

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX



Curvia 2 Prism Square, Rectangle, and Capsule with Diamond Prism Optic (DPO) are curved fixtures that embrace space in a gentle, fluid manner. They can serve to enhance other curved interior design elements or they can add a soft touch to predominantly hard-edged, linear environments. Equipped with our patent-pending DPO, they keep glare to a minimum, delivering light of exceptionally high quality and maximum visual comfort.

Curvia Family (Refer to other spec sheets)

Curvia Mini



Ring
1"

Curvia 2 Prism



Ring
2"



Shapes
Square / Rectangle / Capsule
2"



Pattern
2"

Curvia 2, 3, 4



Ring
2" / 3" / 4"



Shapes
Square / Rectangle / Capsule
2" / 3" / 4"



Pattern
2" / 3" / 4"

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



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CURVIA2-PRISM-SHAPES-PENDANT-SURFACE-RECESSED-SPEC-REV2 May1,2023



CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX



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 pages 6, 7 and 8 to sketch your configuration.

LUMINAIRE ID	DISTRIB.	SIZE ²	CORNER RADIUS ⁴
SQUARE CURV2PRSQP - Curvia 2" Prism Square Pendant CURV2PRSQS - Curvia 2" Prism Square Surface CURV2PRSQR - Curvia 2" Prism Square Recessed RECTANGLE CURV2PRREP - Curvia 2" Prism Rectangle Pendant CURV2PRRES - Curvia 2" Prism Rectangle Surface CURV2PRRER - Curvia 2" Prism Rectangle Recessed CAPSULE CURV2PRCAP - Curvia 2" Prism Capsule Pendant CURV2PRCAS - Curvia 2" Prism Capsule Surface CURV2PRCAR - Curvia 2" Prism Capsule Recessed	DI ¹ - Direct/Indirect D - Direct ¹ Available for Pendant mounting only	SQUARE <u>Radius 18", Radius 36"</u> 4FTX4FT - 4' x 4' 5FTX5FT - 5' x 5' 6FTX6FT - 6' x 6' <u>Radius 36"</u> 8FTX8FT - 8' x 8' 10FTX10FT - 10' x 10' 12FTX12FT - 12' x 12' RECTANGLE <u>Radius 18", Radius 36"</u> 4FTX6FT - 4' x 6' 4FTX8FT - 4' x 8' 4FTX12FT - 4' x 12' 5FTX8FT - 5' x 8' 5FTX12FT - 5' x 12' 6FTX8FT - 6' x 8' 6FTX10FT - 6' x 10' 6FTX12FT - 6' x 12' <u>Radius 36"</u> 8FTX10FT - 8' x 10' 10FTX12FT - 10' x 12' CAPSULE <u>Radius 18"</u> 3FTX4FT - 3' x 4' 3FTX5FT - 3' x 5' 3FTX6FT - 3' x 6' 3FTX8FT - 3' x 8' 3FTX12FT - 3' x 12' <u>Radius 36"</u> 6FTX8FT - 6' x 8' 6FTX10FT - 6' x 10' 6FTX12FT - 6' x 12'	R18 - Radius 18" R36 - Radius 36" ⁴ Certain restrictions apply. See the SIZE section for list of sizes available with each corner radius option.

#FTX#FT ³ - Custom size, specify length of each side (#)

² Other sizes available, consult factory. 8ft and over will be shipped in separate pieces.

³ Minimum size: Square 4ft x 4ft, Rectangle 4ft x 6ft, and Capsule 3ft x 4ft.

CONFIGURATION	DIRECT OPTIC ⁷	INDIRECT OPTIC ⁸ Specify NA for Direct fixture	LIGHT SOURCE ⁹	CRI	DIRECT LUMEN PACKAGE
See pages 3-8 for details. FULL - Fully lit CONA - Config. A CONB - Config. B CONC - Config. C COND - Config. D CONE - Config. E CONF - Config. F CONG ⁵ - Config G CONH ⁵ - Config H CONI ⁵ - Config I CONCS ⁶ - Custom configuration ⁵ Available with Square 8' x 8' and up, Rectangle 6' x 8' and up, Capsule 6' x 8' and up. ⁶ A drawing of your configuration is required - anything from a line drawing to an architectural drawing. You can also use the templates on pages 6 - 8 to sketch your configuration.	SDPO - Matte Silver Diamond Prism Optic PDPO - Precision Specular Diamond Prism Optic BDPO - Matte Black Diamond Prism Optic WDPO - Matte White Diamond Prism Optic ⁷ See page 11 for details.	HLO - High-Efficiency Lambertian Optic NA - Not applicable ⁸ The indirect distribution is always fully lit.	SW - Static white FS - Full spectrum ⁹ Chromawerx Solo and Duo also available. Consult factory.	80CRI ¹⁰ - 80 CRI 90CRI ¹⁰ - 90 CRI 95CRI ¹¹ - 95 CRI ¹⁰ Not available with full spectrum. ¹¹ 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 ^{12,13} - High output 1000 lm/ft 1200LMF ^{12,13} - Ultra high output 1200 lm/ft ¹² Not available with full spectrum. ¹³ Not available with Matte Black Diamond Prism Optic.

INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.	VOLTAGE	DRIVER ¹⁵	ELECTRICAL
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	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁴ - 347V ¹⁴ Only available with DI or RD1 driver options.	INTEGRAL D1 - 1% 0-10V DA ¹⁶ - DALI LTEA2W ¹⁷ - Lutron 1% - 2 wire FP120V LDE1 ¹⁶ - Lutron Hi-Lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELD0 - eldoLED 0.1% SOLOdrive 0-10V ¹⁵ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁶ On-site commissioning is required. ¹⁷ Available with 120V only. ¹⁸ For emergency battery, code will be like the following example: RD1 + EB	REMOTE RD1 - 1% 0-10V RDA ¹⁶ - DALI RLTEA2W ¹⁷ - Lutron 1% - 2 wire FP120V RLDE1 ¹⁶ - Lutron Hi-Lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹⁸ - Emergency battery ¹⁹ Available for Direct/Indirect only. Separate direct and indirect circuits. ²⁰ Minimum 4' length. ²¹ Not available with 347V.

MOUNTING	FINISH ²⁷

PENDANT	SURFACE	RECESSED	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#
POWER BAC - Black power cord + aircraft cable WAC - White power cord + aircraft cable STM ²² - Stem (Ø0.5") ²² Stem finish is the same color as fixture.	DRC - Drywall ceiling	DTR - Drywall trim DMF - Drywall mud flange	²⁷ The finish of blanks will match fixture finish.
CANOPY FINISH W - Matte white AL - Aluminum B - Matte black CF - Custom finish, specify RAL#	MOUNTING POINTS SC ^{23,24} - Single canopy MC ²⁵ - Multiple canopies ²³ Only available with 4ft x 4ft Square. ²⁴ Not available with stem. ²⁵ 4 Canopies or more provided.	MOUNTING LENGTH ²⁶ 18IN - 18" 24IN - 24" 36IN - 36" 48IN - 48" 60IN - 60" 72IN - 72" 96IN - 96" 120IN - 120" ##IN - Specify nominal length in inches ²⁶ For single canopy option the minimum required mounting height is 29" for Square 4ft x 4ft (distance from ceiling to top of fixture in inches).	

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CURVIA2-PRISM-SHAPES-PENDANT-SURFACE-RECESSED-SPEC-REV2 May1,2023



CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

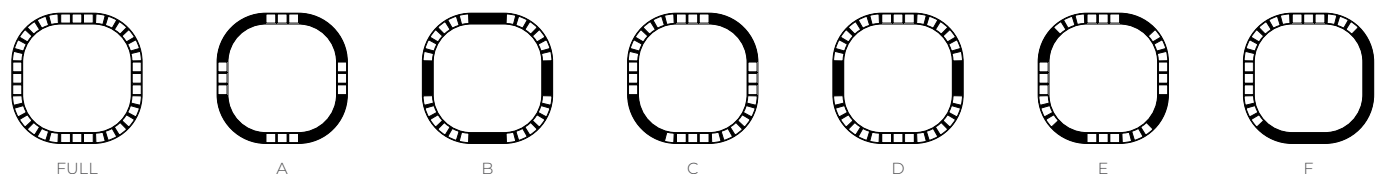
LUMENWERX

Standard Configurations: Square

Sizes: 4' x 4', 5' x 5', and 6' x 6'

Radius: 18"

Example shown with 44R18 - 4' x 4' radius 18"

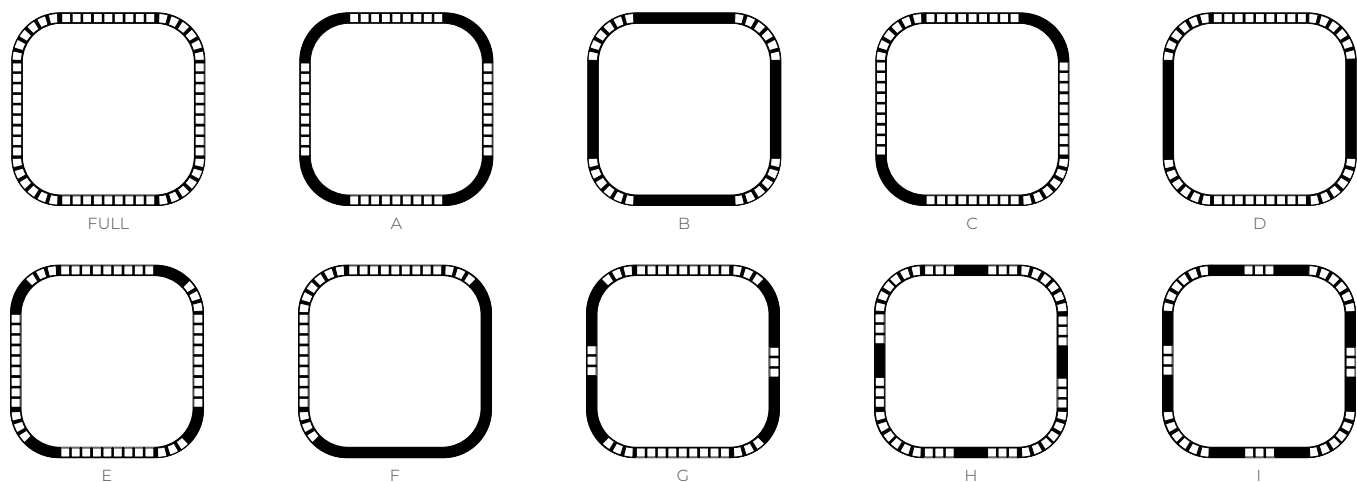


Configuration diagrams are not to scale. For visualization purposes only.

Sizes: 8' x 8', 10' x 10', and 12' x 12'

Radius: 18" and 36"

Example shown with 88R18 - 8' x 8' radius 18"



Configuration diagrams are not to scale. For visualization purposes only.

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

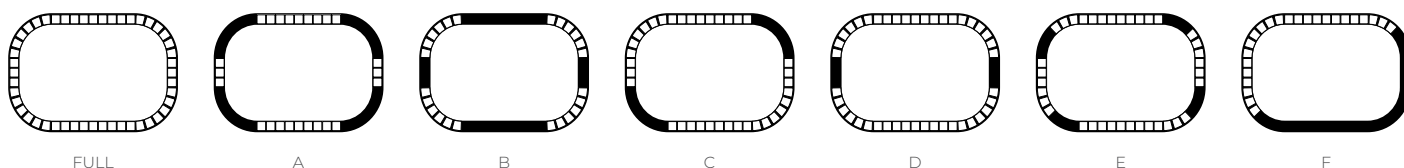
LUMENWERX

Standard Configurations: Rectangle

Sizes: 4' x 6', 4' x 8', 4' x 12', 5' x 8', and 5' x 12'

Radius: 18"

Example shown with 46R18 - 4' x 6' radius 18"



Configuration diagrams are not to scale. For visualization purposes only.

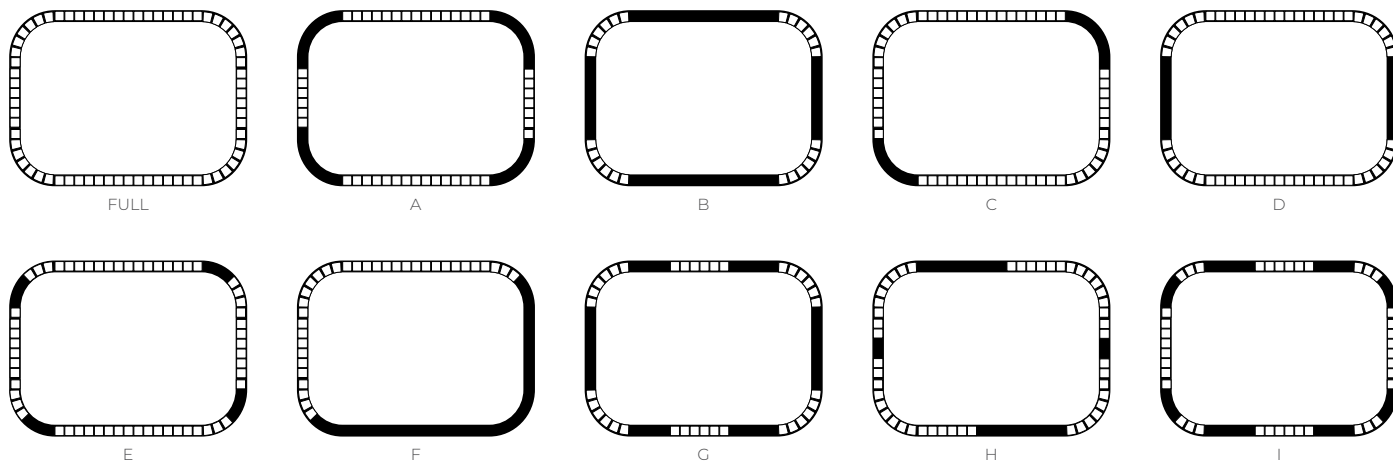
Sizes: 6' x 8', 6' x 10', 6' x 12', 8' x 10', and 8' x 12'

Radius: 18"

Sizes: 8' x 10', 8' x 12', and 10' x 12'

Radius: 36"

Example shown with 68R18 - 6' x 8' radius 18"



Configuration diagrams are not to scale. For visualization purposes only.

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

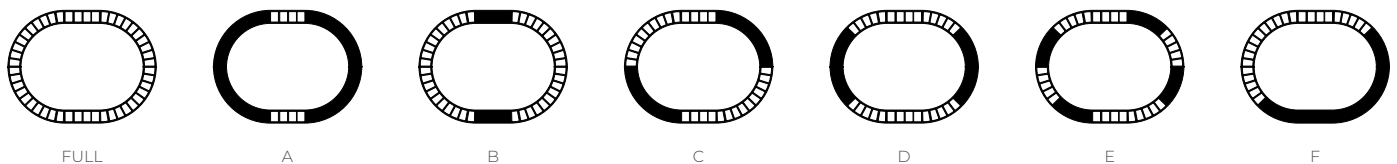
LUMENWERX

Standard Configurations: Capsule

Sizes: 3' x 4', 3' x 5', 3' x 6', 3' x 8', and 3' x 12'

Radius: 18"

Example shown with 34R18 - 3' x 4' radius 18"

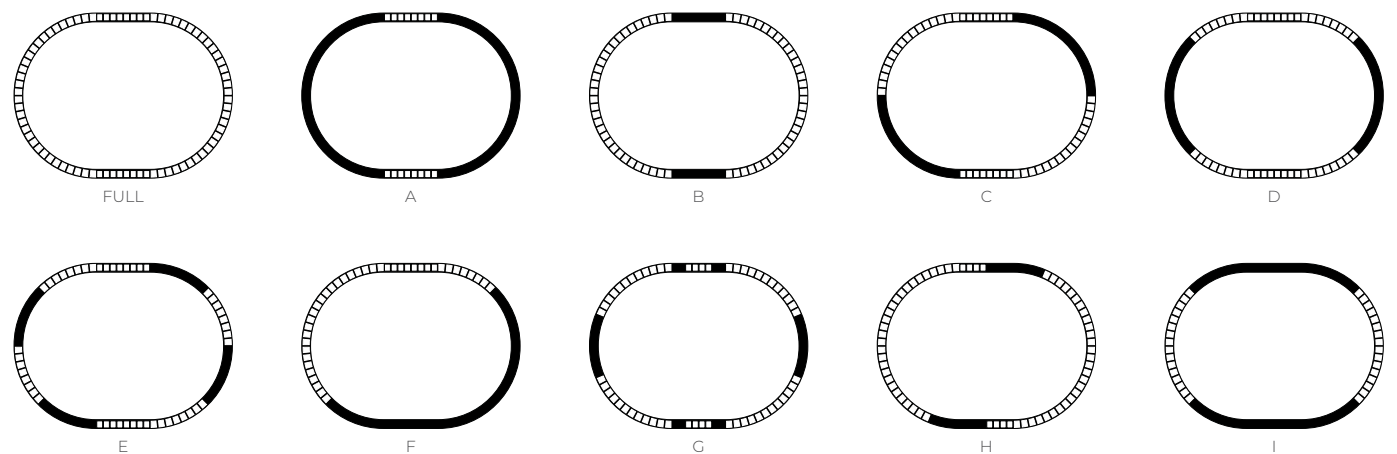


Configuration diagrams are not to scale. For visualization purposes only.

Sizes: 6' x 8', 6' x 10', and 6' x 12'

Radius: 36"

Example shown with 68R36 - 6' x 8' radius 36"



Configuration diagrams are not to scale. For visualization purposes only.

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

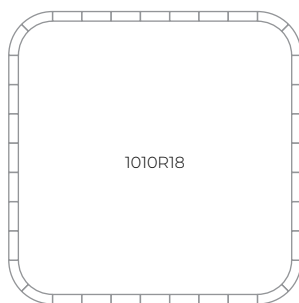
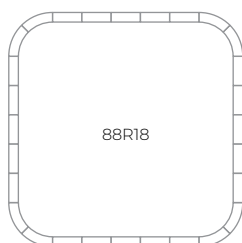
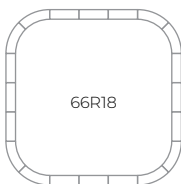
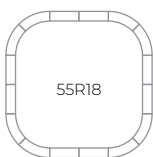
LUMENWERX



Custom configuration: Square

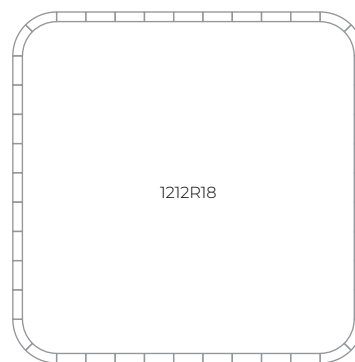
A drawing of your custom configuration is required - anything from a line drawing to an architectural drawing. You can also use the template below to sketch your layout. Louvers are 1ft nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks.

Radius 18"

Diagrams are not to scale. For visualization purposes only.

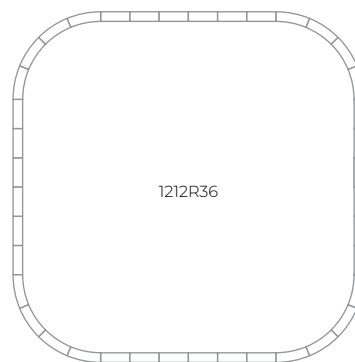
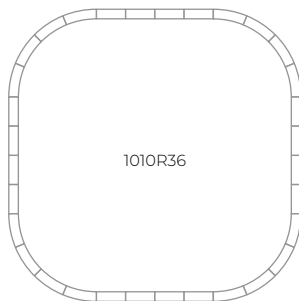
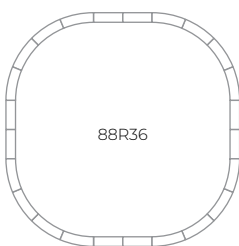


 LOUVER  BLANK



Radius 36"

Diagrams are not to scale. For visualization purposes only.



CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX

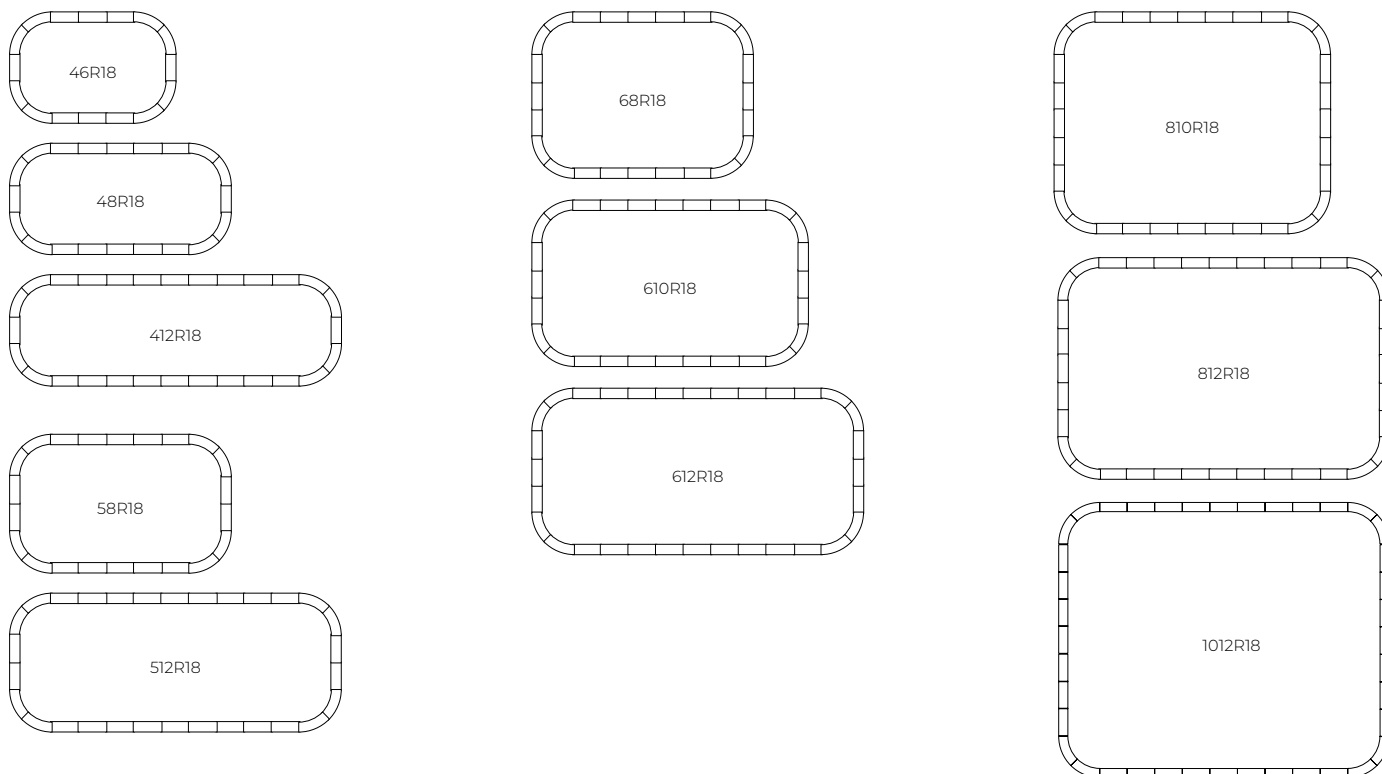
Custom configuration: Rectangle

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 1ft nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks.

Radius 18"

Diagrams are not to scale. For visualization purposes only.

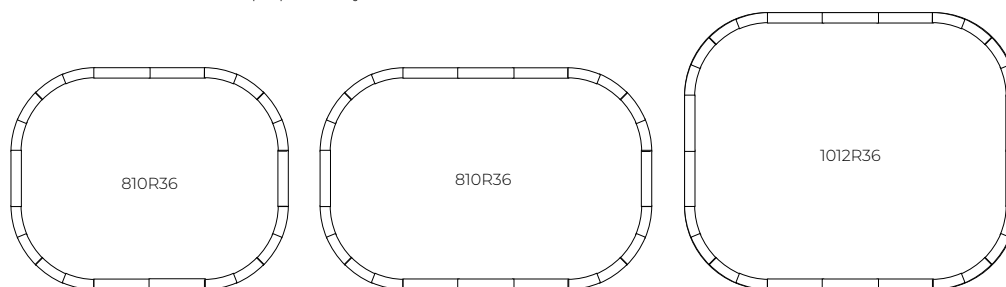
☐ LOUVER ☐ BLANK



Radius 36"

Diagrams are not to scale. For visualization purposes only.

☐ LOUVER ☐ BLANK



CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX

Custom configuration: Capsule

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 1ft nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks.

Radius 18"

Diagrams are not to scale. For visualization purposes only.

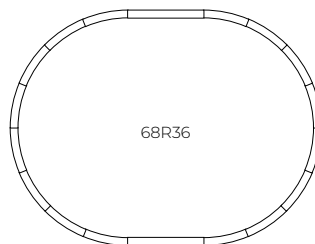


☐ LOUVER

☐ BLANK

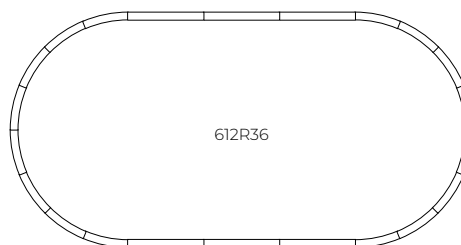
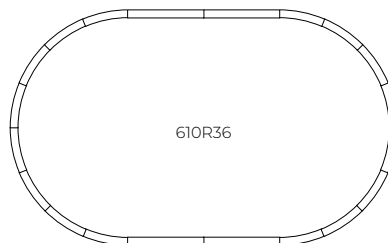


Radius 36"



☐ LOUVER

☐ BLANK



CURVIA 2 PRISM

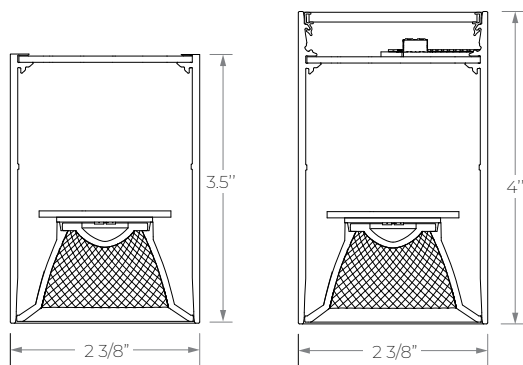
SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX

Section View

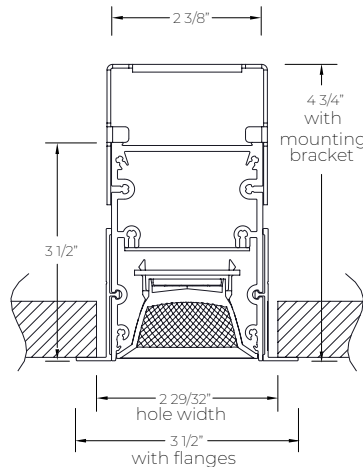
PENDANT, SURFACE



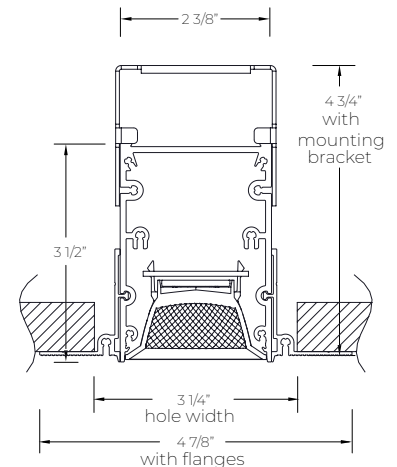
DIRECT

DIRECT/INDIRECT

RECESSED



DTR - Drywall trim

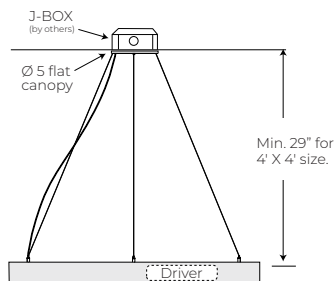


DMF - Drywall mud flange

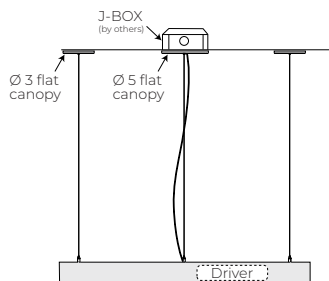
Mounting Options

PENDANT

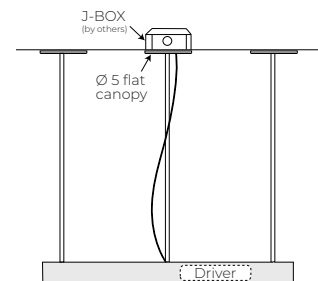
INTEGRAL DRIVER



POWER CORD + AIRCRAFT CABLE
SC - SINGLE CANOPY

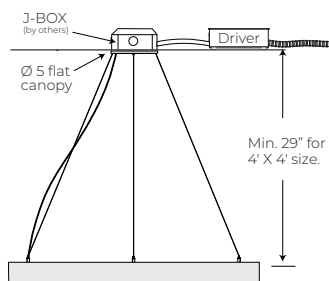


POWER CORD + AIRCRAFT CABLE
MC - MULTIPLE CANOPIES

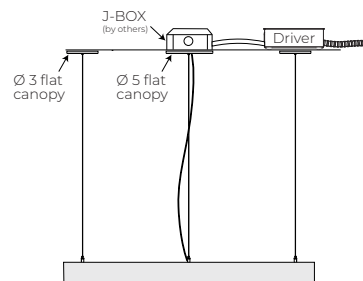


STEM
MC - MULTIPLE CANOPIES

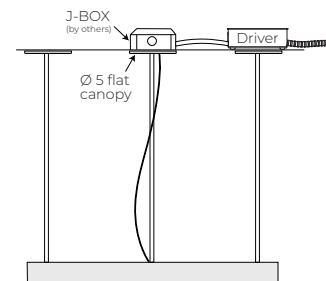
REMOTE DRIVER



POWER CORD + AIRCRAFT CABLE
SC - SINGLE CANOPY



POWER CORD + AIRCRAFT CABLE
MC - MULTIPLE CANOPIES



STEM
MC - MULTIPLE CANOPIES

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

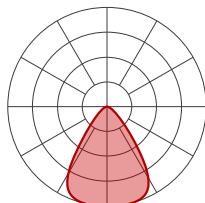
LUMENWERX

Photometrics

Values calculated based on 4 ft straight segments at 35K and 80 CRI for all optics.

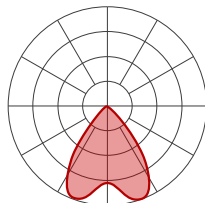
DIRECT OPTICS

MATTE SILVER
DIAMOND PRISM OPTIC



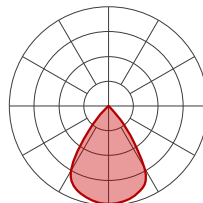
LM/FT	W/FT	LPW
350	2.6	132
500	3.8	132
750	5.9	127
1000	8.2	122
1200	10	120

PRECISION SPECULAR
DIAMOND PRISM OPTIC



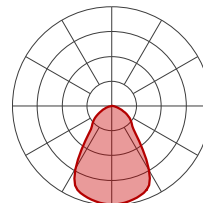
LM/FT	W/FT	LPW
350	2.4	147
500	3.4	147
750	5.3	142
1000	7.3	137
1200	8.9	134

MATTE BLACK
DIAMOND PRISM OPTIC



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

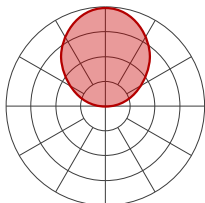
MATTE WHITE
DIAMOND PRISM OPTIC



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

INDIRECT OPTICS

HLO



LM/FT	W/FT	LPW
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 (K)	Watts		LPW	
	CRI80	CRI90	CRI80	CRI90
2700	1.04	1.19	0.96	0.84
3000	1.00	1.15	1.00	0.87
3500	1.00	1.12	1.00	0.89
4000	0.99	1.10	1.01	0.91

Multiplier - CCT/CRI
HLO

CCT (K)	Watts		LPW	
	CRI80	CRI90	CRI80	CRI90
2700	1.05	1.26	0.95	0.79
3000	1.01	1.23	0.99	0.81
3500	1.00	1.20	1.00	0.84
4000	1.00	1.17	1.00	0.85

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

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

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX

Technical Specifications

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.



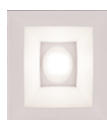
MATTE SILVER



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

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

Custom array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K and 4000K 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 (120-277VAC) 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% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, 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, 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 OPTION

Pendant

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

Surface

Fixtures can be mounted directly to drywall and hard surface ceilings, hardware supplied by others. A minimum distance of 6" from the vertical wall is required.

Recessed

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

FINISH

Interior - 95%, reflective matte powder coated white paint.

Exterior - Matte white, matte black or aluminum powder coating. Custom finishes are also available.

CURVIA 2 PRISM

SHAPES

PENDANT - SURFACE - RECESSED

LUMENWERX

CONSTRUCTION

Housing - Extruded aluminum and aluminum sheet, up to 90% recycled content

Reflectors - Aluminum

HLO - Acrylic and polycarbonate

Louvers - Polycarbonate

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

Aircraft cable suspension - 7x7 braids aluminum aircraft cable 0.06" thick

Stem - 0.5" diameter threaded steel tube matte white or aluminum powder coating. Custom finishes are also available.

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.