AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH

Lumenwerx

5 YEAR WARRANTY

COMPLIANT WITH JA8 TITLE 24 · ENERGY STAR · Declare.

Wall Wash Trimless
Drywall Mudplate
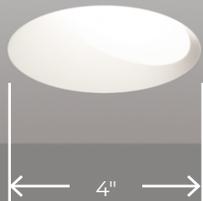
Wall Wash
Flanged Trim

4"

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   Acoustic Tile

Installation Types

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

Plenum Clearance

As low as 4"

Beam Angles

Wall Wash   Low UGR < 10

Performance

LUMEN OUTPUT [1]	WATTS	EFFICACY
763 lm	14 W	54 lm/W
1216 lm	20 W	61 lm/W
1632 lm	28 W	58 lm/W

[1] Lumen packages are assuming 3500K, 80 CRI.

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

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PoE

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ROUND RECESSED WALL WASH

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ENERGY STAR

COMPLIANT WITH JA8 TITLE 24

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

Order Guide

1 - Housing (Example: AE4RRWW-TRM-SW-OF-ASB-120V-14W-D1-NA)

LUMINAIRE ID [1]	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION [4]
AE4RRWW				
AE4RRWW - Aera 4" Round Recessed Wall Wash [1] Recessed (fixed) and Recessed Adjustable also available. Consult other spec sheets.	**TRM** - Flanged trim **TLMP** - 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 **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] Not available with 28 W output and higher.	**ASB** [5] - Adjustable standard bar hangers **FMB** [5] - Flush mount bars **ACB** [5] - Adjustable commercial bar hangers **AHC** [5] - 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 [20]
				NA
120V - 120V **277V** - 277V **UNV** - 120V-277V **347V** [6] - 347V [6] Available with RD1 driver only. Please consult factory.	**14W** - 14 W output, up to 763 lm **20W** - 20 W output, up to 1216 lm **28W** [8] - 28 W output, up to 1632 lm [7] Lumen outputs are reduced with full spectrum, consult factory. [8] Not available with IC/CP/AT. **SOLA** [8] **28W** - 28 W output, up to 1615 lm **DUO** [8] **28W** - 28 W output, up to 1650 lm	**INTEGRAL** **D1** - 1% 0-10V **ELV** [10] - ELV 120V **TRI** [10] - TRIAC 120V **LDE1** [11,12] - Lutron Hi-lume 1% Eco **DA** [11,12] - DALI **ELD1** [11] - eldoLED 1% ECOdrive 0-10V **ELD0** [11] - eldoLED 0.1% SOLOdrive 0-10V **PEQ0** [12,13,14] - Lutron Hi-lume Premier 0.1% EcoSystem **DEB** [14] - 0-10V with onboard emergency battery backup [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] Not available with 28 W output. [14] Available with OF housing only.	**REMOTE** [15] **RD1** - 1% 0-10V **RELV** [16] - ELV 120V **RTRI** [16] - TRIAC 120V **RLDE1** [17] - Lutron Hi-lume 1% Eco **RDA** [17] - DALI **RELD1** [17] - eldoLED 1% ECOdrive 0-10V **RELD0** [17] - eldoLED 0.1% SOLOdrive 0-10V **RPEQ0** [17,18] - Lutron Hi-lume Premier 0.1% EcoSystem **+EB** [19] - Emergency battery [15] A remote driver box is provided, see page 5 for details. [16] Available with 120V only. [17] On-site commissioning is required. [18] Not available with 28 W output. [19] For emergency battery, code will be like the following example: RD1+EB	**NA** - None [20] To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4.
		SOLA **SD1** - Single 0-10V input **SELV** [10] - ELV 120V **STRI** [10] - TRIAC 120V **DUO** [11] **DMX** [12] - DMX **DDA** [12] - DALI DT6 **DDA8** [12] - DALI DT8 **DD1** - Dual 0-10V input for CCT/intensity **LD2** [12] - Lutron DALI-2 digital	**SOLA** **RSD1** - Single 0-10V input **RSELV** [16] - ELV 120V **RSTRI** [16] - TRIAC 120V **DUO** **RDMX** [17] - DMX **RDDA** [17] - DALI DT6 **RDDA8** [17] - DALI DT8 **RDD1** - Dual 0-10V input for CCT/intensity **RLD2** [17] - Lutron DALI-2 digital	

2 - Light & Baffle (Example: AE4RRWWB-SW-14W-WW-2STP-90CRI-27K-TRM-WW-FTMW-FTMW-NA)

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE [21] Specify same as Housing	BEAM	COLOR QUALITY	CRI	COLOR TEMP.
AE4RRWWB			**WW**			
AE4RRWWB - Aera 4" Round Recessed Wall Wash	**SW** - Static white **FS** - Full spectrum **SOLA** - Dim-to-warm single channel control **DUO** - Tunable white 2-channel control	**14W** - 14 W output, up to 763 lm **20W** - 20 W output, up to 1216 lm **28W** [22] - 28 W output, up to 1632 lm [21] Lumen outputs are reduced with full spectrum, consult factory. [22] Not available with IC/CP/AT. **SOLA** [22] **28W** - 28 W output, up to 1615 lm **DUO** [22] **28W** - 28 W output, up to 1650 lm	**WW** - Wall wash	**2STP** [23] - 2 Step MacAdam Ellipse **3STP** - 3 Step MacAdam Ellipse [23] Not available with full spectrum. **3STP** - 3 Step MacAdam Ellipse	**90CRI** [24] - 90 CRI **95CRI** - 95 CRI **80CRI** [24] - 80 CRI [24] Not available with full spectrum. **90CRI** - 90 CRI	**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

TRIM STYLE Specify same as Housing	LENS	BAFFLE FINISH	TRIM FLANGE FINISH Specify NA for Trimless	OPTION [26]
	WW			**NA**
TRM - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** [25] - Trimless millwork [25] For remodel (RM) installation type, TLMW adapter must be installed from above the ceiling or before ceiling is installed.	**WW** - Wall wash diffuser	**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	**NA** - None [26] To specify an ENERGY STAR certified fixture, see page 3. To specify a JA8 compliant fixture, see page 4.

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PoE

AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH
ENERGY STAR

Lumenwerx

Project: _____

Type: _____

ENERGY STAR

Order Guide

1 - Housing (Example: AE4RRWW-TRM-SW-OF-ASB-120V-14W-D1-ES)

LUMINAIRE ID [1]	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION [2]
AE4RRWW		**SW**		
AE4RRWW - Aera 4" Round Recessed Wall Wash [1] Recessed (fixed) and Recessed Adjustable 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
	14W			**ES**
120V - 120V **277V** - 277V **UNV** - 120V-277V	**14W** - 14 W output, up to 763 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 **RLDE1** [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.	**ES** - ENERGY STAR

2 - Light & Baffle (Example: AE4RRWWB-SW-14W-WW-2STP-90CRI-27K-TRM-WW-FTMW-FTMW-ES)

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE Specify same as Housing	BEAM	COLOR QUALITY	CRI	COLOR TEMP.
AE4RRWWB	**SW**	**14W**	**WW**	**2STP**		
AE4RRWWB - Aera 4" Round Recessed Wall Wash	**SW** - Static white	**14W** - 14 W output, up to 763 lm	**WW** - Wall wash	**2STP** - 2 Step MacAdam Ellipse	**90CRI** - 90 CRI **80CRI** - 80 CRI	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K

TRIM STYLE Specify same as Housing	LENS	BAFFLE FINISH	TRIM FLANGE FINISH Specify NA for Trimless	OPTION
	WW			**ES**
TRM - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**WW** - Wall wash diffuser	**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

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AERA 4" DOWNLIGHT

ROUND RECESSED WALL WASH
Title 24 JA8

Order Guide

JA8 TITLE 24 — COMPLIANT WITH

1 - Housing (Example: AE4RRWW-TRM-SW-AT-ASB-120V-14W-D1-JA8)

LUMINAIRE ID [1]	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION [2]
AE4RRWW		**SW**	**AT**	
AE4RRWW - Aera 4" Round Recessed Wall Wash [1] Recessed (fixed) and Recessed Adjustable 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 **277V** - 277V **UNV** - 120V-277V	**14W** - 14 W output, up to 763 lm	**INTEGRAL** **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.	**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, see page 5 for details. [6] Available with 120V only. [7] On-site commissioning is required.	**JA8** - JA8 compliant

2 - Light & Baffle (Example: AE4RRWWB-SW-14W-WW-2STP-90CRI-27K-TRM-WW-FTMW-FTMW-JA8)

LUMINAIRE ID	LIGHT SOURCE Specify same as Housing	WATTAGE Specify same as Housing	BEAM	COLOR QUALITY	CRI	COLOR TEMP.
AE4RRWWB	**SW**	**14W**	**WW**		**90CRI**	
AE4RRWWB - Aera 4" Round Recessed Wall Wash	**SW** - Static white	**14W** - 14 W output, up to 763 lm	**WW** - Wall wash	**2STP** - 2 Step MacAdam Ellipse **3STP** - 3 Step MacAdam Ellipse	**90CRI** - 90 CRI	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K

| TRIM STYLE Specify same as Housing	LENS	BAFFLE FINISH	TRIM FLANGE FINISH Specify NA for Trimless	OPTION
	WW			**JA8**
TRM - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**WW** - Wall wash diffuser	**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

cETLus Listed — Intertek

Housing

INSTALLATION TYPES		
OF - Open Frame Type Non-IC	**IC** - Type-IC	**CP** - Chicago Plenum Type-IC (CCEA) **AT** - Airtight Type-IC

8 5/8" · 4 5/8" · 12 3/4" · C

8 5/8" · 4 5/8" · 12 3/4" · C

8 5/8" · 8 1/16" · 14 5/16" · C

RM - Remodel Type Non-IC	
Integral	Remote

C · 2 5/16" · 2 1/4" · 8 5/8"

C · 1 1/4" · 15/16" · 2 1/2" · REMOTE DRIVER BOX

- 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

2 3/8" · 3 3/4" · B · A

RDB24W

5" · 3 3/4" · B · A

PLENUM CLEARANCE & CUT-OUT DIMENSIONS

TRM/TLMP · TLMW

C · G · D · E · F · 1/8"

	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 **RLD2** - Lutron DALI-2 digital	Emergency battery (+EB) with the following driver options. **RLDE1+EB** - Lutron Hi-lume 1% Eco **RDA+EB** - DALI **RELD1+EB** - eldoLED 1% ECOdrive 0-10V **RELD0+EB** - eldoLED 0.1% SOLOdrive 0-10V

PLENUM CLEARANCE HEIGHT			
	REMOTE & INTEGRAL		
		D1/ELV/TRI	LDE1/DA/ELD1/ELD0/PEQ0
C	OF	4 1/8"	6"
	IC	4" (14 W) 6 3/8" (20 W)	6 3/8"
	CP/AT	4 7/8" (14 W) 6 7/8" (20 W)	6 7/8"
	RM	4 1/8"	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 3/8"
	TLMW	5/8"

AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH

Housing

MOUNTING OPTIONS

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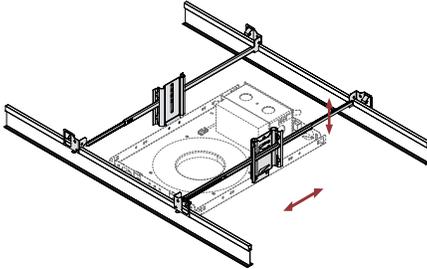
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

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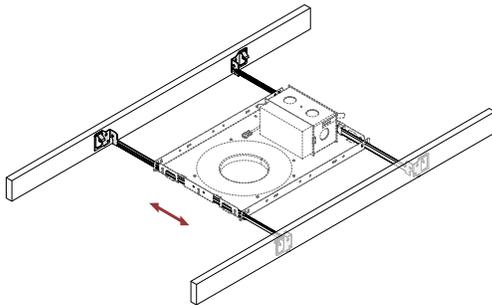
Flush Mount Bars are best used in residential applications, fitting snug to the surface and suitable for Wood, Metal, and Drywall mounting. The flush mounted bars are static and can't be adjusted.

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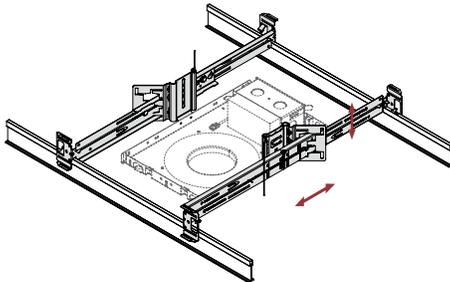
Adjustable Commercial Bar hangers can be used in both commercial and residential applications and are by far the most versatile mounting bar we offer with its adjustability to various heights. ACB hangers are suitable for Grid Ceiling, Drywall, Metal, Wood and Frame mounting.

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

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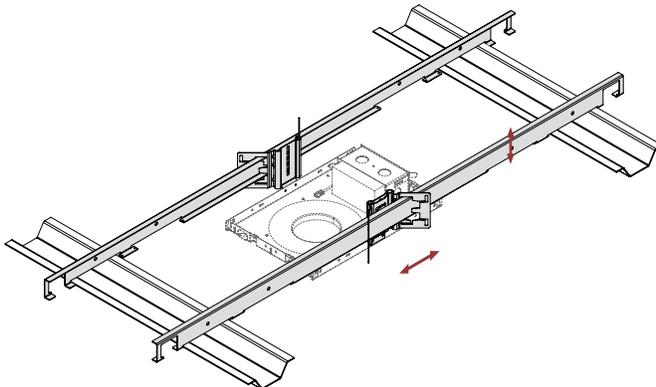
Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable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

AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH

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Light & Baffle
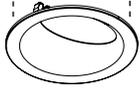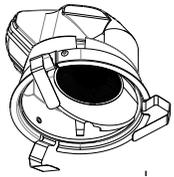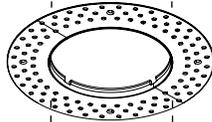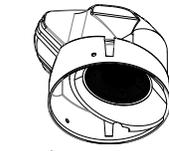
Mudplate
OD - Ø 6 7/8"

Spring Ring
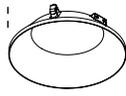
Flanged Trim

Trimless Drywall Mudplate
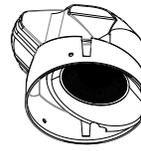
Millwork Adapter

Spring Ring
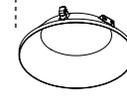
Trimless Millwork

Wall Wash	
TRM Flanged Trim	**TLMP/TLMW** Trimless Drywall Mudplate /Trimless Millwork

Baffle finish

Trim flange finish


Ø 3 1/16" Ø 4 13/16"

1 3/8"

Ø 3 1/16" Ø 4 1/16"

c ETL us
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PoE
Power over Ethernet

AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH

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Color Quality

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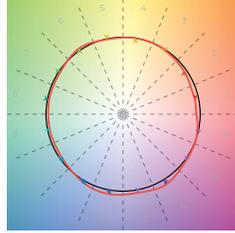
Photometrics

Values calculated with white wall wash baffle, and based on 3500K for static white.
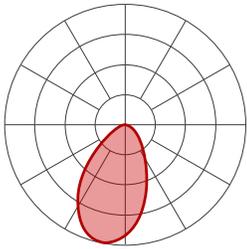
STATIC WHITE

CRI	90 CRI		95 CRI		80 CRI	
	lm	lm/W	lm	lm/W	lm	lm/W
14 W	713	51	549	39	763	54
20 W	1136	57	875	44	1216	61
28 W	1525	54	1174	42	1632	58

SOLA

		lm	lm/W
28 W	3000K	1615	58
	2700K	1615	58

DUO

		lm	lm/W
	6500K	1650	59
28 W	5000K	1650	59
	2700K	1450	52

MULTIPLIERS

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

CCT	
STATIC WHITE	
2700K	0.9
3000K	0.95
3500K	1
4000K	1.05

BAFFLE STYLE AND COLOR	
Flanged trim	1
Trimless	1
White	1
Black	1

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Intertek

PoE
Powered over Ethernet

Photometrics

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

24" from Wall - 36" Spacing
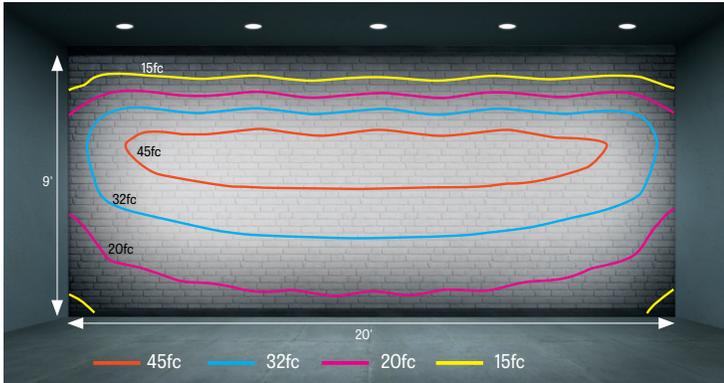
Foot-candles

FC ON WALL		24" FROM WALL - 24" SPACING			24" FROM WALL - 36" SPACING			24" FROM WALL - 48" SPACING			24" FROM WALL - 60" SPACING		
		90 CRI	95 CRI	80 CRI	90 CRI	95 CRI	80 CRI	90 CRI	95 CRI	80 CRI	90 CRI	95 CRI	80 CRI
ABOVE FINISHED FLOOR	9'	11	9	12	7	5	7	6	5	6	5	4	6
	8'	51	39	54	31	24	33	27	20	28	25	19	26
	7'	70	54	74	45	34	48	36	28	39	33	25	35
	6'	61	47	65	40	31	43	31	24	33	27	21	29
	5'	47	36	50	31	24	34	24	18	25	20	15	21
	4'	36	28	39	25	19	26	18	14	20	15	12	16
	3'	29	22	31	20	15	21	14	11	15	12	9	13
	2'	24	18	26	16	13	18	12	9	13	10	8	11
	1'	21	16	22	14	11	15	10	8	11	9	7	9

Lumenwerx

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.
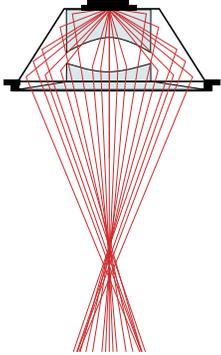
LIGHT SOURCE

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-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.

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Intertek

PoE

AERA 4" DOWNLIGHT
ROUND RECESSED WALL WASH

Lumenwerx

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

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.
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.

ETL
Listed
Intertek

PoE
Power over Ethernet