

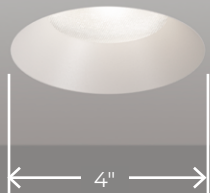
AERA 4" DOWNLIGHT

ROUND RECESSED ADJUSTABLE
NEW CONSTRUCTION & REMODEL



Declare.

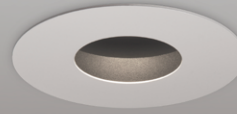
Bevel Trimless
Drywall Mudplate



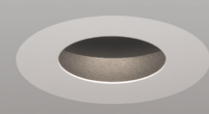
Bevel
Flanged Trim



Pinhole
Flanged Trim



Pinhole Trimless
Drywall Mudplate



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.

Ceiling Types



Drywall



Millwork



Wood Slat
Consult factory



Acoustic Tile

Installation Types

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

Plenum Clearance



Beam Angles



Low UGR < 10 in 10°, 15°, 25°, 35°, and 50° beams
Up to 355° rotation and 35° tilt

Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
1298 lm	14 W	93 lm/W
1861 lm	20 W	93 lm/W
2498 lm	28 W	89 lm/W

¹ Lumen packages are assuming 3500K, 80+ CRI, 35° beam, with SDL lens option.

Light Source

Static White
Full Spectrum Static White
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" / 6"
4" Seal
Pendant
Pendant Asymmetric
Pendant Wall Wash



2" / 3" / 4" / 5" / 6"
4" Seal
Wall
Wall Asymmetric



2" / 3" / 4" / 5" / 6"
4" Seal
Surface
Surface Asymmetric
Surface Wall Wash

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AERA4-DOWNLIGHT-ROUND-RECESSED-ADJUSTABLE-SPEC-REV9 March 30, 2026

AERA 4" DOWNLIGHT

ROUND RECESSED ADJUSTABLE NEW CONSTRUCTION & REMODEL



Project: _____

Type: _____

Order Guide

1 - Housing (Example: AE4RRA-TRM-SW-OF-ASB-120V-14W-D1-NA)



For a Title 24 JA8 compliant fixture, see page 3.

LUMINAIRE ID ¹	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ⁴
AE4RRA				
AE4RRA - Aera 4" Round Recessed Adjustable ¹ Recessed (fixed) and Recessed Wall Wash also available. Consult other spec sheets.	TRM - Flanged trim TLMW - Trimless drywall mudplate TLMW ² - 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 static white SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	OF - Open Frame Type Non-IC IC ³ - Type-IC RM - Remodel Type Non-IC CP ³ - Chicago Plenum Type-IC (CCEA) AT ³ - Airtight Type-IC ³ Only available with 20 W or less.	ASB ⁵ - Adjustable standard bar hangers FMB ⁵ - Flush mount bars ⁴ See page 5 for more details. ⁵ Not available with RM installation type. ACB ⁵ - Adjustable commercial bar hangers AHC ⁵ - Adjustable hat channel bars NA - No bar hangers
VOLTAGE	WATTAGE ⁷	DIMMING ¹⁰	OPTION ²¹	
			NA	
120V - 120V 277V - 277V UNV - 120V-277V 347V ⁶ - 347V ⁶ Only available with RD1 driver. Please consult factory.	14W - 14 W output, up to 1348 lm 20W - 20 W output, up to 1932 lm 28W ^{8,9} - 28 W output, up to 2594 lm ⁷ Lumen outputs are reduced with full spectrum, consult factory. ⁸ Not available with IC/CP/AT. ⁹ Not available with full spectrum. SOLA ⁸ 14W - 14 W output, up to 843 lm 18W - 18 W output, up to 1085 lm 28W - 28 W output, up to 1945 lm DUO ⁸ 14W - 14 W output, up to 905 lm 19W - 19 W output, up to 1228 lm 28W - 28 W output, up to 2055 lm	INTEGRAL D1 - 1% 0-10V ELV ¹¹ - ELV 120V TRI ¹¹ - TRIAC 120V LD1 ^{12,13} - Lutron Hi-lume 1% Eco DA ^{12,13} - DALI ELD1 ¹² - eldoLED 1% ECOdrive 0-10V ELDO ¹² - eldoLED 0.1% SOLOdrive 0-10V PEQO ^{13,14,15} - Lutron Hi-lume Premier 0.1% EcoSystem DEB ¹⁵ - 0-10V with onboard emergency battery backup ¹⁰ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹¹ Only available with 120V. ¹² Not available with RM installation type. ¹³ On-site commissioning is required. ¹⁴ Not available with 28 W output. ¹⁵ Only available with OF housing. SOLA SD1 - Single 0-10V input SELV ¹¹ - ELV 120V STRI ¹¹ - TRIAC 120V DUO ¹² DMX ¹³ - DMX DDA ¹³ - DALI DT6 DDA8 ¹³ - DALI DT8 DD1 - Dual 0-10V input for CCT/intensity LD2 ¹³ - Lutron DALI-2 digital	REMOTE ¹⁶ RD1 - 1% 0-10V RELV ¹⁷ - ELV 120V RTRI ¹⁷ - TRIAC 120V RLDE1 ¹⁸ - Lutron Hi-lume 1% Eco RDA ¹⁸ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V RPEQO ^{18,19} - Lutron Hi-lume Premier 0.1% EcoSystem +EB ²⁰ - Emergency battery ¹⁶ A remote driver box is provided. ¹⁷ Only available with 120V. ¹⁸ On-site commissioning is required. ¹⁹ Not available with 28 W output. ²⁰ To specify, add +EB to the selected dimming option, e.g. RD1+EB. SOLA RS1 - Single 0-10V input RSELV ¹⁷ - ELV 120V RSTRI ¹⁷ - TRIAC 120V DUO RDMX ¹⁸ - DMX RDDA ¹⁸ - DALI DT6 RDDA8 ¹⁸ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RDL2 ¹⁸ - Lutron DALI-2 digital +EB ²⁰ - Emergency battery	NA - None ²¹ To specify a JA8 compliant fixture, see page 3.

2 - Light & Baffle (Example: AE4RRAB-SW-14W-15DEG-2STP-90CRI-27K-LSDL+LS-TRM-CL-FTMW-FTMW-NA)

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE ²² Specify same as Housing	BEAM	COLOR QUALITY	CRI	COLOR TEMP.
AE4RRAB - Aera 4" Round Recessed Adjustable Bevel AE4RRAP - Aera 4" Round Recessed Adjustable Pinhole	SW - Static white FS - Full spectrum static white SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	14W - 14 W output, up to 1348 lm 20W - 20 W output, up to 1932 lm 28W ^{23,24} - 28 W output, up to 2594 lm ²² Lumen outputs are reduced with full spectrum, consult factory. ²³ Not available with IC/CP/AT. ²⁴ Not available with full spectrum. SOLA ²³ 14W - 14 W output, up to 843 lm 18W - 18 W output, up to 1085 lm 28W - 28 W output, up to 1945 lm DUO ²³ 14W - 14 W output, up to 905 lm 19W - 19 W output, up to 1228 lm 28W - 28 W output, up to 2055 lm	10DEG - 10° Very narrow spot 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	2STP ²⁵ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ²⁵ Not available with full spectrum. 3STP - 3 Step MacAdam Ellipse	80CRI ²⁶ - 80+ CRI 90CRI ²⁶ - 90+ CRI 95CRI - 95+ CRI ²⁶ Not available with full spectrum. 90CRI - 90+ CRI	22K ²⁷ - 2200K 24K ²⁷ - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ²⁷ - 5000K ²⁷ Not available with 95+ CRI. SOLA 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K DUO 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K
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 ³² Specify NA for Bevel Trimless	OPTION ³³	
At light element ^{28,29} (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 HEX ³⁰ - Hex louver NA - None ²⁸ Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. ²⁹ LSDL and LFDL cannot be combined. LS and HEX cannot be combined. ³⁰ Not available with 80°/90° beam options.	TRM - Flanged trim TLMW - Trimless drywall mudplate TLMW ³¹ - Trimless millwork ³¹ For remodel (RM) installation type, TLMW adapter must be installed from above the ceiling or before ceiling is installed.	At baffle (choose 1 option) Specify NOL for Pinhole SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# NA - Not applicable	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# NA - Not applicable ³² A trim flange finish option must be specified for pinhole. See page 6 for details.	WET ³⁴ - Wet location NA - None ³³ To specify a JA8 compliant fixture, see page 3. ³⁴ Must be specified with the bevel (AE4RRAB), 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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AERA4-DOWNLIGHT-ROUND-RECESSED-ADJUSTABLE-SPEC-REV9 March 30, 2026

AERA 4" DOWNLIGHT

ROUND RECESSED ADJUSTABLE NEW CONSTRUCTION & REMODEL Title 24 JA8 Order Guide



Project: _____

Type: _____



1 - Housing (Example: AE4RRA-TRM-SW-AT-ASB-120V-14W-D1-JA8)

LUMINAIRE ID ¹	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ²
AE4RRA		SW	AT	
AE4RRA - Aera 4" Round Recessed Adjustable ¹ Recessed (fixed) and Recessed Wall Wash also available. Consult other spec sheets.	TRM - Flanged trim TLMP - Trimless drywall mudplate TLMW - Trimless millwork	SW - Static white	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 5 for more details.

VOLTAGE	WATTAGE	DIMMING		OPTION
	14W			JA8
120V - 120V 277V - 277V UNV - 120V-277V	14W - 14 W output, up to 1348 lm	INTEGRAL D1 - 1% 0-10V ELV ³ - ELV 120V TRI ³ - TRIAC 120V LDE1 ⁴ - Lutron Hi-lume 1% Eco ³ Only available with 120V. ⁴ On-site commissioning is required.	REMOTE ⁵ RD1 - 1% 0-10V RELV ⁶ - ELV 120V RTRI ⁶ - TRIAC 120V RLDE1 ⁷ - Lutron Hi-lume 1% Eco ⁵ A remote driver box is provided. ⁶ Only available with 120V. ⁷ On-site commissioning is required.	JA8 - JA8 compliant

2 - Light & Baffle (Example: AE4RRAB-SW-14W-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.
	SW	14W			90CRI	
AE4RRAB - Aera 4" Round Recessed Adjustable Bevel AE4RRAP - Aera 4" Round Recessed Adjustable Pinhole	SW - Static white	14W - 14 W output, up to 1348 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

ACCESSORY * 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 ⁸ 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 Specify NOL for Pinhole SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# NA - Not applicable	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# NA - Not applicable ⁸ A trim flange finish option must be specified for pinhole. See page 6 for details.	JA8 - JA8 compliant WET ^{9,10} - Wet location ⁹ Must be specified with the bevel (AE4RRAB), flanged trim (TRM), and either SDL, FDL, or CL lens options. ¹⁰ 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.

AERA 4" DOWNLIGHT

ROUND RECESSED ADJUSTABLE
NEW CONSTRUCTION & REMODEL

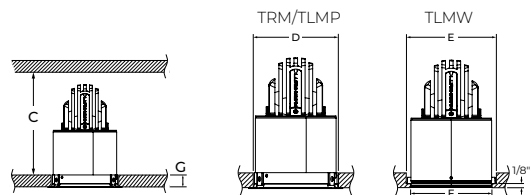


Housing

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.
- Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum, unless luminaires are IC rated.

PLENUM CLEARANCE & CUT-OUT DIMENSIONS



		PLENUM CLEARANCE HEIGHT	
		REMOTE & INTEGRAL	
		D1/ELV/TRI	LDE1/DA/ELD1/ELD0/PEQ0
C	OF	6 3/8"	6"
	IC	6 3/8"	
	CP/AT	6 7/8"	
	RM	6 3/8"	NA
		CUT-OUT DIMENSIONS	
D	TRM/TLMP	Ø 4 1/2"	
E	TLMW	Ø 4 1/2"	
F		Ø 4 1/16" with 1/8" lip	
		MAXIMUM CEILING THICKNESS	
G	TRM/TLMP	1 1/2"	
	TLMW	5/8"	

AERA 4" DOWNLIGHT

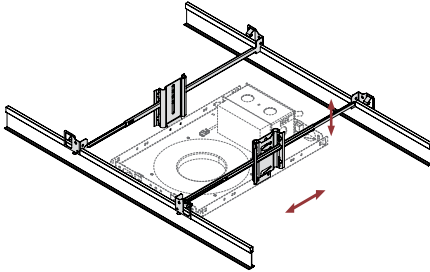
ROUND RECESSED ADJUSTABLE
NEW CONSTRUCTION & REMODEL



Housing

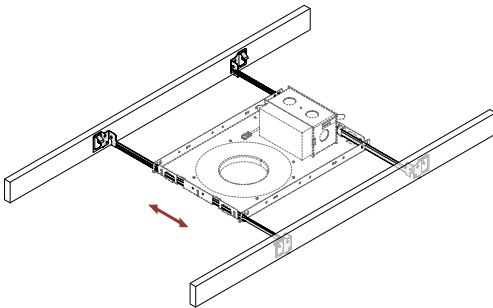
MOUNTING OPTIONS

ASB - Adjustable Standard Bar Hangers



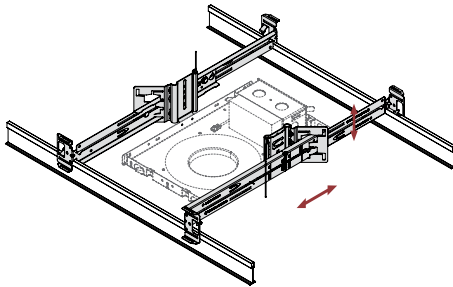
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

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.

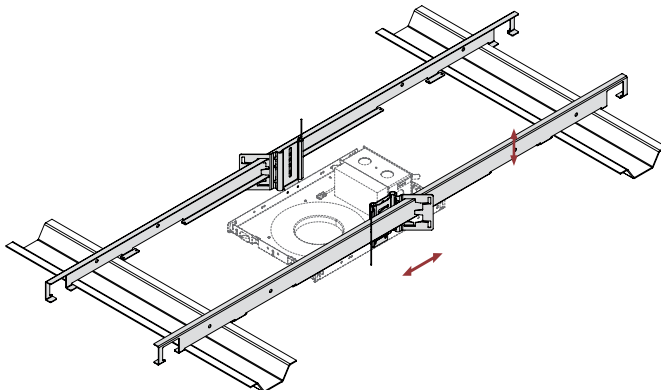
ACB - Adjustable Commercial Bar Hangers



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



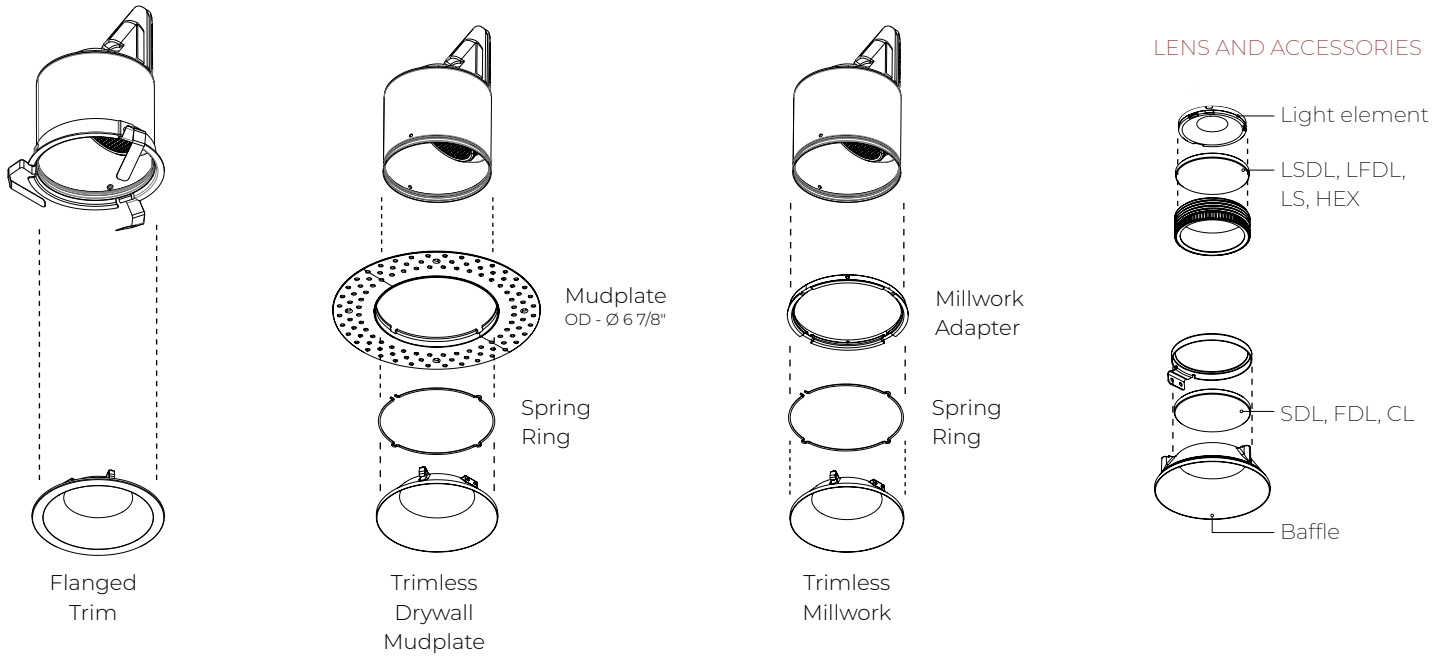
Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable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

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Light & Baffle



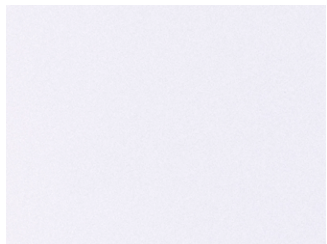
Bevel		Pinhole	
TRM Flanged Trim	TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork	TRM Flanged Trim	TLMP/TLMW Trimless Drywall Mudplate /Trimless Millwork
Baffle finish Trim flange finish		Trim flange finish Textured matte black	
Ø 4 13/16" Ø 2 1/2" 3/8" 15° Cut-off 49° Shielding 7/8" 1/16"	Ø 4 1/16" Ø 2 1/2" 7/8" 15° Cut-off 49° Shielding	Ø 4 13/16" Ø 2" 7/8" 1/16" Optic 35° Cut-off	Ø 4 1/16" Ø 2" 7/8" Optic 35° Cut-off

AERA 4" DOWNLIGHT

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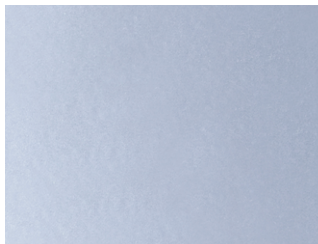
Finishes



FTMW - Matte white



FTMB - Matte black



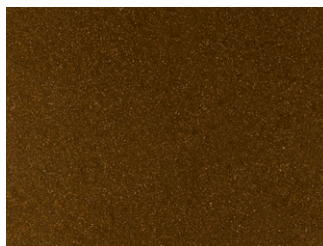
FSPC - Satin silver



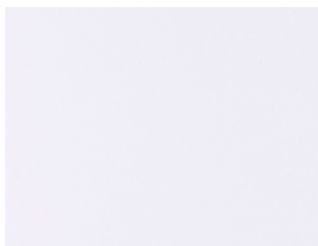
FSSPC - Matte silver



FCHP - Champagne



FDBZ - Dark bronze



FPP - Primer finish

AERA 4" DOWNLIGHT

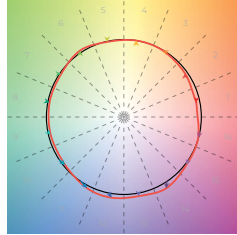
ROUND RECESSED ADJUSTABLE
NEW CONSTRUCTION & REMODEL



Color Quality

COLOR QUALITY - 3500K

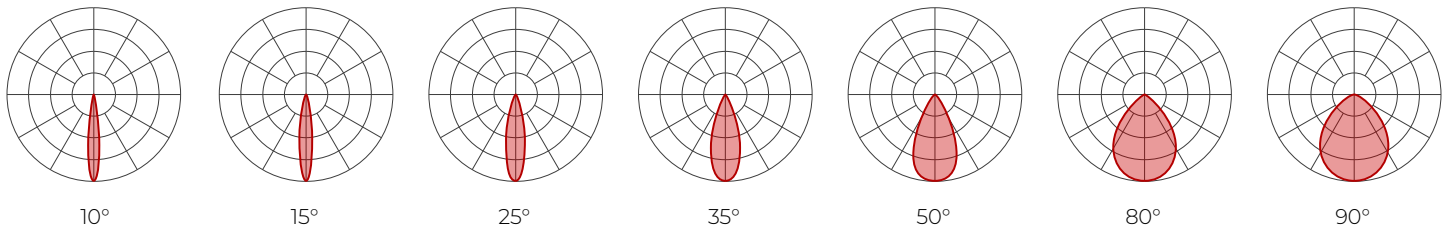
TM-30 R _t	90
TM-30 R _g	100
CRI	90+
R9	> 50



Photometrics

STATIC WHITE

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



Delivered lumens (LM)

CRI	80+ CRI							90+ CRI							95+ CRI						
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
14 W	1181	1312	1348	1298	1272	1145	1145	1103	1226	1260	1213	1189	1070	1070	850	944	970	934	916	824	824
20 W	1693	1881	1932	1861	1823	1641	1641	1582	1758	1806	1739	1704	1534	1534	1219	1354	1391	1339	1312	1181	1181
28 W	2272	2524	2594	2498	2447	2202	2202	2123	2359	2424	2334	2287	2058	2058	1634	1816	1867	1797	1761	1585	1585

Efficacy (LM/W)

CRI	80+ CRI							90+ CRI							95+ CRI						
BEAM	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°	10°	15°	25°	35°	50°	80°	90°
14 W	84	94	96	93	91	82	82	79	88	90	87	85	76	76	61	67	69	67	65	59	59
20 W	85	94	97	93	91	82	82	79	88	90	87	85	77	77	61	68	70	67	66	59	59
28 W	81	90	93	89	87	79	79	76	84	87	83	82	74	74	58	65	67	64	63	57	57

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)	
2200K	0.80	Flanged trim	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
2400K	0.87	Trimless	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
2700K	0.94	Bevel	1	CL - Clear lens	1.1	LS - Linear spread	0.84
3000K	0.98	Wet bevel	1	NOL - No lens	1.1	HEX - Hex louver	0.86
3500K	1	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			
4000K	1.05	White	1				
5000K	1.05	Black	1				

For SOLA and DUO, please consult factory.

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AERA 4" DOWNLIGHT

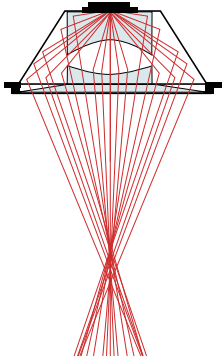
ROUND RECESSED ADJUSTABLE
NEW CONSTRUCTION & REMODEL



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 2200K, 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 that is beneficial in both healthcare and circadian lighting strategies. 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%.

ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

Integral: 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

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 options - Integral: Factory installed, long-life, high-temperature, LED driver with integrated emergency backup using a recyclable LiFePO₄ battery pack. Features a remote test switch with charge indicator, minimum of 90 minutes operation and 10 W per downlight emergency lighting output. Recharge time of 12 hours.

Emergency battery options - Remote: 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.

AERA 4" DOWNLIGHT

ROUND RECESSED ADJUSTABLE NEW CONSTRUCTION & REMODEL



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 standard, flush mount, adjustable commercial, and adjustable hat channel bar hangers are available as mounting options.

Light element

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

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

Finish: Matte white, matte black, satin silver, matte silver, champagne, dark bronze, and primer finish. Custom colors also available (provide RAL #). For the primer finish option, fixture must be turned off and the lens masked before applying paint.

WEIGHT

Open frame: 4.5 lbs - 2 kg

Type-IC/Chicago Plenum: 8 lbs - 3.6 kg

Remodel: 3.5 lbs - 1.6 kg

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.

Title 24 JA8: California Building Standards Code

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.