

AERA 2" MULTI-APERTURE

ROUND RECESSED



Declare.



1 X 3
Bevel Trimless

Array



Ceiling Types



Drywall



Millwork



Acoustic Tile

Installation Types

New Construction (Type Non-IC, Type-IC, CCEA)

Plenum Clearance



Aera recessed multi-apertures are true to size, encased in minimalist housing, and suitable additions to any interior space where outstanding optical performance, maximal eye comfort, and/or an industry-leading wall wash are required.

Beam Angles



15° 25° 35° 50° 80° 90° Wall Wash
Low UGR < 10 in 15°, 25°, 35°, and 50° beams
Recessed Adjustable - Max. tilt 35°

Light Source

Static White
Full Spectrum
SOLA - Dim-to-Warm



COB

2 Step Color Binning
Up to 95 CRI

Driver

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

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 2" MULTI-APERTURE

ROUND RECESSED



Project: _____

Type: _____

Order Guide

1 - Housing (Example: AE2MRR-1X2M-TRM-OF-ASB)

| LUMINAIRE ID ¹ | ARRAY | TRIM STYLE | INSTALLATION TYPE | MOUNTING OPTION ³ |
|---|--|---|--|--|
| AE2MRR | | | | |
| AE2MRR - Aera 2" Multi-aperture Round Recessed ¹ Square recessed also available. Consult other spec sheet. | 1X2M - 1 X 2 1X3M - 1 X 3 1X4M - 1 X 4 2X2M - 2 X 2 | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | OF - Open Frame Type Non-IC IC ² - Type-IC CP ² - Chicago Plenum Type-IC (CCEA) ² Not available with 10 W output. | ASB - Adjustable standard bar hangers FMB - Flush mount bars ACB - Adjustable commercial bar hangers AHC - Adjustable hat channel bars NA - None ³ See page 4 for more details. |

2 - Module (Example: AE2MRRB-SW-15DEG-2STP-90CRI-27K-120V-7W-DI-LSDL+LS-TRM-CL-FTMW-FTMW-NA)

| MODULE (Specify order code for each module) | | | |
|---|--|--|--|
| M1 | | | |
| M2 | | | |
| M3 | | | |
| M4 | | | |

1 X 2

2 X 2

1 X 3

1 X 4

| LUMINAIRE ID | LIGHT SOURCE | BEAM Specify WW for Wall Wash | COLOR QUALITY | CRI | COLOR TEMP. | VOLTAGE |
|---|---|--|---|---|--|---|
| AE2MRRB - Aera 2" Round Recessed Bevel AE2MRRP - Aera 2" Round Recessed Pinhole AE2MRRAB - Aera 2" Round Recessed Adjustable Bevel AE2MRRAP - Aera 2" Round Recessed Adjustable Pinhole AE2MRRWWB - Aera 2" Round Recessed Wall Wash | SW - Static white FS - Full spectrum SOLA - Dim-to-warm single channel control | 15DEG ⁴ - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood WW - Wall wash ⁴ Not available for Adjustable models with full spectrum. | 2STP ⁵ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁵ Not available with full spectrum. | 90CRI ⁶ - 90 CRI 95CRI - 95 CRI 80CRI ⁶ - 80 CRI ⁶ Not available with full spectrum. | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K | 120V - 120V 277V - 277V UNV - 120V-277V 347V ⁷ - 347V ⁷ Available with RD1 driver only. Please consult factory. |

| WATTAGE PER LIGHT ⁸ | | | DIMMING ^{10,11} | | |
|--|--|--|---|--|--|
| RECESSED | RECESSED ADJ. | RECESSED WW | INTEGRAL | REMOTE ¹³ | |
| 7W ⁹ - 7 W output, up to 714 lm 10W ⁹ - 10 W output, up to 961 lm | 7W ⁹ - 7 W output, up to 714 lm 10W ⁹ - 10 W output, up to 736 lm | 7W ⁹ - 7 W output, up to 414 lm 10W ⁹ - 10 W output, up to 557 lm | DI ¹⁰ - 1% 0-10V ELV ¹² - ELV 120V TRI ¹² - TRIAC 120V ¹⁰ A driver provided per light. ¹¹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹² Available with 120V only. | RD1 ¹⁵ - DALI RELV ¹⁴ - ELV 120V RTRI ¹⁴ - TRIAC 120V RLDEI ¹⁵ - Lutron Hi-lume 1% Eco ¹³ Remote driver boxes (RDB) are provided. Multiple RDBs may be required. See page 3 for details. ¹⁴ Available with 120V only. ¹⁵ On-site commissioning is required. ¹⁶ For emergency battery, code will be like the following example: RD1+EB | |
| 10W ⁹ - 10 W output, up to 525 lm | 10W ⁹ - 10 W output, up to 525 lm | 10W ⁹ - 10 W output, up to 415 lm | SD1 - Single 0-10V input SELV ¹² - ELV 120V STR1 ¹² - TRIAC 120V | RSD1 - Single 0-10V input RSELV ¹⁴ - ELV 120V RSTR1 ¹⁴ - TRIAC 120V | |

| ACCESSORIES * See page 6 for details | TRIM STYLE Specify same as Housing | LENS * See page 6 for details | BAFFLE FINISH Specify NA for Pinhole | TRIM FLANGE FINISH ²⁰ Specify NA for Bevel Trimless & Wall Wash Trimless | OPTION Specify NA for Wall Wash |
|---|---|--|---|---|---|
| At light element ^{17,18} (choose up to 2 options for SW/FS and 1 option for SOLA) Specify NA for Wall Wash LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX ¹⁹ - Hex louver NA - None ¹⁷ Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. ¹⁸ LSDL and LFDL cannot be combined. LS and HEX cannot be combined. ¹⁹ Not available with 80°/90° beam options. | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | At baffle (choose 1 option) Specify NOL for Pinhole & WW for Wall Wash SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens WW - Wall wash diffuser | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable ²⁰ A trim flange finish option must be specified for pinhole. See page 5 for details. | WET ²¹ - Wet location NA - None ²¹ Must be specified with the bevel (AE2MRRB or AE2MRRAB), flanged trim (TRM), and either SDL, FDL, or CL lens options. |

* LSDL or LFDL at light element cannot be combined with SDL or FDL at baffle.

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AERA 2" MULTI-APERTURE

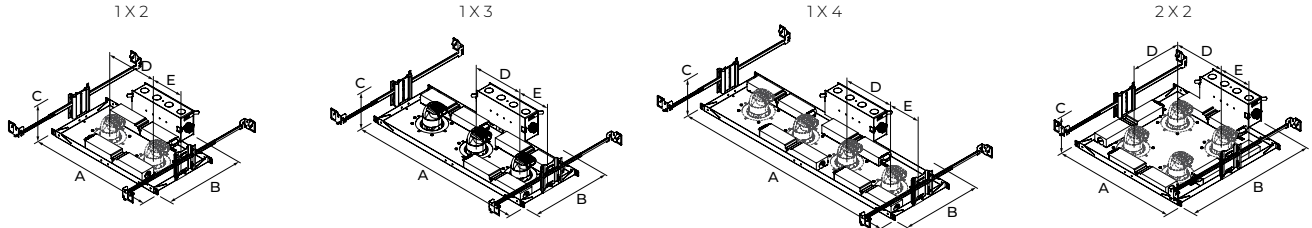
ROUND RECESSED



Housing

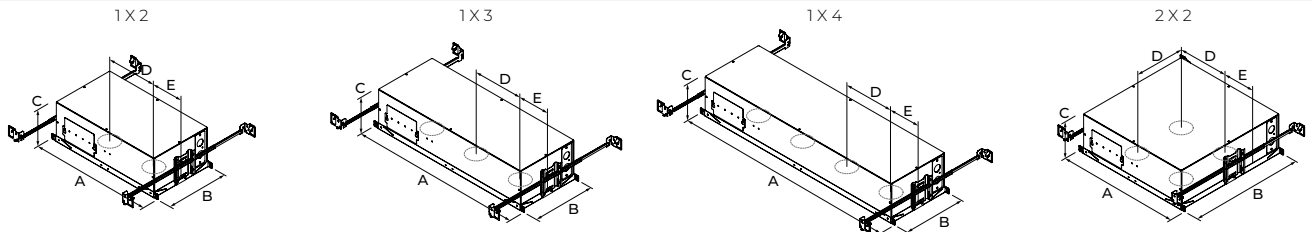
INSTALLATION TYPES

OF - Open Frame Type Non-IC



| | | | | |
|---|-----------------------------------|----------|-----------|-----------|
| A | 15 11/16" | 22 3/16" | 28 11/16" | 15 11/16" |
| B | 10 1/4" | | | 16 3/4" |
| C | 5" | | | |
| D | 6 1/2" (center-to-center spacing) | | | |
| E | 4" (center-to-end spacing) | | | |

IC - Type-IC / CP - Chicago Plenum Type-IC (CCEA)

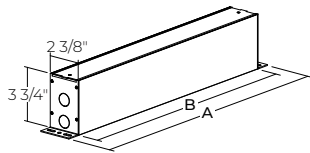


| | | | | |
|---|-----------------------------------|----------|-----------|-----------|
| A | 15 11/16" | 22 3/16" | 28 11/16" | 15 11/16" |
| B | 8" | | | 14 1/2" |
| C | 5 1/16" | | | |
| D | 6 1/2" (center-to-center spacing) | | | |
| E | 4" (center-to-end spacing) | | | |

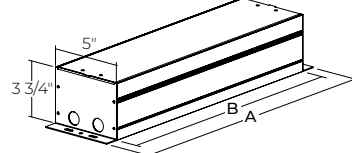
- For OF, IC, and CP installation types with remote dimming, a remote driver box is provided.

REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



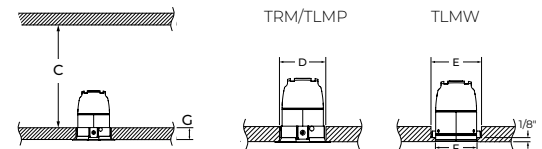
RDB24W



| | RDB8 | RDB18 | RDB24 | RDB24W |
|--------|--|--|--|--|
| A | 10" | 20" | 26" | 26" |
| B | 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 | 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 |

- Multiple remote driver boxes may be required for multiple light modules.

PLENUM CLEARANCE & CUT-OUT DIMENSIONS



| | PLENUM CLEARANCE HEIGHT | | |
|---|---------------------------|-------------------------|----|
| | REMOTE & INTEGRAL | | |
| | OF | IC | CP |
| C | 5" | 5 1/16" | |
| | CUT-OUT DIMENSIONS | | |
| D | TRM/TLMP | Ø 2 1/2" | |
| E | TLMW | Ø 2 1/2" | |
| F | | Ø 2 1/16" with 1/8" lip | |
| | MAXIMUM CEILING THICKNESS | | |
| G | TRM/TLMP | 1" | |
| | TLMW | 5/8" | |

AERA 2" MULTI-APERTURE

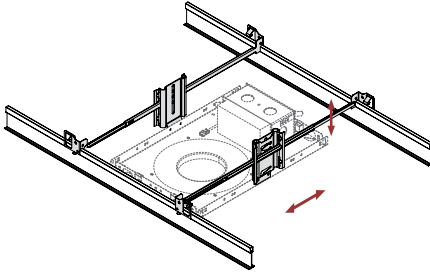
ROUND RECESSED



Housing

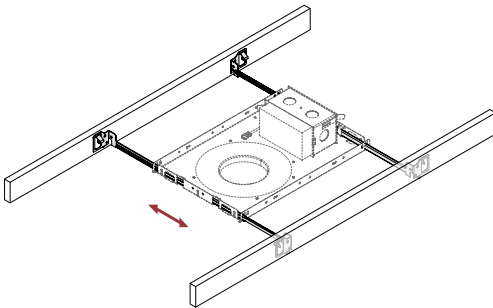
MOUNTING OPTIONS

ASB - Adjustable Standard Bar Hangers



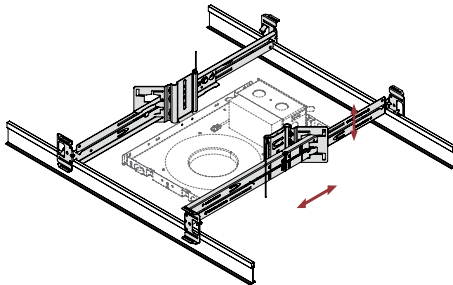
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

FMB - Flush Mount Bars



Flush Mount Bars are best used in residential applications, fitting snug to the surface and suitable for Wood, Metal, and Drywall mounting. The flush mounted bars are static and can't be adjusted.

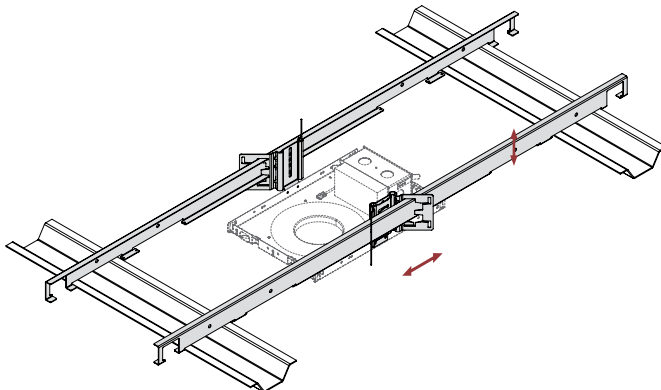
ACB - Adjustable Commercial Bar Hangers



Adjustable Commercial Bar hangers can be used in both commercial and residential applications and are by far the most versatile mounting bar we offer with its adjustability to various heights. ACB hangers are suitable for Grid Ceiling, Drywall, Metal, Wood and Frame mounting.

- Extremely rigid
- Fits into C-Channel notches in a Butterfly Bracket

AHC - Adjustable Hat Channel Bars



Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable for both Drywall and wood ceiling applications.

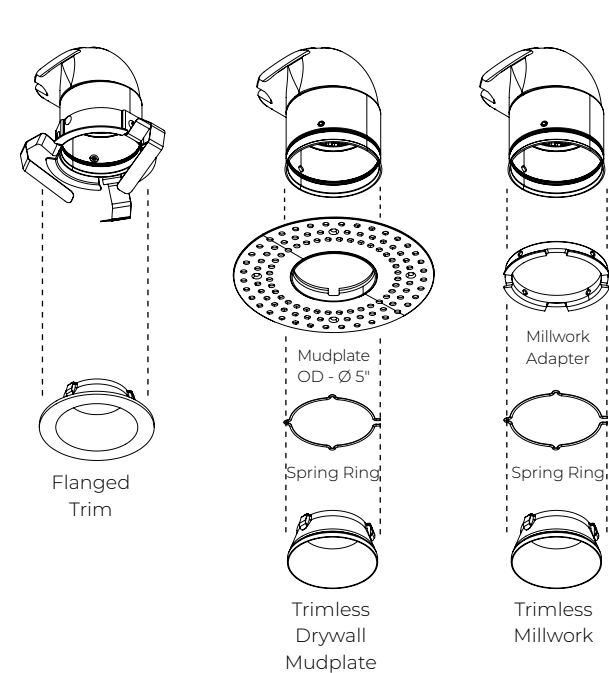
AERA 2" MULTI-APERTURE

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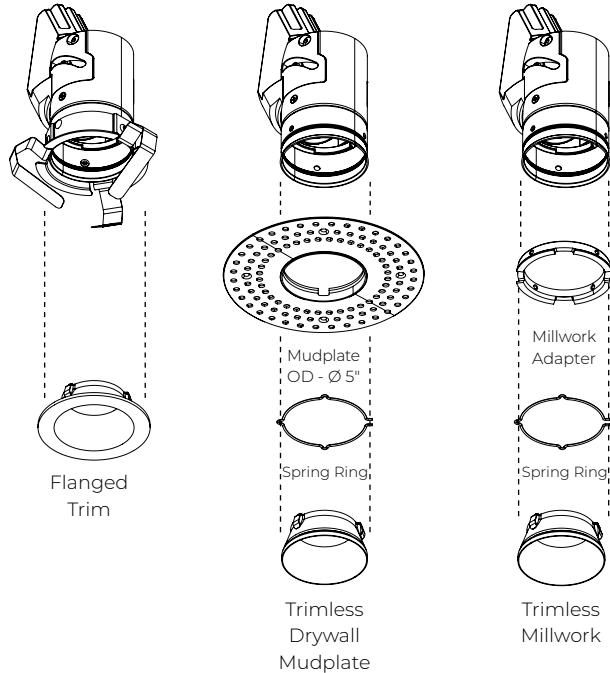




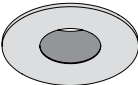

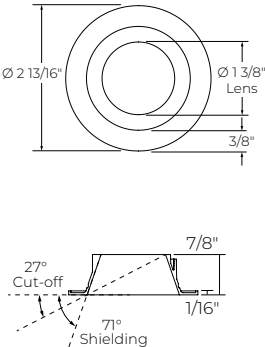
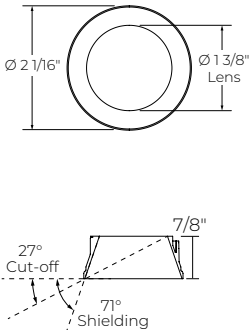
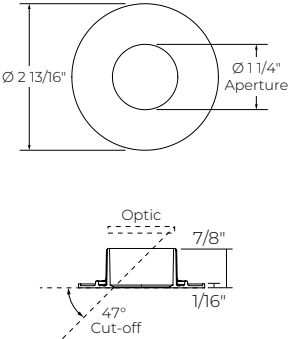
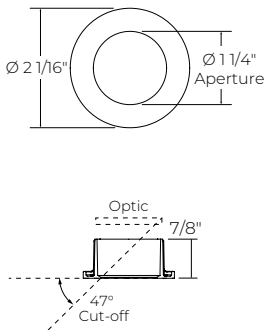
Light & Baffle

RECESSED



RECESSED ADJUSTABLE



| Bevel | | Pinhole | |
|--|---|---|---|
| TRM Flanged Trim | TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork | TRM Flanged Trim | TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork |
|  |  |  |  |
| <div> <div></div> <div>Baffle finish</div> </div> <div> <div></div> <div>Trim flange finish</div> </div> | | <div> <div></div> <div>Trim flange finish</div> </div> <div> <div></div> <div>Textured matte black</div> </div> | |
|  |  |  |  |

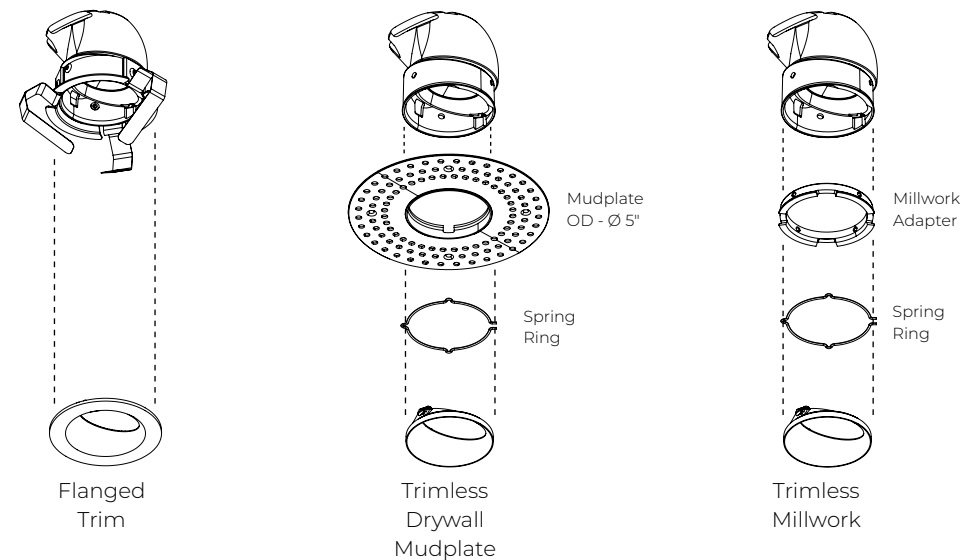
AERA 2" MULTI-APERTURE

ROUND RECESSED

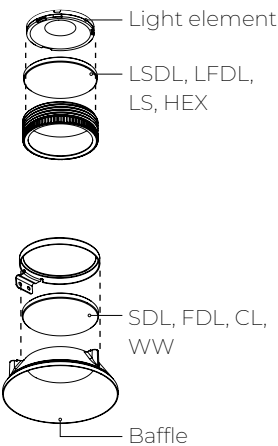


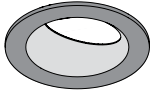

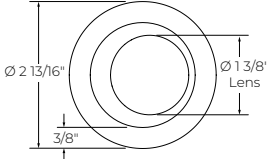
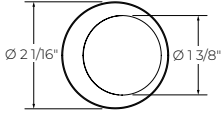
Light & Baffle

RECESSED WALL WASH



LENS AND ACCESSORIES



| Wall Wash | |
|---|---|
| TRM Flanged Trim | TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork |
|  |  |
| <div><div></div> Baffle finish</div> <div><div></div> Trim flange finish</div> | |
|  |  |

AERA 2" MULTI-APERTURE

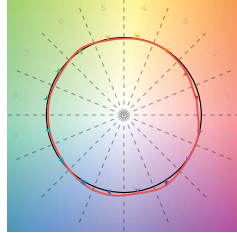
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Color Quality

COLOR QUALITY - 3500K

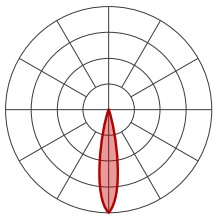
| | |
|----------------------|------|
| TM-30 R _r | 91 |
| TM-30 R _g | 100 |
| CRI | 90 |
| R9 | > 50 |



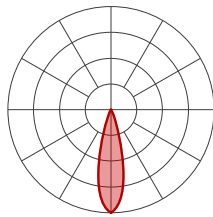
Photometrics

RECESSED - STATIC WHITE

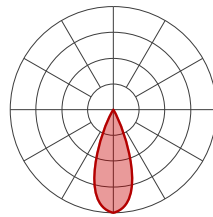
Values calculated based on 3500K, bevel baffle, and SDL lens option. All values are per light.



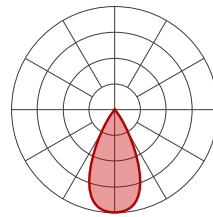
15°



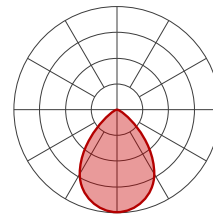
25°



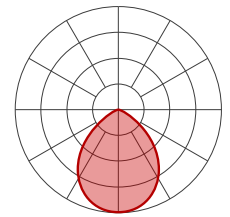
35°



50°



80°



90°

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° |
| 7 W | 611 | 667 | 659 | 632 | 569 | 569 | 470 | 514 | 507 | 487 | 438 | 438 | 654 | 714 | 705 | 676 | 609 | 609 |
| 10 W | 822 | 898 | 887 | 850 | 765 | 765 | 633 | 691 | 683 | 655 | 589 | 589 | 880 | 961 | 949 | 910 | 819 | 819 |

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° |
| 7 W | 87 | 95 | 94 | 90 | 81 | 81 | 67 | 73 | 72 | 70 | 63 | 63 | 93 | 102 | 101 | 97 | 87 | 87 |
| 10 W | 82 | 90 | 89 | 85 | 77 | 77 | 63 | 69 | 68 | 65 | 59 | 59 | 88 | 96 | 95 | 91 | 82 | 82 |

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) | |
|-------|------|------------------------|------|--|-----|-----------------------------------|------|
| 2700K | 0.9 | Flanged trim | 1 | SDL - Soft diffused lens, Solite | 1 | LSDL - Soft diffused lens, Solite | 1 |
| 3000K | 0.95 | Trimless | 1 | FDL - Frosted lens | 0.8 | LFDL - Frosted lens | 0.8 |
| 3500K | 1 | Bevel | 1 | CL - Clear lens | 1.1 | LS - Linear spread | 0.84 |
| 4000K | 1.05 | Wet bevel | 1 | NOL - No lens | 1.1 | HEX - Hex louver | 0.86 |
| | | Pinhole | 0.92 | * 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 | | | |
| | | White | 1 | | | | |
| | | Black | 1 | | | | |

AERA 2" MULTI-APERTURE

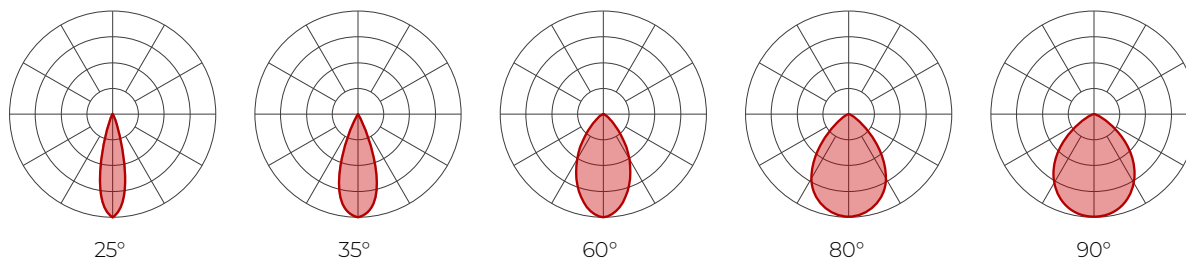
ROUND RECESSED



Photometrics

RECESSED - SOLA

Values calculated based on bevel baffle and SDL lens option. All values are per light.



SOLA

| BEAM | | 25° | | 35° | | 60° | | 80° | | 90° | |
|------|-------|-----|------|-----|------|-----|------|-----|------|-----|------|
| | | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W |
| 10 W | 3000K | 495 | 50 | 525 | 53 | 485 | 49 | 415 | 42 | 380 | 38 |
| | 2700K | 495 | 50 | 525 | 53 | 485 | 49 | 415 | 42 | 380 | 38 |

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.

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

AERA 2" MULTI-APERTURE

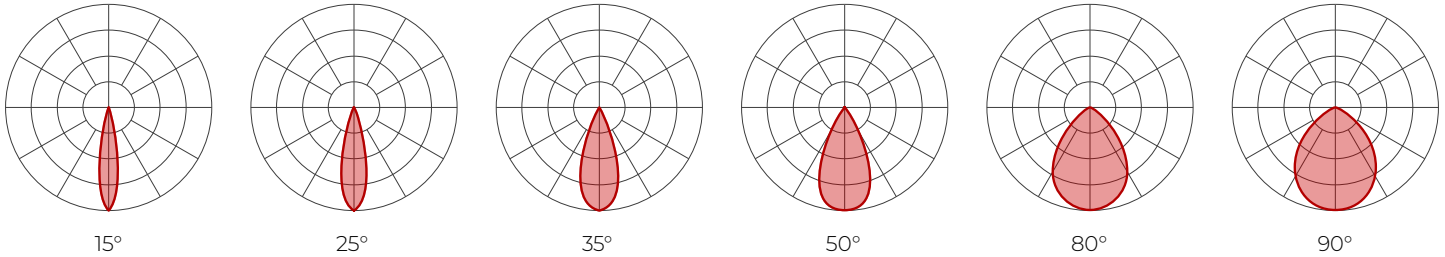
ROUND RECESSED



Photometrics

RECESSED ADJUSTABLE - STATIC WHITE

Values calculated based on 3500K, bevel baffle, and SDL lens option. All values are per light.



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° |
| 7 W | 479 | 523 | 516 | 495 | 446 | 446 | 369 | 403 | 397 | 381 | 343 | 343 | 513 | 560 | 552 | 530 | 477 | 477 |
| 10 W | 629 | 688 | 679 | 651 | 586 | 586 | 484 | 530 | 523 | 501 | 451 | 451 | 673 | 736 | 727 | 697 | 627 | 627 |

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° |
| 7 W | 68 | 75 | 74 | 71 | 64 | 64 | 53 | 58 | 57 | 54 | 49 | 49 | 73 | 80 | 79 | 76 | 68 | 68 |
| 10 W | 63 | 69 | 68 | 65 | 59 | 59 | 48 | 53 | 52 | 50 | 45 | 45 | 67 | 74 | 73 | 70 | 63 | 63 |

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) | |
|-------|------|------------------------|------|--|-----|-----------------------------------|------|
| 2700K | 0.9 | Flanged trim | 1 | SDL - Soft diffused lens, Solite | 1 | LSDL - Soft diffused lens, Solite | 1 |
| 3000K | 0.95 | Trimless | 1 | FDL - Frosted lens | 0.8 | LFDL - Frosted lens | 0.8 |
| 3500K | 1 | Bevel | 1 | CL - Clear lens | 1.1 | LS - Linear spread | 0.84 |
| 4000K | 1.05 | Wet bevel | 1 | NOL - No lens | 1.1 | HEX - Hex louver | 0.86 |
| | | Pinhole | 0.92 | * 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 | | | |
| | | White | 1 | | | | |
| | | Black | 1 | | | | |

AERA 2" MULTI-APERTURE

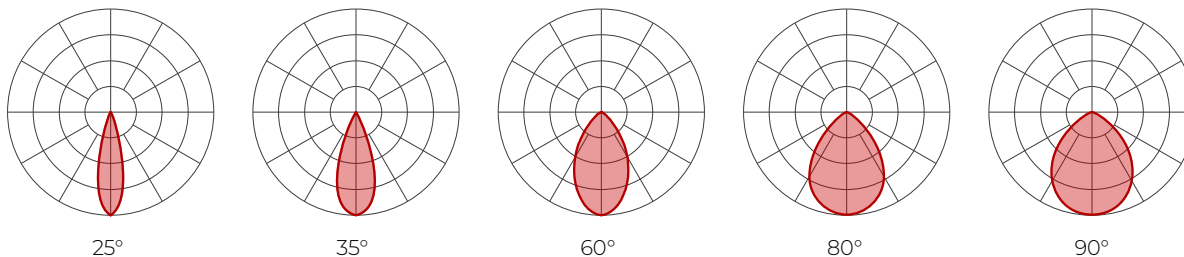
ROUND RECESSED



Photometrics

RECESSED ADJUSTABLE - SOLA

Values calculated based on bevel baffle and SDL lens option. All values are per light.



SOLA

| BEAM | | 25° | | 35° | | 60° | | 80° | | 90° | |
|------|-------|-----|------|-----|------|-----|------|-----|------|-----|------|
| | | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W |
| 10 W | 3000K | 495 | 50 | 525 | 53 | 485 | 49 | 415 | 42 | 380 | 38 |
| | 2700K | 495 | 50 | 525 | 53 | 485 | 49 | 415 | 42 | 380 | 38 |

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.

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

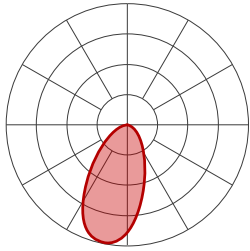
AERA 2" MULTI-APERTURE ROUND RECESSED



Photometrics

RECESSED WALL WASH

Values calculated with white wall wash baffle, and based on 3500K for static white. All values are per light.



STATIC WHITE

| CRI | 90 CRI | | 95 CRI | | 80 CRI | |
|------|--------|------|--------|------|--------|------|
| | lm | lm/W | lm | lm/W | lm | lm/W |
| 7 W | 387 | 55 | 298 | 43 | 414 | 59 |
| 10 W | 521 | 52 | 401 | 40 | 557 | 56 |

SOLA

| | | lm | lm/W |
|------|-------|-----|------|
| 10 W | 3000K | 415 | 42 |
| | 2700K | 415 | 42 |

MULTIPLIERS

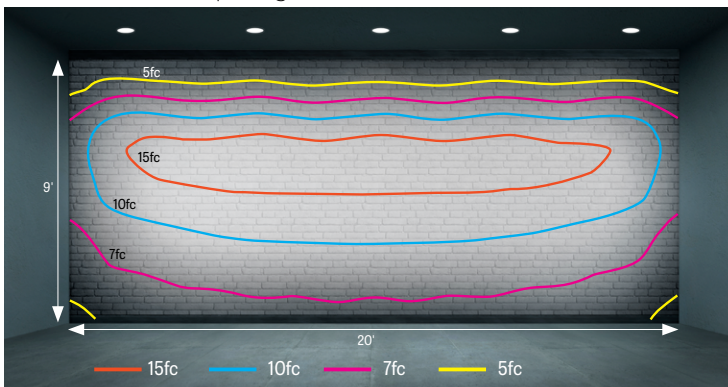
Please follow the multiplier tables to ensure correct lumen value. CCT and baffle colors will change the lumen value.

| CCT | | BAFFLE STYLE AND COLOR | |
|--------------|------|------------------------|---|
| STATIC WHITE | | Flanged trim | 1 |
| 2700K | 0.9 | Trimless | 1 |
| 3000K | 0.95 | White | 1 |
| 3500K | 1 | Black | 1 |
| 4000K | 1.05 | | |

UNIFORMITY

Values calculated based on 3500K and white wall wash baffle.

24" from Wall - 36" Spacing



Foot-candles

| FC ON WALL | | 24" FROM WALL - 24" SPACING | | | 24" FROM WALL - 36" SPACING | | | 24" FROM WALL - 48" SPACING | | |
|----------------------|----|-----------------------------|--------|--------|-----------------------------|--------|--------|-----------------------------|--------|--------|
| ABOVE FINISHED FLOOR | | 90 CRI | 95 CRI | 80 CRI | 90 CRI | 95 CRI | 80 CRI | 90 CRI | 95 CRI | 80 CRI |
| | 9' | 4 | 3 | 5 | 3 | 2 | 3 | 2 | 2 | 2 |
| | 8' | 16 | 12 | 17 | 10 | 7 | 10 | 8 | 6 | 8 |
| | 7' | 22 | 17 | 24 | 14 | 11 | 15 | 11 | 8 | 11 |
| | 6' | 21 | 16 | 22 | 13 | 10 | 14 | 10 | 8 | 11 |
| | 5' | 16 | 13 | 18 | 11 | 8 | 12 | 8 | 6 | 9 |
| | 4' | 13 | 10 | 14 | 9 | 7 | 9 | 7 | 5 | 7 |
| | 3' | 10 | 8 | 11 | 7 | 5 | 7 | 5 | 4 | 6 |
| | 2' | 9 | 7 | 9 | 6 | 5 | 6 | 5 | 3 | 5 |
| | 1' | 8 | 6 | 8 | 5 | 4 | 6 | 4 | 3 | 4 |

AERA 2" MULTI-APERTURE

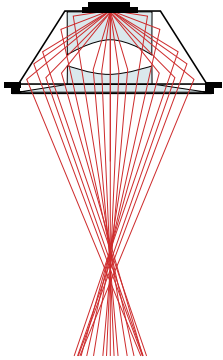
ROUND RECESSED



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.

Full spectrum

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.

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

Emergency battery options: 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

For new construction, 20 gauge powder coated steel. Open frame, type-IC, or Chicago Plenum (CCEA) rated. 18 gauge galvanized steel junction box with ½" trade size knockouts. Adjustable hanger bars and butterfly brackets are included. Adjustable commercial hat channel and flush mounted brackets are also available.

Light element

Adjustability: Hot aiming, 355° rotation and 35° vertical tilt with shift to ensure beam stays centered (Recessed Adjustable only).

LED module: Integral COB module. 90 CRI and 2 SDCM, Standard with options of 80 CRI, or 95 CRI. L80 > 60,000 hours.

XPoint™ Refraction Technology optic: Micro optical paths from the chip on board converge and then disperse in precise beam angles, resulting in a crisp and exacting light quality.

Thermal management: Cold-forged aluminum heat sink to maximize thermal dissipation.

Baffle: Die-cast aluminum mounted with retaining spring clips

Trim style: Trimmed and trimless with mudplate or millwork adapter

WEIGHT

| | Open frame | Type-IC / Chicago Plenum |
|-------|-------------------|--------------------------|
| 1 X 2 | 8.2 lbs - 3.7 kg | 10.2 lbs - 4.6 kg |
| 1 X 3 | 12.4 lbs - 5.6 kg | 14.4 lbs - 6.5 kg |
| 1 X 4 | 16.4 lbs - 7.4 kg | 18.6 lbs - 8.4 kg |
| 2 X 2 | 18.2 lbs - 8.3 kg | 20.2 lbs - 9.2 kg |

AERA 2" MULTI-APERTURE

ROUND RECESSED



LENS AND ACCESSORIES

Recessed / Recessed adjustable



Soft diffused lens, Solite



Frosted diffused lens



Clear lens



Linear spread



Hex louver

Recessed wall wash



Wall wash

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.

IP44: IP44 rated for bathrooms, showers, outdoor canopies, and marquees when specified with the wet location (WET) option.

Chicago Plenum: City of Chicago approved (CCEA) when specified with CP installation type option.

IC rated: Suitable for direct contact with insulation when specified with IC or CP installation type options.

Declare: [LBC Red List Approved](#)

WARRANTY

Lumenwerx provides a five-year limited warranty on 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.