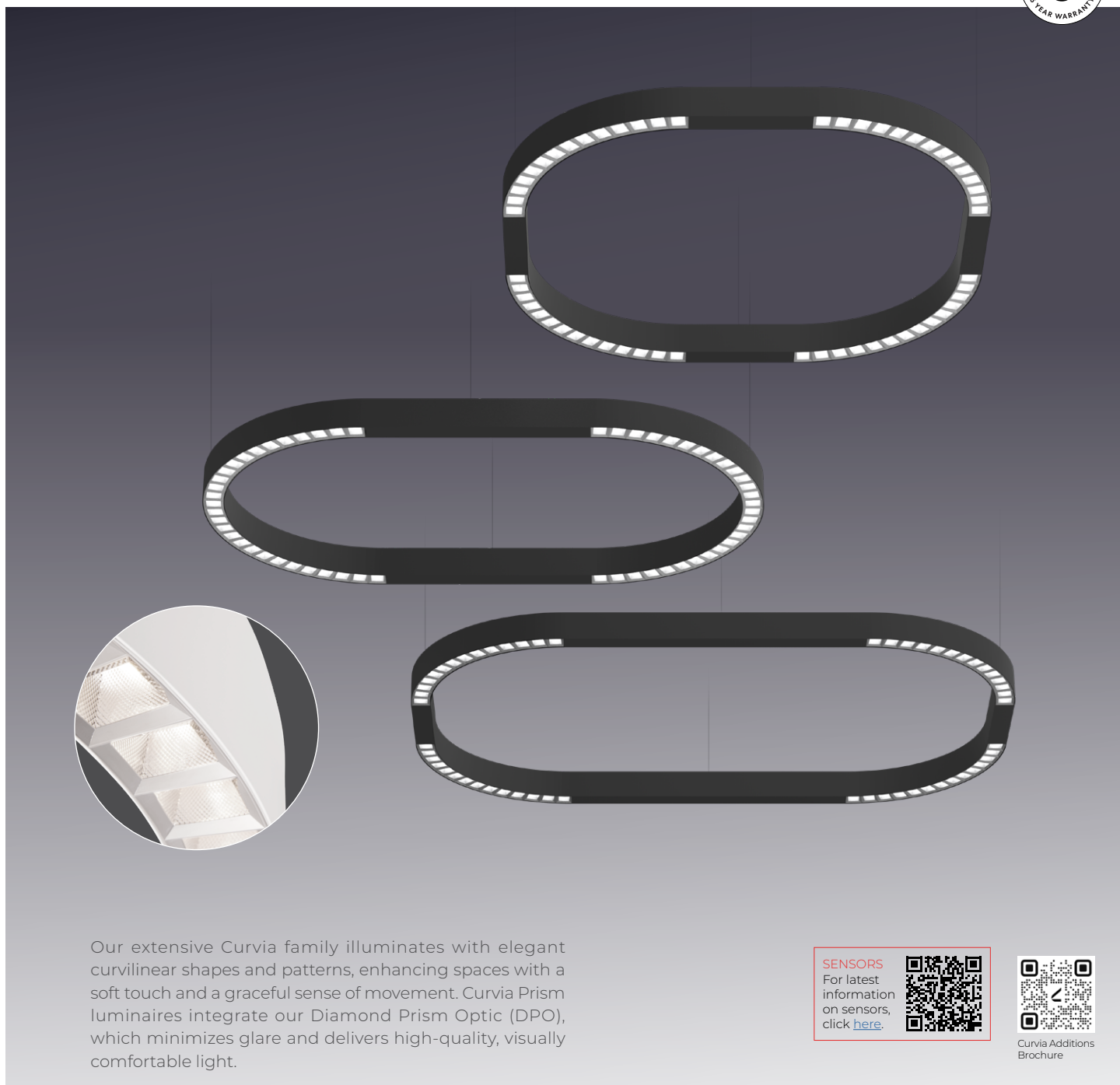


CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



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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CURVIA2-PRISM-SHAPES-SPEC-REV3 November 15, 2024

CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



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		
<p>SQUARE CURV2PRSQP - Curvia 2" Prism Square Pendant CURV2PRSQR - Curvia 2" Prism Square Recessed CURV2PRSQS - Curvia 2" Prism Square Surface</p> <p>RECTANGLE CURV2PRREP - Curvia 2" Prism Rectangle Pendant CURV2PRRER - Curvia 2" Prism Rectangle Recessed CURV2PRRES - Curvia 2" Prism Rectangle Surface</p> <p>CAPSULE CURV2PRCAP - Curvia 2" Prism Capsule Pendant CURV2PRCAR - Curvia 2" Prism Capsule Recessed CURV2PRCAS - Curvia 2" Prism Capsule Surface</p>	<p>D1 ¹ - Direct/Indirect D - Direct</p> <p>¹ Available for pendant mounting only.</p>	<p>SQUARE <u>Radius 18"</u> 4FTX4FT - 4' x 4' 5FTX5FT - 5' x 5' 6FTX6FT - 6' x 6' <u>Radius 18", Radius 36"</u> 8FTX8FT - 8' x 8' 10FTX10FT - 10' x 10' 12FTX12FT - 12' x 12'</p> <p>RECTANGLE <u>Radius 18"</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'</p> <p><u>Radius 18", Radius 36"</u> 8FTX10FT - 8' x 10' 8FTX12FT - 8' x 12' 10FTX12FT - 10' x 12'</p> <p>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'</p> <p><u>Radius 36"</u> 6FTX8FT - 6' x 8' 6FTX10FT - 6' x 10' 6FTX12FT - 6' x 12'</p> <p>R18 - Radius 18" R36 - Radius 36"</p> <p>⁴ Certain restrictions apply. See the SIZE section for list of sizes available with each corner radius option.</p>			
<p>CONFIGURATION See pages 3-8 for details.</p>	<p>DIRECT OPTIC ⁷</p>	<p>INDIRECT OPTIC ⁸ Specify NA for Direct fixture</p>	<p>LIGHT SOURCE ⁹</p>	<p>CRI</p>	<p>DIRECT LUMEN PACKAGE ¹⁰</p>
<p>FULL - Fully lit CONA - Config. A CONB - Config. B CONC - Config. C COND - Config. D CONE - Config. E</p> <p>CONF - Config. F CONG ⁵ - Config G CONH ⁵ - Config H CONI ⁵ - Config I CONCS ⁶ - Custom configuration</p> <p>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.</p>	<p>SDPO - Matte Silver Diamond Prism Optic PDPO - Precision Specular Diamond Prism Optic BDPO - Matte Black Diamond Prism Optic WDPO - Matte White Diamond Prism Optic</p> <p>⁷ See page 11 for details.</p>	<p>HLO - High-Efficiency Lambertian Optic NA - Not applicable</p> <p>⁸ The indirect distribution is always fully lit.</p>	<p>SW - Static white</p> <p>⁹ Chromawerx SOLA and DUO also available. Consult factory.</p>	<p>80CRI - 80 CRI 90CRI - 90 CRI</p>	<p>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 1200LMF ¹¹ - Ultra high output 1200 lm/ft</p> <p>¹⁰ To calculate the total lumens, multiply the lumen package (lm/ft) by the length of the shape (ft). ¹¹ Not available with Matte Black Diamond Prism Optic.</p>
<p>INDIRECT LUMEN PACKAGE ¹² Specify NA for Direct fixture</p>	<p>COLOR TEMP.</p>	<p>VOLTAGE</p>	<p>DRIVER ¹⁴</p>	<p>ELECTRICAL</p>	
<p>350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft NA - Not applicable</p> <p>¹² To calculate the total lumens, multiply the lumen package (lm/ft) by the length of the shape (ft).</p>	<p>27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K</p>	<p>120V - 120V 277V - 277V UNV - 120V-277V 347V ¹³ - 347V</p> <p>¹³ Available with D1 driver only. Subject to factory evaluation.</p>	<p>D1 - 1% 0-10V ELV ¹⁵ - ELV 120V TRI ¹⁵ - TRIAC 120V DA ¹⁶ - DALI</p> <p>¹⁴ Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. ¹⁵ Available with 120V only. ¹⁶ On-site commissioning is required.</p>	<p>LDE1 ¹⁶ - Lutron Hi-Lume 1% Eco ELD1 - eldoLED 1% ECODrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V</p> <p>¹⁷ Available for Direct/Indirect only. Separate direct and indirect circuits. ¹⁸ Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit for integral drivers. ¹⁹ Integral or remote subject to factory evaluation. GTD must be housed with the driver. ²⁰ Not available with 347V. ²¹ Minimum 18" radius for integral GTD.</p>	<p>1C - 1 circuit 2C ¹⁷ - 2 circuits #MC ¹⁸ - Multi circuit EC - Emergency-powered fixture</p> <p>NL - Night light fixture DL - Daylight fixture GTD ^{19, 20, 21} - Generator transfer device fixture</p>
<p>ELECTRICAL SECTIONS (optional) ^{22, 23}</p>	<p>MOUNTING ³⁰</p>	<p>FINISH ³²</p>	<p>OPTIONS ³³</p>		
<p>#EC## ²⁴ - Emergency-powered section #NL## ²⁴ - Night light section #DL## ²⁴ - Daylight section #GTD## ^{24, 25, 26, 27} - Generator transfer device section #EMB ^{25, 26, 28, 29} - Emergency battery NA - None</p> <p>²² Specify with multi circuit (#MC) electrical option only. ²³ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²⁴ Specify quantity (#), and section length in inches (##). ²⁵ Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. ²⁶ Not available with 347V. ²⁷ Minimum 18" radius for integral GTD. ²⁸ Specify quantity (#). Each battery powers a 4' linear section. Minimum length of linear section is 5' for Direct and 8' for Direct/Indirect. ²⁹ All batteries will be on the same circuit and power the direct LEDs.</p>	<p>PENDANT ³¹</p> <p>ACS - Aircraft cable, standard STS - Stem, standard ACC() - Aircraft cable, custom STC() - Stem, custom</p> <p>³⁰ The mounting options selected must reflect the luminaire ID. ³¹ Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.</p>	<p>RECESSED</p> <p>DTR - Drywall trim DMF - Drywall mud flange</p>	<p>SURFACE</p> <p>DRC - Drywall ceiling</p> <p>³² The finish of blanks will match fixture finish.</p>	<p>W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#</p> <p>³³ Separate codes with a "+" if more than one is specified. ³⁴ Available with pendant mounting aircraft cable option only. ³⁵ Available with recessed mounting only.</p>	<p>FU120 - Fuse 120V FU277 - Fuse 277V CTB9 ³⁴ - T-bar caddy clip, 9/16" CTB15 ³⁴ - T-bar caddy clip, 15/16" CTC9 ³⁴ - Tegular caddy clip, 9/16"</p> <p>CTG15 ³⁴ - Tegular caddy clip, 15/16" CST ³⁴ - Screw slot caddy clip FWC ³⁵ - Flexible whip cable (6' std) CP ³⁵ - Chicago Plenum NA - None</p>

CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



Pendant Mounting Code

Aircraft Cable

Standard

ACS - Aircraft cable, standard

- Ø 5" for power canopy
- Ø 3" for non-power canopy
- Canopies are black for black fixtures, and white for all other fixture finishes
- Power cord is black for black fixtures, and white for all other fixture finishes
- Aircraft cable length is 36"

Custom

Example: ACC(3NPC-72IN-W-PCB-SLC)

ACC() - Aircraft cable, custom

NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTIONS
3NPC - Ø 3" non-power canopy 5NPC - Ø 5" non-power canopy	36IN - 36" 72IN - 72" 120IN - 120" #IN ¹ - Other lengths, specify in inches <small>¹ Maximum length is 288". For longer lengths, please consult factory.</small>	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	PCW - White PCB - Black	SEM - Seismic mounting SLC - Sloped ceiling for aircraft cable NA - None

Stem

Standard

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

Custom

Example: STC(5NPC-36IN-W-STW-SLS)

STC() - Stem, custom

NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	OPTIONS
5NPC - Ø 5" non-power canopy	18IN - 18" 36IN - 36" #IN ² - Specify length in inches <small>² Minimum length is 6". Maximum length is 72". Stem is not field adjustable.</small>	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	STW - Matte white STAL - Aluminum STB - Matte black STCF# - Custom finish, specify RAL#	SLS - Sloped ceiling for stem NA - None

CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE

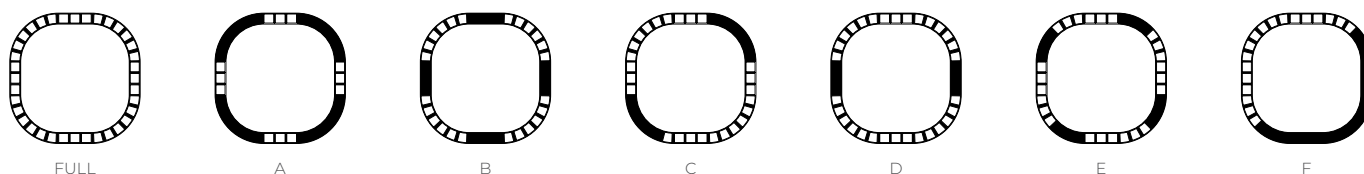


Standard Configurations: Square

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

Radius: 18"

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

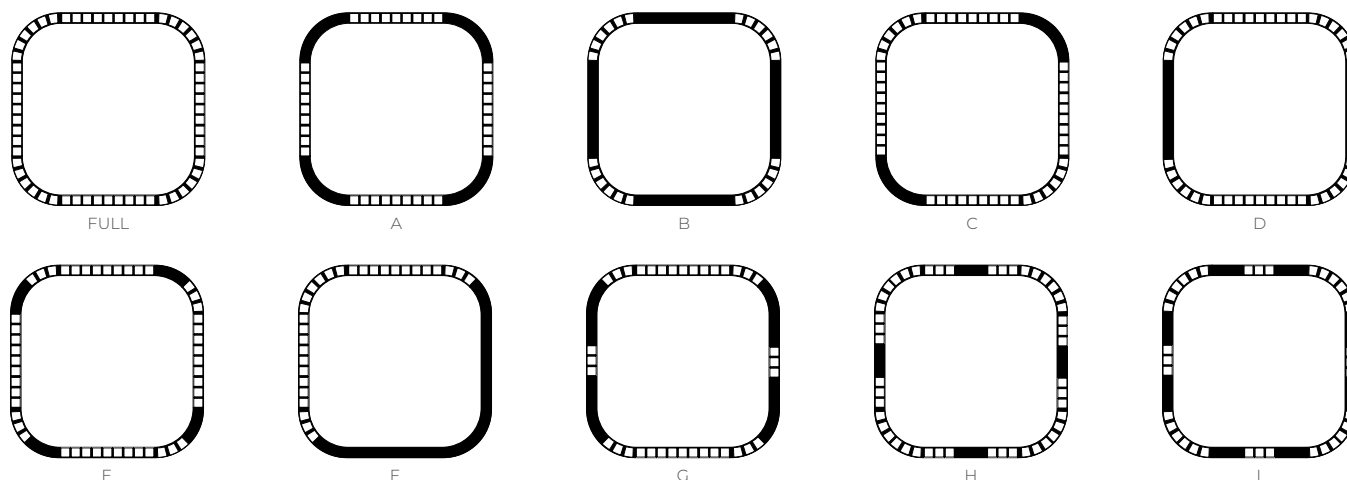


Configuration diagrams are not to scale. For visualization purposes only.

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 - RECESSED - SURFACE

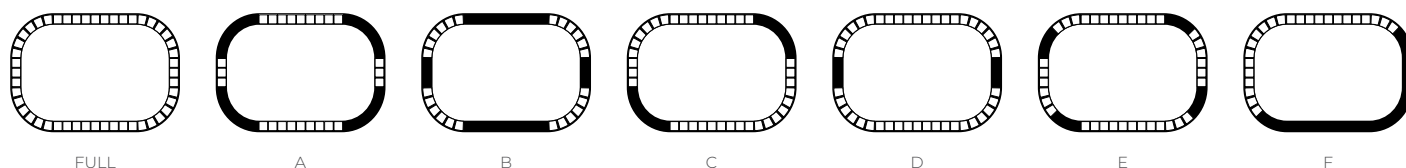


Standard Configurations: Rectangle

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.

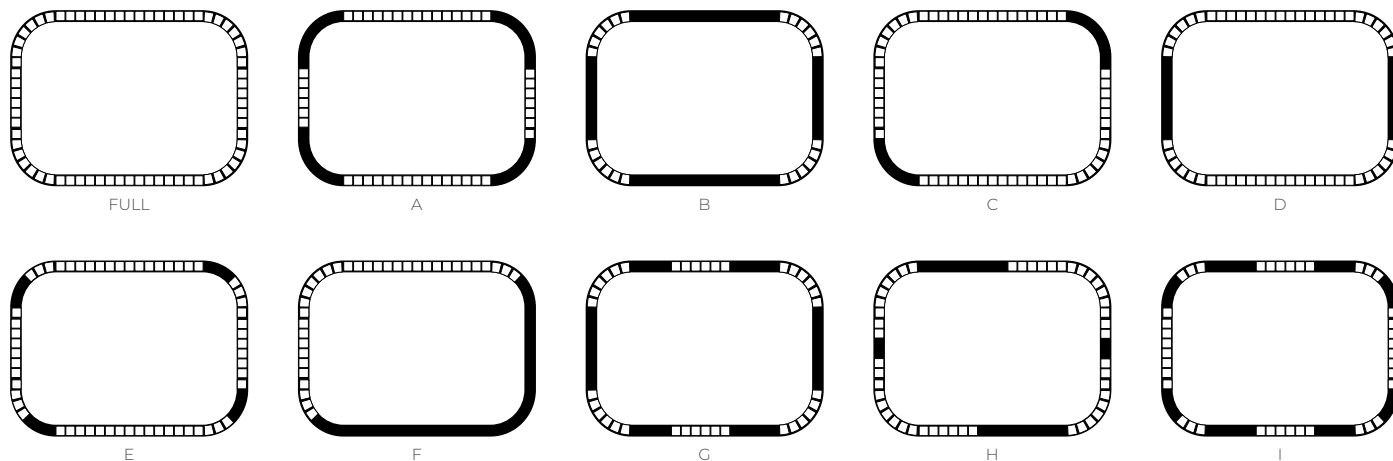
Sizes: 6' x 8', 6' x 10', 6' x 12', 8' x 10', and 8' x 12'

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 - RECESSED - SURFACE

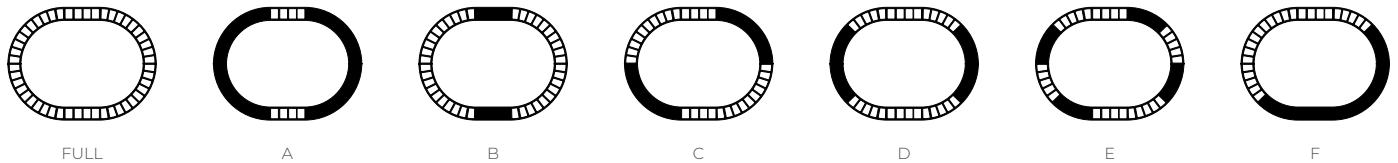


Standard Configurations: Capsule

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"

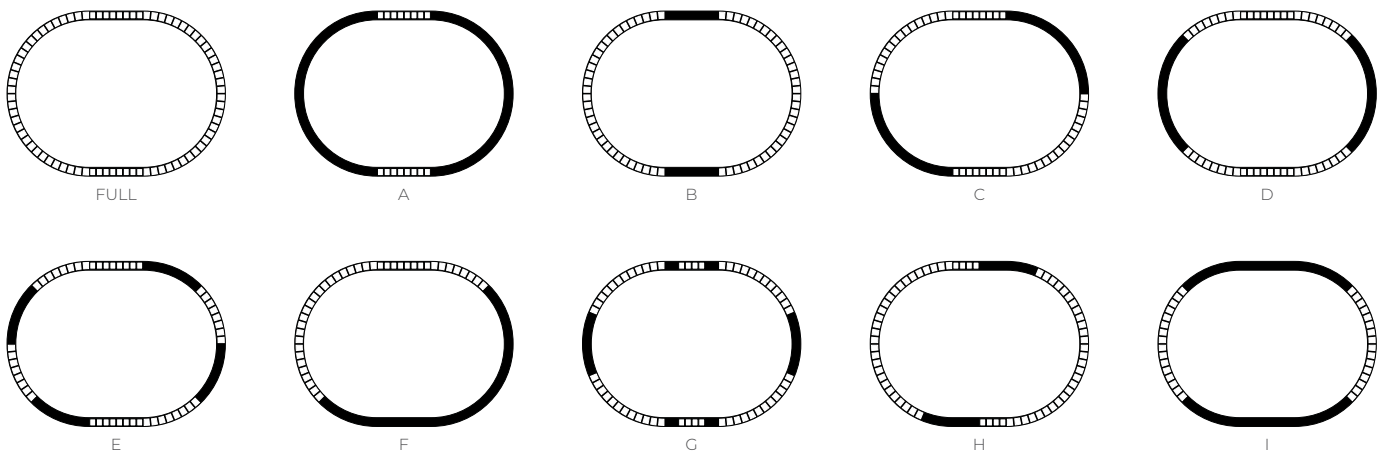


Configuration diagrams are not to scale. For visualization purposes only.

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 - RECESSED - SURFACE

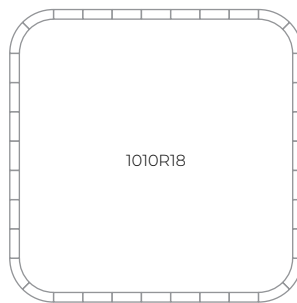
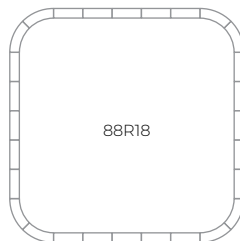
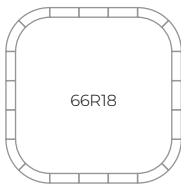
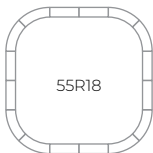
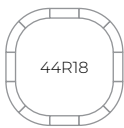


Custom configuration: Square

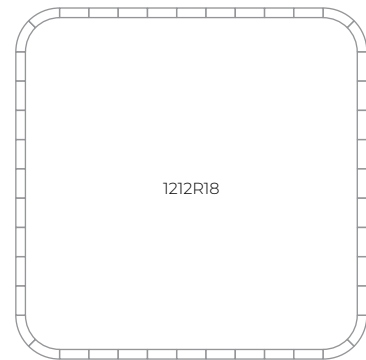
A drawing of your custom configuration is required - anything from a line drawing to an architectural drawing. You can also use the template below to sketch your layout. Louvers are 1' nominal. Specify the quantity of louvers and the angle at which to position them. The rest will be filled with blanks.

Radius 18"

Diagrams are not to scale. For visualization purposes only.

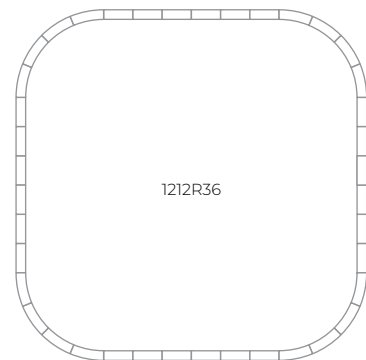
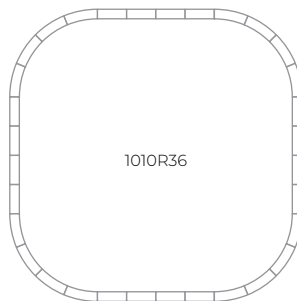
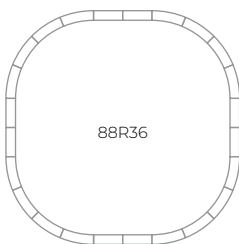


 LOUVER  BLANK



Radius 36"

Diagrams are not to scale. For visualization purposes only.



CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



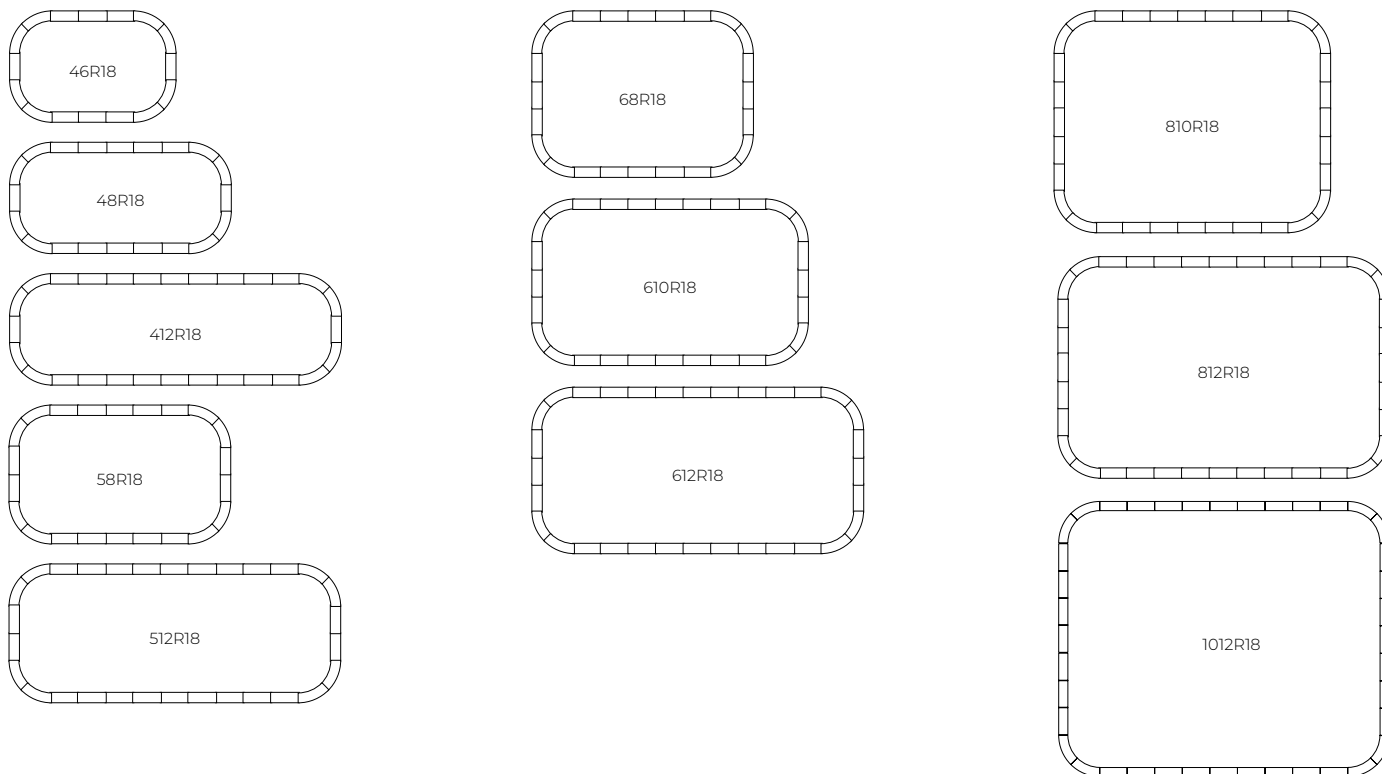
Custom configuration: Rectangle

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 1" 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.

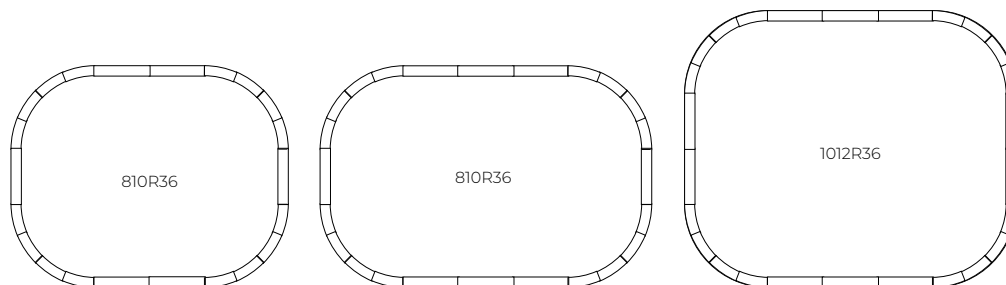
☐ LOUVER ☐ BLANK



Radius 36"

Diagrams are not to scale. For visualization purposes only.

☐ LOUVER ☐ BLANK



CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE

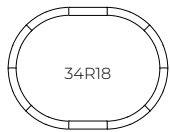


Custom configuration: Capsule

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

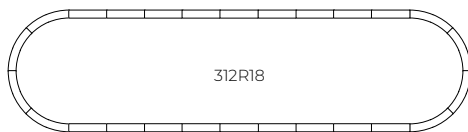
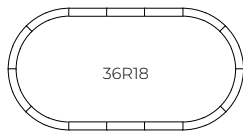
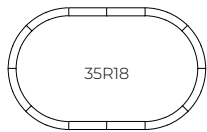
Radius 18"

Diagrams are not to scale. For visualization purposes only.

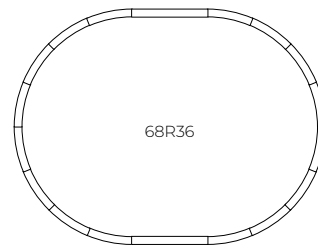


☐ LOUVER

☐ BLANK

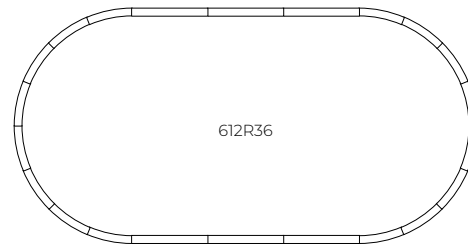
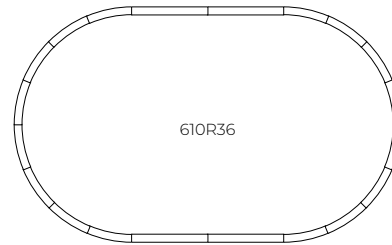


Radius 36"



☐ LOUVER

☐ BLANK



CURVIA 2 PRISM

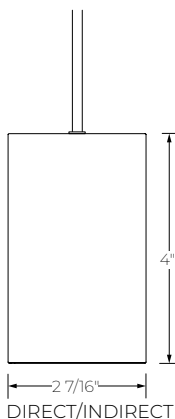
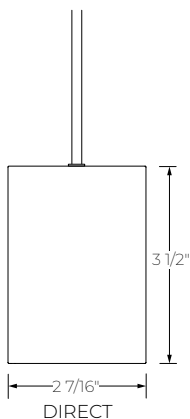
SHAPES

PENDANT - RECESSED - SURFACE

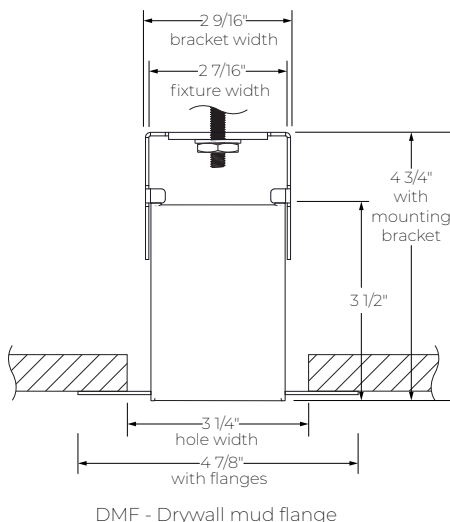
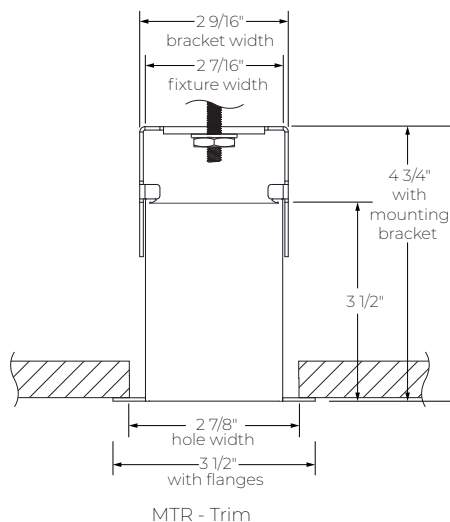


Dimensions

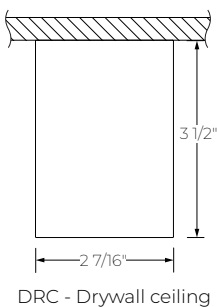
PENDANT



RECESSED



SURFACE



CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE

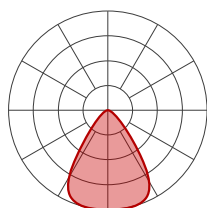


Photometrics

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

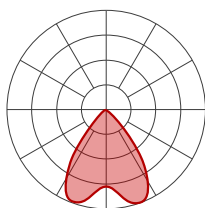
DIRECT OPTICS

MATTE SILVER
DIAMOND PRISM OPTIC



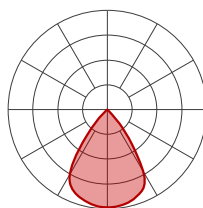
LM/FT	W/FT	LM/W
350	2.6	132
500	3.8	132
750	5.9	127
1000	8.2	122
1200	10	120

PRECISION SPECULAR
DIAMOND PRISM OPTIC



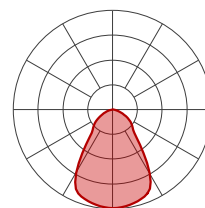
LM/FT	W/FT	LM/W
350	2.4	147
500	3.4	147
750	5.3	142
1000	7.3	137
1200	8.9	134

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

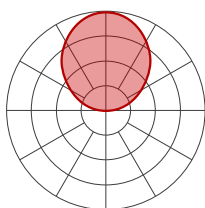
MATTE WHITE
DIAMOND PRISM OPTIC



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.

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

CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



Technical Specifications

DIRECT OPTICS

Diamond Prism Optic (DPO)

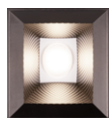
The Diamond Prism Optic™ (DPO™) is our patent-pending 3-tiered optic meticulously crafted to refract and reflect beams with great precision, effectively keeping glare to a minimum while delivering light of exceptional quality and visual comfort.



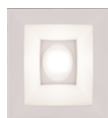
MATTE SILVER



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.

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

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

CURVIA 2 PRISM

SHAPES

PENDANT - RECESSED - SURFACE



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.