

CURVIA SLIM SEAL 2

RING

PENDANT - RECESSED - SURFACE

SEALWERX SERIES

Lumenwerx



At just 1.25" tall and available in 1" and 2" widths, Curvia Slim Seal carries forward the curvilinear design language of Curvia Slim while adding sealed protection. Offered with three standard radii, 90° corners, and two endcap options, it enables the same arcs, rings, and patterns with an equally sleek profile. With IP54 and IP64 ratings, Slim Seal safeguards performance against dust and moisture, making it ideal for healthcare, hospitality, food service, and outdoor applications.



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



Curvia Slim 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 Pattern	Ring Shapes Pattern

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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT ^{1,2}	SIZE ³	OPTIC
	D			EPDO
CURVSLIMSEAL2RIP - Curvia Slim Seal 2" Ring Pendant CURVSLIMSEAL2RIR - Curvia Slim Seal 2" Ring Recessed CURVSLIMSEAL2RIS - Curvia Slim Seal 2" Ring Surface	D - Direct	IP64 - IP64-Rated IP54 - IP54-Rated <small>¹See page 5 for more information on the features and installation details for each environment option. ²Fixture must be installed with direct lens facing down.</small>	2FT - Ø 2' 3FT - Ø 3' 4FT - Ø 4'	EPDO - Environmentally Protected Direct Optic
				<small>³Dimensions are referenced to fixture centerline. See page 4 for actual dimensions.</small>

LIGHT SOURCE	CRI	LUMEN PACKAGE ⁴	COLOR TEMPERATURE	VOLTAGE
SW				
SW - Static white	80CRI - 80+ CRI 90CRI - 90+ CRI	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft 1000LMF - High output 1000 lm/ft	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	120V - 120V 277V - 277V UNV - 120V-277V 347V ⁵ - 347V

⁴To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π).

⁵Available with RD1 driver only.

DRIVER ⁶	ELECTRICAL	POWER FEED
REMOTE RD1 - 1% 0-10V RELV ⁷ - ELV 120V RTRI ⁷ - TRIAC 120V RDA ⁸ - DALI RLDE1 ⁸ - Lutron Hi-lume 1% Eco RELD1 - eidoLED 1% ECOdrive 0-10V RELD0 - eidoLED 0.1% SOLOdrive 0-10V RLTD10 - Low-temperature 10% 0-10V	1C - 1 circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{9,10} - Generator transfer device fixture	<u>Emergency battery option</u> ^{9,10,11} +EMB(FL) - Emergency battery, fully lit ⁹ Not available with 347V. ¹⁰ Not available for environments where the ambient temperature falls below 0°C (32°F). ¹¹ Not available with EC or GTD. To specify, add +EMB(FL) to the selected electrical option, e.g. 1C+EMB(FL).

⁶See page 5 for driver temperature ranges.

⁷Available with 120V only.

⁸On-site commissioning is required.

TF - Top feed
EF ¹² - End feed

¹²Not available with pendant mounting options.

MOUNTING ¹³	FINISH	WIRE HARNESS LENGTH ¹⁵	OPTION
PENDANT ¹⁴ STS - Stem, standard STC() - Stem, custom	RECESSED DTR - Trim DMF - Drywall mud flange	SURFACE GSM - Gasketed surface mount	W - Matte white B - Matte black AL - Aluminum WA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL# 10FT - 10' 20FT - 20' 30FT - 30' 50FT - 50' 70FT - 70' 90FT - 90' NA - Not applicable ¹⁵ Low-voltage, plenum-rated wire harness for remote driver.

¹³The mounting option selected must reflect the luminaire ID.

¹⁴Standard 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

Standard

For a standard mounting, please refer to the information below.

MOUNTING

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
- Power cord is black for black fixtures, and white for all other fixture finishes

Custom

Stem

For a custom mounting, specify the options in the parentheses.

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

MOUNTING

STC()

	NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	OPTION
STC	5NPC - Ø 5" non-power canopy	18IN - 18" 36IN - 36" #IN ¹ - Specify length in inches	W - Matte white B - Matte black AL - Aluminum CF# - Custom finish, specify RAL#	STW - Matte white STB - Matte black STAL - Aluminum STCF# - Custom finish, specify RAL#	SLS - Sloped ceiling for stem NA - None

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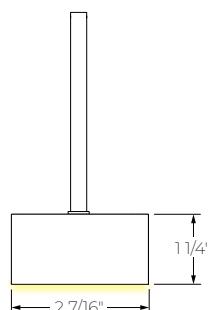
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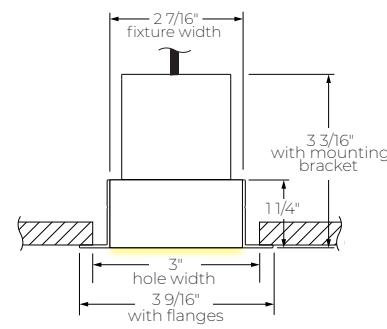
Dimensions

PENDANT

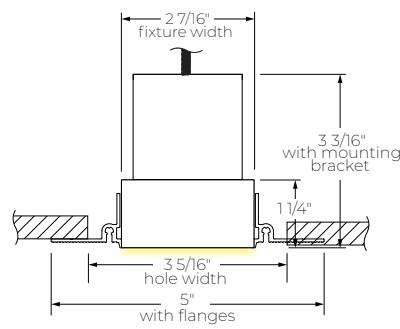


Nominal Diameter (FT)	Centerline diameter (IN)
2	19
3	36
4	43

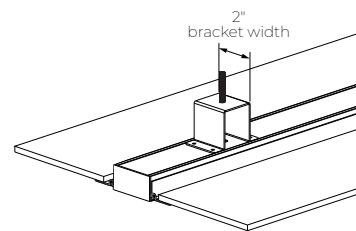
RECESSED



DTR - Trim

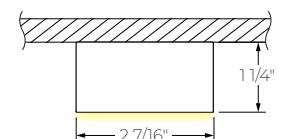


DMF - Drywall mud flange



Bracket shown with DMF

SURFACE



GSM - Gasketed surface mount

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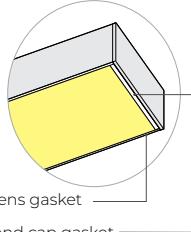
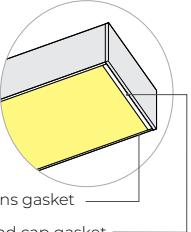
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Environment Options

Direct	
IP64	IP54
Dust tight	Water splash resistance
Dust protected	Water splash resistance
OUTDOOR	
Moderate exposure to the elements	Under canopy, slightly exposed
INDOOR	
Wipe down application	
Healthcare application	
 lens gasket end cap gasket	 lens gasket end cap gasket
Joiner gasket every 8'	Continuous line of light over 8'

Ambient Temperature Range based on driver selection

	RLDE1	RELV / RTRI	RDA / RELD1 / RELO	RD1	RLTD10
Minimum temperature:	0 °C / 32 °F	-10 °C / 14 °F	-20 °C / -4 °F	-30 °C / -22 °F	-40 °C / -40 °F
Maximum temperature:			40 °C / 104 °F		

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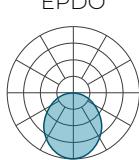
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Photometrics

Values calculated based on 3500K.



EPDO	LM/FT	W/FT	LM/W
	350	2.8	123
	500	4.0	125
	750	5.9	127
	1000	7.7	130

MULTIPLIER TABLE

Use this table to get results for different color temperatures.

CCT	WATTS		LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI	
2700K	1.02		0.98
3000K	1.00		1.00
3500K	1.00		1.00
4000K	0.97		1.03
5000K	0.97		1.03

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Technical Specifications

OPTIC

Environmentally Protected Direct 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

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. 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.

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. 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. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) 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: Powder-coat paint in matte white, matte black, or aluminum. Custom finishes are also available. Optional antimicrobial finish.

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content

Reflectors: Aluminum

Lens: Polycarbonate

Gaskets: closed-cell silicone foam

Stem: Ø 1/2" threaded steel tube

WEIGHT

Pendant: 0.84 lb/ft - 0.38 kg/ft

Recessed: 1.20 lb/ft - 0.54 kg/ft

Surface: 0.84 lb/ft - 0.38 kg/ft

CERTIFICATION

ETL: IP54-Rated environment option is rated for dry/damp locations. IP64-Rated 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 Wet Listed fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

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.