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. 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.

### MOUNTING

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

**Recessed:** Recessed fixtures can be mounted in 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.

**Wall:** Wall fixtures can be horizontally mounted to the wall. A minimum of 6" from adjacent 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

**Optic:** Acrylic

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

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

**Stem:** Ø 1/2" threaded steel tube

### WEIGHT

**Pendant Direct:** 2.25 lb/ft - 1.02 kg/ft

**Recessed:** 2.8 lb/ft - 1.27 kg/ft

**Surface:** 2.25 lb/ft - 1.02 kg/ft

**Wall:** 2.25 lb/ft - 1.02 kg/ft

### 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.