

CELLA 3"

PENDANT, SURFACE



Pendant
4" height
Fully frosted



Pendant
2" height
Partially frosted



Surface
2" height
Fully frosted



Surface
4" height
Partially frosted

Cella is an architectural decorative cylinder designed to bring clarity and rhythm to spaces through its vertical form. Available in 2" and 3" diameters, the slender luminaires are paired with acrylic diffusers offered in multiple heights and fully or partially frosted finishes, delivering visually comfortable illumination. Offered in pendant and surface configurations, Cella is suited to both accent applications and larger architectural installations, where repetition reinforces spatial organization and verticality.

Light Source

Static White

SOLA

DUO



Brochure



Pivot Cella
Module

CELLA 3"

PENDANT, SURFACE



Project: _____

Type: _____

Order Guide - Static White

For SOLA Dim-to-Warm and DUO Tunable White order guide, see page 3

LUMINAIRE ID	CYLINDER FINISH	DIFFUSER TYPE ¹	DIFFUSER HEIGHT ²	LIGHT SOURCE	CRI
				SW	
CEL3P - Cella 3" Pendant CEL3S - Cella 3" Surface	FTMB - Matte black FTMW - Matte white FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	FF - Fully frosted PF - Partially frosted ¹ See page 4 for details.	2IN - 2" 4IN - 4" ² See page 4 for details.	SW - Static white	80CRI - 80+ CRI 90CRI - 90+ CRI

LUMEN PACKAGE	COLOR TEMPERATURE	VOLTAGE	DIMMING
600LM			
600LM - 600 lm	18K - 1800K 22K - 2200K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	120V - 120V 277V - 277V UNV - 120V-277V 347V³ - 347V ³ Available with RD1 driver only. Please consult factory.	CANOPY DRIVER D1 - 1% 0-10V ELV⁴ - ELV 120V TRI⁴ - TRIAC 120V DA^{5,6} - DALI ELDO⁵ - eldoLED 0.1% 0-10V ELD1⁵ - eldoLED 1% 0-10V ⁴ Available with 120V only. ⁵ Only available with DR canopy option. ⁶ On-site commissioning is required. ⁷ A remote driver box is provided. ⁸ To specify, add +EB to the selected dimming option, e.g. RD1+EB. REMOTE DRIVER⁷ RD1 - 1% 0-10V RELV⁴ - ELV 120V RTRI⁴ - TRIAC 120V RLDE1⁶ - Lutron Hi-lume 1% Eco RDA⁶ - DALI RELD0 - eldoLED 0.1% 0-10V RELD1 - eldoLED 1% 0-10V +EB⁸ - Emergency battery

CANOPY TYPE ⁹	CANOPY FINISH	SUSPENSION Specify NA for Surface mounting
PENDANT FLR - Flat round canopy, 4" octagonal junction box CDR - Conduit feed, round canopy DMNC¹⁰ - Direct mount, new construction DMRM^{10,11} - Direct mount, remodel DR - Deep round canopy ⁹ See page 5 for details. ¹⁰ Only available with remote driver. ¹¹ Single wiring entry only. No daisy chain connections allowed.	SURFACE FLR - Flat round canopy, 4" octagonal junction box CDR - Conduit feed, round canopy DMNC¹⁰ - Direct mount, new construction DMRM^{10,11} - Direct mount, remodel	FTMB - Matte black FTMW - Matte white FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL# POWER CORD¹² BPC##IN - Black PVC WPC##IN - White PVC NA - Not applicable ¹² Min 18" - max 72", specify length (##) in inches.

CELLA 3"

PENDANT, SURFACE



Project: _____

Type: _____

Order Guide - SOLA Dim-to-Warm and DUO Tunable White

For static white order guide, see page 2

LUMINAIRE ID	CYLINDER FINISH	DIFFUSER TYPE ¹	DIFFUSER HEIGHT ²	LIGHT SOURCE	CRI
					90CRI
CEL3P - Cella 3" Pendant CEL3S - Cella 3" Surface	FTMB - Matte black FTMW - Matte white FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	FF - Fully frosted PF - Partially frosted ¹ See page 4 for details.	2IN - 2" 4IN - 4" ² See page 4 for details.	SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	90CRI - 90+ CRI
LUMEN PACKAGE	COLOR TEMPERATURE	VOLTAGE	DIMMING		
600LM					
600LM - 600 lm	<u>SOLA</u> 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K <u>DUO</u> 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K	120V - 120V 277V - 277V UNV - 120V-277V	REMOTE DRIVER³ SD1 - Single 0-10V input SELV⁴ - ELV 120V STRI⁴ - TRIAC 120V ³ A remote driver box is provided. ⁴ Consult factory for ELV/TRIAC. ⁵ On-site commissioning is required.	<u>DUO</u> RDMX⁵ - DMX RDDA⁵ - DALI DT6 RDDA8⁵ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2⁵ - Lutron DALI-2 digital	
CANOPY TYPE ⁶		CANOPY FINISH		SUSPENSION Specify NA for Surface mounting	
PENDANT		SURFACE		POWER CORD⁸	
FLR - Flat round canopy, 4" octagonal junction box CDR - Conduit feed, round canopy DMNC - Direct mount, new construction DMRM⁷ - Direct mount, remodel DR - Deep round canopy		FLR - Flat round canopy, 4" octagonal junction box CDR - Conduit feed, round canopy DMNC - Direct mount, new construction DMRM⁷ - Direct mount, remodel		BPC##IN - Black PVC WPC##IN - White PVC NA - Not applicable ⁸ Min 18" - max 72", specify length (##) in inches.	

⁶ See page 5 for details.

⁷ Single wiring entry only. No daisy chain connections allowed.

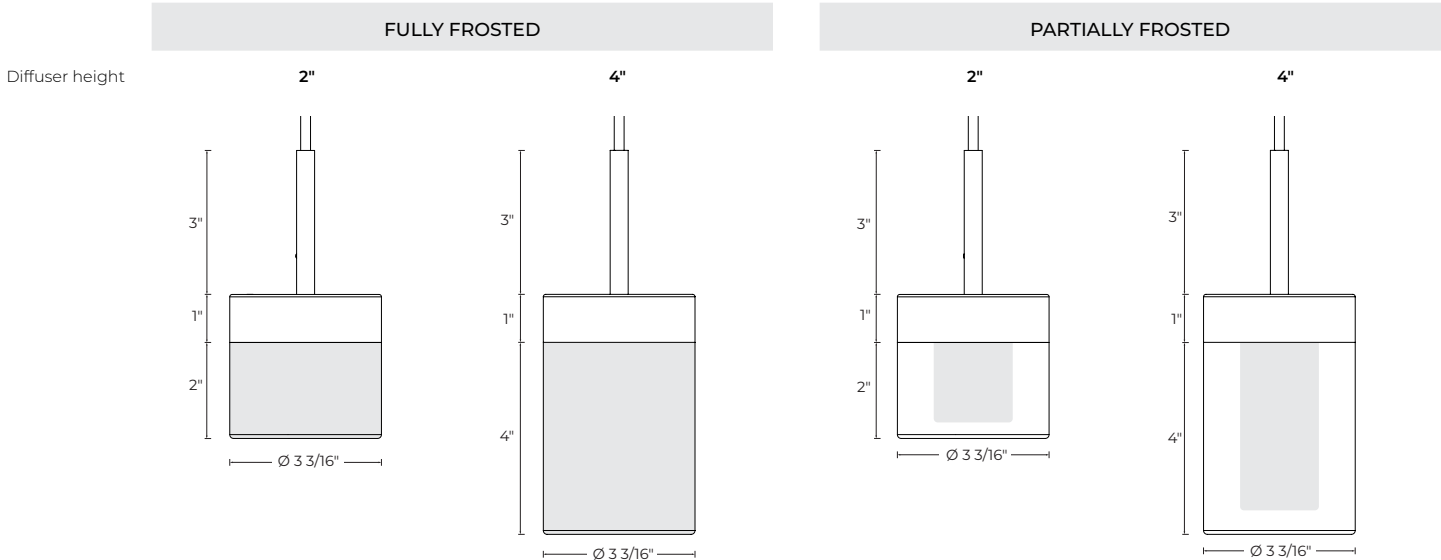
CELLA 3"

PENDANT, SURFACE

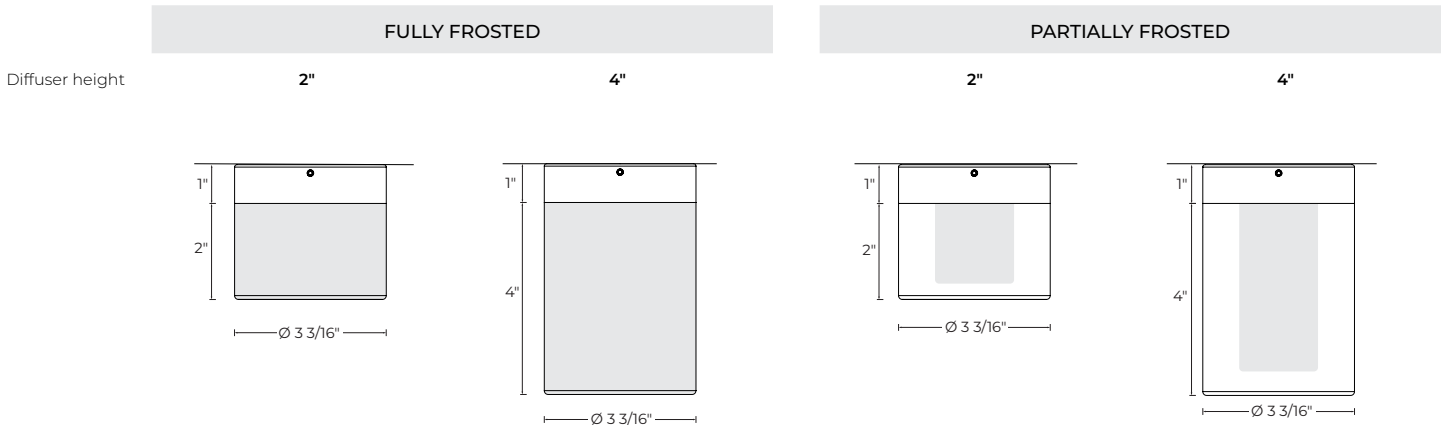


Dimensions

PENDANT



SURFACE



CELLA 3"

PENDANT, SURFACE



Mounting

PENDANT

CANOPY					
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	DR Deep round canopy
Canopy driver			NA		
Remote driver					
Single wiring entry only. No daisy chain connections allowed.					
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	Ø 3 1/8" Height 2"		Ø 5 5/8" Height 1 3/8"

SURFACE

CANOPY				
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel
Canopy driver			NA	
Remote driver				
Single wiring entry only. No daisy chain connections allowed.				
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	NA	



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Photometrics

STATIC WHITE
Values calculated based on 3500K.

SIZE	LM	W	LM/W
3"	600	5.5	109

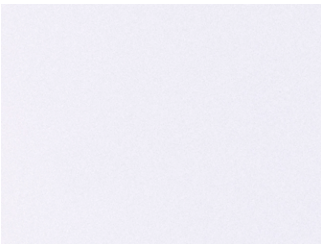
SOLA/DUO
Values calculated at high end CCT.

SIZE	LM	W	LM/W
3"	600	5.6	107

Multiplier - CCT

CCT	
1800K	1.19
2200K	1.07
2700K	1.02
3000K	1.00
3500K	1.00
4000K	0.97
5000K	0.97

Finishes



FTMW - Matte white



FTMB - Matte black



FCHP - Champagne



FDBZ - Dark bronze



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Technical Specifications

LIGHT SOURCE

Static white

Custom array of mid-flux LEDs available in 1800K, 2200K, 2700K, 3000K, 3500K, 4000K, and 5000K with a choice of 80+ CRI or 90+ CRI, with elevated R9 value for 90+ CRI.. Color consistency is maintained to within 2 SDCM. 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.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

Chromawerx DUO

Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool to warm LED arrays - maintaining a CRI above 90. both cool to warm LED arrays - maintaining a CRI above 90. Two color temperature range options are offered: 6500K to 2700K, and 5000K to 2700K. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

Canopy driver: 1% 0-10V, ELV, TRIAC, DALI, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V

Remote driver: 1% 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, DALI, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, DMX, Lutron DALI-2 digital

Emergency Battery Option: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10W, the battery provides 6W of emergency light output. For fixtures 10W and over, the battery provides 10W.

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.

FINISH

Standard powder-coat paint available in matte white, matte black, champagne and dark bronze. Custom colors are also available.

CONSTRUCTION

Housing: Die-cast and extruded aluminum

Canopy: Flat, conduit feed, direct, and deep

Power cord: Black and white PVC. 18" to 72" standard length.

Diffuser: Acrylic

WEIGHT

Pendant:

Fully frosted	Partially frosted
2": 0.8 lbs - 0.35 kg	2": 1 lbs - 0.5 kg
4": 1.1 lbs - 0.5 kg	4": 1.5 lbs - 0.7 kg

Surface:

Fully frosted	Partially frosted
2": 0.7 lbs - 0.3 kg	2": 0.84 lbs - 0.4 kg
4": 0.93 lbs - 0.42 kg	4": 1.35 lbs - 0.6 kg

CERTIFICATION

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

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.