

WALL DIRECT/INDIRECT, DIRECT, INDIRECT





12" Height

pendant, surface, or wall mounted luminaire, takes the Aera family's clean esthetic and performance assets to wet locations and outdoor environments, delivering lighting that's visually comfortable with minimal glare.

The Aera 4" Seal Cylinder, available as a

#### Beam Angles



#### Performance

LUMEN OUTPUT 1	WATTS	EFFICACY					
1308 lm	14 W	93 lm/W					
1824 lm	20 W	91 lm/W					
2450 lm	28 W	87 lm/W					
Lumen packages are assuming 3500K, 80 CRI, 25° beam, gasketed bevel							

#### **Light Source**

Static White DUO - Tunable White



#### СОВ

2 Step Color Binning Up to 95 CRI

### Driver

1%, 0.1% Dimming Available 0-10V, TRIAC, ELV, Lutron EcoSystem, DALI, DMX **Emergency Battery (optional)** 

Distributions





Direct Indirect

Certification



#### Aera Family (Refer to other spec sheets) Downlight



Round / Square

Recessed Adjustable Recessed



Round / Square Recessed Wall Wash







Round / Square



Round / Square Recessed Wall Wash

#### Cylinder



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



Wall Pendant Asymmetric Wall Asymmetric



2"/3"/4"/5" Surface Surface Asymmetric

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## AERA 4" SEAL CYLINDER

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Type:		

Project:

### Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT	CYLINDER HEIGHT		CYLINDER FINISH <sup>3</sup>	BAFFLE STYLE	BAFFLE FINISH
AE4SEALCYW						BVLG	
<b>AE4SEALCYW</b> 1 - Aera 4" Seal Cylinder Wall	<b>DI</b> - Direct/ Indirect	STR - Standard temperature range,	DIRECT/INDIRECT	DIRECT OR INDIRECT	FTMWE - Textured matte white exterior finish	<b>BVLG</b> - Gasketed beveled	FTMW - Textured matte white
IP66 rated gasketed construction with an additional clear tempered		0°C to 25°C (32°F to 77°F) ETR - Extended temperature range, -30°C to 40°C (-22°F to 104°F)	10IN - 10" 12IN - 12" 14IN - 14"	8IN - 8" 10IN - 10" 12IN - 12"	FTMBE - Textured matte black exterior finish		FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular
glass lens.			CH#IN <sup>2</sup> - Custom h	eight	exterior finishes.		CF# - Custom finish, specify RAL#
			<sup>2</sup> Specify height (#) in 1" Up to maximum 14".	increments only.			specify RAL#

LIGHT SOURCE	DIRECT BEAM Specify NA for Indirect	INDIRECT BEAM Specify NA for Direct	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY <sup>6</sup> See page 3 for details	VOLTAGE
<b>SW</b> - Static white	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step	90CRI - 90 CRI 95CRI - 95 CRI 80CRI - 80 CRI	27K - 2700K 30K - 3000K 35K - 3500K	At light element (choose up to 1 option)	120V - 120V 277V - 277V UNV -
SOLA - Dim- to-warm single channel control DUO - Tunable white 2-channel	50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood NA - Not applicable	SODEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood NA - Not applicable	MacAdam Ellipse	OCKI GO CKI	40K - 4000K  SOLA <sup>4</sup> - Dim- to-warm single channel control DUO <sup>5</sup> - Tunable white 2-channel	LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens NA - None	120V-277V 347V ? - 347V <sup>7</sup> Available with RDI driver only. Please consult factory.
control	<b>50DEG</b> - 50° Wide flood <b>NA</b> - Not applicable	50DEG - 50° Wide flood NA - Not applicable	<b>3STP</b> - 3 Step MacAdam Ellipse	<b>90CRI</b> - 90 CRI	- control 43500K to 2200K 56500K to 2700K	specified: LSDL or LFDL.	idetory.

DIRECT WATTAGE Specify NA for Indirect	INDIRECT WATTAGE Specify NA for Direct	DIMMING 11					
14W - 14 W output, up to 1308 lm	14W <sup>10</sup> - 14 W output, up to 1308 lm	INTEGRAL	REMOTE 13, 14				
<b>20W</b> - 20 W output, up to 1824 lm <b>28W</b> <sup>8,9</sup> - 28 W output, up to 2450 lm <b>NA</b> - Not applicable	<b>20W</b> <sup>9</sup> - 20 W output, up to 1824 lm <b>NA</b> - Not applicable	D1 - 1% 0-10V ELV <sup>12</sup> - ELV 120V TRI <sup>12</sup> - TRIAC 120V	RD1 - 1% 0-10V RELV 15 - ELV 120V RTRI 15 - TRIAC 120V				
<sup>8</sup> Not available for a DI fixture. <sup>9</sup> Not available with extended temperature range of <sup>10</sup> Not available with extended temperature range wattage.		PoE (Power-over-Ethernet) compatible. Consult factory for details.  2 Available with 120V only.	RLDE1 16 - Lutron Hi-lume 1% Eco RDA 16 - DALI				
<u>SOLA</u> <b>25W</b> - 25 W output, up to 1400 lm <u>DUO</u> <b>19W</b> - 19 W output, up to 1100 lm	SOLA 25W - 25 W output, up to 1400 lm DUO 19W - 19 W output, up to 1100 lm	Avanable with 120v Only.					
		SOLA SD1 - Single 0-10V input SELV <sup>12</sup> - ELV 120V STRI <sup>12</sup> - TRIAC 120V	SOLA RSD1 - Single 0-10V input RSELV 15 - ELV 120V	DUO RDMX <sup>16</sup> - DMX RDDA <sup>16</sup> - DALI DT6 RDDA8 <sup>16</sup> - DALI DT8			
<b>NA</b> - Not applicable	NA - Not applicable		RSTRI 15 - TRIAC 120V	RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 <sup>16</sup> - Lutron T-Series 1% tunable white			

ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH 19, 20
1C - 1 circuit 2C <sup>18</sup> - 2 circuits	FLS - Flat square canopy, 4" octagonal junction box DM - Direct mount	FTMWE - Textured matte white exterior finish FTMBE - Textured matte black exterior finish
<sup>18</sup> Available with DI and remote driver only.	DM - Direct mount	<sup>10</sup> Direct mount finish matches cylinder finish. <sup>20</sup> Consult factory for custom exterior finishes.





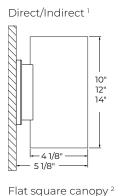


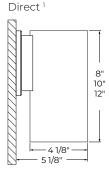
WALL

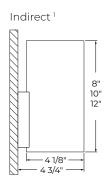
## DIRECT/INDIRECT, DIRECT, INDIRECT

### **Dimensions**

#### CYLINDER



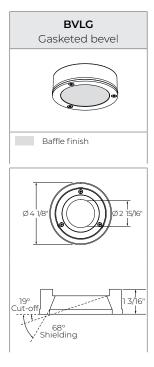




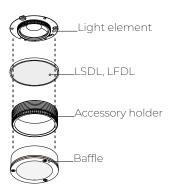
Flat square canopy 2

Direct mount<sup>2</sup>





### Accessories



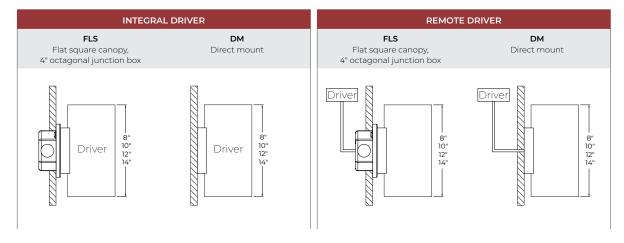




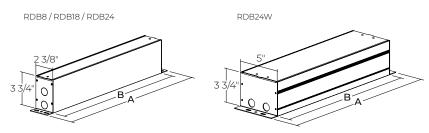
WALL

DIRECT/INDIRECT, DIRECT, INDIRECT

## Mounting



#### REMOTE DRIVER BOX



	RDB8	RDB18	RDB24	RDB24W
Α	10"	20"	26"	26"
В	8"	18"	24"	24"
DRIVER	RD1 - 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. RD1+EB - 1% 0-10V RELV+EB - ELV 120V RTR1+EB - TRIAC 120V	Emergency battery (+EB) with the following driver options. RLDEI+EB - Lutron Hi-lume 1% Eco RDA+EB - DALI RELDI+EB - eldoLED 1%
	SOLA RSD1 - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V		DUO RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 - Lutron T-Series 1% tunable white	ECOdrive 0-10V  RELD0+EB - eldoLED 0.1%  SOLOdrive 0-10V

Lumenwerx reserves the right to modify

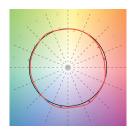


WALL

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### Color Quality

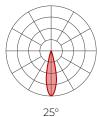




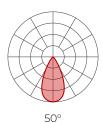
### Photometrics

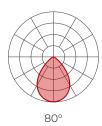
Values calculated based on 3500K, gasketed bevel baffle, and SDL lens option. Performance values apply to both Direct and Indirect (28 W is not available for Indirect).

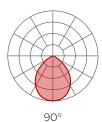












#### Delivered lumens

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	
2700K	0.9
3000K	0.95
3500K	1
4000K	1.05

For SOLA and DUO. please consult factory.

BAFFLE COLOR								
	White	1						
Gasketed bevel	Black	1						

ACCESSORIES	
Soft diffused lens, Solite	1
Frosted lens	0.8

### DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

(	DIRECT DELIVERED LM	+	INDIRECT DELIVERED LM	)	= FFFICACY
(	DIRECT WATTAGE	+	INDIRECT WATTAGE	)	- ETTICACT







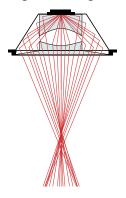
WALL

DIRECT/INDIRECT, DIRECT, INDIRECT

### 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.

#### FL FCTRICAL

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 T-series (tunable white)

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.

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: Extruded aluminum Canopy: Flat and direct Arm: Machined aluminum

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

Direct/Indirect	Direct or Indirect
<b>10"</b> : 6.5 lbs - 2.9 kg	<b>8"</b> : 4.4 lbs - 2.0 kg
<b>12"</b> : 7.8 lbs - 3.5 kg	<b>10"</b> : 5.5 lbs - 2.5 kg
<b>14"</b> : 9.1 lbs - 4.1 kg	<b>12"</b> : 6.6 lbs - 3.0 kg

#### **ACCESSORIES**







Frosted diffused lens





# WALL DIRECT/INDIRECT, DIRECT, INDIRECT

#### **ENVIRONMENT**

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

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.

