CURVIA 3 SEAL

SHAPES

PENDANT - RECESSED - SURFACE

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Declare.

5 YEAR WARRANTY 5 YEAR WARRANTY

Curvia Family (Refer to other spec sheets)

Curvia Mini	Curvia Prism	Curvia	Curvia XYZ	Curvia Horizon	Curvia Perimeter	Curvia Seal Perimeter	**Curvia Seal**	Curvia Acoustix
1"	2"	2", 3", 4"	2", 3"	2", 3"	2", 3", 4", 5"	2", 3", 4"	2", 3", 4"	2"
Ring	Ring	Ring	Pattern	Ring	Pattern	Pattern	Ring	Ring
	Shapes	Shapes		Shapes			**Shapes**	Shapes
	Pattern	Pattern					Pattern	Pattern

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IMPORTANT: Fixture must be installed with lens facing down.

Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT [1]	SIZE [2]	CORNER RADIUS Specify NA for capsule
	D			
SQUARE **CURV3SEALSQP** - Curvia 3" Seal Square Pendant **CURV3SEALSQR** - Curvia 3" Seal Square Recessed **CURV3SEALSQS** - Curvia 3" Seal Square Surface RECTANGLE **CURV3SEALREP** - Curvia 3" Seal Rectangle Pendant **CURV3SEALRER** - Curvia 3" Seal Rectangle Recessed **CURV3SEALRES** - Curvia 3" Seal Rectangle Surface CAPSULE **CURV3SEALCAP** - Curvia 3" Seal Capsule Pendant **CURV3SEALCAR** - Curvia 3" Seal Capsule Recessed **CURV3SEALCAS** - Curvia 3" Seal Capsule Surface	**D** - Direct	**IP65** - IP65-Rated **IP54** - IP54-Rated [1] See page 4 for more information on the features and installation details for each environment option.	**#FT#INX#FT#IN** [3, 4] - Overall length X overall width [2] The real dimension of the fixture can differ up to 2.5" from the nominal size. [3] Specify nominal length (#) and width (#) in 1' and/or 1" increments. [4] Minimum 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** [5] - Custom radius in inches **NA** [6] - Not applicable [5] Minimum radius is 8". Consult factory for smaller radii. [6] For capsule, radius is defined by size.

OPTIC	LIGHT SOURCE [7]	CRI	LUMEN PACKAGE [10]	COLOR TEMPERATURE	VOLTAGE
EPDO					
EPDO - Environmentally Protected Direct Optic	**SW** - Static white **FS** - Full spectrum [7] Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.	**80CRI** [8] - 80 CRI **90CRI** [8] - 90 CRI **95CRI** [9] - 95 CRI [8] Not available with full spectrum. [9] Not available with static white.	**350LMF** - Eco low output 350 lm/ft **500LMF** - Low output 500 lm/ft **750LMF** - Medium output 750 lm/ft **1000LMF** [11] - High output 1000 lm/ft [10] To calculate the total lumens, multiply the lumen package (lm/ft) by the length of the shape (ft). [11] Not available with full spectrum.	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [12] - 347V [12] Available with D1 driver only. Subject to factory evaluation.

DRIVER [13]	ELECTRICAL	ELECTRICAL SECTIONS (optional) [22, 23]
D1 - 1% 0-10V **ELV** [14, 15] - ELV 120V **TRI** [14, 15] - TRIAC 120V **DA** [16] - DALI **LDE1** [15, 16] - Lutron Hi-Lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V **RLTD10** [17] - Low-temperature 10% 0-10V [13] Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. [14] Available with 120V only. [15] Not suitable for temperatures below 0°C (32°F). [16] On-site commissioning is required. [17] Remote driver box required. Suitable for temperatures down to -40°C/F.	**1C** - 1 circuit **#MC** [18] - Multi circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [19, 20, 21] - Generator transfer device fixture [18] 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. [19] Integral or remote subject to factory evaluation. GTD must be housed with the driver. [20] Not available with 347V. [21] Not suitable for environments below 0°C (32°F).	**#EC##** [24] - Emergency-powered section **#NL##** [24] - Night light section **#DL##** [24] - Daylight section **#GTD##** [24, 25, 26, 27] - Generator transfer device section **#EMB** [25, 26, 27, 28, 29] - Emergency battery **NA** - None [22] Specify with multi circuit (#MC) electrical option only. [23] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [24] Specify quantity (#), and section length in inches (##). [25] Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. [26] Not available with 347V. [27] Not suitable for environments below 0°C (32°F). [28] Specify quantity (#). Each battery powers a 4' linear section. Minimum length of linear section is 5'. [29] All batteries will be on the same circuit.

POWER FEED	MOUNTING [31]			FINISH	OPTIONS
TF - Top feed **EF** [30] - End feed [30] Not available with pendant mounting.	**PENDANT** [32]	**RECESSED**	**SURFACE**	**W** - Matte white **AL** - Aluminum **B** - Matte black **WA** - White antimicrobial Silverwerx **CF#** - Custom finish, specify RAL#	**CRF** - Corrosion resistant finish **NA** - None
	STS - Stem, standard **STC( )** - Stem, custom	**MTR** - Trim **DMF** - Drywall mud flange	**GSM** - Gasketed surface mount		

[31] The mounting options selected must reflect the luminaire ID.
[32] Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.

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Pendant Mounting Code

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

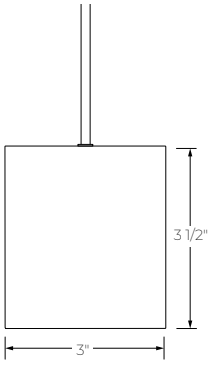
Example: STC(5NPC-36IN-W-STW-SLS)

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

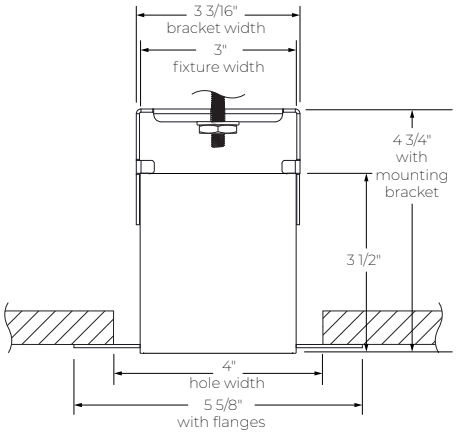
Dimensions

PENDANT

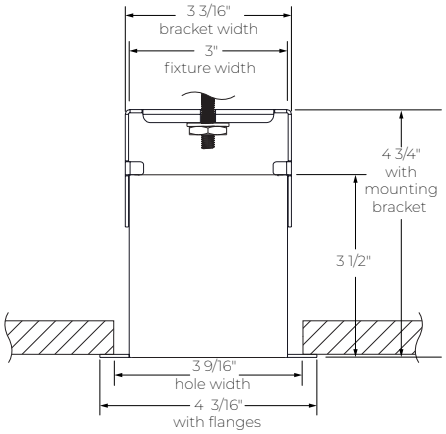


DIRECT

RECESSED

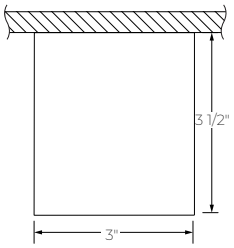


MTR - Trim



DMF - Drywall mud flange

SURFACE



GSM - Gasketed surface mount

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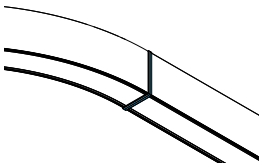
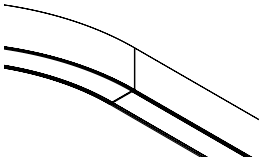
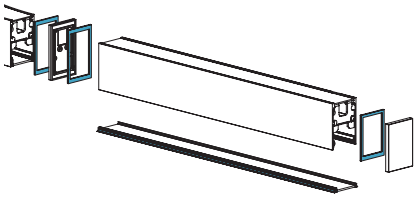
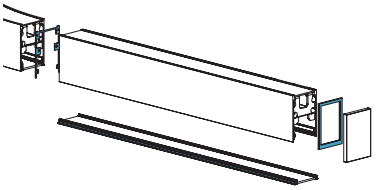
Environment Options

DIRECT	
IP65-RATED	**IP54-RATED**
Fixture is dust-tight and sealed against water jets from any direction.	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	Wet listed
Low-profile joiner bridge every 8'	Gasketed joiner
	
Direct	Direct
	
OUTDOOR: Exposed to the elements Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F) **	OUTDOOR: Mild exposure to the elements, under canopy Suitable for ambient temperatures of -20°C (-4°F) to 30°C (86°F)**
INDOOR: Wet Listed applications, healthcare applications, high-maintenance settings	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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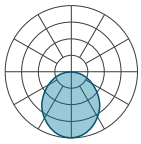
Photometrics
Values calculated based on Curvia 3 Ring Ø 2' at 3500K and 80 CRI.

DIRECT OPTIC

EPDO



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

MULTIPLIER TABLES
Use these tables to get results for different color temperatures and CRI.

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

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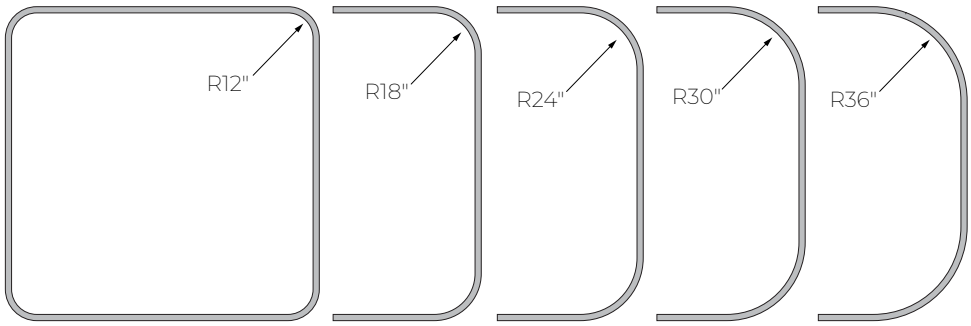
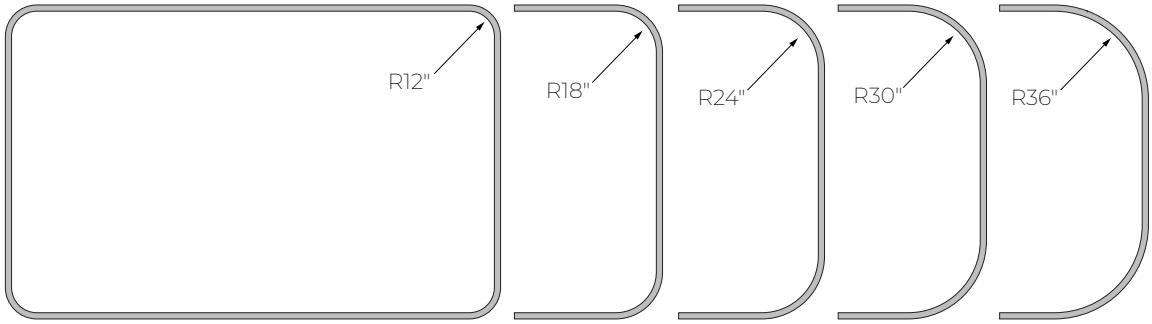
Shapes

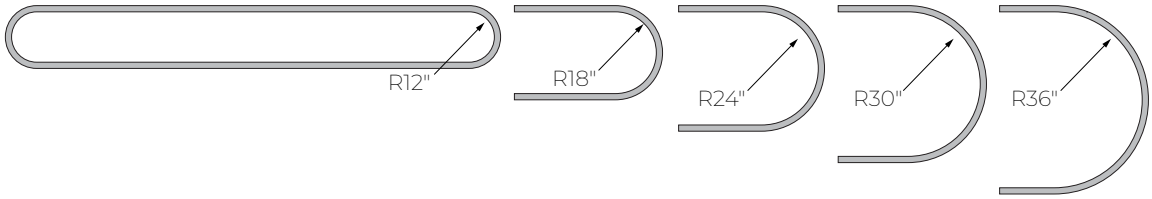
SQUARE SHAPE
RADIUS: 12", 18", 24", 30", 36".



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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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
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	2.5 lb/ft - 1.13 kg/ft	3 lb/ft - 1.36 kg/ft	2.5 lb/ft - 1.13 kg/ft
IP54	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 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.

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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.

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