AERA 4" SEAL CYLINDER **Zumenwerx** SURFACE





Aera Family (Refer to other spec sheets) Downlight















Multi-aperture











2"/3"/4" Round / Square Round / Square Recessed Adjustable Recessed

Round / Square Recessed Wall Wash 2"/3"/4" Round / Square

Round / Square Recessed Adjustable Recessed

2"/3"/4" Round / Square Recessed Wall Wash

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

2"/3"/4"/5" 4" Seal Wall

2"/3"/4"/5" 4" Seal Surface Surface Asymmetric Surface Wall Wash



Intertek

Lumenwerx reserves the right to modify product specifications without notification. AERA4-SEAL-CYLINDER-SURFACE-SPEC-REV5 February 6, 2025



AERA 4" SEAL CYLINDER **Zumenwerx** SURFACE

Project:

Туре:

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT	CYLINDER HEIGHT	CYLINDER FINISH ³	BAFFLE STYLE	BAFFLE FINISH
AE4SEALCYS	D				BVLG	
AE4SEALCYS ' - Aera 4" Seal Cylinder Surface 'IP66 rated gasketed construction with an additional clear tempered glass lens.	D - Direct	STR - Standard temperature range, 0°C to 25°C (32°F to 77°F) ETR - Extended temperature range, -30°C to 40°C (-22°F to 104°F)	8IN - 8" 10IN - 10" 12IN - 12" CH#IN ² - Custom height ² Specify height (#) in 1" increments only. Up to maximum 36".	FTMWE - Textured matte white exterior finish FTMBE - Textured matte black exterior finish ³ Consult factory for custom exterior finishes.	BVLG - Gasketed bevel	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular CF# - Custom finish, specify RAL#

LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY ⁶ See page 3 for details	VOLTAGE
SW - Static white	15DEG - 15° Narrow spot 25DEG - 25° Spot	2STP - 2 Step MacAdam Ellipse	90CRI - 90+ CRI 95CRI - 95+ CRI	27K - 2700K 30K - 3000K	At light element (choose up to 1 option)	120V - 120V 277V - 277V
	35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood	3STP - 3 Step MacAdam Ellipse	80CRI - 80+ CRI	35K - 3500K 40K - 4000K	LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens HEX ⁷ - Hex louver NA - None	UNV - 120V-277V 347V ⁸ - 347V ⁸ Available with RD1 driver
SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	50DEC - 50° Wide flood	3STP - 3 Step MacAdam Ellipse	90CRI - 90+ CRI	SOLA ⁴ - Dim-to-warm single channel control DUO ⁵ - Tunable white 2-channel control ⁴ 3500K to 2200K ⁵ 6500K to 2700K	 ⁶ For SOLA/DUO, one of the following lenses must be specified: LSDL or LFDL ⁷ Not available with 80°/90° beam options. Not available with extended temperature range option (ETR). 	consult factory.

WATTAGE	DIMMING ¹⁰		CANOPY TYPE ¹⁷	CANOPY FINISH ¹⁸ Specify NA for DM
 14W - 14 W output, up to 1308 lm 20W - 20 W output, up to 1824 lm 28W ³ - 28 W output, up to 2450 lm ⁹ Not available with extended temperature range option (ETR). 	INTEGRAL D1 - 1% 0-10V ELV " - ELV 120V TRI " - TRIAC 120V ¹⁰ PoE (Power-over- Ethernet) compatible. Consult factory for details. "Available with 120V only.	REMOTE ^{12,13} RDI - 1% 0-10V RELV ¹⁴ - ELV 120V RTRI ¹⁴ - TRIAC 120V RDDE1 ¹⁵ - Lutron Hi-lume 1% Eco RDA ¹⁵ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹⁶ - Emergency battery ¹² A remote driver box is provided, see page 4 for details. ¹³ The remote driver box must be installed in dry/damp environments with ambient temperatures of 0°C to 25°C (32°C to 77°F). ¹⁴ Available with 120V only. ¹⁵ Con-site commissioning is required. ¹⁶ For emergency battery, code will be like the following example: RDI+EB.	FLR - Flat round canopy, 4" octagonal junction box DM - Direct mount ⁷ See page 4 for details.	FTMWE - Textured matte white exterior finish FTMBE - Textured matte black exterior finish NA - None ©Consult factory for custom exterior finishes.
SOLA 25W - 25 W output, up to 1400 lm DUO 19W - 19 W output, up to 1100 lm	SOLA SDI - Single 0-10V input SELV III - ELV 120V STRI II - TRIAC 120V	SOLA RSDI - Single 0-10V input RSELV ¹⁴ - ELV 120V RSTRI ¹⁴ - TRIAC 120V DUO RDMX ¹⁵ - DMX RDDA ¹⁵ - DALI DT6 RDDA8 ¹⁵ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 ¹⁵ - Lutron DALI-2 digital		

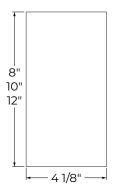




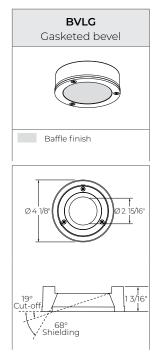
AERA 4" SEAL CYLINDER **Zumenwerx** SURFACE

Dimensions

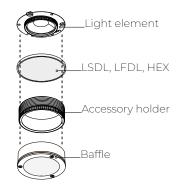
CYLINDER



BAFFLE



Accessories





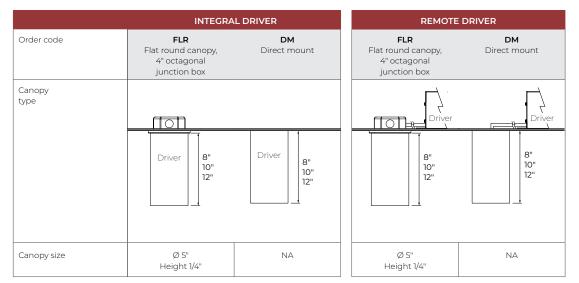




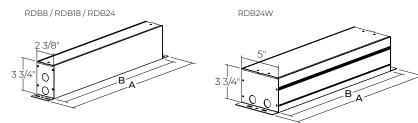
AERA 4" SEAL CYLINDER *Lumenwerx* surface

Mounting

CANOPY



REMOTE DRIVER BOX



	RDB8	RDB18	RDB24	RDB24W
А	10"	20"	26"	26"
в	8"	18"	24"	24"
DRIVER	RDI - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V	RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. RDI+EB - 1% 0-10V RELV+EB - ELV 120V RTRI+EB - TRIAC 120V DUQ	Emergency battery (+EB) with the following driver options. RLDE1+EB - Lutron Hi-lume 1% Eco RDA+EB - DALI RELD1+EB - eldoLED 1% ECOdrive 0-10V
	RSD1 - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V		RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 - Lutron DALI-2 digital	RELDO+EB - eldoLED 0.1% SOLOdrive 0-10V

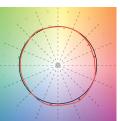




AERA 4" SEAL CYLINDER *Lumenwerx* surface

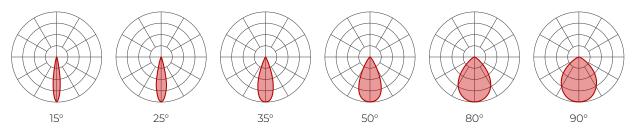
Color Quality

COLOR QUALITY	COLOR QUALITY - 3500K										
TM-30 Rf	90										
TM-30 Rg	100										
CRI	90	9									
R9	> 50	10									



Photometrics

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



Delivered lumens

CRI	90+ CRI						95+ CRI					80+ CRI						
BEAM	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°
14 W	1189	1221	1177	1153	1037	1037	915	940	906	887	799	799	1272	1308	1259	1234	1110	1110
20 W	1659	1705	1641	1610	1449	1449	1278	1313	1264	1239	1115	1115	1776	1824	1756	1722	1549	1549
28 W	2228	2290	2204	2160	1944	1944	1716	1763	1697	1663	1497	1497	2383	2450	2358	2311	2080	2080

Efficacy

CRI	90+ CRI					95+ CRI						80+ CRI						
BEAM	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°
14 W	85	87	84	82	74	74	65	67	64	64	57	57	91	93	90	88	79	79
20 W	83	85	82	81	73	73	64	65	63	62	56	56	88	91	87	86	77	77
28 W	80	82	79	77	70	70	61	63	61	59	53	53	85	87	84	82	74	74

MULTIPLIERS

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

ССТ		BAFFLE COLOR		ACCESSORIES			
2700K	0.9	Gasketed bevel	White	1	Soft diffused lens, Solite	1	
3000K	0.95	Gasketed bever	Black	1	Frosted lens	0.8	
3500K	1				Hex louver	0.86	
4000K	1.05				1 I		

For SOLA and DUO, please consult factory.



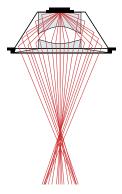


AERA 4" SEAL CYLINDER *Lumenwerx* surface

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 2700K, 3000K, 3500K and 4000K 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.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. 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 (6500K) to warm (2700K) LED arrays - maintaining a CRI above 90. 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%.

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, DMX, Lutron DALI-2 digital

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 and direct Finish: Textured matte white and black. Custom colors also available (provide RAL #). Specular and semi-specular finishes are also available for Baffle. Heat sink: Die-cast aluminum Baffle: Die-cast aluminum

Baffle style: Gasketed bevel

WEIGHT

8": 4.4 lbs - 2.0 kg 10": 5.5 lbs - 2.5 kg 12": 6.6 lbs - 3.0 kg

ACCESSORIES









Lumenwerx reserves the right to modify product specifications without notification. AERA4-SEAL-CYLINDER-SURFACE-SPEC-REV5 February 6, 2025



AERA 4" SEAL CYLINDER *Lumenwerx* surface

ENVIRONMENT

For the standard temperature range (STR) option, ambient temperature at fixture location shall be within $0^{\circ}C/32^{\circ}F$ to $25^{\circ}C/77^{\circ}F$.

For the extended temperature range (ETR) option, ambient temperature at fixture location shall be within -30°C/-22°F to 40°C/104°F.

CERTIFICATION

ETL: Suitable for wet 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 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.



www.lumenwerx.com T (514) 225-4304

© Lumenwerx, ULC. All rights reserved.

