

AERA 3" DOWNLIGHT

SQUARE RECESSED



Bevel Trimless
Drywall Mudplate



Bevel
Flanged Trim



Aera recessed downlights 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



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

Ceiling Types



Drywall



Millwork



Acoustic Tile

Installation Types

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

Plenum Clearance

As low
as 2 5/8"



Certifications



Some restrictions may apply.



Performance

| LUMEN OUTPUT ¹ | WATTS | EFFICACY |
|---------------------------|-------|----------|
| 1132 lm | 10 W | 113 lm/W |
| 1545 lm | 14 W | 110 lm/W |
| 2135 lm | 20 W | 107 lm/W |

¹ Lumen packages are assuming 3500K, 80 CRI, 35° beam, with 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

1%, 0.1% Dimming Available
0-10V, TRIAC, ELV, Lutron EcoSystem, DALI, DMX
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 3" DOWNLIGHT

SQUARE RECESSED



Project: _____
 Type: _____

Order Guide

1 - Housing (Example: AE3SR-TRM-SW-OF-ASB-120V-10W-DI-NA)



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

| LUMINAIRE ID ¹ | TRIM STYLE | LIGHT SOURCE | INSTALLATION TYPE | MOUNTING OPTION ⁴ |
|--|--|--|---|---|
| AE3SR | | | | |
| AE3SR - Aera 3" Square Recessed ¹ Recessed Adjustable and Recessed Wall Wash also available. Consult other spec sheets. | TRM - Flanged trim TLMW - Trimless drywall mudplate TLMW² - Trimless millwork ² For remodel (RM) installation type, TLMW adapter must be installed from above the ceiling or before ceiling is installed. | SW - Static white FS - Full spectrum SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control | OF - Open Frame Type Non-IC IC³ - Type-IC RM - Remodel Type Non-IC CP³ - Chicago Plenum Type-IC (CCEA) AT³ - Airtight Type-IC ³ Not available with 19 W output and higher. | ASB⁵ - Adjustable standard bar hangers FMB⁵ - Flush mount bars ACB⁵ - Adjustable commercial bar hangers AHC⁵ - Adjustable hat channel bars NA - None ⁴ See page 6 for more details. ⁵ Not available with RM installation type. |
| VOLTAGE | WATTAGE ⁷ | DIMMING ⁹ | OPTION ¹⁸ | |
| | | | NA | |
| 120V - 120V 277V - 277V UNV - 120V-277V 347V⁶ - 347V ⁶ Available with RD1 driver only. Please consult factory. | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm 20W⁸ - 20 W output, up to 2135 lm ⁷ Lumen outputs are reduced with full spectrum, consult factory. ⁸ Not available with IC/CP/AT. SOLA⁸ 19W - 19 W output, up to 1205 lm DUO⁸ 19W - 19 W output, up to 1355 lm | INTEGRAL DI - 1% 0-10V ELV¹⁰ - ELV 120V TRI¹⁰ - TRIAC 120V DA^{11,12} - DALI ELDI¹¹ - eldoLED 1% ECOdrive 0-10V ELDO¹¹ - eldoLED 0.1% SOLOdrive 0-10V PEQO^{12,13} - Lutron Hi-lume Premier 0.1% EcoSystem ⁹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁰ Available with 120V only. ¹¹ Not available with RM installation type. ¹² On-site commissioning is required. ¹³ Available with OF installation type only. | REMOTE¹⁴ RD1 - 1% 0-10V RELV¹⁵ - ELV 120V RTRI¹⁵ - TRIAC 120V RLDEI¹⁶ - Lutron Hi-lume 1% Eco RDA¹⁶ - DALI RELDI¹⁶ - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V RPEQO¹⁶ - Lutron Hi-lume Premier 0.1% EcoSystem +EB¹⁷ - Emergency battery ¹⁴ A remote driver box is provided, see page 5 for details. ¹⁵ Available with 120V only. ¹⁶ On-site commissioning is required. ¹⁷ For emergency battery, code will be like the following example: RD1+EB | NA - None ¹⁸ To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4. |

2 - Light & Baffle (Example: AE3SRB-SW-10W-15DEG-2STP-90CRI-27K-LSDL+LS-TRM-CL-FTMW-FTMW-NA)

| LUMINAIRE ID | LIGHT SOURCE Specify same as Housing | WATTAGE ¹⁹ Specify same as Housing | BEAM | COLOR QUALITY | CRI | COLOR TEMP. |
|---|---|--|--|--|--|---|
| AE3SRB | | | | | | |
| AE3SRB - Aera 3" Square Recessed Bevel | SW - Static white FS - Full spectrum SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm 20W²⁰ - 20 W output, up to 2135 lm ¹⁹ Lumen outputs are reduced with full spectrum, consult factory. ²⁰ Not available with IC/CP/AT. | 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood 25DEG - 25° Spot 35DEG - 35° Narrow flood 60DEG - 60° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood | 2STP²¹ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ²¹ Not available with full spectrum. | 90CRI²² - 90 CRI 95CRI - 95 CRI 80CRI²² - 80 CRI ²² Not available with full spectrum. | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K DUO 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K |

| ACCESSORIES [*] See page 7 for details | TRIM STYLE Specify same as Housing | LENS [*] See page 7 for details | BAFFLE FINISH | TRIM FLANGE FINISH Specify NA for Bevel Trimless | OPTION ²⁷ |
|--|---|---|--|---|--|
| At light element^{23,24} (choose up to 2 options for SW/FS and 1 option for SOLA/DUO) LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX²⁵ - Hex louver NA - None ²³ Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. ²⁴ LSDL and LFDL cannot be combined. LS and HEX cannot be combined. ²⁵ Not available with 80°/90° beam options. | TRM - Flanged trim TLMW - Trimless drywall mudplate TLMW²⁶ - Trimless millwork ²⁶ For remodel (RM) installation type, TLMW adapter must be installed from above the ceiling or before ceiling is installed. | At baffle (choose 1 option) SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens | FTMW - Textured matte white FTMB - Textured matte black FSSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable | WET²⁸ - Wet location NA - None ²⁷ To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4. ²⁸ Must be specified with the 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.



AERA 3" DOWNLIGHT

SQUARE RECESSED
ENERGY STAR



Project: _____

Type: _____

Order Guide



1 - Housing (Example: AE3SR-TRM-SW-OF-ASB-120V-10W-D1-ES)

| LUMINAIRE ID ¹ | TRIM STYLE | LIGHT SOURCE | INSTALLATION TYPE | MOUNTING OPTION ² |
|--|---|--------------------------|---|--|
| AE3SR | | SW | | |
| AE3SR - Aera 3" Square Recessed ¹ Recessed Adjustable and Recessed Wall Wash also available. Consult other spec sheets. | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | SW - Static white | OF - Open Frame Type Non-IC IC - Type-IC RM - Remodel Type Non-IC CP - Chicago Plenum Type-IC (CCEA) AT - Airtight Type-IC | ASB - Adjustable standard bar hangers FMB - Flush mount bars ACB - Adjustable commercial bar hangers AHC - Adjustable hat channel bars NA - None ² See page 6 for more details. |

| VOLTAGE | WATTAGE | DIMMING | OPTION |
|--|--|---|--|
| | | | ES |
| 120V - 120V 277V - 277V UNV - 120V-277V | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm | INTEGRAL D1 - 1% 0-10V ELV³ - ELV 120V TRI³ - TRIAC 120V ³ Available with 120V only. | REMOTE⁴ RD1 - 1% 0-10V RELV⁵ - ELV 120V RTRI⁵ - TRIAC 120V RLDEI⁶ - Lutron Hi-Lume 1% Eco ⁴ A remote driver box is provided, see page 5 for details. ⁵ Available with 120V only. ⁶ On-site commissioning is required. |
| | | | ES - ENERGY STAR |

2 - Light & Baffle (Example: AE3SRB-SW-10W-15DEG-2STP-90CRI-27K-NA-TRM-SDL-FTMW-FTMW-ES)

| LUMINAIRE ID | LIGHT SOURCE Specify same as Housing | WATTAGE Specify same as Housing | BEAM | COLOR QUALITY | CRI | COLOR TEMP. |
|---|---|--|---|--------------------------------------|--|--|
| AE3SRB | SW | | | 2STP | | |
| AE3SRB - Aera 3" Square Recessed Bevel | SW - Static white | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm | 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood | 2STP - 2 Step MacAdam Ellipse | 90CRI - 90 CRI 80CRI - 80 CRI | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K |

| ACCESSORY | TRIM STYLE Specify same as Housing | LENS See page 7 for details | BAFFLE FINISH | TRIM FLANGE FINISH Specify NA for Bevel Trimless | OPTIONS |
|---|---|---|---|---|--|
| NA | | | | | ES |
| At light element NA - Not applicable | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | At baffle SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable | ES - ENERGY STAR WET^{7,8} - Wet location ⁷ Must be specified with the flanged trim (TRM), and either SDL, FDL, or CL lens options. ⁸ To specify the WET option, the code will be ES+WET. |



AERA 3" DOWNLIGHT

SQUARE RECESSED

Title 24 JA8

Order Guide



Project: _____

Type: _____



1 - Housing (Example: AE3SR-TRM-SW-AT-ASB-120V-10W-D1-JA8)

| LUMINAIRE ID ¹ | TRIM STYLE | LIGHT SOURCE | INSTALLATION TYPE | MOUNTING OPTION ² |
|--|---|--|------------------------------|--|
| AE3SR | | | AT | |
| AE3SR - Aera 3" Square Recessed ¹ Recessed Adjustable and Recessed Wall Wash also available. Consult other spec sheets. | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | SW - Static white SOLA - Dim-to-warm single channel control | AT - Airtight Type-IC | ASB - Adjustable standard bar hangers FMB - Flush mount bars ACB - Adjustable commercial bar hangers AHC - Adjustable hat channel bars NA - None ² See page 6 for more details. |

| VOLTAGE | WATTAGE | DIMMING | OPTION |
|--|--|---|--|
| | | | JA8 |
| 120V - 120V 277V - 277V UNV - 120V-277V | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm | INTEGRAL D1 - 1% 0-10V ELV ³ - ELV 120V TRI ³ - TRIAC 120V ³ Available with 120V only. | REMOTE ⁴ RD1 - 1% 0-10V RELV ⁵ - ELV 120V RTRI ⁵ - TRIAC 120V RLDEI ⁶ - Lutron Hi-Lume 1% Eco ⁴ A remote driver box is provided, see page 5 for details. ⁵ Available with 120V only. ⁶ On-site commissioning is required. |
| | 12W - 12 W output, up to 725 lm | SD1 - Single 0-10V input SELV ³ - ELV 120V STRI ³ - TRIAC 120V | RSD1 - Single 0-10V input RSELV ⁵ - ELV 120V RSTRI ⁵ - TRIAC 120V |

2 - Light & Baffle (Example: AE3SRB-SW-10W-15DEG-2STP-90CRI-27K-NA-TRM-SDL-FTMW-FTMW-JA8+WET)

| LUMINAIRE ID | LIGHT SOURCE Specify same as Housing | WATTAGE Specify same as Housing | BEAM | COLOR QUALITY | CRI | COLOR TEMP. |
|---|--|--|--|--|-----------------------|--|
| AE3SRB | | | | | 90CRI | |
| AE3SRB - Aera 3" Square Recessed Bevel | SW - Static white | 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm | 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood | 2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse | 90CRI - 90 CRI | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K |
| | SOLA - Dim-to-warm single channel control | 12W - 12 W output, up to 725 lm | 50DEG - 50° Wide flood | 3STP - 3 Step MacAdam Ellipse | | SOLA ⁷ - Dim-to-warm single channel control ⁷ 3500K to 2200K |

| ACCESSORY * See page 7 for details | TRIM STYLE Specify same as Housing | LENS * See page 7 for details | BAFFLE FINISH | TRIM FLANGE FINISH Specify NA for Bevel Trimless | OPTIONS |
|--|---|---|---|---|---|
| | | | | | JA8 |
| At light element LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens NA - None | TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork | At baffle SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# | FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable | JA8 - JA8 compliant WET ^{8,9} - Wet location ⁸ Must be specified with the flanged trim (TRM), and either SDL, FDL, or CL lens options. ⁹ To specify the WET option, the code will be JA8+WET. |

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



AERA 3" DOWNLIGHT

SQUARE RECESSED



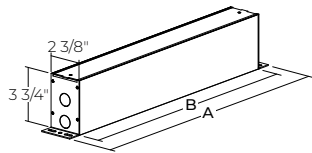
Housing

| INSTALLATION TYPES | | |
|------------------------------------|---------------------|---|
| OF - Open Frame Type Non-IC | IC - Type-IC | CP - Chicago Plenum Type-IC (CCEA) AT - Airtight Type-IC |
| | | |
| RM - Remodel Type Non-IC | | |
| Integral | Remote | |
| | | |

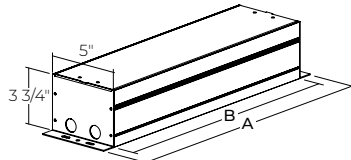
- For height dimension C, see the PLENUM CLEARANCE & CUT-OUT DIMENSIONS table below.
- For OF, IC, CP, and AT installation types with remote dimming, a remote driver box is provided.

REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24

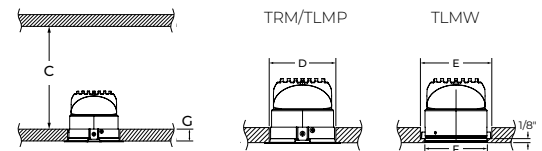


RDB24W



| | 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 RPEQ0 - Lutron Hi-lume Premier 0.1% EcoSystem 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 DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 - Lutron T-Series 1% tunable white | 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 |

PLENUM CLEARANCE & CUT-OUT DIMENSIONS



| PLENUM CLEARANCE HEIGHT | | | |
|---------------------------|------------------|--|--------------------------------|
| REMOTE & INTEGRAL | | | |
| | | | |
| C | OF | 2 5/8" (FMB) 4 1/8" | 6" |
| | IC | 2 5/8" (10 W - FMB) 4" (10 W - ASB, ACB, AHC) 4" (14 W) 6 3/8" (20 W) | 6 3/8" |
| | | CP / AT | 4 7/8" (14 W) 6 7/8" (20 W) |
| | RM | 4 1/8" | NA |
| CUT-OUT DIMENSIONS | | | |
| D | TRM/ TLMP | 3 1/2" x 3 1/2" | |
| E | TLMW | 3 1/2" x 3 1/2" | |
| F | | 3 1/16" x 3 1/16" with 1/8" lip | |
| MAXIMUM CEILING THICKNESS | | | |
| G | TRM/ TLMP | 1 3/8" | |
| | TLMW | 5/8" | |

AERA 3" DOWNLIGHT

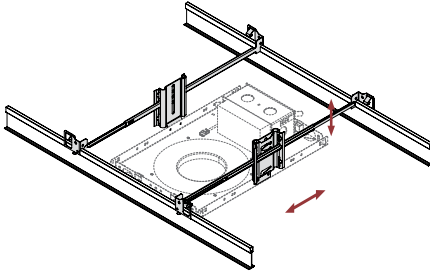
SQUARE RECESSED



Housing

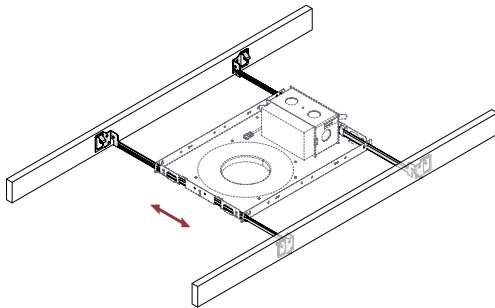
MOUNTING OPTIONS

ASB - Adjustable Standard Bar Hangers



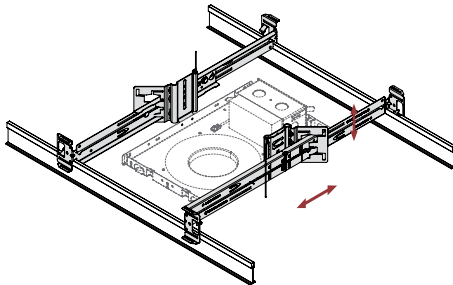
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

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.

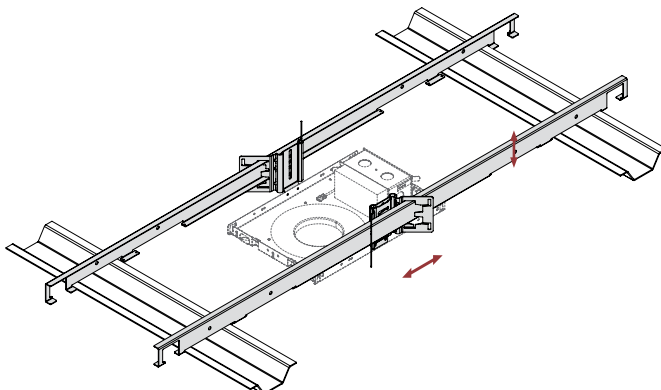
ACB - Adjustable Commercial Bar Hangers



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



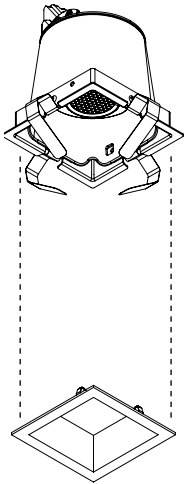
Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable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

AERA 3" DOWNLIGHT

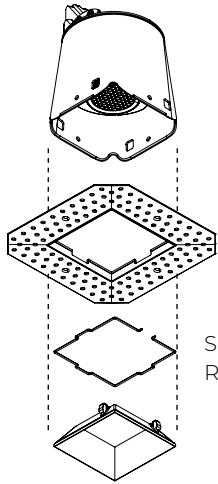
SQUARE RECESSED



Light & Baffle



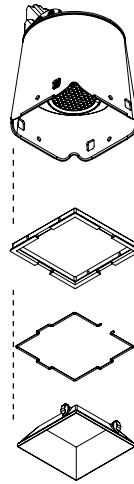
Flanged
Trim



Trimless
Drywall
Mudplate

Mudplate
OD - 5 7/8" x 5 7/8"

Spring
Ring

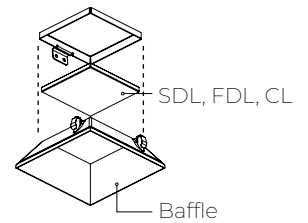
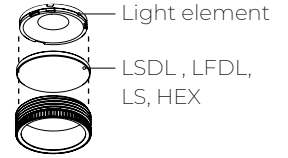


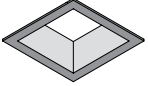
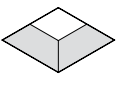
Trimless
Millwork

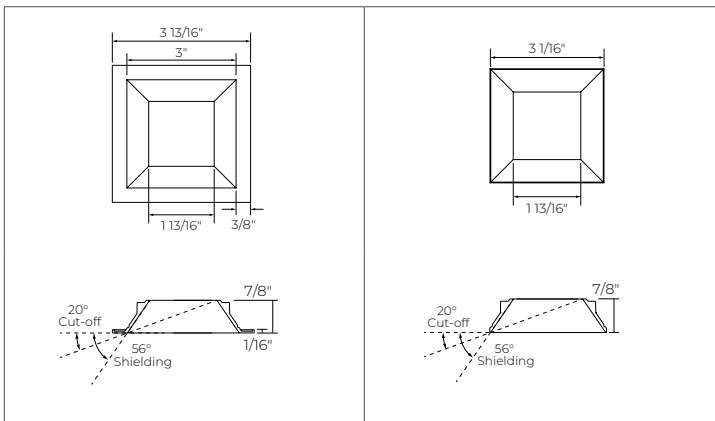
Millwork
Adapter

Spring
Ring

LENS AND ACCESSORIES



| Bevel | |
|--|---|
| TRM Flanged Trim | TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork |
|  |  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 40px; height: 10px; background-color: #cccccc; border: 1px solid black;"></div> Baffle finish </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40px; height: 10px; background-color: #333333; border: 1px solid black;"></div> Trim flange finish </div> | |

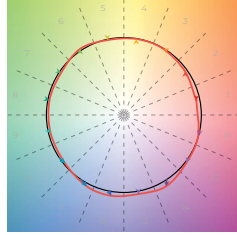


AERA 3" DOWNLIGHT SQUARE RECESSED



Color Quality

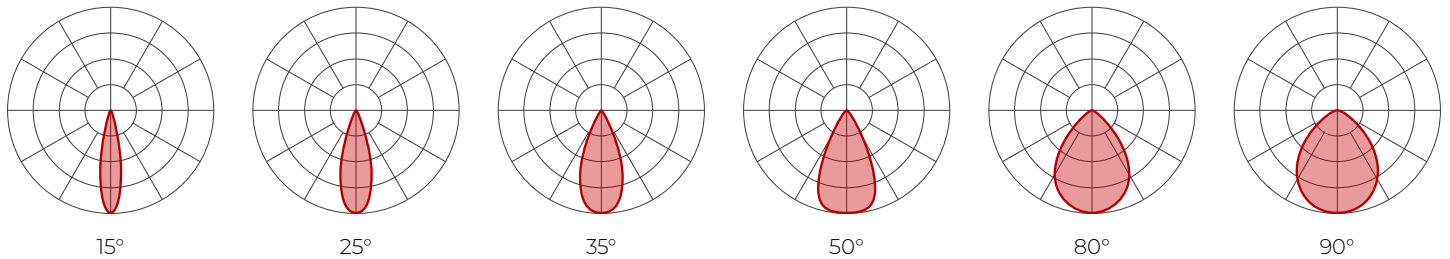
| COLOR QUALITY - 3500K | |
|-----------------------|------|
| TM-30 R _r | 90 |
| TM-30 R _g | 100 |
| CRI | 90 |
| R9 | > 50 |



Photometrics

STATIC WHITE

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



Delivered lumens

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

Efficacy

| CRI | 90 CRI | | | | | | 95 CRI | | | | | | 80 CRI | | | | | |
|------|--------|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|
| | 15° | 25° | 35° | 50° | 80° | 90° | 15° | 25° | 35° | 50° | 80° | 90° | 15° | 25° | 35° | 50° | 80° | 90° |
| 10 W | 99 | 105 | 106 | 94 | 84 | 84 | 76 | 81 | 81 | 72 | 65 | 65 | 106 | 113 | 113 | 100 | 90 | 90 |
| 14 W | 96 | 103 | 103 | 91 | 82 | 82 | 74 | 79 | 79 | 70 | 63 | 63 | 103 | 110 | 110 | 98 | 88 | 88 |
| 20 W | 93 | 99 | 100 | 88 | 80 | 80 | 72 | 76 | 77 | 68 | 61 | 61 | 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) |
|-------|------------------------|----------------------------------|-----------------------------------|
| 2700K | Flanged trim | SDL - Soft diffused lens, Solite | LSDL - Soft diffused lens, Solite |
| 3000K | Trimless | FDL - Frosted lens | LFDL - Frosted lens |
| 3500K | Bevel | CL - Clear lens | LS - Linear spread |
| 4000K | Wet bevel | NOL - No lens | HEX - Hex louver |
| | White | | |
| | Black | | |

* 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

AERA 3" DOWNLIGHT

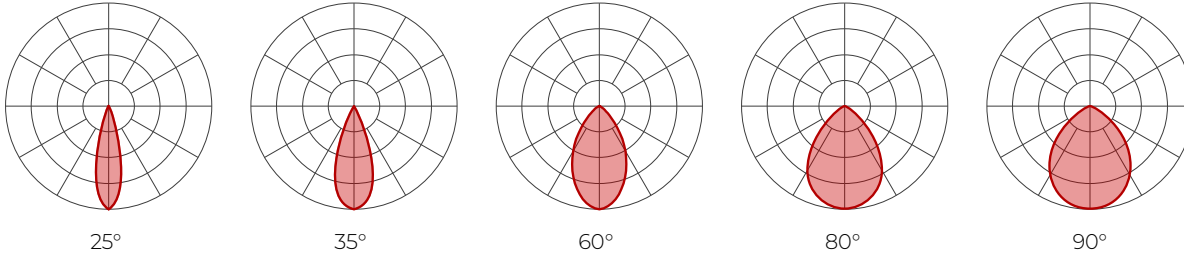
SQUARE RECESSED



Photometrics

SOLA/DUO

Values calculated based on bevel baffle and SDL lens option.



SOLA

| BEAM | | 25° | | 35° | | 60° | | 80° | | 90° | |
|------|-------|------|------|------|------|------|------|-----|------|-----|------|
| | | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W |
| 19 W | 3000K | 1150 | 61 | 1205 | 63 | 1100 | 58 | 945 | 50 | 870 | 46 |
| | 2700K | 1150 | 61 | 1205 | 63 | 1100 | 58 | 945 | 50 | 870 | 46 |

DUO

| BEAM | | 25° | | 35° | | 60° | | 80° | | 90° | |
|------|-------|------|------|------|------|------|------|------|------|-----|------|
| | | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W | lm | lm/W |
| 19 W | 6500K | 1285 | 68 | 1355 | 71 | 1190 | 63 | 1025 | 54 | 940 | 49 |
| | 5000K | 1285 | 68 | 1355 | 71 | 1190 | 63 | 1025 | 54 | 940 | 49 |
| | 2700K | 1050 | 55 | 1090 | 57 | 960 | 51 | 760 | 40 | 760 | 40 |

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 |
| 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 = 1.1 x 1 = 1.1 | | | |
| Black | 1 | | | | |

AERA 3" DOWNLIGHT

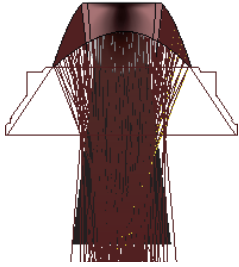
SQUARE RECESSED



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.

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, Lutron Hi-Lume EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V, DMX, Lutron T-series (tunable white)

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

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: Die-cast 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: 4.3 lbs - 1.9 kg

Type-IC: 4.5 lbs - 2.0 kg

Chicago Plenum: 7.5 lbs - 3.4 kg

Remodel: 3.25 lbs - 1.5 kg

AERA 3" DOWNLIGHT

SQUARE RECESSED



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.

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, CP or AT installation type options.

ENERGY STAR: ENERGY STAR certified

Title 24 JAB: California Building Standards Code

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.