AERA 4" DOWNLIGHT SQUARE RECESSED



















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 industryleading wall wash are required.

Ceiling Types







Millwork Acoustic Tile

Installation Types

(Type Non-IC)

Plenum Clearance

As low

Beam Angles



Performance

LUMEN OUTPUT 1	WATTS	EFFICACY
1481 lm	14 W	106 lm/W
2066 lm	20 W	103 lm/W
2775 lm	28 W	99 lm/W
Lumen packages are assi	umina 3500K. 80 CRI	. 35° beam, with SDL lens

Light Source

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



СОВ

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



Recessed Adjustable Recessed









Recessed Adjustable





Recessed Wall Wash

Cylinder





Pendant Wall Wash



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



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









AERA 4" DOWNLIGHT

SQUARE RECESSED



Project:

Order Guide

1 - Housing (Example: AE4SR-TRM-SW-OF-ASB-120V-14W-D1-NA)





For an ENERGY STAR $^{\odot}$ certified fixture, see page 3. For a Title 24 JA8 compliant fixture, see page 4.

LUMINAIRE	ID ¹	TRIM ST	STYLE LIGHT SOURCE INSTALLATION TYPE MOUNTING OPTION ⁴		LIGHT SOURCE	INSTALLATION TYPE			
AE4SR									
AE4SR - Aera Recessed 1 Recessed Adju Recessed Wall available. Cons sheets.	stable and Wash also	TLMP - T TLMW ² ² For remo TLMW ad	anged trim Trimless drywall m - Trimless millwor del (RM) installation t lapter must be install e ceiling or before cei	type, led from	SW - Static white FS - Full spectrum SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	OF - Open Frame Type IC 3 - Type-IC RM - Remodel Type No CP 3 - Chicago Plenum (CCEA) AT 3 - Airtight Type-IC 3Not available with 28 W ou	n-IC Type-IC	ASB ⁵ - Adjustable standard bar hange FMB ⁵ - Flush mount bars ACB ⁵ - Adjustable commercial bar ha AHC ⁵ - Adjustable hat channel bars NA - None ⁴ See page 6 for more details. 7. ⁵ Not available with RM installation type.	
VOLTAGE	WATTAGE 7		DIMMING ¹⁰						OPTION ²¹
									NA
120V - 120V 277V - 277V UNV - 120V-277V 347V ⁶ - 347V ⁶ Available with RDI driver only. Please consult factory.	V up to 1538 lm 20W - 20 W output, up to 2146 lm 28W ^{8,9} - 28 W output, up to 2882 lm th v v v v v v v v v v v v v		D-10V ier 0.1% EcoSystem e 5 for details.	NA - None 21 To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4.					
	up to 1945 lm <u>DUO</u> ⁸ 28W - 28 W c up to 2055 lm	output,	SOLA SD1 - Single 0-10V input SELV" - ELV 120V STRI" - TRIAC 120V	DDA8 ¹³ DD1 - Dt	DMX DALI DT6 - DALI DT8 ual 0-10V input for CCT/intensity uutron DALI-2 digital	SOLA RSD1 - Single 0-10V input RSELV " - ELV 120V RSTR1 " - TRIAC 120V	RDDA ¹⁸ - DA RDDA8 ¹⁸ - D RDD1 - Dual	ALI DT6	

2 - Light & Baffle (Example: AE4SRB-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		COLC	R QUALITY	CRI	COLOR TEMP.
AE4SRB					·				
AE4SRB - Aera 4" Square Recessed Bevel	quare FS - Full spectrum 20W - 20 W output, up to 2146 lm		25DEG - 2 35DEG - 3 50DEG - 5 80DEG - 8	5° Narrow spot 5° Spot 5° Narrow flood 30° Wide flood 80° Very wide flood 90° Open flood	MacAd 3STP - MacAd	to a section.	90CRI ²⁶ - 90 CRI 95CRI - 95 CRI 80CRI ²⁶ - 80 CRI ²⁶ Not available with full spectrum.	30K - 3000K	
							3STP - 3 Step MacAdam Ellipse		<u>DUO</u> 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K
ACCESSORIES See page 7 for deta		TRIM STYLE Specify same as Housing	LENS * See page 7 for d	etails	BAFFLE FINISH			IGE FINISH r Bevel Trimless	OPTION 31
At light element (choose up to 2 option for SOLA/DUO)	27, 28 ons for SW/FS and 1 option	TRM - Flanged trim TLMP - Trimless drywall mudplate	At baffle (choose 1 option)		FTMW - Textured white			tured matte white ured matte black	WET ³² - Wet location NA - None
LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX ²⁹ - Hex louver NA - None "Separate codes with a "+" if more than one is specified, eg. LSDL+LS. ²⁸ LSDL and LFDL cannot be combined. LS and HEX cannot be combined. "Not available with 80°90° beam options.		TLMW 30 - Trimless millwork 30 For remodel (RM) installation type, TLMW adapter must be installed from above the ceiling or before ceiling is installed.	SDL - Soft diff Solite FDL - Frosted lens CL - Clear lens NOL - No lens	diffused	black FSPC - Specular FSSPC - Semi-spe FCHP - Champag CF# - Custom fini specify RAL#	ecular ine	FSSPC - Ser FCHP - Cha	mi-specular mpagne m finish, specify	³¹ To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4. ³² 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 4" DOWNLIGHT

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Type:	

Order Guide

1 - Housing (Example: AE4SR-TRM-SW-OF-ASB-120V-14W-D1-ES)

			- /	
LUMINAIRE ID 1	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ²
AE4SR		sw		
AE4SR - Aera 4" Square Recessed 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

VOLTAGE	WATTAGE	DIMMING		OPTION
	14W			ES
120V - 120V	14W - 14 W output, up to 1538 lm	INTEGRAL	REMOTE 4	ES - ENERGY STAR
277V - 277V UNV - 120V-277V		D1 - 1% 0-10V ELV ³ - ELV 120V TRI ³ - TRIAC 120V ³ Available with 120V only.	RD1 - 1% 0-10V RELV 5 - ELV 120V RTRI 5 - TRIAC 120V RLDE1 6 - Lutron Hi-lume 1% Eco A remote driver box is provided, see page 5 for details. Savailable with 120V only. On-site commissioning is required.	

2 - Light & Baffle (Example: AE4SRB-SW-14W-15DEG-2STP-90CRI-27K-NA-TRM-SDL-FTMW-FTMW-ES)

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE Specify same as Housing	ВЕАМ	COLOR QUALITY	CRI	COLOR TEMP.
AE4SRB	sw	14W		2STP		
AE4SRB - Aera 4" Square Recessed Bevel	SW - Static white	14W - 14 W output, up to 1538 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	TRM - Flanged trim	At baffle	FTMW - Textured matte white	FTMW - Textured matte white	ES - ENERGY STAR
NA - Not applicable	TLMP - Trimless drywall mudplate TLMW - Trimless millwork	SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL#	FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable	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 4" DOWNLIGHT

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Title 24 JA8

Project:	 	
Туре:		

Order Guide

1 - Housing (Example: AE4SR-TRM-SW-AT-ASB-120V-14W-D1-JA8)



LUMINAIRE ID 1	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ²
AE4SR		sw	AT	
AE4SR - Aera 4" 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	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	
	14W			JA8
120V - 120V	14W - 14 W output, up to 1538 lm	INTEGRAL	REMOTE 5	JA8 - JA8 compliant
277V - 277V UNV - 120V-277V		D1 - 1% 0-10V ELV 3 - ELV 120V TRI 3 - TRIAC 120V LDE1 4 - Lutron Hi-lume 1% Eco 3 Available with 120V only. 4 On-site commissioning is required.	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, see page 5 for details. 6 Available with 120V only.	

$2-Light \& \ Baffle \ {\tiny \texttt{(Example: AE4SRB-SW-14W-15DEG-2STP-90CRI-27K-NA-TRM-SDL-FTMW-FTMW-JA8+WET)}}$

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE Specify same as Housing	ВЕАМ	COLOR QUALITY	CRI	COLOR TEMP.
AE4SRB	sw	14W			90CRI	
AE4SRB - Aera 4" Square Recessed Bevel	SW - Static white	14W - 14 W output, up to 1538 Im	15DEC - 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 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	TRM - Flanged trim	At baffle	FTMW - Textured matte white	FTMW - Textured matte white	JA8 - JA8 compliant
LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens NA - None	TLMP - Trimless drywall mudplate TLMW - Trimless millwork	SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL#	FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable	WET 8.9 - Wet location Bust be specified with the flanged trim (TRM), and either SDL, FDL, or CL lens options. To specify the WET option, the code will be JA8+WET.

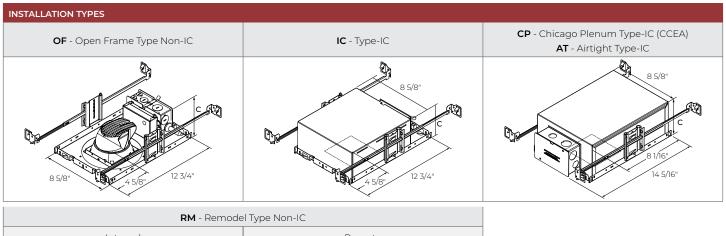
 $^{^{\}ast}$ LSDL or LFDL at light element cannot be combined with SDL or FDL at baffle.

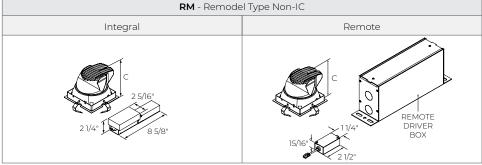


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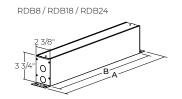
Housing

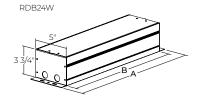




- For height dimension C, see the PLENUM CLEARANCE & CUT-OUT DIMENSIONS table below.
- For OF, IC, CP, and AT installation types with remote dimming, a remote driver box is provided.

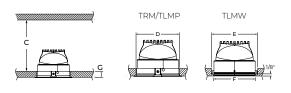
REMOTE DRIVER BOX





	RDB8	RDB18	RDB24	RDB24W
Α	10"	20"	26"	26"
В	8"	18"	24"	24"
DRIVER	RDI - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V RPEQO - Lutron Hi-lume Premier 0.1% EcoSystem	RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED	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
	SOLA RSDI - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V	0.1% SOLOdrive 0-10V	DUO RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 - Lutron DALI-2 digital	RELDI+EB - eldoLED 1% ECOdrive 0-10V RELD0+EB - 10doLED 0.1% SOLOdrive 0-10V

PLENUM CLEARANCE & CUT-OUT DIMENSIONS



PLENUM CLEARANCE HEIGHT

				REMOTE & INTEGRAL				
		D1/EI	V/TRI	LDE1/DA/ELD1/ELD0/PEQ0				
	OF	4	1/8"	6"				
С	IC	,	4 W) (20 W)	6 3/8"				
C	CP/AT		(14 W) (20 W)	6 7/8"				
	RM	4	1/8"	NA				
			CU	IT-OUT DIMENSIONS				
D	TRM/1	LMP		4 1/2" x 4 1/2"				
E				4 1/2" x 4 1/2"				
F	TLM	ıw	4 1/16" x 4 1/16" with 1/8" lip					
		MAXIMUM CEILING THICKNESS						
	TRM/	ГLМР		13/8"				
G	TLM	ıw		5/8"				

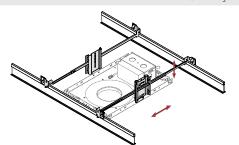
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Housing

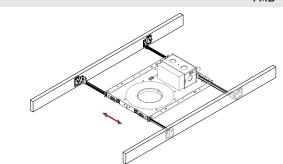
MOUNTING OPTIONS

ASB - Adjustable Standard Bar Hangers



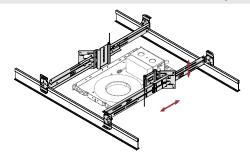
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

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.

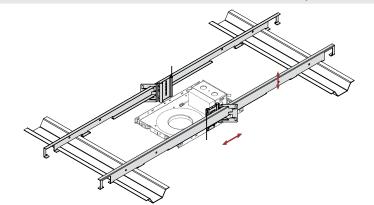
ACB - Adjustable Commercial Bar Hangers



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.

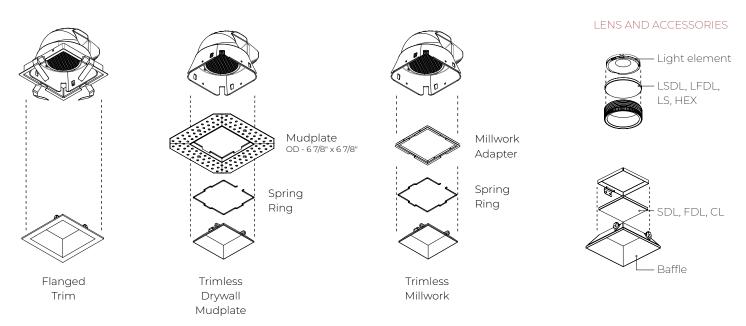


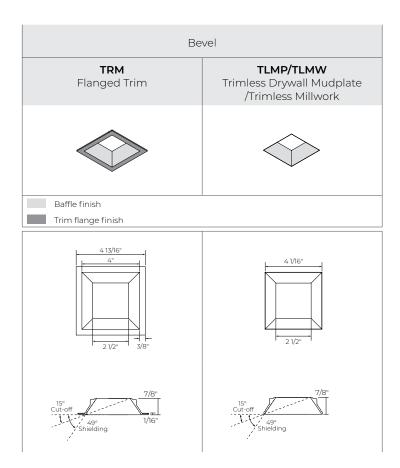


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Light & Baffle







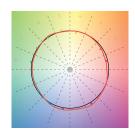


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Color Quality

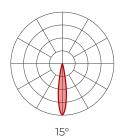
COLOR QUALITY - 3500K TM-30 R_f 90 TM-30 R_g 100 CRI 90 R9 > 50

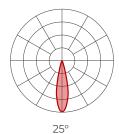


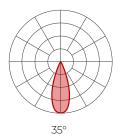
Photometrics

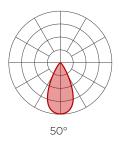
STATIC WHITE

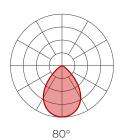
Values calculated based on 3500K, bevel baffle, and SDL lens option.

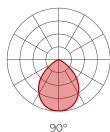












Delivered lumens

CRI	90 CRI					95 CRI					80 CRI							
BEAM	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°	15°	25°	35°	50°	80°	90°
14 W	1399	1437	1384	1356	1220	1220	1077	1106	1066	1044	940	940	1497	1538	1481	1451	1306	1306
20 W	1952	2006	1931	1893	1704	1704	1503	1545	1487	1458	1312	1312	2089	2146	2066	2026	1823	1823
28 W	2621	2693	2593	2541	2287	2287	2018	2074	1997	1957	1761	1761	2804	2882	2775	2719	2447	2447

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°
14 W	100	103	99	97	87	87	77	79	76	75	67	67	107	110	106	104	93	93
20 W	98	100	97	95	85	85	75	77	74	73	66	66	104	107	103	101	91	91
28 W	94	96	93	91	82	82	72	74	71	70	63	63	100	103	99	97	87	87

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.

сст	
2700K	0.9
3000K	0.95
3500K	1
4000K	1.05

BAFFLE STYLE AND COLOR						
Flanged trim	1					
Trimless	1					
Bevel	1					
Wet bevel	1					
White	1					
Black	1					
***************************************	1					

LENS* (At baffle)									
SDL - Soft diffused lens, Solite	1								
FDL - Frosted lens	0.8								
CL - Clear lens	1.1								
NOL - No lens	1.1								
* When more than one lone or accessory is specific									

	ACCESSORIES * (At light element)							
1	LSDL - Soft diffused lens, Solite	1						
0.8	LFDL - Frosted lens	0.8						
1.1	LS - Linear spread	0.84						
1.1	HEX - Hex louver	0.86						
is specifie	d,							

^{*} 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



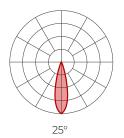
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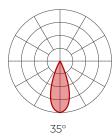


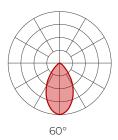
Photometrics

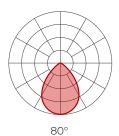
SOLA/DUO

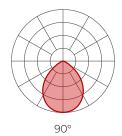
Values calculated based on bevel baffle and SDL lens option.











SOLA

BEAM		25°		35°		60°		80°		90°	
		lm	lm/W								
28 W	3000K	1920	69	1945	69	1850	66	1590	57	1460	52
ZO VV	2700K	1920	69	1945	69	1850	66	1590	57	1460	52

DUO

BEAM		25°		35°		60°		80°		90°	
		lm	lm/W								
	6500K	2005	72	2055	73	1980	71	1700	61	1565	56
28 W	5000K	2005	72	2055	73	1980	71	1700	61	1565	56
	2700K	1780	64	1820	65	1740	62	1495	53	1375	49

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							
Flanged trim	1						
Trimless	1						
Bevel	1						
Wet bevel	1						
White	1						
Black	1						

LENS* (At baffle)						
SDL - Soft diffused lens, Solite	1					
FDL - Frosted lens	0.8					
CL - Clear lens	1.1					
NOL - No lens	1.1					

ACCESSORIES * (At light element)						
LSDL - Soft diffused lens, Solite	1					
LFDL - Frosted lens	0.8					
LS - Linear spread	0.84					
HEX - Hex louver	0.86					

^{*} 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

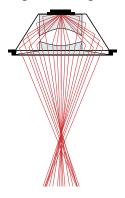
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Technical Specifications

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 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

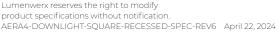
Emergency battery options - Integral: Factory installed, long-life, high-temperature, LED driver with integrated emergency backup using a recyclable LiFePO4 battery pack. Features a remote test switch with charge indicator, minimum of 90 minutes operation and 10 W per downlight emergency lighting output.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

Emergency battery options - Remote: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-lon 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 SOUARE RECESSED



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: 4.5 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

marguees 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 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.

