

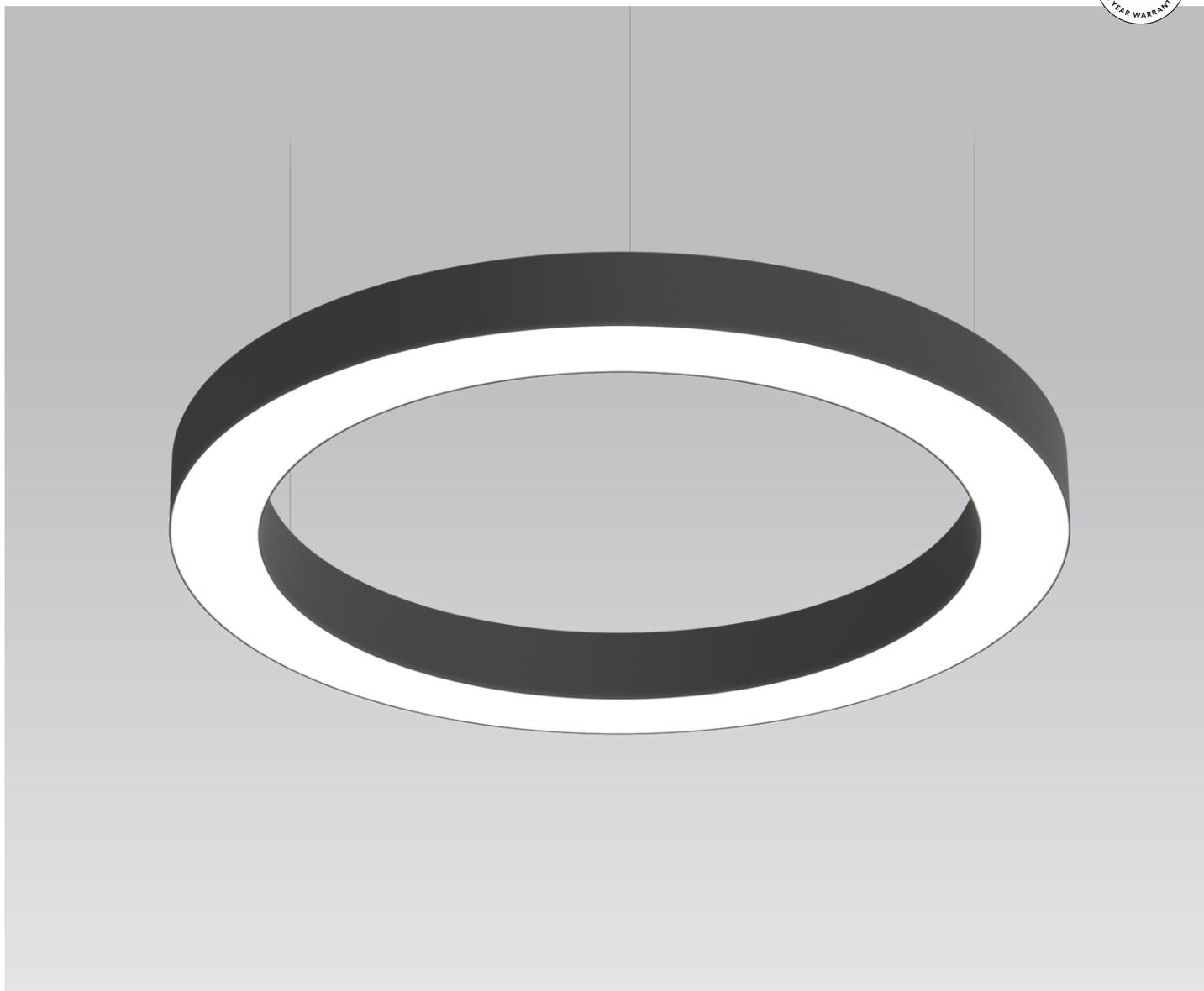
CURVIA 4

RING

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. Available in various mounting options and sizes, Curvia luminaires feature a unique, sophisticated aesthetic that complements their technical prowess in delivering precise, powerful, and comfortable lighting solutions.

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

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
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www.lumenwerx.com



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CURVIA4-RING-SPEC-REV3 November 15, 2024

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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	SIZE ²		DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture
CURV4RIP - Curvia 4" Ring Pendant CURV4RIR - Curvia 4" Ring Recessed CURV4RIS - Curvia 4" Ring Surface	D1 ¹ - Direct/Indirect D - Direct ¹ Available for pendant mounting only.	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 (#)	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

LIGHT SOURCE ⁵	CRI	DIRECT LUMEN PACKAGE ⁸	INDIRECT LUMEN PACKAGE ¹⁰ Specify NA for Direct fixture	COLOR TEMPERATURE
SW - Static white FS - Full spectrum ⁵ Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.	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 1000LMF ⁹ - High output 1000 lm/ft 1200LMF ⁹ - Ultra high output 1200 lm/ft ⁸ To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π). ⁹ Not available with full spectrum.	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 NA - Not applicable ¹⁰ To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π). ¹¹ Not available with full spectrum.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K

VOLTAGE	DRIVER ¹³	ELECTRICAL
120V - 120V 277V - 277V UNV - 120V-277V 347V ¹² - 347V ¹² Available with D1 driver only. Minimum Ø 3' fixture for integral drivers.	D1 - 1% 0-10V ELV ^{14,15} - ELV 120V TRI ^{14,15} - TRIAC 120V DA ^{15,16} - DALI LDE1 ^{15,16} - Lutron Hi-Lume 1% Eco ELD1 ^{15,16} - eldoLED 1% ECOdrive 0-10V ELDO ^{15,16} - eldoLED 0.1% SOLOdrive 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 Minimum Ø 3' fixture for integral drivers. ¹⁵ Available with 120V only. ¹⁶ On-site commissioning is required.	1C - 1 circuit 2C ¹⁷ - 2 circuits EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{18,19} - Generator transfer device fixture +EMB ^{18,19,20,21} - Emergency battery ¹⁷ Available for Direct/Indirect only. Separate direct and indirect circuits. ¹⁸ Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. ¹⁹ Not available with 347V. ²⁰ Minimum Ø 3' fixture for integral battery. The battery powers the direct LEDs. ²¹ Not available with EC or GTD. To specify, add +EMB to the selected electrical option, e.g. 1C+EMB.

MOUNTING ²²				FINISH		OPTIONS ²⁸
PENDANT				RECESSED DTR - Drywall trim DMF - Drywall mud flange	SURFACE DRC - Drywall ceiling	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL# FU120 - Fuse 120V FU277 - Fuse 277V CTB9 ²⁹ - T-bar caddy clip, 9/16" CTB15 ²⁹ - T-bar caddy clip, 15/16" CTG9 ²⁹ - Tegular caddy clip, 9/16" CTG15 ²⁹ - Tegular caddy clip, 15/16" CST ²⁹ - Screw slot caddy clip FWC ³⁰ - Flexible whip cable (6' std) CP ³⁰ - Chicago Plenum NA - None
POWER BAC - Black power cord + aircraft cable WAC - White power cord + aircraft cable STM ²³ - Stem	CANOPY FINISH W - Matte white AL - Aluminum B - Matte black CF - Custom finish, specify RAL#	MOUNTING POINTS SC ^{24,25} - Single canopy MC ²⁶ - Multiple canopies	MOUNTING LENGTH ²⁷ 18IN - 18" 24IN - 24" 36IN - 36" 48IN - 48" 60IN - 60" 72IN - 72" 96IN - 96" 120IN - 120" ##IN - Specify nominal length in inches			

²²The mounting options selected must reflect the luminaire ID.

²³Stem finish is the same color as fixture.

²⁴Available up to Ø 4' only.

²⁵Not available with stem.

²⁶4 Canopies or more provided.

²⁷For single canopy option the minimum required mounting heights are (distance from ceiling to top of fixture in inches): Ø 2' - min 15" | Ø 3' - min 22" | Ø 4' - min, 29"

²⁸Separate codes with a "+" if more than one is specified.

²⁹Available with pendant mounting aircraft cable option only.

³⁰Available with recessed mounting only.



CURVIA 4

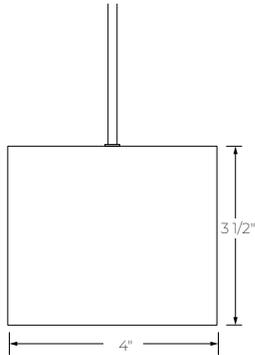
RING

PENDANT - RECESSED - SURFACE

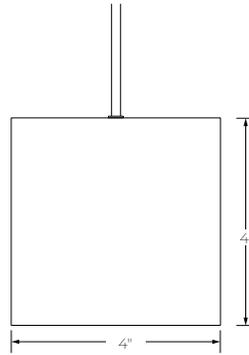


Dimensions

PENDANT

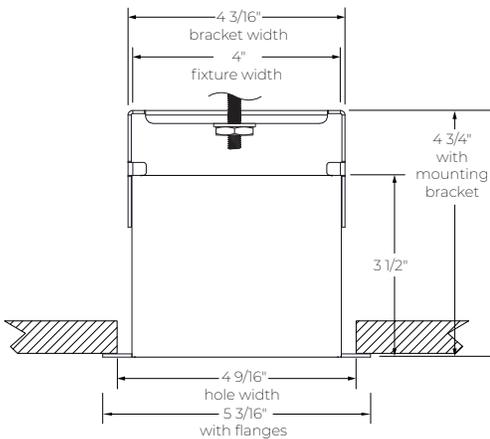


DIRECT

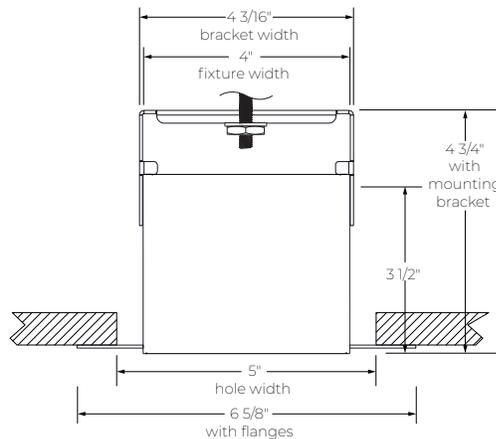


DIRECT/INDIRECT

RECESSED

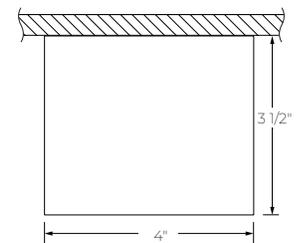


MTR - Trim



DMF - Drywall mud flange

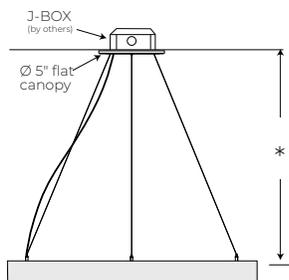
SURFACE



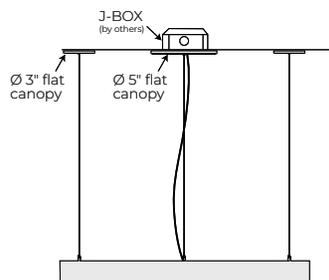
DRC - Drywall ceiling

Mounting Options

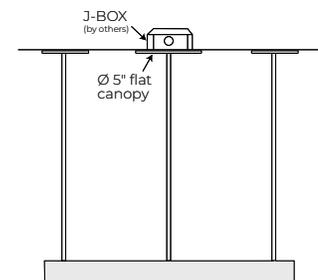
PENDANT



POWER CORD + AIRCRAFT CABLE
SC - SINGLE CANOPY



POWER CORD + AIRCRAFT CABLE
MC - MULTIPLE CANOPIES



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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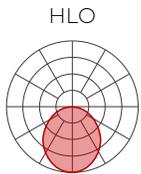


Photometrics

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

DIRECT OPTICS

INDIRECT OPTIC



LM/FT	W/FT	LM/W
350	2.7	132
500	3.9	129
750	6	126
1000	8.2	122
1200	10	119



LM/FT	W/FT	LM/W
350	2.4	149
500	3.5	145
750	5.4	139
1000	7.4	134



LM/FT	W/FT	LM/W
350	3.1	112
500	4.6	110
750	7.0	107
1000	9.6	104
1200	11.9	101

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

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.

MOUNTINGS

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

Recessed: Recessed fixtures can be mounted in drywall ceilings with trim or mud flange options.

Surface: Surface fixtures can be mounted directly to drywall and 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: Acrylic

Hanger: Chromed griplock securely attached with spring steel hardware in end caps and/or joiners

Aircraft cable suspension: Ø 1/16" stainless steel aircraft cable

Stem: Ø 1/2" threaded steel tube

WEIGHT

Pendant Direct: 2.5 lb/ft - 1.13 kg/ft

Pendant Direct/Indirect: 3.2 lb/ft - 1.45 kg/ft

Recessed: 3.2 lb/ft - 1.45 kg/ft

Surface 2.5 lb/ft - 1.13 kg/ft

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CERTIFICATIONS

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

IC rated: Suitable for direct contact with insulation. For Recessed mounting only.

Declare: [LBC Red List Approved](#)

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.