

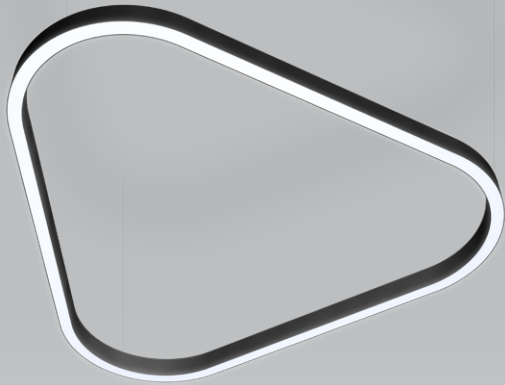
CURVIA 2

PATTERN

PENDANT - RECESSED - SURFACE

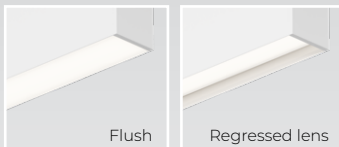


Declare.

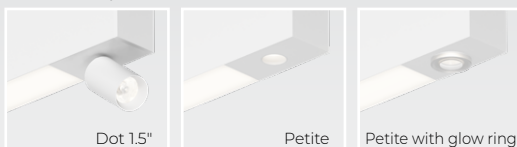


Our extensive Curvia family illuminates with elegant curvilinear shapes and patterns, enhancing spaces with a soft touch and a graceful sense of movement. Available in various mounting options and sizes, Curvia luminaires feature a unique, sophisticated aesthetic that complements their technical prowess in delivering precise, powerful, and comfortable lighting solutions.

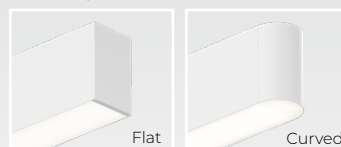
Lens Positions



Module Options



End Cap



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



Curvia Additions Brochure

Curvia Family (Refer to other spec sheets)

Curvia Mini	Curvia Slim	Curvia Slim Seal	Curvia Prism	Curvia	Curvia XYZ	Curvia Horizon	Curvia Perimeter	Curvia Seal Perimeter	Curvia Seal	Curvia Acoustix
1"	1", 2"	1", 2"	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	Ring Shapes Pattern	Ring Shapes Pattern	Pattern	Ring Shapes	Pattern	Pattern	Ring Shapes Pattern	Ring Shapes Pattern

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CURVIA 2

PATTERN

PENDANT - RECESSED - SURFACE

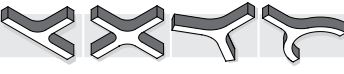
Order Guide



Project: _____

Type: _____

▶ A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

LUMINAIRE ID	DISTRIBUTION	DIRECT OPTIC	LENS POSITION	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE ⁵	CRI		
CURV2PPAT - Curvia 2" Pendant Pattern CURV2RPAT - Curvia 2" Recessed Pattern CURV2SPAT - Curvia 2" Surface Pattern	DI ¹ - Direct/Indirect D - Direct ¹ Only available for pendant mounting.	HLO - High-Efficiency Lambertian Optic AOO ² - Asymmetric Opal Optic BLA ³ - Blank ² Direction of light must be indicated on RCP/lighting plans. ³ Specify when only modules are required.	FH - Flush RG ⁴ - Regressed ⁴ Only available with HLO.	HLO - High-Efficiency Lambertian Optic NA - Not applicable	SW - Static white FS - Full spectrum static white NA - Not applicable ⁵ Chromawerx SOLA, DUO, and QUADRO also available. Consult factory.	80CRI ⁶ - 80+ CRI 90CRI ⁶ - 90+ CRI 95CRI ⁷ - 95+ CRI NA - Not applicable ⁶ Not available with full spectrum. ⁷ Not available with static white.		
DIRECT LUMEN PACKAGE	INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.	TOTAL PATTERN LENGTH	CORNER TYPE ^{9,10}				
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 NA - Not applicable ⁸ Not available with full spectrum.	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 NA - Not applicable	#FT#IN - Specify total pattern length (#) in 1' and/or 1" increments	CURVED CORNER ^{11,12} #LEVC - Curved leveled corner  NA - None ⁹ See page 4 for details. ¹⁰ If more than one option is specified, separate codes with a "+", e.g. 2LEVC+1LEVS(A45). ¹¹ Minimum radius is 8". Consult factory for smaller radii. ¹² Specify quantity (#), e.g. 2LEVC. ¹³ Specify quantity (#) and angle (A##), e.g. 2LEVS(A90).	STRAIGHT CORNER ¹³ #LEVS(A##) - Straight leveled corner  ¹³ Specify quantity (#) and angle (A##), e.g. 2LEVS(A90).			
INTERSECTION TYPE ^{14,15,16,17}		VOLTAGE	DRIVER ²⁰	ELECTRICAL				
CURVED INTERSECTION #TCI - Soft T curved intersection #XCI - Soft X curved intersection #YCI - Soft Y curved intersection #CCI - Soft C curved intersection  CU ¹⁸ - Custom NA - None ¹⁴ See page 4 for details. ¹⁵ If more than one option is specified, separate codes with a "+", e.g. 1TCI+2TSI. ¹⁶ Specify quantity (#) for each required intersection type. ¹⁷ Not available with AOO. ¹⁸ Provide a drawing for custom intersections.	STRAIGHT INTERSECTION #TSI - Sharp T straight intersection #XSI - Sharp X straight intersection #YSI - Sharp Y straight intersection  ¹⁹ Only available with DI driver. Subject to factory evaluation.	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁹ - 347V ¹⁹ Only available with DI driver. Subject to factory evaluation.	D1 - 1% 0-10V ELV ²¹ - ELV 120V TRI ²¹ - TRIAC 120V DA ²² - DALI LDE1 ²² - Lutron Hi-Lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ²⁰ Integral or remote subject to factory evaluation. Code will be updated with prefix "R" if factory determines driver to be remote. ²¹ Only available with 120V. ²² On-site commissioning is required.	1C - 1 circuit 2C ²³ - 2 circuits #MC ²⁴ - Multi circuit EC - Emergency-powered fixture ²³ Only available for Direct/Indirect. Separate direct and indirect circuits. ²⁴ 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. ²⁵ Integral or remote subject to factory evaluation. GTD must be housed with the driver. ²⁶ Not available with 347V. ²⁷ Minimum 18" radius for integral GTD.	NL - Night light fixture DL - Daylight fixture GTD ^{25,26,27} - Generator transfer device fixture			
ELECTRICAL SECTIONS (optional) ^{28,29}	MOUNTING ³⁶	FINISH	END CAP	OPTIONS ³⁸	MODULE (optional) ⁴¹			
#EC## ³⁰ - Emergency-powered section #NL## ³⁰ - Night light section #DL## ³⁰ - Daylight section #GTD## ^{30,31,32,33} - Generator transfer device section #EMB ^{31,32,34,35} - Emergency battery NA - None ²⁸ Specify with multi circuit (#MC) electrical option only. ²⁹ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ³⁰ Specify quantity (#), and section length in inches (##). ³¹ Integral or remote subject to factory evaluation. GTD/EMB must be housed with the driver. ³² Not available with 347V. ³³ Minimum 18" radius for integral GTD. ³⁴ Specify quantity (#). Each battery powers a 4' linear section. Minimum length of linear section is 5' for Direct and 8' for Direct/Indirect. ³⁵ All batteries will be on the same circuit and power the direct LEDs.	PENDANT ³⁷ ACS - Aircraft cable, standard STS - Stem, standard ACC() - Aircraft cable, custom STC() - Stem, custom ³⁶ The mounting options selected must reflect the luminaire ID. ³⁷ Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.	RECESSED DTR - Trim DMF - Drywall mud flange	SURFACE DRC - Drywall ceiling	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	FL - Flat CV - Curved	FU120 - Fuse 120V FU277 - Fuse 277V CTB9 ³⁹ - T-bar caddy clip, 9/16" CTB15 ³⁹ - T-bar caddy clip, 15/16" CTG9 ³⁹ - Tegular caddy clip, 9/16" CTG15 ³⁹ - Tegular caddy clip, 15/16" ³⁸ Separate codes with a "+" if more than one is specified. ³⁹ Only available with pendant mounting aircraft cable option. ⁴⁰ Only available with recessed mounting.	CST ³⁹ - Screw slot caddy clip FWC ⁴⁰ - Flexible whip cable (6' std) CP ⁴⁰ - Chicago Plenum NA - None ⁴¹ See page 3 for ordering details. ⁴² Only available with static white. ⁴³ Only available with flush lens. ⁴⁴ Not available with ELV/TRI driver options. ⁴⁵ Not available with EMB.	#DOTIM() - Dot 1.5" #PETI() - Petite 1" Downlight #PETIGLR() - Petite 1" Downlight with glow ring NA - None

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PATTERN

PENDANT - RECESSED - SURFACE



Module Code

- For a module, specify the options in the parentheses.
- The light source is static white.
- CRI of module matches specification of main fixture.
- Minimum 4' fixture and minimum 2' section per module. Consult factory for other configurations.

Example: 1DOTIM(4IN-FTMB-SDB-FTMB-20DEG-900LM-27K)

MODULE ^{1,2}	HEIGHT	CYLINDER FINISH	BAFFLE	BAFFLE FINISH	BEAM ANGLE	LUMEN PACKAGE	COLOR TEMP.
#DOTIM() - Dot 1.5" ¹ Specify quantity (#). ² 4" blank per module. Blank finish will match fixture finish.	4IN - 4"	FTMB - Matte black FTMW - Matte white CF# - Custom finish, specify RAL #	SDB - Standard baffle DCB ³ - Decorative baffle ³ Recommended when a different finish is desired for the baffle.	FTMB - Matte black FTMW - Matte white CF# - Custom finish, specify RAL #	20DEG - 20° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood	900LM - 900 lm, 12.2 W 1120LM - 1120 lm, 15.9 W	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K

Example: 1PETI(6W-35DEG-27K-SDL-FTMB)

MODULE ^{1,2}	WATTAGE	BEAM ANGLE	COLOR TEMP.	LENS AT BAFFLE	BAFFLE FINISH Specify NA for PETIGLR
#PETI() ³ - Petite 1" Downlight #PETIGLR() - Petite 1" Downlight with glow ring ¹ Specify quantity (#). ² 4" blank per module. Blank finish will match fixture finish. ³ Module is trimless.	6W - 6 W output, up to 472 lm 10W - 10 W output, up to 726 lm	35DEG - 35° Narrow flood 45DEG - 45° Flood	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	SDL - Soft diffused lens, solite	FTMB - Matte black FTMW - Matte white FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL# NA - Not applicable

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-NA)

ACC() - Aircraft cable, custom

NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTION
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 ¹ Maximum length is 288". For longer lengths, please consult factory.	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	PCW - White PCB - Black	SEM ² - Seismic mounting SLC ² - Sloped ceiling for aircraft cable NA - None ² Not available with the Ø 3" non-power canopy size.

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	OPTION
5NPC - Ø 5" non-power canopy	18IN - 18" 36IN - 36" #IN ³ - Specify length in inches ³ Minimum length is 6". Maximum length is 72". Stem is not field adjustable.	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

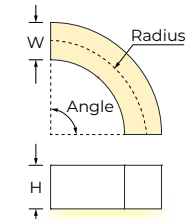
CURVIA 2

PATTERN

PENDANT - RECESSED - SURFACE

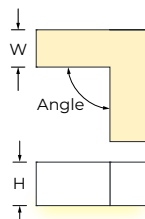


CURVED CORNERS



LEVC

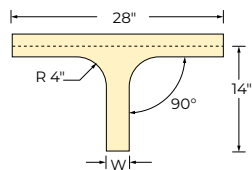
STRAIGHT CORNERS



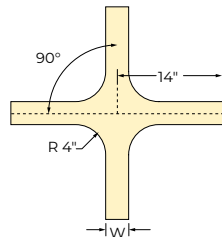
LEVS(A##)

	DIRECT	DIRECT/INDIRECT
Height (H)	3 1/2"	4"
Width (W)	2 7/16"	

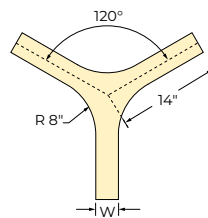
CURVED INTERSECTIONS



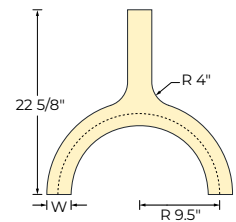
TCI - Soft T curved



XCI - Soft X curved

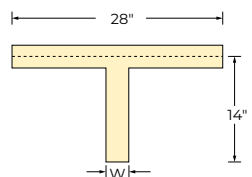


YCI - Soft Y curved

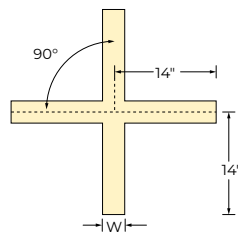


CCI - Soft C curved

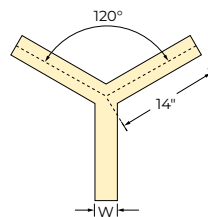
STRAIGHT INTERSECTIONS



TCI - Sharp T straight



XCI - Sharp X straight



YCI - Sharp Y straight

CURVIA 2

PATTERN

PENDANT - RECESSED - SURFACE

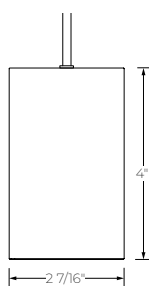


Dimensions

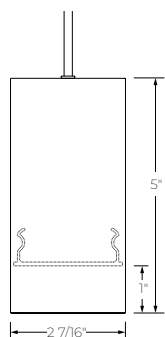
PENDANT

DIRECT/INDIRECT

Flush Lens

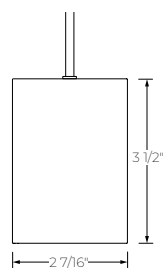


Regressed Lens

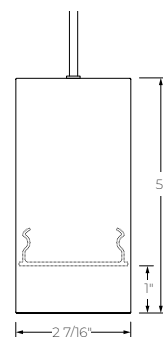


DIRECT

Flush Lens

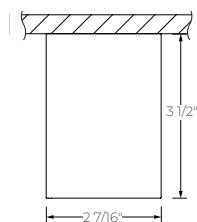


Regressed Lens

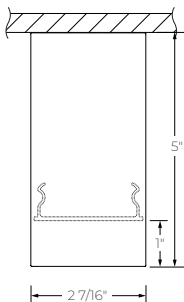


SURFACE

Flush Lens



Regressed Lens



CURVIA 2

PATTERN

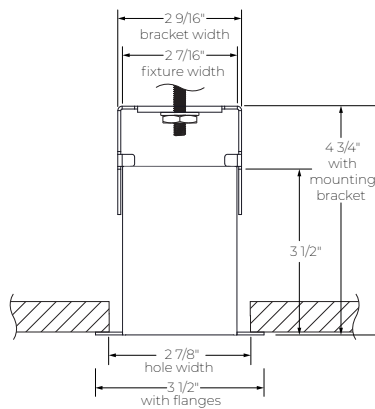
PENDANT - RECESSED - SURFACE



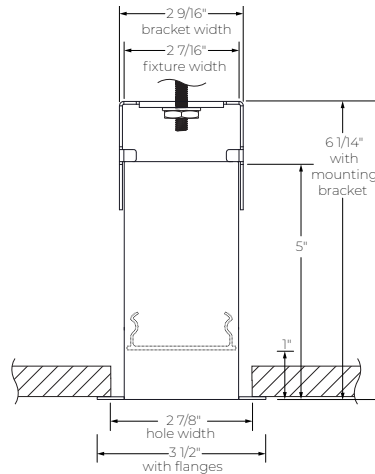
RECESSED

DTR - Trim

Flush Lens

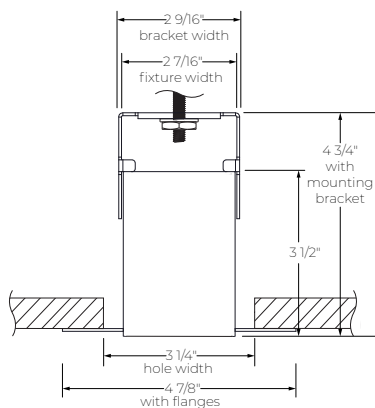


Regressed Lens

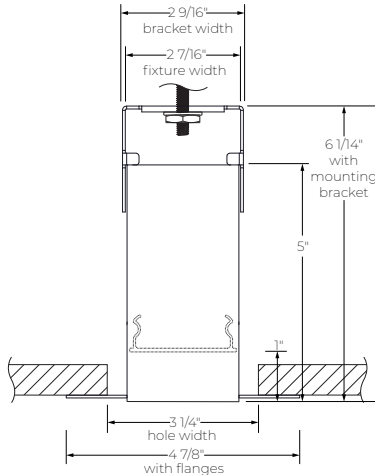


DMF - Drywall mud flange

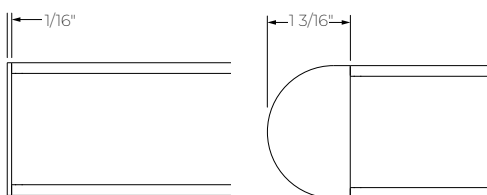
Flush Lens



Regressed Lens



END CAP



Flat

Curved

CURVIA 2

PATTERN

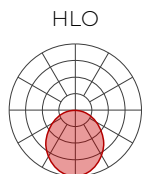
PENDANT - RECESSED - SURFACE



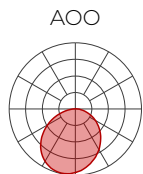
Photometrics

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

DIRECT OPTICS

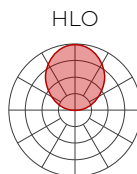


LM/FT	W/FT	LM/W
350	3.1	113
500	4.6	109
750	7.2	104
1000	10.1	99



LM/FT	W/FT	LM/W
350	3.6	96
500	5.4	93
750	8.5	88
1000	11.9	84

INDIRECT OPTIC



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 lens positions for all photometric tables.

Multiplier - CCT

CCT	WATTS	LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI
2700K	1.05	0.95
3000K	1.02	0.98
3500K	1.00	1.00
4000K	1.00	1.00
5000K	0.96	1.04

Multiplier - Lens position

DIRECT LENS	WATTS	LPW
Flush lens	1.00	1.00
Regressed lens	0.99	1.00

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

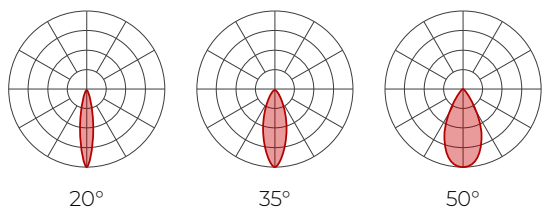
PATTERN

PENDANT - RECESSED - SURFACE



DOT 1.5" MODULE

Values calculated based on 3500K.



20°

35°

50°

Delivered lumens (LM)

WATTAGE	LUMEN PACKAGE
12.2 W	900
15.9 W	1120

Efficacy (LM/W)

WATTAGE	EFFICACY
12.2 W	74
15.9 W	70

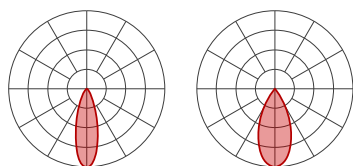
Please follow the multiplier table to ensure correct lumen value.

CCT

2700K	0.94
3000K	0.96
3500K	1
4000K	1.02

PETITE MODULE

Values calculated based on 3500K.



35°

45°

Delivered lumens (LM)

Baffle finish	White		Black, Champagne, Dark bronze		Satin silver, Matte silver		Glow ring	
BEAM	35°	45°	35°	45°	35°	45°	35°	45°
6 W	420	472	386	407	417	449	379	382
10 W	645	726	593	626	642	691	583	588

Efficacy (LM/W)

Baffle finish	White		Black, Champagne, Dark bronze		Satin silver, Matte silver		Glow ring	
BEAM	35°	45°	35°	45°	35°	45°	35°	45°
6 W	70	79	64	68	69	75	63	64
10 W	65	73	59	63	64	69	58	59

Please follow the multiplier table to ensure correct lumen value.

CCT

2700K	0.94
3000K	0.98
3500K	1
4000K	1.05
5000K	1.05

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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 static white

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. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

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.

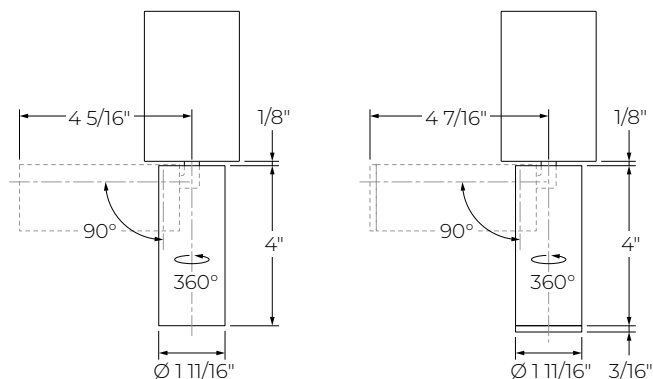
FINISH

Interior: 95% reflective matte powder coated white paint.

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

DOT MODULE

Dot is a round spotlight that rotates 360° and tilts 90°, available in three beam angles of 20°, 35°, and 50°. LED light source CCT options are 2700K, 3000K, 3500K, and 4000K available in either 80+ CRI or 90+ CRI. Offered in 4" height with two baffle options: standard and decorative. Dot is available in a white, black, or custom finish.



Dot 1.5" - Standard baffle

Dot 1.5" - Decorative baffle

CURVIA 2

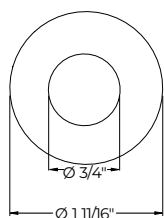
PATTERN

PENDANT - RECESSED - SURFACE

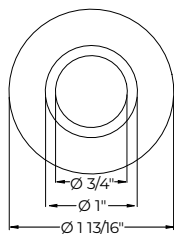


PETITE MODULE

Petite 1" Downlight is offered in two options: trimless and glow ring. It is available in two beam angles of 35° and 45°. LED light source CCT options are 2700K, 3000K, 3500K, 4000K, and 5000K available in either 80+ CRI or 90+ CRI. The trimless model is available in a wide range of colors.



Petite
(PETI)



Petite with glow ring
(PETIGLR)

CONSTRUCTION

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

Reflectors: Aluminum

Lens: 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

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.

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.