

CURVIA 2 PRISM

RING

PENDANT - RECESSED - SURFACE



Our extensive Curvia family illuminates with elegant curvilinear shapes and patterns, enhancing spaces with a soft touch and a graceful sense of movement. Curvia Prism luminaires integrate our Diamond Prism Optic (DPO), which minimizes glare and delivers high-quality, visually comfortable light.

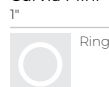
SENSORS
For latest information on sensors, click [here](#).



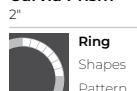
Curvia Additions Brochure

Curvia Family (Refer to other spec sheets)

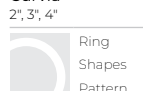
Curvia Mini



Curvia Prism



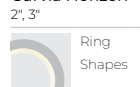
Curvia



Curvia XYZ



Curvia Horizon



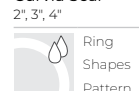
Curvia Perimeter



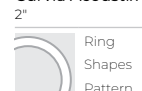
Curvia Seal



Curvia Seal



Curvia Acoustix



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Project: _____

Type: _____

Order Guide

A drawing of your configuration is required - anything from a line drawing to an architectural drawing. You can also use the template on page 3 to sketch your configuration.

LUMINAIRE ID	DISTRIBUTION	SIZE	CONFIGURATION ²	DIRECT OPTIC ⁴
CURV2PRRIP - Curvia 2" Prism Ring Pendant CURV2PRRIR - Curvia 2" Prism Ring Recessed CURV2PRRIS - Curvia 2" Prism Ring Surface	DI ¹ - Direct/Indirect D - Direct ¹ Available for pendant mounting only.	36IN - Ø 36" 72IN - Ø 72"	FULL - Fully lit CONA - Configuration A CONB - Configuration B ² See page 3 for details. ³ A drawing of your custom configuration is required - anything from a line drawing to an architectural drawing. You can also use the template on page 3 to sketch your layout. Louvers are 1ft nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks. Up to 7 louver sections are available for 36"; up to 15 for 72".	SDPO - Matte Silver Diamond Prism Optic PDPO - Precision Specular Diamond Prism Optic BDPO - Matte Black Diamond Prism Optic WDPO - Matte White Diamond Prism Optic ⁴ See page 6 for details.

INDIRECT OPTIC ⁵ Specify NA for Direct fixture	LIGHT SOURCE ⁶	CRI	DIRECT LUMEN PACKAGE ⁷	INDIRECT LUMEN PACKAGE ⁹ Specify NA for Direct fixture	COLOR TEMP.
HLO - High-Efficiency Lambertian Optic NA - Not applicable ⁵ The indirect distribution is always fully lit.	SW - Static white ⁶ Chromawerx SOLA and DUO also available. Consult factory.	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 ⁸ - High output 1000 lm/ft 1200LMF ⁸ - Ultra high output 1200 lm/ft ⁷ To calculate the total lumens, multiply the lumen package (lm/ft) by the circumference of the ring (diameter x π). ⁸ Not available with Matte Black Diamond Prism Optic.	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft NA - Not applicable ⁹ 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

VOLTAGE	DRIVER ¹¹	ELECTRICAL
120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁰ - 347V ¹⁰ Available with D1 driver only. Minimum Ø 7" fixture for integral drivers	D1 - 1% 0-10V ELV ¹² - ELV 120V TRI ¹² - TRIAC 120V DA ^{13,14} - DALI LDE1 ^{13,14} - Lutron Hi-Lume 1% Eco ELD1 ¹⁴ - eldoLED 1% ECOdrive 0-10V ELDO ¹⁴ - eldoLED 0.1% SOLOdrive 0-10V ¹¹ Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. ¹² Available with 120V only. ¹³ On-site commissioning is required. ¹⁴ Not available with integral driver for Ø 36".	1C - 1 circuit 2C ¹⁵ - 2 circuits EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{16,17,18} - Generator transfer device fixture +EMB ^{16,17,19,20} - Emergency battery ¹⁵ Available for Direct/Indirect only. Separate direct and indirect circuits. ¹⁶ Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. ¹⁷ Not available with 347V. ¹⁸ Minimum Ø 3" fixture for integral GTD. ¹⁹ Only available with remote drivers. The battery powers the direct LEDs. ²⁰ Not available with EC or GTD. To specify, add +EMB to the selected electrical option, e.g. 1C+EMB.

MOUNTING ²⁰				FINISH ²⁶		OPTIONS ²⁷
PENDANT				RECESSED	SURFACE	
MOUNTING TYPE	CANOPY FINISH	MOUNTING POINTS	MOUNTING LENGTH ²⁵	DTR - Drywall trim DMF - Drywall mud flange	DRC - Drywall ceiling	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL# ²⁶ The finish of blanks will match fixture finish. 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 FWC ²⁹ - Flexible whip cable (6' std) CP ²⁹ - Chicago Plenum NA - None ²⁷ Separate codes with a "+" if more than one is specified. ²⁸ Available with pendant mounting aircraft cable option only. ²⁹ Available with recessed mounting only.
BAC - Black power cord + aircraft cable WAC - White power cord + aircraft cable STM ²¹ - Stem ²⁰ The mounting options selected must reflect the luminaire ID. ²¹ Stem finish is the same color as fixture. ²² Only available with Ø 36". ²³ Not available with stem. ²⁴ Canopies provided. ²⁵ For single canopy option the minimum required mounting height is 22" for Ø 36" (distance from ceiling to top of fixture in inches).	W - Matte white AL - Aluminum B - Matte black CF - Custom finish, specify RAL#	SC ^{22,23} - Single canopy MC ²⁴ - Multiple canopies	18IN - 18" 24IN - 24" 36IN - 36" 48IN - 48" 60IN - 60" 72IN - 72" 96IN - 96" 120IN - 120" ##IN - Specify nominal length in inches			

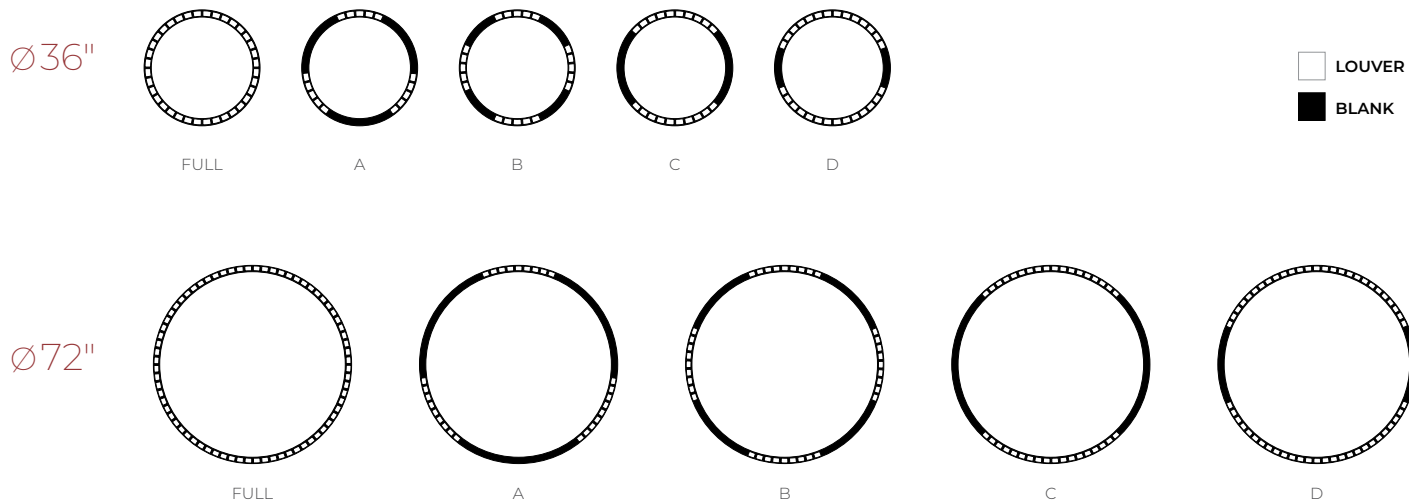
CURVIA 2 PRISM

RING

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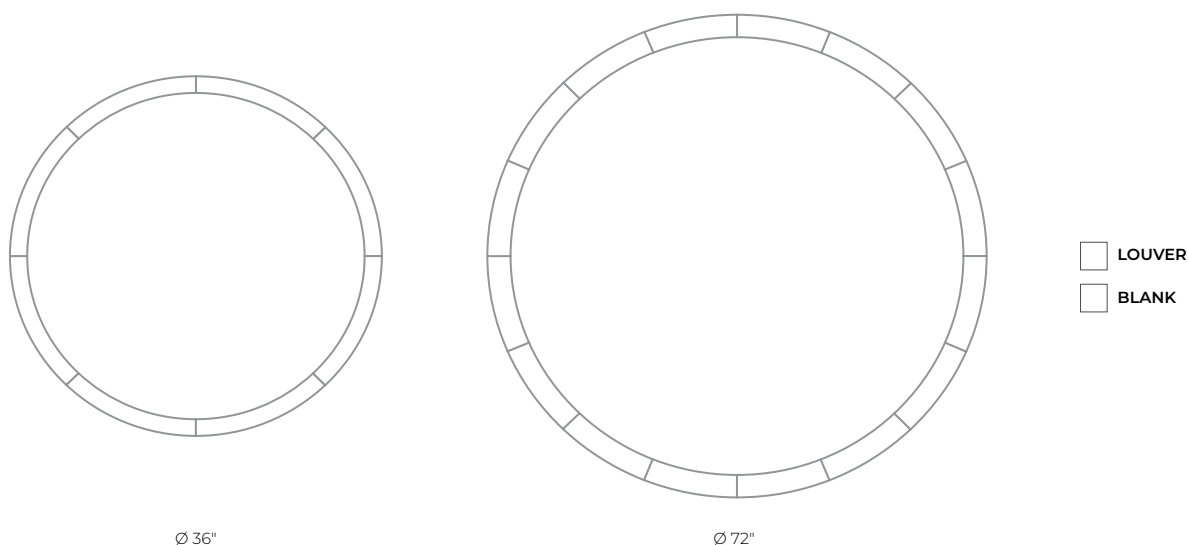


Configurations



Custom configuration

A drawing of your custom configuration is required - anything from a line drawing to an architectural drawing. You can also use the template below to sketch your layout. Louvers are 1" nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks. Up to 7 louver sections are available for 36"; up to 15 for 72".



Diagrams are not to scale. For visualization purposes only.

CURVIA 2 PRISM

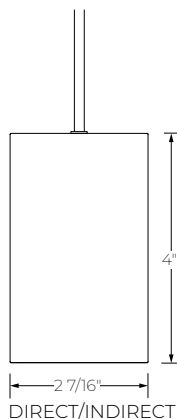
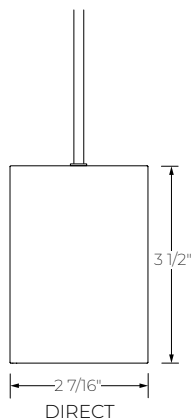
RING

PENDANT - RECESSED - SURFACE

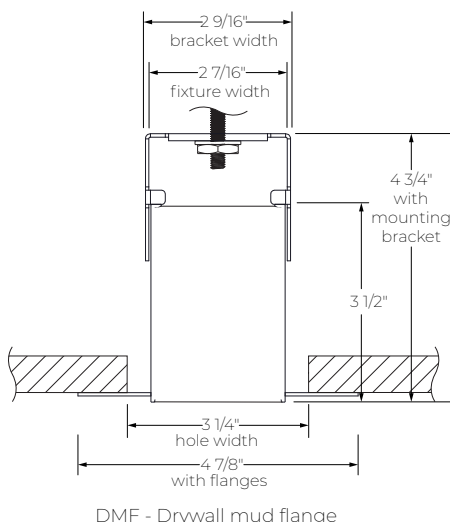
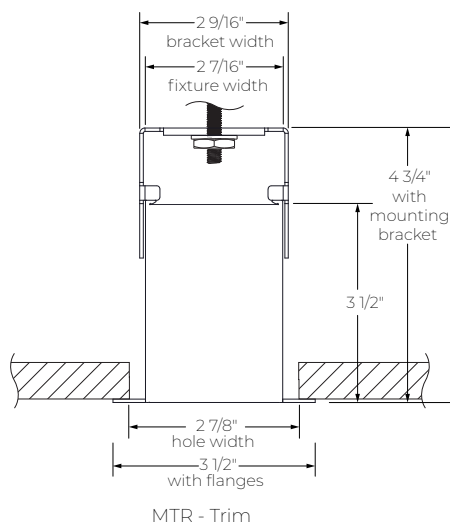


Dimensions

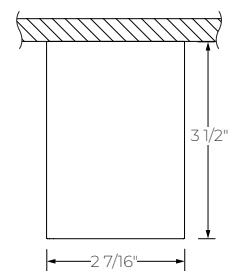
PENDANT



RECESSED

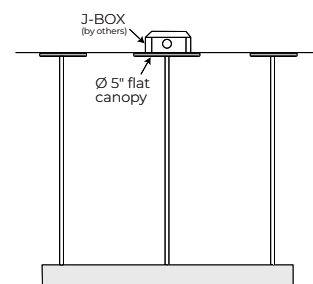
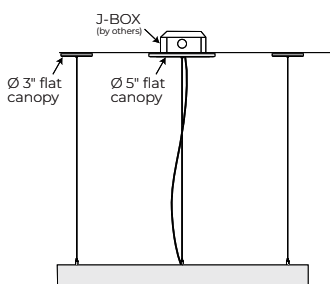
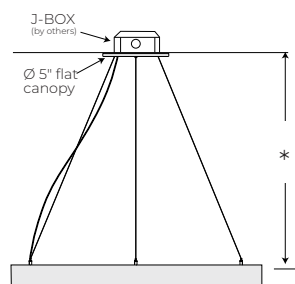


SURFACE



Mounting Options

PENDANT



*For single canopy option the minimum required mounting height is 22" for Ø 36" (distance from ceiling to top of fixture in inches).

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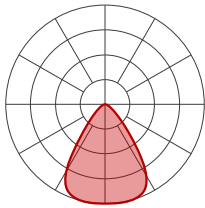


Photometrics

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

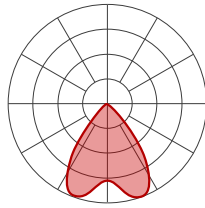
DIRECT OPTICS

MATTE SILVER
DIAMOND PRISM OPTIC



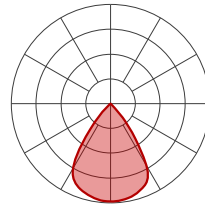
LM/FT	W/FT	LM/W
350	2.6	132
500	3.8	132
750	5.9	127
1000	8.2	122
1200	10	120

PRECISION SPECULAR
DIAMOND PRISM OPTIC



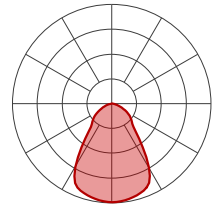
LM/FT	W/FT	LM/W
350	2.4	147
500	3.4	147
750	5.3	142
1000	7.3	137
1200	8.9	134

MATTE BLACK
DIAMOND PRISM OPTIC



LM/FT	W/FT	LM/W
350	5.1	69
500	7.5	66
750	11.9	63
1000	16.7	60

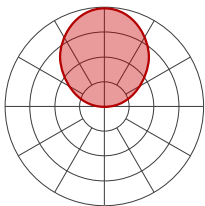
MATTE WHITE
DIAMOND PRISM OPTIC



LM/FT	W/FT	LM/W
350	2.4	145
500	3.5	144
750	5.4	139
1000	7.4	135
1200	9.1	132

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
SDPO, PDPO, BDPO, WDPO

CCT	WATTS		LPW	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	1.04	1.19	0.96	0.84
3000K	1.00	1.15	1.00	0.87
3500K	1.00	1.12	1.00	0.89
4000K	0.99	1.10	1.01	0.91
5000K	0.94	1.06	1.06	0.94

Multiplier - CCT/CRI
HLO

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

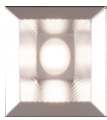
DIRECT OPTICS

Diamond Prism Optic (DPO)

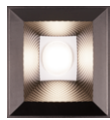
The Diamond Prism Optic™ (DPO™) is our patent-pending 3-tiered optic meticulously crafted to refract and reflect beams with great precision, effectively keeping glare to a minimum while delivering light of exceptional quality and visual comfort.



MATTE SILVER



PRECISION
SPECULAR



MATTE BLACK



MATTE WHITE

UGR - Diamond Prism Optic

LM/FT	MATTE SILVER	PRECISION SPECULAR	MATTE BLACK	MATTE WHITE
350	9.7	1.2	1.2	14.9
500	10.9	2.4	2.4	16.1
750	12.3	3.8	3.8	17.8
1000	13.3	4.8	N/A	18.8
1200	13.9	5.4	N/A	19.2

INDIRECT OPTIC

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.

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.

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% ECDriver 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: 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

HLO: Acrylic

Louvers: Polycarbonate

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. Stem finish is the same color as fixture. Custom finishes are also available.

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WEIGHT

Pendant Direct:	2 lb/ft - 0.91 kg/ft
Pendant Direct/Indirect:	2.5 lb/ft - 1.13 kg/ft
Recessed:	2.5 lb/ft - 1.13 kg/ft
Surface	2 lb/ft - 0.91 kg/ft

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.

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.