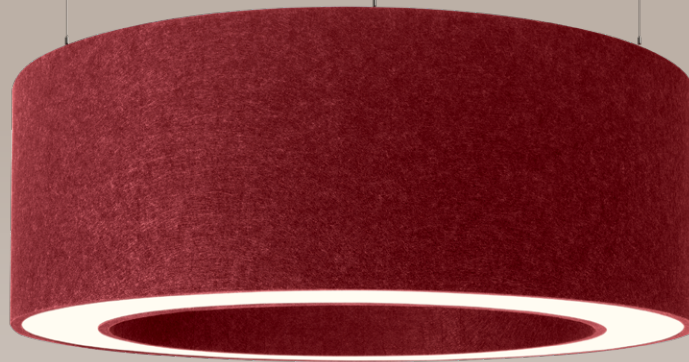# CURVIA 2 ACOUSTIX
RING
PENDANT

Lumenwerx

5 YEAR WARRANTY

Curvia Acoustix luminaires masterfully balance quality lighting with effective sound control through our acoustic felt, crafted from recycled plastic bottles. Available in over 30 colors, this felt not only reduces ambient noise but can also serve as a prominent design element in creating complete, unique acoustic lighting solutions.

SENSORS
For latest information on sensors, click here.

Curvia Acoustix Brochure

Curvia Additions Brochure

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 Shapes Pattern	Ring Shapes Pattern	Pattern	Ring Shapes	Pattern	Pattern	Ring Shapes Pattern	**Ring** Shapes Pattern

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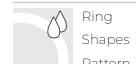
CURVIA 2 ACOUSTIX
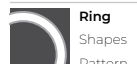
RING
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Project: _____

_____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	LUMINAIRE HEIGHT	SIZE [2]		DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE [5]
CURV2ACORP							
CURV2ACORP - Curvia 2" Acoustix Ring Pendant	**DI** - Direct/Indirect **D** - Direct	**8IN**[1] - 8" **12IN** - 12" **16IN** - 16" ¹ Not available with Direct/Indirect.	**2FT** - Ø 2' **3FT** - Ø 3' **4FT** - Ø 4' **5FT** - Ø 5' **6FT** - Ø 6'	**8FT** - Ø 8' **10FT** - Ø 10' **12FT** - Ø 12' **#FT**[3] - Custom, specify diameter (#) ² 8' And over will be shipped in separate pieces. ³ Minimum Ø 2'.	**HLO** - High-Efficiency Lambertian Optic **AOO**[4] - Asymmetric Opal Optic ⁴ Direction of light must be indicated on RCP/lighting plans.	**HLO** - High-Efficiency Lambertian Optic **NA** - Not applicable	**SW** - Static white **FS** - Full spectrum ⁵ Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.

CRI	DIRECT LUMEN PACKAGE [8]	INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.	VOLTAGE	DRIVER [10]
80CRI[6] - 80 CRI **90CRI**[6] - 90 CRI **95CRI**[7] - 95 CRI ⁶ Not available with full spectrum. ⁷ Not available with static white.	**350LMF** - Eco low output 350 lm/ft **500LMF** - Low output 500 lm/ft **750LMF** - Medium output 750 lm/ft ⁸ To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π).	**350LMF** - Eco low output 350 lm/ft **500LMF** - Low output 500 lm/ft **750LMF** - Medium output 750 lm/ft **NA** - Not applicable	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V**[9] - 347V ⁹ Only available with D1 driver. Minimum Ø 7' fixture for integral drivers.	**D1** - 1% 0-10V **ELV**[11] - ELV 120V **TRI**[11] - TRIAC 120V **DA**[12] - DALI **LDE1**[12] - Lutron Hi-Lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V ¹⁰ Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. ¹¹ Available with 120V only. ¹² On-site commissioning is required.

ELECTRICAL	MOUNTING [19]

ELECTRICAL

1C - 1 circuit
2C[13] - 2 circuits
EC - Emergency-powered fixture
NL - Night light fixture
DL - Daylight fixture
GTD[14, 15, 16] - Generator transfer device fixture
+EMB[14, 15, 17, 18] - Emergency battery

¹³ Available for Direct/Indirect only. Separate direct and indirect circuits.
¹⁴ Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver.
¹⁵ Not available with 347V.
¹⁶ Minimum Ø 3' fixture for integral GTD.
¹⁷ Only available with remote drivers. The battery powers the direct LEDs.
¹⁸ Not available with EC or GTD. To specify, add +EMB to the selected electrical option, e.g. 1C+EMB.

MOUNTING [19]

POWER	CANOPY FINISH	MOUNTING POINTS	MOUNTING LENGTH [24]	
BAC - Black power cord + aircraft cable **WAC** - White power cord + aircraft cable **STM**[20] - Stem	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF** - Custom finish, specify RAL#	**SC**[21, 22] - Single canopy **MC**[23] - Multiple canopies	**18IN** - 18" **24IN** - 24" **36IN** - 36" **48IN** - 48"	**60IN** - 60" **72IN** - 72" **96IN** - 96" **120IN** - 120"
			##IN - Specify nominal length in inches	

¹⁹ See page 3 for ordering details.
²⁰ Stem finish is the same color as fixture.
²¹ Available up to Ø 4ft only.
²² Not available with stem.
²³ 4 Canopies or more provided.
²⁴ For single canopy option the minimum required mounting heights are (distance from ceiling to top of fixture in inches): Ø 2ft - min 15" | Ø 3ft - min. 22" | Ø 4ft - min. 29"

FINISH	FELT COLOR	OPTIONS [27]

FINISH

W - Matte white
AL - Aluminum
B - Matte black
CF# - Custom finish, specify RAL#

FELT COLOR

STANDARD COLORS		PREMIUM COLORS [25, 26]			
FWN	LVN	PKN	CDN	IVN	BHN
FON	LEN	OGN	LCN	SLN	CFN
ION	CYN	LNN	SYN	CNN	GRN
TBN	PMN	LMN	BLN	GHN	MON
MDN	FGN	EGN	NVN	CLN	ESN

²⁵ Please consult factory for more color options.
²⁶ Lead time may vary.

OPTIONS [27]

FU120 - Fuse 120V
FU277 - Fuse 277V
CTB9[28] - T-bar caddy clip, 9/16"
CTB15[28] - T-bar caddy clip, 15/16"
CTG9[28] - Tegular caddy clip, 9/16"
CTG15[28] - Tegular caddy clip, 15/16"
CST[28] - Screw slot caddy clip
NA - None

²⁷ Separate codes with a "+" if more than one is specified.
²⁸ Available with aircraft cable only.

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Dimensions

8"
12"
16"

2 7/16"

3 1/8"

Mounting Options

J-BOX
(by others)

Ø 5" flat
canopy

*

POWER CORD + AIRCRAFT CABLE
SC - SINGLE CANOPY

J-BOX
(by others)

Ø 3" flat
canopy

Ø 5" flat
canopy
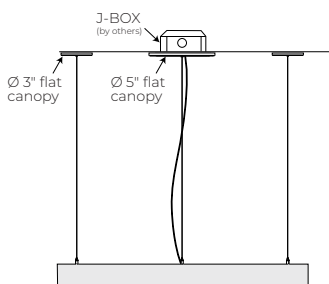
POWER CORD + AIRCRAFT CABLE
MC - MULTIPLE CANOPIES

J-BOX
(by others)

Ø 5" flat
canopy
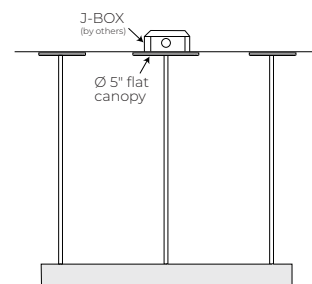
STEM
MC - MULTIPLE CANOPIES

* For single canopy option, the minimum required mounting heights: Ø 2' : min 15" | Ø 3' : min 22" | Ø 4' : min 29".

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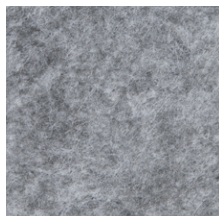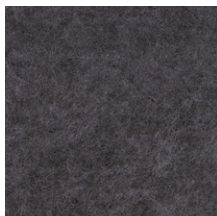Intertek

CURVIA 2 ACOUSTIX

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Standard Color Options

FWN - FROST WHITE	**FON** - FOG	**ION** - IRON	**TBN** - TRUE BLACK	**MDN** - MIDNIGHT BLUE
LVN - LAVENDER	**LEN** - LATTE	**CYN** - CHERRY	**PMN** - PLUM	**FGN** - FOREST GREEN
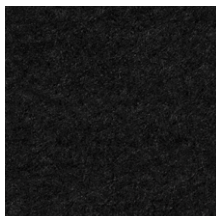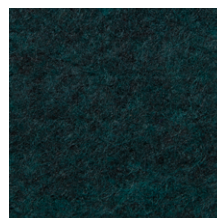
Premium Color Options*

PKN - PAPRIKA	**OGN** - ORANGE	**LNN** - LEMON	**LMN** - LIME	**EGN** - EVERGREEN
CDN - CLOUDY	**LCN** - LICHEN	**SYN** - SKY	**BLN** - BLUEBERRY	**NVN**- NAVY
IVN - IVORY	**SLN** - STEEL	**CNN** - CARBON	**GHN** - GRAPHITE	**CLN** - CHARCOAL
BHN – BLUSH	**CFN** - CAFÉ	**GRN** - GREIGE	**MON** - MOCHA	**ESN** - ESPRESSO
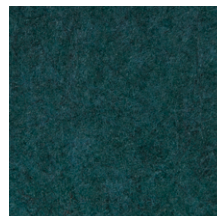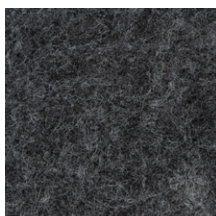
*Please consult factory for more color options.
*Lead time may vary.

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CURVIA 2 ACOUSTIX

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ACOUSTIC CALCULATOR

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.

Value calculator table

FIXTURE LENGTH	FIXTURE HEIGHT	Room dimensions under 300 sq ft			Room dimensions over 300 sq ft		
		GOOD ☺	BETTER ☺☺	BEST ☺☺☺	GOOD ☺	BETTER ☺☺	BEST ☺☺☺
% in reduction in reverberation time		25%	40%	50%	25%	40%	50%
1'	8"	4.75	2.25	1.5	7.25	3.75	2.5
	12"	7.25	3.5	2	11.25	5.5	3.5
	16"	9.5	4.75	3	14.5	7.25	4.75

Use the **Lumenwerx Acoustix Value Formula** to determine the number of luminaires needed in the room.

$$\frac{\text{Room square footage (sq ft)}}{\text{Fixture lenght (ft) } \textbf{x} \text{ Value}} = \text{Number of luminaires.}$$

Example: How many 4' length x 8" height luminaires are needed for a 10' x 10' room size, for a BEST (50%) acoustic:

(10' x 10') ÷ (4' x 1.5) = 17 luminaires

NOTES:

- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.
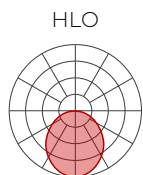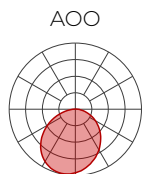
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Photometrics

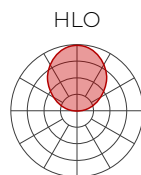Values calculated based on 4' straight segments at 3500K and 80 CRI for all optics.

DIRECT OPTICS

HLO

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

AOO

LM/FT	W/FT	LM/W
350	3.6	96
500	5.4	93
750	8.5	88

INDIRECT OPTIC

HLO

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.

$$\frac{\left(\text{DIRECT LM/FT} + \text{INDIRECT LM/FT} \right)}{\left(\text{DIRECT W/FT} + \text{INDIRECT W/FT} \right)} = \text{LPW}$$

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Technical Specifications

OPTICS

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.

Asymmetric Opal Optic (AOO)

The Asymmetric Opal Optic (AOO) provides targeted illumination while diffusing light evenly, minimizing glare and spill. Its design creates a soft, inviting ambiance, making it ideal for architectural and accent lighting in modern spaces.

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.

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 fixtures can be mounted either with aircraft cable or with stem.

FINISH

Interior: 95%, reflective matte powder coated white paint.
Exterior: Matte white, matte black or aluminum powder coating. Custom finishes are also available.

ACOUSTIC FINISH

Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

CARE

Remove dust and debris with a clean, dry, soft, lint-free cloth, or vacuum.

WEIGHT

Direct: 3 lb/ft - 1.36 kg/ft
Direct/Indirect: 5 lb/ft - 2.26 kg/ft

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

ENVIRONMENT

Ambient temperature at fixture location shall not exceed 30°C/86°F. For indoor use only.

CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

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.