CURVIA SLIM SEAL 1

Lumenwerx

RING
PENDANT - RECESSED - SURFACE

SEALWERX SERIES

5 YEAR WARRANTY

1 1/4"

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.

SEAL IP COLLECTION

SEAMLESS PATTERNS

ALL-WEATHER TEMPERATURE

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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CURVIA-SLIM-SEAL-1-RING-SPEC-REV0   October 3, 2025

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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT [1, 2]	SIZE [3]	OPTIC
	D			**EPDO**
CURVSLIMSEAL1RIP - Curvia Slim Seal 1" Ring Pendant **CURVSLIMSEAL1RIR** - Curvia Slim Seal 1" Ring Recessed **CURVSLIMSEAL1RIS** - Curvia Slim Seal 1" Ring Surface	**D** - Direct	**IP64** - IP64-Rated **IP54** - IP54-Rated [1] See page 5 for more information on the features and installation details for each environment option. [2] Fixture must be installed with direct lens facing down.	**2FT** - Ø 2' **3FT** - Ø 3' **4FT** - Ø 4' [3] Dimensions are referenced to fixture centerline. See page 4 for actual dimensions.	**EPDO** - Environmentally Protected Direct Optic

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 [4] To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π).	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [5] - 347V [5] Available 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** - eldoLED 1% ECOdrive 0-10V **RELD0** - eldoLED 0.1% SOLOdrive 0-10V **RLTD10** - Low-temperature 10% 0-10V [6] See page 5 for driver temperature ranges. [7] Available with 120V only. [8] On-site commissioning is required.	**1C** - 1 circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [9, 10] - Generator transfer device fixture [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).	Emergency battery option [9, 10, 11] **+EMB(FL)** - Emergency battery, fully lit	**TF** - Top feed **EF** [12] - End feed [12] Not available with pendant mounting options.

MOUNTING [13]			FINISH	WIRE HARNESS LENGTH [15] Specify NA for Pendant	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.	**CRF** - Corrosion resistant finish **NA** - None

[13] The mounting option selected must reflect the luminaire ID.
[14] 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

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 [1] Minimum length is 6". Maximum length is 72". Stem is not field adjustable.	**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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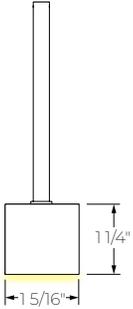# CURVIA SLIM SEAL 1

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Dimensions

PENDANT

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

1 1/4"

1 5/16"

RECESSED

1 5/16" fixture width

3 3/16" with mounting bracket

1 1/4"

1 7/8" hole width

2 7/16" with flanges

DTR - Trim

1 5/16" fixture width

3 3/16" with mounting bracket

1 1/4"

2 3/16" hole width

3 7/8" with flanges

DMF - Drywall mud flange

7 /8" bracket width
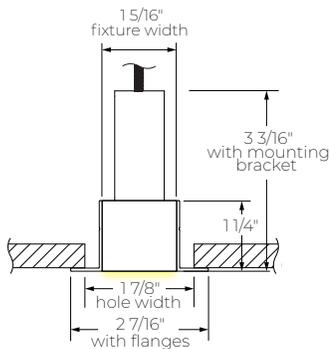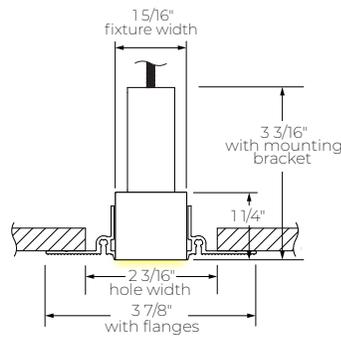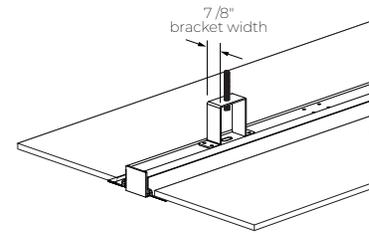
Bracket shown with DMF

SURFACE
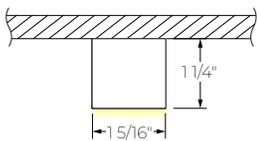
1 1/4"

1 5/16"

GSM - Gasketed surface mount

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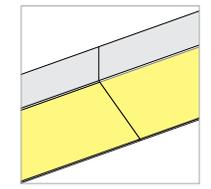# CURVIA SLIM SEAL 1

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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
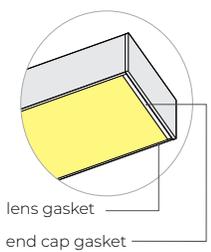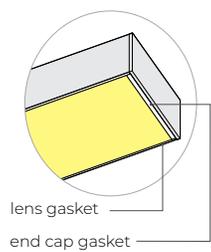
Joiner gasket every 8'	Continuous line of light over 8'
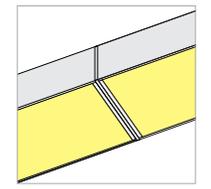
Ambient Temperature Range
based on driver selection

	RLDE1	RELV / RTRI	RDA / RELD1 / RELD0	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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Photometrics

Values calculated based on 3500K.

EPDO

LM/FT	W/FT	LM/W
350	3.4	103
500	4.8	104
750	7.1	106

MULTIPLIER TABLE

Use this table to get results for different color temperatures.

CCT	WATTS 80+ CRI / 90+ CRI	LPW 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:	0.57 lb/ft - 0.26 kg/ft
Recessed:	0.93 lb/ft - 0.42 kg/ft
Surface:	0.57 lb/ft - 0.26 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.

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