

# AERA 3" CYLINDER

## SURFACE, SURFACE ASYMMETRIC



4" Height  
Bevel



8" Height  
Decorative Bevel



12" Height  
Pinhole

True-to-size with a versatile minimalist esthetic, Aera Cylinder luminaires are high-performance fixtures, delivering visually comfortable lighting suitable for a wide range of applications.

### Mounting Options



Flat

Conduit

Direct

### Beam Angles



Low UGR < 10 in 10°, 15°, 25°, 35°, and 50° beams

### Performance

LUMEN OUTPUT <sup>1</sup>	WATTS	EFFICACY
1132 lm	10 W	113 lm/W
1545 lm	14 W	110 lm/W
2135 lm	20 W	107 lm/W

<sup>1</sup>Lumen packages are assuming 3500K, 80 CRI, 35° beam, bevel baffle, SDL lens option.

### Light Source

Static White  
Full Spectrum  
SOLA - Dim-to-Warm  
DUO - Tunable White



### COB

2 Step Color Binning  
Up to 95 CRI

### Drivers / Protocols

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



Smart / Wireless Compatible

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

#### Downlight



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



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



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

#### Multi-aperture



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



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



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

#### Cylinder



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



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



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

# AERA 3" CYLINDER

## SURFACE, SURFACE ASYMMETRIC



Project: \_\_\_\_\_

Type: \_\_\_\_\_

### Order Guide



For an ENERGY STAR® certified fixture, see page 3.  
For a Title 24 JA8 compliant fixture, see page 4.

LUMINAIRE ID <sup>1</sup>	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
	<b>D</b>				
<b>AE3CYS</b> - Aera 3" Cylinder Surface <b>AE3CYSASY</b> - Aera 3" Cylinder Surface Asymmetric  <sup>1</sup> Surface Wall Wash also available. Consult other spec sheet.	<b>D</b> - Direct	<b>4IN</b> <sup>2</sup> - 4" <b>8IN</b> - 8" <b>12IN</b> - 12" <b>CH#IN</b> <sup>3</sup> - Custom height  <sup>2</sup> Not available with DMNC/DMRM canopy options when specified with integral drivers. <sup>3</sup> Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 5.	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#	<b>BVL</b> - Bevel <b>PHL</b> - Pinhole <b>BVLD</b> - Decorative bevel	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FSPC</b> - Satin silver <b>FSSPC</b> - Matte silver <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#

LENS *	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORIES *	VOLTAGE
See page 5 for details						See page 5 for details	
<b>At baffle</b> (choose 1 option) Specify NOL for Pinhole  <b>SDL</b> - Soft diffused lens, Solite <b>FDL</b> - Frosted diffused lens <b>CL</b> - Clear lens <b>NOL</b> - No lens	<b>SW</b> - Static white <b>FS</b> - Full spectrum static white  <b>SOLA</b> - Dim-to-warm single channel control <b>DUO</b> - Tunable white 2-channel control	<b>10DEG</b> - 10° Very narrow spot <b>15DEG</b> - 15° Narrow spot <b>25DEG</b> - 25° Spot <b>35DEG</b> - 35° Narrow flood <b>50DEG</b> - 50° Wide flood <b>80DEG</b> <sup>4</sup> - 80° Very wide flood <b>90DEG</b> <sup>4</sup> - 90° Open flood  <sup>4</sup> Not available with Asymmetric.	<b>2STP</b> <sup>5</sup> - 2 Step MacAdam Ellipse <b>3STP</b> - 3 Step MacAdam Ellipse  <sup>5</sup> Not available with full spectrum.	<b>80CRI</b> <sup>6</sup> - 80+ CRI <b>90CRI</b> <sup>6</sup> - 90+ CRI <b>95CRI</b> <sup>25</sup> - 95+ CRI  <sup>6</sup> Not available with full spectrum. <sup>25</sup> Not available with 2400K and 5000K.	<b>24K</b> - 2400K <b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> - 5000K  <b>SOLA</b> <sup>7</sup> - Dim-to-warm single channel control <b>DUO</b> <sup>8</sup> - Tunable white 2-channel control  <sup>7</sup> 3500K to 2200K <sup>8</sup> 6500K to 2700K	<b>At light element</b> <sup>9,10</sup> (choose up to 2 options)  <b>LSDL</b> - Soft diffused lens, Solite <b>LFDL</b> - Frosted diffused lens <b>LS</b> - Linear spread <b>HEX</b> <sup>11</sup> - Hex louver <b>NA</b> - None  <sup>9</sup> Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. <sup>10</sup> LSDL and LFDL cannot be combined. LS and HEX cannot be combined. <sup>11</sup> Not available with 80°/90° beam options.	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> <sup>12</sup> - 347V  <sup>12</sup> Available with RD1 driver only. Please consult factory.

\* LSDL or LFDL at light element cannot be combined with SDL, FDL, or CL at baffle. For SOLA/DUO, one of the following lenses must be specified: SDL, FDL, LSDL, or LFDL.

WATTAGE <sup>13</sup>		DIMMING <sup>14</sup>		CANOPY TYPE <sup>20</sup>	CANOPY FINISH Specify NA for DM	OPTION <sup>24</sup>
						NA
<b>SURFACE</b>  <b>10W</b> - 10 W output, up to 1132 lm <b>14W</b> - 14 W output, up to 1545 lm <b>20W</b> - 20 W output, up to 2135 lm  <sup>13</sup> Lumen outputs are reduced with full spectrum, consult factory.	<b>SURFACE ASY.</b>  <b>10W</b> - 10 W output, up to 1029 lm <b>14W</b> - 14 W output, up to 1406 lm <b>20W</b> - 20 W output, up to 1942 lm  <sup>14</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>15</sup> Available with 120V only.	<b>INTEGRAL</b>  <b>D1</b> - 1% 0-10V <b>ELV</b> <sup>15</sup> - ELV 120V <b>TRI</b> <sup>15</sup> - TRIAC 120V  <sup>14</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>15</sup> Available with 120V only.	<b>REMOTE</b> <sup>16</sup>  <b>RD1</b> - 1% 0-10V <b>RELV</b> <sup>17</sup> - ELV 120V <b>RTRI</b> <sup>17</sup> - TRIAC 120V <b>RLDE1</b> <sup>18</sup> - Lutron Hi-lume 1% Eco <b>RDA</b> <sup>18</sup> - DALI <b>RELD1</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0</b> - eldoLED 0.1% SOLOdrive 0-10V <b>+EB</b> <sup>19</sup> - Emergency battery  <sup>16</sup> A remote driver box is provided, see page 6 for details. <sup>17</sup> Available with 120V only. <sup>18</sup> On-site commissioning is required. <sup>19</sup> For emergency battery, code will be like the following example: RD1+EB.	<b>FLR</b> <sup>21</sup> - Flat round canopy, 4" octagonal junction box <b>CDR</b> <sup>21</sup> - Conduit feed, round canopy <b>DMNC</b> <sup>22</sup> - Direct mount, new construction <b>DMRM</b> <sup>22, 23</sup> - Direct mount, remodel  <sup>20</sup> See page 6 for details. <sup>21</sup> For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. <sup>22</sup> 4" long cylinders require a remote driver. <sup>23</sup> Single wiring entry only. No daisy chain connections allowed.	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL# <b>NA</b> - Not applicable  <sup>24</sup> To specify an ENERGY STAR certified fixture, see page 3.  To specify a JAB compliant fixture, see page 4.	
<u>SOLA</u> <b>12W</b> - 12 W output, up to 725 lm  <u>DUO</u> <b>11W</b> - 11 W output, up to 525 lm	<u>SOLA</u> <b>12W</b> - 12 W output, up to 625 lm  <u>DUO</u> <b>11W</b> - 11 W output, up to 475 lm	<u>SOLA</u> <b>SD1</b> - Single 0-10V input <b>SELV</b> <sup>15</sup> - ELV 120V <b>STRI</b> <sup>15</sup> - TRIAC 120V	<u>SOLA</u> <b>RSD1</b> - Single 0-10V input <b>RSELV</b> <sup>17</sup> - ELV 120V <b>RSTRI</b> <sup>17</sup> - TRIAC 120V  <u>DUO</u> <b>RDMX</b> <sup>18</sup> - DMX <b>RDDA</b> <sup>18</sup> - DALI DT6 <b>RDDA8</b> <sup>18</sup> - DALI DT8 <b>RDD1</b> - Dual 0-10V input for CCT/intensity <b>RLD2</b> <sup>18</sup> - Lutron DALI-2 digital			

# AERA 3" CYLINDER

## SURFACE, SURFACE ASYMMETRIC

### ENERGY STAR



Project: \_\_\_\_\_

Type: \_\_\_\_\_



## Order Guide

LUMINAIRE ID <sup>1</sup>	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
	<b>D</b>				
<b>AE3CYS</b> - Aera 3" Cylinder Surface <b>AE3CYSASY</b> - Aera 3" Cylinder Surface Asymmetric  <sup>1</sup> Surface Wall Wash also available. Consult other spec sheet.	<b>D</b> - Direct	<b>4IN</b> <sup>2</sup> - 4" <b>8IN</b> - 8" <b>12IN</b> - 12" <b>CH#IN</b> <sup>3</sup> - Custom height  <sup>2</sup> Not available with DMNC/DMRM canopy options when specified with integral drivers. <sup>3</sup> Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 5.	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#	<b>BVL</b> - Bevel <b>PHL</b> - Pinhole <b>BVLD</b> - Decorative bevel	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FSPC</b> - Satin silver <b>FSSPC</b> - Matte silver <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#

LENS See page 5 for details	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY	VOLTAGE
	<b>SW</b>		<b>2STP</b>			<b>NA</b>	
<b>At baffle</b> Specify NOL for Pinhole  <b>SDL</b> - Soft diffused lens, Solite <b>FDL</b> - Frosted diffused lens <b>CL</b> - Clear lens <b>NOL</b> - No lens	<b>SW</b> - Static white	<b>15DEG</b> - 15° Narrow spot <b>25DEG</b> - 25° Spot <b>35DEG</b> - 35° Narrow flood <b>50DEG</b> - 50° Wide flood	<b>2STP</b> - 2 Step MacAdam Ellipse	<b>90CRI</b> - 90 CRI <b>80CRI</b> - 80 CRI	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>At light element</b>  <b>NA</b> - Not applicable	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V

WATTAGE		DIMMING		CANOPY TYPE <sup>8</sup>	CANOPY FINISH Specify NA for DM	OPTION
						ES
SURFACE	SURFACE ASY.	INTEGRAL	REMOTE <sup>5</sup>	FLR <sup>9</sup> - Flat round canopy, 4" octagonal junction box CDR <sup>9</sup> - Conduit feed, round canopy DMNC <sup>10</sup> - Direct mount, new construction DMRM <sup>10,11</sup> - Direct mount, remodel	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL# NA - Not applicable	ES - ENERGY STAR
10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm	10W - 10 W output, up to 1029 lm 14W - 14 W output, up to 1406 lm	D1 - 1% 0-10V ELV <sup>4</sup> - ELV 120V TRI <sup>4</sup> - TRIAC 120V  <sup>4</sup> Available with 120V only.	RD1 - 1% 0-10V RELV <sup>6</sup> - ELV 120V RTRI <sup>6</sup> - TRIAC 120V RLDE1 <sup>7</sup> - Lutron Hi-lume 1% Eco  <sup>5</sup> A remote driver box is provided, see page 6 for details. <sup>6</sup> Available with 120V only. <sup>7</sup> On-site commissioning is required.	   		

# AERA 3" CYLINDER

SURFACE, SURFACE ASYMMETRIC

Title 24 JA8



Project: \_\_\_\_\_

Type: \_\_\_\_\_



## Order Guide

LUMINAIRE ID <sup>1</sup>	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
	<b>D</b>				
<b>AE3CYS</b> - Aera 3" Cylinder Surface <b>AE3CYSASY</b> - Aera 3" Cylinder Surface Asymmetric  <sup>1</sup> Surface Wall Wash also available. Consult other spec sheet.	<b>D</b> - Direct	<b>4IN</b> <sup>2</sup> - 4" <b>8IN</b> - 8" <b>12IN</b> - 12" <b>CH#IN</b> <sup>3</sup> - Custom height  <sup>2</sup> Not available with DMNC/DMRM canopy options when specified with integral drivers. <sup>3</sup> Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 5.	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#	<b>BVL</b> - Bevel <b>PHL</b> - Pinhole <b>BVLD</b> - Decorative bevel	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FSPC</b> - Satin silver <b>FSSPC</b> - Matte silver <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL#

LENS * See page 5 for details	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY * See page 5 for details	VOLTAGE
				<b>90CRI</b>			
<b>At baffle</b> Specify NOL for Pinhole  <b>SDL</b> - Soft diffused lens, Solite <b>FDL</b> - Frosted diffused lens <b>CL</b> - Clear lens <b>NOL</b> - No lens	<b>SW</b> - Static white	<b>15DEG</b> - 15° Narrow spot <b>25DEG</b> - 25° Spot <b>35DEG</b> - 35° Narrow flood <b>50DEG</b> - 50° Wide flood <b>80DEG</b> <sup>4</sup> - 80° Very wide flood <b>90DEG</b> <sup>4</sup> - 90° Open flood  <sup>4</sup> Not available with Asymmetric.	<b>2STP</b> - 2 Step MacAdam Ellipse <b>3STP</b> - 3 Step MacAdam Ellipse	<b>90CRI</b> - 90 CRI	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>At light element</b>  <b>LSDL</b> - Soft diffused lens, Solite <b>LFDL</b> - Frosted diffused lens <b>NA</b> - None	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V
	<b>SOLA</b> - Dim-to-warm single channel control	<b>50DEG</b> - 50° Wide flood	<b>3STP</b> - 3 Step MacAdam Ellipse		<b>SOLA</b> <sup>5</sup> - Dim-to-warm single channel control  <sup>5</sup> 3500K to 2200K		

\* LSDL or LFDL at light element cannot be combined with SDL, FDL, or CL at baffle. For SOLA, one of the following lenses must be specified: SDL, FDL, LSDL, or LFDL.

WATTAGE		DIMMING		CANOPY TYPE <sup>10</sup>	CANOPY FINISH Specify NA for DM	OPTION
						JA8
SURFACE	SURFACE ASY.	INTEGRAL	REMOTE <sup>7</sup>	<b>FLR</b> <sup>11</sup> - Flat round canopy, 4" octagonal junction box <b>CDR</b> <sup>11</sup> - Conduit feed, round canopy <b>DMNC</b> <sup>12</sup> - Direct mount, new construction <b>DMRM</b> <sup>12,13</sup> - Direct mount, remodel  <sup>10</sup> See page 6 for details. <sup>11</sup> For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. <sup>12</sup> 4" long cylinders require a remote driver. <sup>13</sup> Single wiring entry only. No daisy chain connections allowed.	<b>FTMW</b> - Matte white <b>FTMB</b> - Matte black <b>FCHP</b> - Champagne <b>FDBZ</b> - Dark bronze <b>CF#</b> - Custom finish, specify RAL# <b>NA</b> - Not applicable	<b>JA8</b> - JA8 compliant
<b>10W</b> - 10 W output, up to 1132 lm <b>14W</b> - 14 W output, up to 1545 lm	<b>10W</b> - 10 W output, up to 1029 lm <b>14W</b> - 14 W output, up to 1406 lm	<b>D1</b> - 1% 0-10V <b>ELV</b> <sup>6</sup> - ELV 120V <b>TRI</b> <sup>6</sup> - TRIAC 120V  <sup>6</sup> Available with 120V only.	<b>RD1</b> - 1% 0-10V <b>RELV</b> <sup>8</sup> - ELV 120V <b>RTRI</b> <sup>8</sup> - TRIAC 120V <b>RLDE1</b> <sup>9</sup> - Lutron Hi-lume 1% Eco  <sup>7</sup> A remote driver box is provided, see page 6 for details. <sup>8</sup> Available with 120V only. <sup>9</sup> On-site commissioning is required.			
<b>12W</b> - 12 W output, up to 725 lm	<b>12W</b> - 12 W output, up to 625 lm	<b>SD1</b> - Single 0-10V input <b>SELV</b> <sup>6</sup> - ELV 120V <b>STRI</b> <sup>6</sup> - TRIAC 120V	<b>RSD1</b> - Single 0-10V input <b>RSELV</b> <sup>8</sup> - ELV 120V <b>RSTRI</b> <sup>8</sup> - TRIAC 120V			

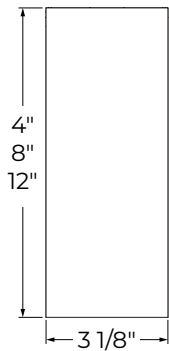
# AERA 3" CYLINDER

SURFACE, SURFACE ASYMMETRIC



## Dimensions

### CYLINDER

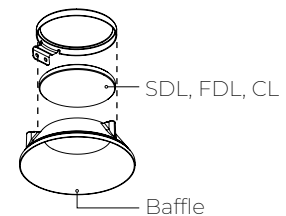
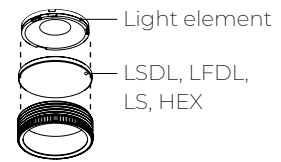


#### Minimum heights - Cylinder

Size	Integral driver in cylinder	Integral driver in J-box	Remote driver
Ø 3"	7"	4"	4"

\*Consult factory for maximum heights.

## Lens and Accessories



### BAFFLE

BVL Bevel	PHL Pinhole	BVLD Decorative bevel
<div> <div></div> Baffle finish                 <div></div> Matte black             </div>		

# AERA 3" CYLINDER

## SURFACE, SURFACE ASYMMETRIC



### Mounting

#### CANOPY

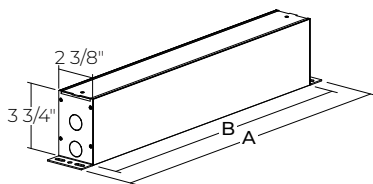
INTEGRAL DRIVER				
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM * Direct mount, remodel
Canopy type				
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	NA	
Min. height	4" (Driver in junction box) 8" (Driver in cylinder)		8"	

REMOTE DRIVER				
FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM * Direct mount, remodel	
Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	NA		
4"				

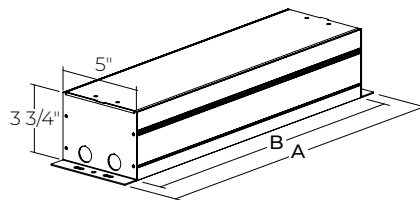
\* Single wiring entry only. No daisy chain connections allowed.

#### REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



RDB24W



	RDB8	RDB18	RDB24	RDB24W
A	10"	20"	26"	26"
B	8"	18"	24"	24"
DRIVER	<b>RD1</b> - 1% 0-10V <b>RELV</b> - ELV 120V <b>RTRI</b> - TRIAC 120V  <b>SOLA</b> <b>RSD1</b> - Single 0-10V input <b>RSELV</b> - ELV 120V <b>RSTRI</b> - TRIAC 120V	<b>RLDE1</b> - Lutron Hi-lume 1% Eco <b>RDA</b> - DALI <b>RELD1</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0</b> - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. <b>RD1+EB</b> - 1% 0-10V <b>RELV+EB</b> - ELV 120V <b>RTRI+EB</b> - TRIAC 120V  <b>DUO</b> <b>RDMX</b> - DMX <b>RDDA</b> - DALI DT6 <b>RDDA8</b> - DALI DT8 <b>RDD1</b> - Dual 0-10V input for CCT/intensity <b>RLD2</b> - Lutron DALI-2 digital	Emergency battery (+EB) with the following driver options. <b>RLDE1+EB</b> - Lutron Hi-lume 1% Eco <b>RDA+EB</b> - DALI <b>RELD1+EB</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0+EB</b> - eldoLED 0.1% SOLOdrive 0-10V

# AERA 3" CYLINDER

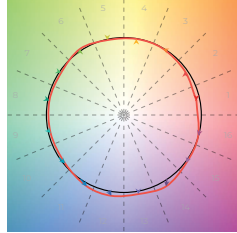
## SURFACE, SURFACE ASYMMETRIC



### Color Quality

#### COLOR QUALITY - 3500K

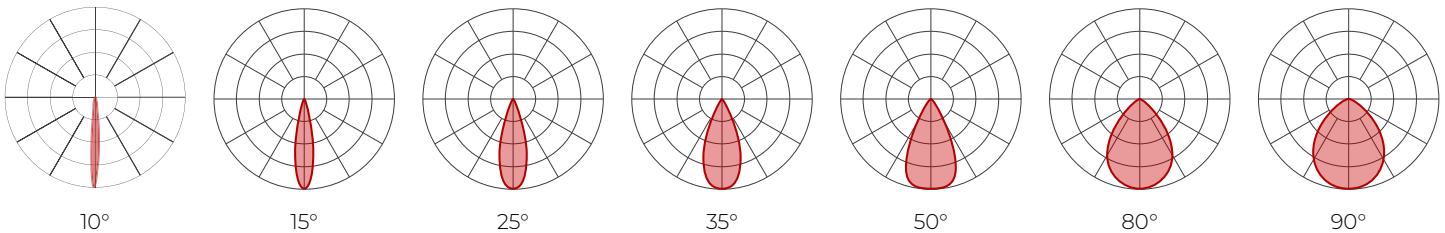
TM-30 R <sub>r</sub>	90
TM-30 R <sub>g</sub>	100
CRI	90
R9	> 50



### Photometrics

#### SURFACE

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



#### Delivered lumens

CRI	90 CRI							95 CRI							80 CRI						
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
10 W	888	987	1053	1058	937	843	843	684	760	811	815	721	649	649	950	1056	1127	1132	1003	902	902
14 W	1212	1347	1438	1444	1280	1152	1152	933	1037	1107	1112	986	887	887	1297	1441	1539	1545	1370	1233	1233
20 W	1675	1861	1986	1995	1768	1591	1591	1290	1433	1529	1536	1361	1225	1225	1792	1991	2125	2135	1892	1703	1703

#### Efficacy

CRI	90 CRI							95 CRI							80 CRI						
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
10 W	89	99	105	106	94	84	84	68	76	81	81	72	65	65	95	106	113	113	100	90	90
14 W	87	96	103	103	91	82	82	67	74	79	79	70	63	63	93	103	110	110	98	88	88
20 W	84	93	99	100	88	80	80	64	72	76	77	68	61	61	90	100	106	107	95	85	85

#### MULTIPLIERS

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

CCT	BAFFLE STYLE AND COLOR			LENS * (At baffle)		ACCESSORIES * (At light element)	
2400K	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
2700K		Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
3000K	Pinhole	White	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84
3500K		Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86
4000K	Decorative bevel	White	1	* When more than one lens or accessory is specified, multiply together the value of each lens and/or accessory. e.g. NOL + LSDL + LS = 1.1 x 1 x 0.84 = 0.924			
5000K		Black	1				

For SOLA and DUO, please consult factory.

# AERA 3" CYLINDER

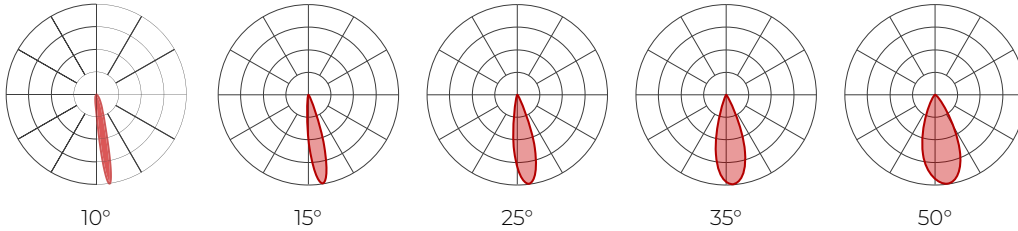
## SURFACE, SURFACE ASYMMETRIC



### Photometrics

#### SURFACE ASYMMETRIC

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



#### Delivered lumens

CRI	90 CRI					95 CRI					80 CRI				
BEAM	10°	15°	25°	35°	50°	10°	15°	25°	35°	50°	10°	15°	25°	35°	50°
10 W	770	855	962	952	876	592	658	741	733	675	823	914	1029	1018	937
14 W	1050	1167	1314	1300	1197	809	899	1012	1001	921	1124	1249	1406	1391	1280
20 W	1451	1612	1815	1795	1653	1117	1241	1397	1382	1272	1553	1725	1942	1921	1768

#### Efficacy

CRI	90 CRI					95 CRI					80 CRI				
BEAM	10°	15°	25°	35°	50°	10°	15°	25°	35°	50°	10°	15°	25°	35°	50°
10 W	77	85	96	95	88	59	66	74	73	67	82	91	103	102	94
14 W	75	83	94	93	85	58	64	72	71	66	80	89	100	99	91
20 W	73	81	91	90	83	56	62	70	69	64	78	86	97	96	88

#### MULTIPLIERS

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

CCT		BAFFLE STYLE AND COLOR			LENS * (At baffle)		ACCESSORIES * (At light element)	
2400K	0.87	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
2700K	0.94		Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
3000K	0.98	Pinhole	White	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84
3500K	1		Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86
4000K	1.05	Decorative bevel	White	1	* When more than one lens or accessory is specified, multiply together the value of each lens and/or accessory. e.g. NOL + LSDL + LS = 1.1 x 1 x 0.84 = 0.924			
5000K	1.05		Black	1				

For SOLA and DUO, please consult factory.



# AERA 3" CYLINDER

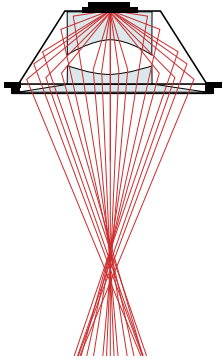
## SURFACE, SURFACE ASYMMETRIC



### 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 which helps increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms. The cyan region in full spectrum LED is richer at the 480 nm range.

##### 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. 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%.

**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, 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 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, pinhole, and decorative bevel

#### WEIGHT

**4":** 1.4 lbs - 0.6 kg

**8":** 2 lbs - 0.9 kg

**12":** 2.4 lbs - 1.1 kg

# AERA 3" CYLINDER

## SURFACE, SURFACE ASYMMETRIC



### LENS AND ACCESSORIES



Soft diffused  
lens, Solite



Frosted  
diffused lens



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.

**ENERGY STAR:** ENERGY STAR certified

**Title 24 JA8:** California Building Standards Code

**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.