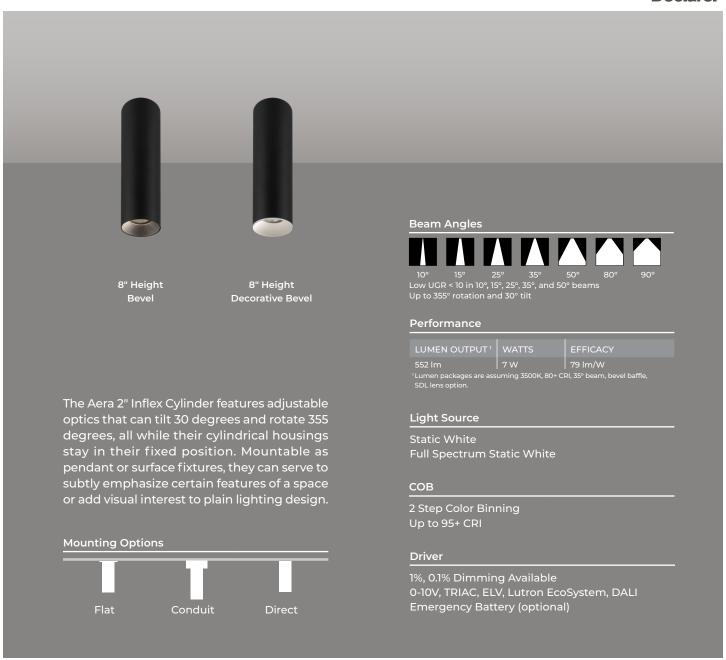


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Declare.



Aera Cylinder Family (Refer to other spec sheets) Cylinder



2"/3"/4"/5"/6" Pendant Pendant Asymmetric Pendant Wall Wash



Wall Wall Asymmetric



Surface Surface Asymmetric Surface Wall Wash

Inflex Cylinder





Flex Cylinder









2"/3"/4" Pendant

Surface

Intertek

Pendant





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Project:	
Туре:	

Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2INFXCYS	D				
AE2INFXCYS - Aera 2" Inflex Cylinder Surface 1 Pendant also available. Consult other spec sheet.	D - Direct	4IN - 4" 6IN - 6" 8IN - 8" 12IN - 12" CH#IN ² - Custom height ² Specify height (#) in 1" increments only. Up to maximum 36".	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BVL - Bevel BVLD - Decorative bevel	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#

LENS *, 3 At baffle	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORIES *, 6, 7, 8 At light element
SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens 3 See page 3 for details.	SW - Static white FS - Full spectrum static white	10DEG - 10° Very narrow spot 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood	2STP 4 - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse 4 Not available with full spectrum.	Static white 80CRI - 80+ CRI 90CRI - 90+ CRI 95CRI - 95+ CRI Full spectrum 95CRI - 95+ CRI	24K ^{\$} - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ^{\$} - 5000K ^{\$} Not available with 95+ CRI.	Choose up to 2 options LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX 9 - Hex louver NA - None "See page 3 for details. "Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. "LSDL and LFDL cannot be combined LS and HEX cannot be combined. "Not available with 80°/90° beam options.

 $^{^{}st}$ LSDL or LFDL at light element cannot be combined with SDL, FDL, or CL at baffle.

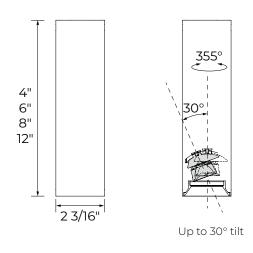
VOLTAGE	WATTAGE 11	DIMMING		CANOPY TYPE 18	CANOPY FINISH Specify NA for DMNC/DMRM		
	7W						
120V - 120V 277V - 277V UNV - 120V-277V	7W - 7 W output, up to 560 lm	INTEGRAL 12 D1 - 1% 0-10V	REMOTE ¹⁴ RD1 - 1% 0-10V	FLR ¹⁹ - Flat round canopy, 4" octagonal junction box CDR ¹⁹ - Conduit feed, round canopy	FTMW - Matte white FTMB - Matte black FCHP - Champagne		
347V ¹⁰ - 347V ¹⁰ Available with RDI driver only. Please consult factory.	¹¹ Lumen outputs are reduced with full spectrum, consult factory.	ELV ¹³ - ELV 120V TRI ¹⁵ - TRIAC 120V ¹² Minimum cylinder height of 8" required for DMNC/DMRM canopy options. ¹³ Available with 120V only.	RELV 15 - ELV 120V RTRI 15 - TRIAC 120V RLDE1 16 - Lutron Hi-lume 1% Eco RDA 16 - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB 7 - Emergency battery 16 A remote driver box is provided. 16 Vaxilable with 120V only. 16 On-site commissioning is required. 17 To specify, add +EB to the selected dimming option, e.g. RD1+EB.	DMNC ²⁰ - Direct mount, new construction DMRM ^{20,21} - Direct mount, remodel ¹⁸ See page 5 for details. ¹⁹ For 4" and 6" long cylinders, driver has to be in j-box when specified with integral drivers. ²⁰ Minimum cylinder height of 8" required for integral driver. ²¹ Single wiring entry only. No daisy chain connections allowed.	FDBZ - Dark bronze CF# - Custom finish, specify RAL# NA - Not applicable		



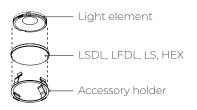
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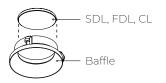
Dimensions

CYLINDER



Lens and Accessories





BAFFLE

BVL Bevel	BVLD Decorative bevel
Baffle finish	
Ø21/16" Ø13/8"	Ø 2 3/16" Ø 1 3/8"
Cut-off 7/16"	Cut-off 15/8" 5/8" 5/8" 5/8" 5/8"



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Finishes







FTMB - Matte black



FSPC - Satin silver



FSSPC - Matte silver



FCHP - Champagne



FDBZ - Dark bronze



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Mounting

CANOPY

INTEGRAL DRIVER

	FL	R	С	DR	DMNC	DMRM*			
Canopy type	Flat round 4" octagonal	d canopy, junction box	Conduit feed,	round canopy	Direct mount, new construction	Direct mount, remodel			
Canopy size	Ø 4 Heigh	1/2" nt 3/8"		1/2" :115/16"	N.	/A			
Driver location	Junction box	Cylinder	Canopy (junction box)	Cylinder	Cylir	nder			
Minimum cylinder height	4"	8"	4"	8"	8"				
Cylinder height	Driver 4" 6" 8" 12"	12"	Driver 4" 6" 8" 12"	B" 12"	January 8" 12"	8" 12"			

^{*} Single wiring entry only. No daisy chain connections allowed.

REMOTE DRIVER

REMOTE BRIVER				
Canopy type	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM * Direct mount, remodel
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	N	/A
Cylinder height	4" 6" 8" 12"	4" 6" 8" 12"	Driver 6" 8" 12"	Driver 4" 6" 8" 12"

^{*} Single wiring entry only. No daisy chain connections allowed.

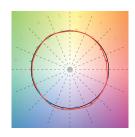




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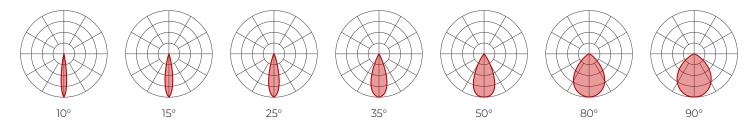
Color Quality

COLOR QUALITY - 3500K TM-30 R_f 91 TM-30 R_q 100 CRI 90+ R9



Photometrics

Values calculated based on 3500K, bevel baffle, and SDL lens option.



Delivered lumens (LM)

CRI	80+ CRI						90+ CRI						95+ CRI								
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
7 W	589	513	560	552	530	477	477	550	479	523	516	495	446	446	423	369	403	397	381	343	343

Efficacy (LM/W)

CRI	80+ CRI							90+ CRI						95+ CRI							
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
7 W	84	73	80	79	76	68	68	79	68	75	74	71	64	64	60	53	58	57	54	49	49

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT, baffle styles, baffle colors, lensing and accessories will change the lumen value.

ССТ		BAFFLE STYLE A	ND COLOR		LENS * (At baffle)		ACCESSORIES * (At light element)					
2400K	0.87	Day of	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1				
2700K	0.94	Bevel	Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8				
3000K	0.98	December to the soul	White	1	CL - Clear lens	1.1	LS - Linear spread	0.84				
3500K	1	Decorative bevel	Black	1	NOL - No lens	1.1	HEX - Hex louver	0.86				
4000K	1.05				* When more than one lens or acc							
5000K	1.05		multiply together the value of each lens and/or accessory. e.g. NOL + LSDL + LS = $1.1 \times 1 \times 0.84 = 0.924$									

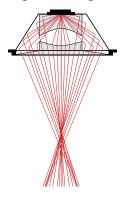


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Technical Specifications

OPTIC

XPoint™ Refraction Technology optics provide precise optical control in a remarkably compact form. Micro optical paths from the chip on board converge and then disperse in precise beam angles, resulting in a crisp and exacting light quality.



LIGHT SOURCE

Static white

Compact COB (Chip-On-Board) LED module, available in 2400K, 2700K, 3000K, 3500K, 4000K, and 5000K with a choice of 80+ CRI, 90+ CRI, or 95+ CRI, with elevated R9 value for 90+ CRI and above. 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.

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

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.

Integral: 0-10V, ELV, TRIAC

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V Emergency battery option: Remotely-installed, long-life, hightemperature, 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 10 W, the battery provides 6 W of emergency light output. For fixtures 10 W and over, the battery provides 10 W.

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.

CONSTRUCTION

Housing: Die-cast and extruded aluminum Canopy: Flat, conduit feed, and direct

Finish: Matte white, matte black, champagne, and dark bronze. Custom colors also available (provide RAL #). Satin silver and matte silver finishes are also available for Baffle.

Heat sink: Die-cast aluminum Baffle: Die-cast aluminum

Baffle style: Bevel and decorative bevel

WEIGHT

4": 0.5 lbs - 0.2 kg 6": 0.6 lbs - 0.3 kg 8": 0.8 lbs - 0.3 kg 12": 0.9 lbs - 0.4 kg

LENS AND ACCESSORIES







Frosted

Clear lens



Linear spread

Hex louver

ENVIRONMENT

Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

CERTIFICATIONS

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

Declare: LBC Red List Approved

WARRANTY

Lumenwerx provides a five-year limited warranty of 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.

