

CURVIA 2 SEAL

SHAPES

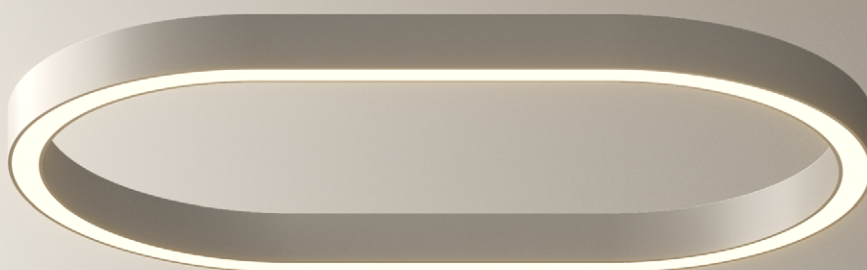
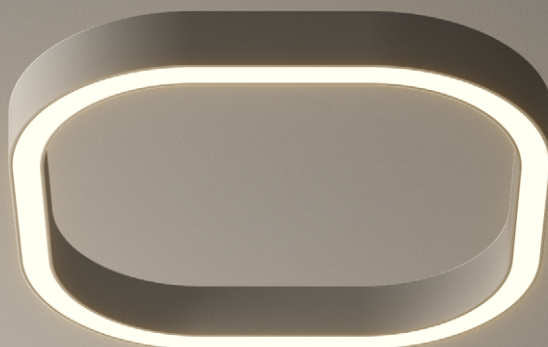
PENDANT - RECESSED - SURFACE



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 three Ingress Protection (IP) levels: IP54, IP64, and IP65.



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



Curvia Additions Brochure

Curvia Family (Refer to other spec sheets)

Curvia Mini
1"



Ring

Curvia Prism
2"



Ring
Shapes
Pattern

Curvia
2", 3", 4"



Ring
Shapes
Pattern

Curvia XYZ
2", 3"



Pattern

Curvia Horizon
2", 3"



Ring
Shapes

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



Pattern

Curvia Seal
Perimeter
2", 3", 4"



Pattern

Curvia Seal
2", 3", 4"



Ring
Shapes
Pattern

Curvia Acoustix
2"



Ring
Shapes
Pattern

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

Project: _____
Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT ²	SIZE ³	CORNER RADIUS Specify NA for capsule
SQUARE CURV2SEALSQP - Curvia 2" Seal Square Pendant CURV2SEALSQR - Curvia 2" Seal Square Recessed CURV2SEALSQS - Curvia 2" Seal Square Surface RECTANGLE CURV2SEALREP - Curvia 2" Seal Rectangle Pendant CURV2SEALRER - Curvia 2" Seal Rectangle Recessed CURV2SEALRES - Curvia 2" Seal Rectangle Surface CAPSULE CURV2SEALCAP - Curvia 2" Seal Capsule Pendant CURV2SEALCAR - Curvia 2" Seal Capsule Recessed CURV2SEALCAS - Curvia 2" Seal Capsule Surface	D - Direct DI ¹ - Direct/Indirect ¹Available for pendant mounting only.	<u>Direct</u> IP65 - IP65-Rated IP54 - IP54-rated ²See page 4 for more information on the features and installation details for each environment option.	<u>Direct/Indirect</u> IP64 - IP64-Rated #FT#INX#FT#IN ^{4,5} - Overall length X overall width ³The real dimension of the fixture can differ up to 4" from the nominal size. ⁴Specify nominal length (#) and width (#) in 1" and/or 1" increments. ⁵Minimum size: Square 4' x 4'; Rectangle 4' x 6'; and Capsule 3' x 4'.	R12 - 12" radius R18 - 18" radius R24 - 24" radius R30 - 30" radius R36 - 36" radius Rxx ⁶ - Custom radius in inches NA ⁷ - Not applicable ⁶Minimum radius is 8". Consult factory for smaller radii. ⁷For capsule, radius is defined by the size.

DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE ⁸	CRI	DIRECT LUMEN PACKAGE ¹¹	INDIRECT LUMEN PACKAGE ¹³ Specify NA for Direct fixture	COLOR TEMP.
EPDO						
EPDO - Environmentally Protected Direct Optic	EPIO - Environmentally Protected Indirect Optic NA - Not applicable	SW - Static white FS - Full spectrum ⁸Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.	80CRI ⁹ - 80 CRI 90CRI ⁹ - 90 CRI 95CRI ¹⁰ - 95 CRI ⁹Not available with full spectrum. ¹⁰Not available with static white.	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft 1000LMF ¹² - High output 1000 lm/ft ¹¹To calculate the total lumens, multiply the lumen package (lm/ft) by the length of the shape (ft). ¹²Not available with full spectrum.	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft NA - Not applicable ¹³To calculate the total lumens, multiply the lumen package (lm/ft) by the length of the shape (ft).	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K

VOLTAGE	DRIVER ¹⁵	ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{25, 26}
120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁴ - 347V ¹⁴Available with D1 driver only. Subject to factory evaluation.	D1 - 1% 0-10V ELV ^{16, 17} - ELV 120V TRI ^{16, 17} - TRIAC 120V DA ¹⁸ - DALI LDE1 ^{17, 18} - Lutron Hi-Lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V RLTD10 ¹⁹ - Low-temperature 10% 0-10V ¹⁵Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. ¹⁶Available with 120V only. ¹⁷Not suitable for temperatures below 0°C (32°F). ¹⁸On-site commissioning is required. ¹⁹Remote driver box required. Suitable for temperatures down to -40°C/F.	1C - 1 circuit 2C ²⁰ - 2 circuits #MC ²¹ - Multi circuit EC - Emergency-powered fixture ²⁰Available for Direct/Indirect only. Separate direct and indirect circuits. ²¹Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit for integral drivers. ²²Integral or remote subject to factory evaluation. GTD must be housed with the driver. ²³Not available with 347V. ²⁴Not suitable for environments below 0°C (32°F).	NL - Night light fixture DL - Daylight fixture GTD ^{22, 23, 24} - Generator transfer device fixture #EC## ²⁷ - Emergency-powered section #NL## ²⁷ - Night light section #DL## ²⁷ - Daylight section #GTD## ^{27, 28, 29, 30} - Generator transfer device section #EMB ^{28, 29, 30, 31, 32} - Emergency battery NA - None ²⁵Specify with multi circuit (#MC) electrical option only. ²⁶Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²⁷Specify quantity (#), and section length in inches (##). ²⁸Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. ²⁹Not available with 347V. ³⁰Not suitable for environments below 0°C (32°F). ³¹Specify quantity (#). Each battery powers a 4' linear section. Minimum length of linear section is 5' for Direct and 8' for Direct/Indirect. ³²All batteries will be on the same circuit and power the direct LEDs.

POWER FEED	MOUNTING ³⁴	FINISH	OPTIONS
TF - Top feed EF ³³ - End feed ³³Not available with pendant mounting options.	PENDANT ³⁵ STS - Stem, standard STC() - Stem, custom ³⁴The mounting option selected must reflect the luminaire ID. ³⁵Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.	RECESSED MTR - Trim DMF - Drywall mud flange SURFACE GSM - Gasketed surface mount	W - Matte white AL - Aluminum B - Matte black WA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL# CRF - Corrosion resistant finish NA - None

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PENDANT - RECESSED - SURFACE



Pendant Mounting Code

Stem

Standard

STS - Stem, standard

Ø 5" for power canopy
Ø 5" for non-power canopy
Canopies are white
Stem finish is the same color as fixture
Stem length is 18"
Stem is not field adjustable

Custom

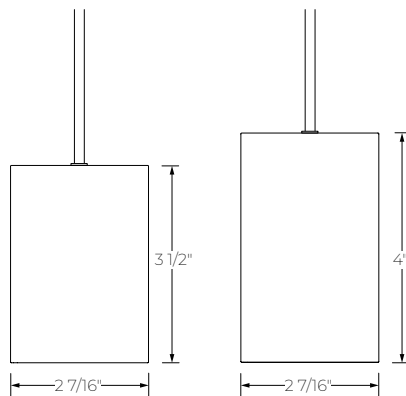
Example: STC(5NPC-36IN-W-STW-SLS)

STC() - Stem, custom

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

Dimensions

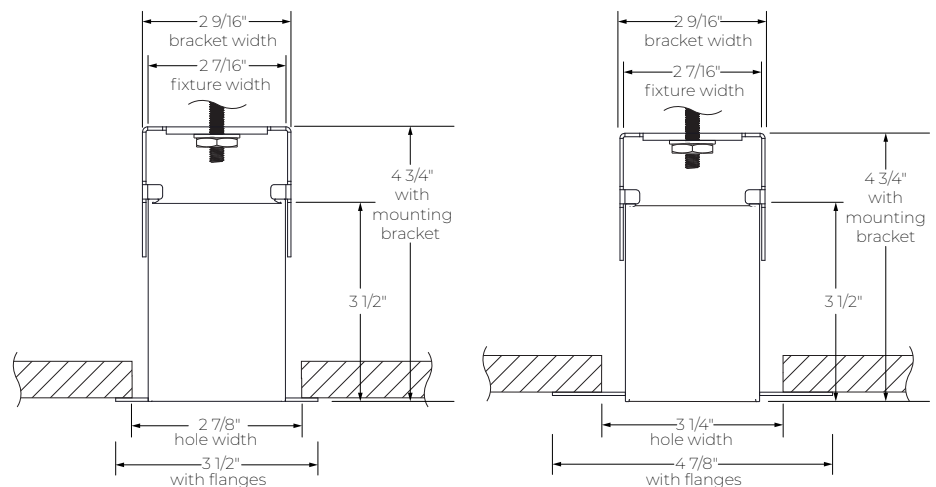
PENDANT



DIRECT

DIRECT/INDIRECT

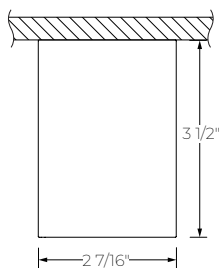
RECESSED



MTR - Trim

DMF - Drywall mud flange

SURFACE



DRC - Drywall ceiling

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Environment Options

DIRECT		DIRECT/INDIRECT	
IP65-RATED		IP64-RATED	
Fixture is dust-tight and sealed against water jets from any direction.		Fixture is dust-tight and sealed against water splashes from any direction.	
Wet listed		Wet listed	
Low-profile joiner bridge every 8'		Low-profile joiner bridge every 8'	
Direct		Indirect	Direct
OUTDOOR: Exposed to the elements		OUTDOOR: Slightly exposed to the elements	
Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F) **		Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F) **	
INDOOR: Wet Listed applications, healthcare applications, high-maintenance settings		INDOOR: Wet listed applications, healthcare applications, high-maintenance settings	

* 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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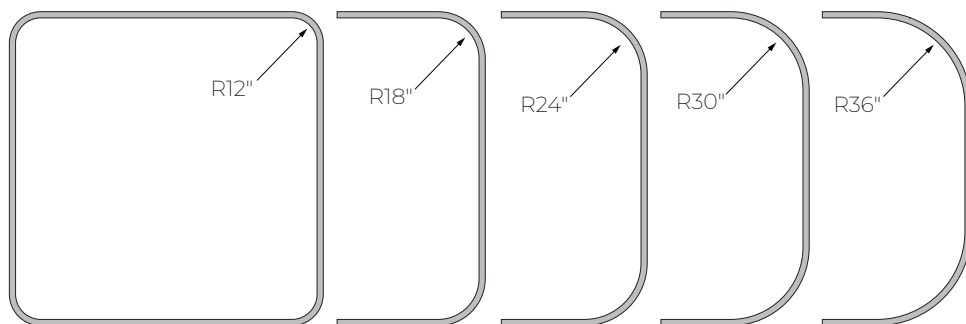
PENDANT - RECESSED - SURFACE



Shapes

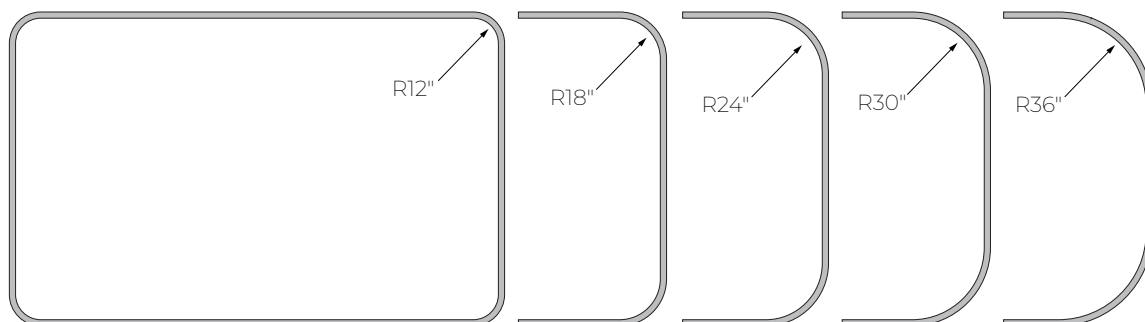
SQUARE SHAPE

RADIUS: 12", 18", 24", 30", 36".



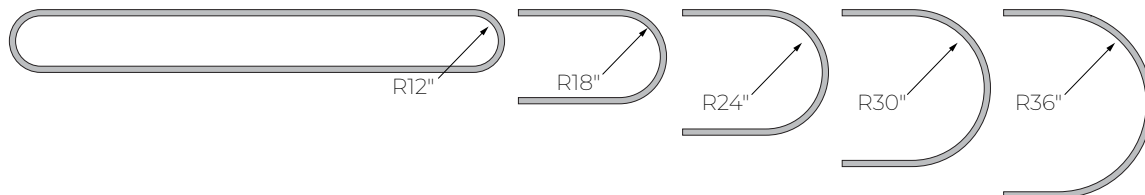
RECTANGLE SHAPE

RADIUS: 12", 18", 24", 30", 36".



CAPSULE SHAPE

RADIUS: 12", 18", 24", 30", 36".



Configuration diagrams are not to scale. For visualization purposes only.

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Photometrics

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

DIRECT OPTIC



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

INDIRECT OPTIC



LM/FT	W/FT	LM/W
350	2.4	149
500	3.5	145
750	5.4	139

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

Environmentally Protected Optic (EPDO, EPIO)

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

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.

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, up to 90% recycled content

Reflectors: Aluminum

Lens: Polycarbonate

Stem: Ø 1/2" threaded steel tube

WEIGHT

	Pendant	Recessed	Surface
IP65	2.2 lb/ft - 1 kg/ft	2.75 lb/ft - 1.25 kg/ft	2.2 lb/ft - 1 kg/ft
IP54	2 lb/ft - 0.90 kg/ft	2.5 lb/ft - 1.13.90 kg/ft	2 lb/ft - 0.90 kg/ft
IP64	2.75 lb/ft - 1.3 kg/ft	N/A	N/A

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CERTIFICATIONS

ETL: IP65 environment option is IP65 rated. WET environment option is rated for dry/damp locations. WETL environment option is ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of WETL and IP65 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.

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.