

PENDANT DIRECT/INDIRECT, DIRECT





Aera Family (Refer to other spec sheets) Downlight



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



Round / Square



Recessed Wall Wash



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

Multi-aperture



Round / Square



Round / Square Recessed Wall Wash

Cylinder



Pendant Pendant Wall Wash



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



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











PENDANT DIRECT/INDIRECT, DIRECT

| Project: | |
|----------|--|
| Ů | |
| Type: | |

Order Guide

| LUMINAIRE ID | DISTRIBUTION | ENVIRONMENT | CYLINDER HEIGHT | Г | CYLINDER FINISH ³ | BAFFLE STYLE | BAFFLE FINISH |
|---|----------------------------|--|--|--------------------------------------|--|----------------|--|
| AE4SEALCYP | | | | | | BVLG | |
| AE4SEALCYP 1 - Aera 4" | DI - | STR - Standard | DIRECT/INDIRECT | DIRECT | FTMWE - Textured | BVLG - | FTMW - Textured |
| Seal Cylinder Pendant 1P66 rated gasketed construction with an | Direct/Indirect D - Direct | temperature range, 0°C to 25°C (32°F to 77°F) ETR - Extended temperature range, | 10IN - 10" 12IN - 12" 14IN - 14" | 8IN - 8" 10IN - 10" 12IN - 12" | matte white exterior finish FTMBE - Textured matte black exterior | Gasketed bevel | matte white FTMB - Textured matte black FSPC - Specular |
| additional clear tempered glass lens. | | -30°C to 40°C (-22°F to | CH#IN 2 - Custom he | eight | finish | | FSSPC - Semi-specular CF# - Custom finish. |
| | | 104°F) | ² Specify height (#) in 1" ir Up to maximum 36". | ncrements only. | ³ Consult factory for custom exterior finishes. | | specify RAL# |

| LIGHT SOURCE | DIRECT BEAM | COLOR QUALITY | CRI | COLOR TEMP. | ACCESSORY ⁶ See page 3 for details | VOLTAGE |
|---|---|--|---|---|--|---|
| SW - Static white | 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood | 2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse | 90CRI - 90+ CRI 95CRI - 95+ CRI 80CRI - 80+ CRI | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA 4 - Dim-to-warm | At light element (choose up to 1 option) LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens HEX 7 - Hex louver | 120V - 120V 277V - 277V UNV - 120V-277V 347V ⁸ - 347V |
| warm single channel control DUO - Tunable white 2-channel control | 90DEG - 90° Open flood 50DEG - 50° Wide flood | 3STP - 3 Step MacAdam Ellipse | 90CRI - 90+ CRI | single channel control DUO ⁵ - Tunable white 2-channel control ⁴ 3500K to 2200K ⁵ 6500K to 2700K | NA - None 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). | driver only. Please consult factory. |

| DIRECT WATTAGE | INDIRECT WATTAGE Specify NA for Direct | DIMMING 12 | | | | | |
|---|--|--|--|--|--|--|--|
| | | | | | | | |
| 14W - 14 W output, up to 1308 lm | 14W ¹¹ - 14 W output, up to 827 lm | INTEGRAL | REMOTE 14, 15 | | | | |
| 20W - 20 W output, up to 1824 Im 28W ^{9, 10} - 28 W output, up to 2450 Im | 20W ¹⁰ - 20 W output, up to 1163 lm NA - Not applicable | D1 - 1% 0-10V ELV ¹³ - ELV 120V TRI ¹⁵ - TRIAC 120V | RD1 - 1% 0-10V RELV ¹⁶ - ELV 120V RTRI ¹⁶ - TRIAC 120V RLDE1 ¹⁷ - Lutron Hi-lume 1% Eco | RDA ¹⁷ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹⁸ - Emergency battery | | | |
| ⁹ Not available for a DI fixture. ¹⁰ Not available with extended temperatur ¹¹ Not available with extended temperatur ²⁰ W direct wattage. | | "Pot (Power-over-Etnernet) compatible. Consult factory for details. "Available with 120V only. | **A remote driver box is provided, see page 5 for details. **The remote driver box must be installed in dry/damp environments with ambient temperatures of °C to 25°C (32°F to 77°F). **Available with 120V only. **On-site commissioning is required. **For emergency battery, code will be like the following example: RD1+EB. | | | | |
| SOLA 25W - 25 W output, up to 1400 lm DUO 19W - 19 W output, up to 1100 lm | SOLA 12W - 12 W output, up to 483 lm DUO 11W - 11 W output, up to 305 lm NA - Not applicable | SOLA SDI - Single 0-10V input SELV ¹³ - ELV 120V STRI ¹³ - TRIAC 120V | SOLA RSD1 - Single 0-10V input RSELV ¹⁶ - ELV 120V RSTRI ¹⁶ - TRIAC 120V | DUO RDMX 17 - DMX RDDA 17 - DALI DT6 RDDA8 17 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 17 - Lutron DALI-2 digital | | | |

| ELECTRICAL | CANOPY TYPE 20 | ANOPY TYPE ²⁰ CANOPY FINISH ²¹ | | | | |
|---|--|---|---|--|--|--|
| | FLR | | | | | |
| 1C - 1 circuit 2C ¹⁹ - 2 circuits | FLR - Flat round canopy, 4" octagonal junction box | FTMWE - Textured matte white exterior finish FTMBE - Textured matte black exterior finish | BKES##IN - Textured black exterior finish stem WHES##IN - Textured white exterior finish stem | | | |
| ¹⁹ Available with Direct/Indirect only. | ²⁰ See page 3 for details. | ²¹ Consult factory for custom exterior finishes. | ²² For a Direct fixture, the total stem length does not include a 1" tall bracket located at the top of the cylinder. See page 4 details. ²³ Stem Min 10" - max 72", specify length (##) in inches. ²⁴ Consult factory for custom exterior finishes. | | | |

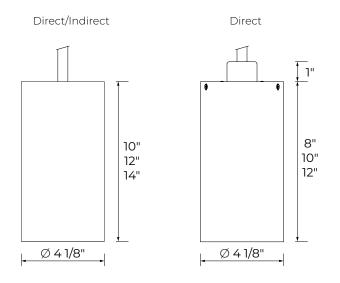




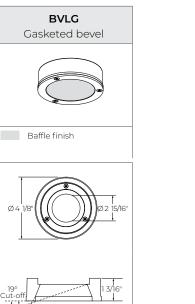


PENDANT DIRECT/INDIRECT, DIRECT

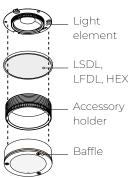
Dimensions



Accessories

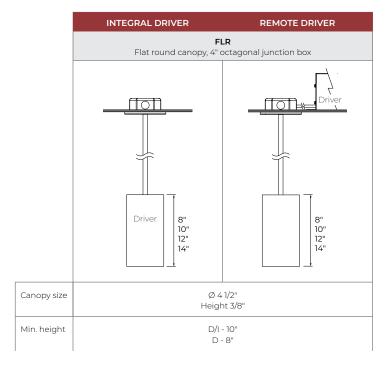


/ 68° Shielding



Mounting

CANOPY

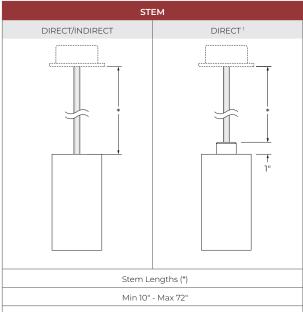






PENDANT DIRECT/INDIRECT, DIRECT

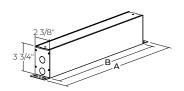
SUSPENSION

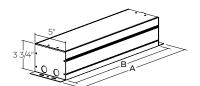


For a Direct fixture, the total stem length does not include a 1" tall bracket located at the top of the cylinder.

REMOTE DRIVER BOX

RDB8/RDB18/RDB24





RDB24W

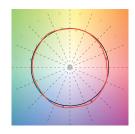
| | RDB8 | RDB18 | RDB24 | RDB24W |
|--------|--|--|--|---|
| Α | 10" | 20" | 26" | 26" |
| В | 8" | 18" | 24" | 24" |
| DRIVER | RD1 - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V SOLA RSD1 - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V | RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 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 RTRI+EB - TRIAC 120V DUO RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT6 RDD1 - Dual 0-10V input for CCT/intensity RLD2 - Lutron DALI-2 digital | 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 RELD0+EB - eldoLED 0.1% SOLOdrive 0-10V |



PENDANT DIRECT/INDIRECT, DIRECT

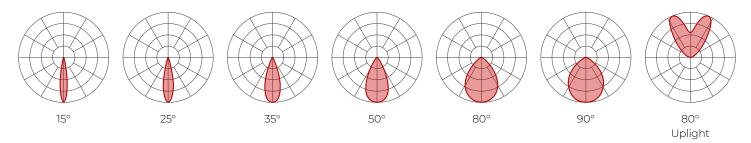
Color Quality

COLOR QUALITY - 3500K TM-30 R_f 90 TM-30 R_o 100 CRI 90 R9 > 50



Photometrics

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



Delivered lumens

| CRI | CRI 90+ CRI | | | | | 95+ CRI | | | | | | 80+ CRI | | | | | | | | | |
|------|-------------|------|------|------|------|---------|---------|------|------|------|------|---------|------|---------|------|------|------|------|------|------|---------|
| BEAM | 15° | 25° | 35° | 50° | 80° | 90° | Uplight | 15° | 25° | 35° | 50° | 80° | 90° | Uplight | 15° | 25° | 35° | 50° | 80° | 90° | Uplight |
| 14 W | 1189 | 1221 | 1177 | 1153 | 1037 | 1037 | 772 | 915 | 940 | 906 | 887 | 799 | 799 | 594 | 1272 | 1308 | 1259 | 1234 | 1110 | 1110 | 827 |
| 20 W | 1659 | 1705 | 1641 | 1610 | 1449 | 1449 | 1086 | 1278 | 1313 | 1264 | 1239 | 1115 | 1115 | 836 | 1776 | 1824 | 1756 | 1722 | 1549 | 1549 | 1163 |
| 28 W | 2228 | 2290 | 2204 | 2160 | 1944 | 1944 | NA | 1716 | 1763 | 1697 | 1663 | 1497 | 1497 | NA | 2383 | 2450 | 2358 | 2311 | 2080 | 2080 | NA |

Efficacy

| CRI | CRI 90+ CRI | | | | | | 95+ CRI | | | | | | 80+ CRI | | | | | | | | |
|------|-------------|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|---------|---------|-----|-----|-----|-----|-----|-----|---------|
| BEAM | 15° | 25° | 35° | 50° | 80° | 90° | Uplight | 15° | 25° | 35° | 50° | 80° | 90° | Uplight | 15° | 25° | 35° | 50° | 80° | 90° | Uplight |
| 14 W | 85 | 87 | 84 | 82 | 74 | 74 | 55 | 65 | 67 | 64 | 64 | 57 | 57 | 43 | 91 | 93 | 90 | 88 | 79 | 79 | 59 |
| 20 W | 83 | 85 | 82 | 81 | 73 | 73 | 54 | 64 | 65 | 63 | 62 | 56 | 56 | 42 | 88 | 91 | 87 | 86 | 77 | 77 | 58 |
| 28 W | 80 | 82 | 79 | 77 | 70 | 70 | NA | 61 | 63 | 61 | 59 | 53 | 53 | NA | 85 | 87 | 84 | 82 | 74 | 74 | NA |

MULTIPLIERS

For SOLA and DUO. please consult factory.

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

| сст | | BAFFLE CO | OLOR | ACCESSORIES | | | |
|----------------|-------------|-------------------|--------|-------------|-------------------------------|------|--|
| 2700K 3000K | 0.9 0.95 | Gasketed bevel | White | 1 | Soft diffused lens, Solite | 1 | |
| 3500K | 1 | | Bidoit | | Frosted lens | 0.8 | |
| 4000K | 1.05 | | | | Hex louver | 0.86 | |

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

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





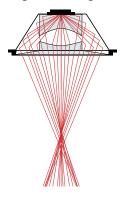


PENDANT DIRECT/INDIRECT, DIRECT

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 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.

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 Stem: Ø 1/2" rigid stem 10" to 72" standard length

Canopy: Flat

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 |
|--|---|
| 10" : 6.5 lbs - 2.9 kg 12" : 7.8 lbs - 3.5 kg | 8" : 4.4 lbs - 2.0 kg 10" : 5.5 lbs - 2.5 kg |
| 14" : 9.1 lbs - 4.1 kg | 12" : 6.6 lbs - 3.0 kg |

ACCESSORIES









Soft diffused lens. Solite

Frosted diffused lens

Hex louver





PENDANT DIRECT/INDIRECT, DIRECT

ENVIRONMENT

For the standard temperature range (STR) option, ambient temperature at fixture location shall be within 0°C/32°F to 25°C/77°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.

