

AERA 2" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



Declare.



4" Height
Bevel



8" Height
Decorative Bevel



12" Height
Pinhole

True-to-size with a versatile minimalist esthetic, Aera Cylinder luminaires are high-performance fixtures, delivering visually comfortable lighting suitable for a wide range of applications.

Mounting Options

			
Flat	Conduit	Direct	Deep

Beam Angles

							
10°	15°	25°	35°	50°	80°	90°	80°-Up

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

Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
552 lm	7 W	79 lm/W
727 lm	10 W	73 lm/W

¹ Lumen packages are assuming 3500K, 80+ CRI, 35° beam, bevel baffle, 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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DIRECT/INDIRECT, DIRECT



Project: _____

Type: _____

Order Guide



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

LUMINAIRE ID ¹		DISTRIBUTION	CYLINDER HEIGHT		CYLINDER FINISH		BAFFLE STYLE	BAFFLE FINISH		
AE2CYP - Aera 2" Cylinder Pendant AE2CYPASY - Aera 2" Cylinder Pendant Asymmetric ¹ Pendant Wall Wash also available. Consult other spec sheet.		DI - Direct/Indirect D - Direct	DIRECT/INDIRECT ²		DIRECT		FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	
			6IN ³ - 6" 8IN - 8" 12IN - 12"		4IN ⁴ - 4" 8IN - 8" 12IN - 12"					
			CH#IN ⁵ - Custom height							
			² Only available with DR canopy option when specified with integral drivers. ³ Not available with Asymmetric. ⁴ Not available with DMNC/DMRM canopy options when specified with integral drivers. ⁵ Specify height (H) in 1" increments only. Up to maximum 36". For minimum heights, see page 4.							
LENS *		LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	ACCESSORIES *		VOLTAGE	
See page 4 for details							See page 4 for details			
At baffle (choose 1 option) Specify NOL for Pinhole SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens		SW - Static white FS - Full spectrum static white SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	10DEG ⁶ - 10° Very narrow spot 15DEG ⁶ - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG ⁷ - 80° Very wide flood 90DEG ⁷ - 90° Open flood	2STP ⁸ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse	80CRI ⁹ - 80+ CRI 90CRI ⁹ - 90+ CRI 95CRI - 95+ CRI	22K ¹⁰ - 2200K 24K ¹¹ - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ¹¹ - 5000K	At light element ^{12,13} (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 ¹⁴ - Hex louver NA - None ¹² Separate codes with a "+" if more than one is specified, e.g. LSDL+LS. ¹³ LSDL and LFDL cannot be combined. LS and HEX cannot be combined. ¹⁴ Not available with 80°/90° beam options.		120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁵ - 347V ¹⁵ Only available with RD1 driver. Please consult factory.	
			⁸ Not available with full spectrum.	⁹ Not available with full spectrum.	¹⁰ Only available with 90+ CRI. ¹¹ Not available with 95+ CRI.					
						3STP - 3 Step MacAdam Ellipse				
						90CRI - 90+ CRI				
						SOLA 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K DUO 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K				
* LSDL or LFDL at light element cannot be combined with SDL, FDL, or CL at baffle.										
DIRECT WATTAGE ¹⁶		INDIRECT WATTAGE ¹⁸ Specify NA for Direct or SOLA		DIMMING ¹⁹		ELECTRICAL				
PENDANT		PENDANT ASY.		7W - 7 W output, up to 293 lm NA - Not applicable		INTEGRAL		REMOTE ²¹		1C - 1 circuit 2C ²⁵ - 2 circuits ²⁵ Only available with Direct/Indirect.
7W - 7 W output, up to 560 lm 10W ¹⁷ - 10 W output, up to 736 lm		7W - 7 W output, up to 511 lm 10W ¹⁷ - 10 W output, up to 689 lm		¹⁸ Lumen outputs are reduced with full spectrum, consult factory.		D1 - 1% 0-10V ELV ²⁰ - ELV 120V TRI ²⁰ - TRIAC 120V		RD1 - 1% 0-10V RELV ²² - ELV 120V RTRI ²² - TRIAC 120V RLDE1 ²³ - Lutron Hi-lume 1% Eco		
						¹⁹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ²⁰ Only available with 120V.		²¹ A remote driver box is provided. ²² Only available with 120V. ²³ On-site commissioning is required. ²⁴ To specify, add +EB to the selected dimming option, e.g. RD1+EB.		
SOLA 10W ¹⁷ - 10 W output, up to 525 lm		SOLA 10W ¹⁷ - 10 W output, up to 480 lm		SOLA NA - Not applicable		SOLA SD1 - Single 0-10V input SELV ²⁰ - ELV 120V STRI ²⁰ - TRIAC 120V		SOLA RSD1 - Single 0-10V input RSELV ²² - ELV 120V RSTRI ²² - TRIAC 120V		
DUO 8W - 8 W output, up to 500 lm		DUO 8W - 8 W output, up to 455 lm		DUO 8W - 8 W output, up to 500 lm		SOLA SD1 - Single 0-10V input SELV ²⁰ - ELV 120V STRI ²⁰ - TRIAC 120V		DUO RDMX ²³ - DMX RDDA ²³ - DALI DT6 RDDA8 ²³ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 ²³ - Lutron DALI-2 digital +EB ²⁴ - Emergency battery		
CANOPY TYPE ²⁶		CANOPY FINISH		SUSPENSION		OPTION ³⁸				
FLR ^{27,28} - Flat round canopy, 4" octagonal junction box CDR ^{27,28} - Conduit feed, round canopy ²⁶ See page 6 for details. ²⁷ Direct/Indirect requires a remote driver. ²⁸ For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. ²⁹ 4" long cylinders require a remote driver. ³⁰ Single wiring entry only. No daisy chain connections allowed. ³¹ Can accommodate up to 2 drivers.		DMNC ^{27,29} - Direct mount, new construction DMRM ^{27,29,30} - Direct mount, remodel DR ³¹ - Deep round canopy		FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#		POWER CORD ^{32,33} BPC##IN - Black PVC WPC##IN - White PVC ³² Min 18" - max 72", specify length (H) in inches. ³³ Not available with Asymmetric.		STEM ³⁴ BKS##IN - Matte black stem WHS##IN - Matte white stem BKSS##IN ³⁵ - Matte black swivel stem WHSS##IN ³⁵ - Matte white swivel stem BKFCSS##IN ³⁶ - Matte black field-cutttable stem WHFCS##IN ³⁶ - Matte white field-cutttable stem CF#S##IN ³⁷ - Custom finish stem ³⁴ Min 10" - max 72", specify length (H) in inches. ³⁵ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integ ral driver. ³⁶ Maximum 20" cylinder height. ³⁷ Specify RAL#.		CF#SS##IN ^{35,37} - Custom finish swivel stem CF#FCS##IN ^{36,37} - Custom finish field-cutttable stem ³⁸ To specify a JA8 compliant fixture, see page 3.

AERA 2" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT
Title 24 JA8



Project: _____

Type: _____



Order Guide

LUMINAIRE ID ¹	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
	D				
AE2CYP - Aera 2" Cylinder Pendant AE2CYPASY - Aera 2" Cylinder Pendant Asymmetric ¹ Pendant Wall Wash also available. Consult other spec sheet.	D - Direct	4IN ² - 4" 8IN - 8" 12IN - 12" CH#IN ³ - Custom height ² Not available with DMNC/DMRM canopy options when specified with integral drivers. ³ Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 4.	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#

LENS *	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY *	VOLTAGE
See page 4 for details				90CRI		See page 4 for details	
At baffle Specify NOL for Pinhole SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	SW - Static white SOLA - Dim-to-warm single channel control	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG ⁴ - 80° Very wide flood 90DEG ⁴ - 90° Open flood ⁴ Not available with Asymmetric. 50DEG - 50° Wide flood	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse	90CRI - 90+ CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA ⁵ - Dim-to-warm single channel control ⁵ 3500K to 2200K	At light element LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens NA - None	120V - 120V 277V - 277V

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

DIRECT WATTAGE	INDIRECT WATTAGE	DIMMING	ELECTRICAL
	NA		1C
PENDANT 7W - 7 W output, up to 560 lm 8W - 8 W output, up to 250 lm	PENDANT ASY. 7W - 7 W output, up to 511 lm 8W - 8 W output, up to 200 lm	NA - Not applicable INTEGRAL D1 - 1% 0-10V ELV ⁶ - ELV 120V TRI ⁶ - TRIAC 120V ⁶ Only available with 120V. SD1 - Single 0-10V input SELV ⁶ - ELV 120V STRI ⁶ - TRIAC 120V REMOTE ⁷ RD1 - 1% 0-10V RELV ⁸ - ELV 120V RTRI ⁸ - TRIAC 120V RLDE1 ⁹ - Lutron Hi-lume 1% Eco ⁷ A remote driver box is provided. ⁸ Only available with 120V. ⁹ On-site commissioning is required. RSD1 - Single 0-10V input RSELV ⁸ - ELV 120V RSTRI ⁸ - TRIAC 120V	1C - 1 circuit

CANOPY TYPE ¹⁰	CANOPY FINISH	SUSPENSION	OPTION
			JA8
FLR ¹¹ - Flat round canopy, 4" octagonal junction box CDR ¹¹ - Conduit feed, round canopy DMNC ¹² - Direct mount, new construction DMRM ^{12,13} - Direct mount, remodel DR ¹⁴ - Deep round canopy ¹⁰ See page 6 for details. ¹¹ For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. ¹² 4" long cylinders require a remote driver. ¹³ Single wiring entry only. No daisy chain connections allowed. ¹⁴ Can accommodate up to 2 drivers.	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	POWER CORD ^{15,16} BPC##IN - Black PVC WPC##IN - White PVC ¹⁵ Min 18" - max 72", specify length (##) in inches. ¹⁶ Not available with Asymmetric. STEM ¹⁷ BKS##IN - Matte black stem WHS##IN - Matte white stem BKSS##IN ¹⁸ - Matte black swivel stem WHSS##IN ¹⁸ - Matte white swivel stem BKFCS##IN ¹⁹ - Matte black field-cutttable stem WHFCS##IN ¹⁹ - Matte white field-cutttable stem ¹⁷ Min 10" - max 72", specify length (##) in inches. ¹⁸ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ¹⁹ Maximum 20" cylinder height. ²⁰ Specify RAL#.	JA8 - JA8 compliant CF#S##IN ²⁰ - Custom finish stem CF#SS##IN ^{18,20} - Custom finish swivel stem CF#FCS##IN ^{19,20} - Custom finish field-cutttable stem

AERA 2" CYLINDER

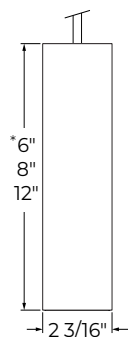
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



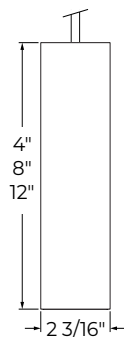
Dimensions

CYLINDER

Direct/Indirect



Direct



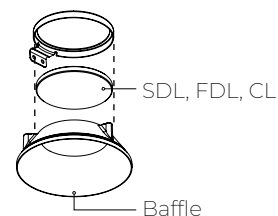
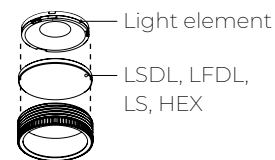
*Not available with Asymmetric.

Minimum heights - Cylinder

Size	Distribution	Integral driver in cylinder	Integral driver in canopy or J-box	Remote driver
Ø 2"	Direct/Indirect	NA	6"	6"
	Direct	7"	4"	4"

*Consult factory for maximum heights.

Lens and Accessories



BAFFLE

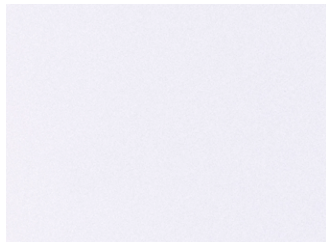
BVL Bevel	PHL Pinhole	BVLD Decorative bevel

AERA 2" CYLINDER

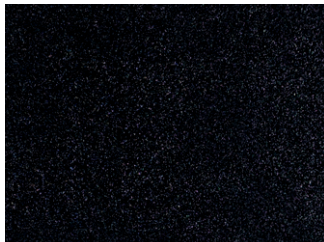
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



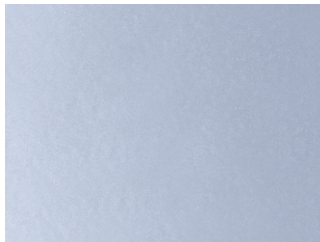
Finishes



FTMW - Matte white



FTMB - Matte black



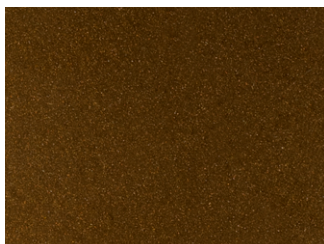
FSPC - Satin silver



FSSPC - Matte silver



FCHP - Champagne



FDBZ - Dark bronze

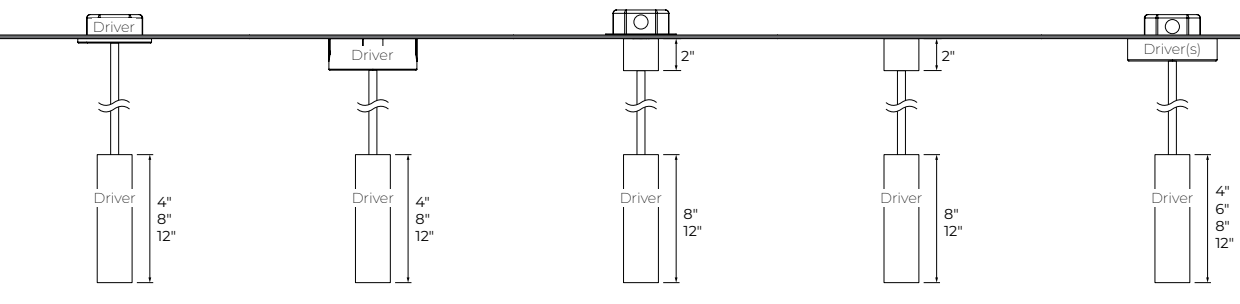
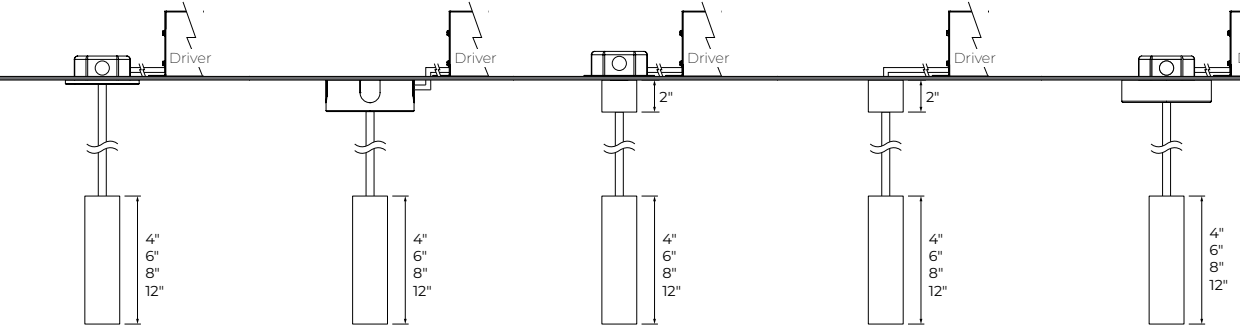
AERA 2" CYLINDER

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Mounting

CANOPY

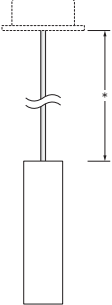
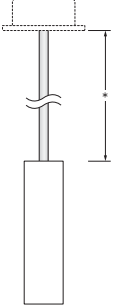
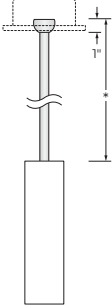
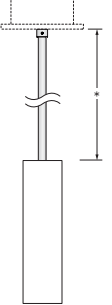
INTEGRAL DRIVER						
Order code	FLR Flat round canopy, 4" octagonal junction box		CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	DR Deep round canopy
Canopy type						
Distribution	Direct					Direct/Indirect Direct
Canopy size	Ø 4 1/2" Height 3/8"		Ø 5 1/2" Height 1 15/16"	Ø 2 3/16" Height 2"		Ø 5 5/8" Height 1 3/8"
Suspension	Power cord, Stem, Swivel stem ¹ , Field-cutable stem ¹ Not available for 4" long cylinders specified with FLR/CDR.			Power cord, Stem, Field-cutable stem		
Min. height	4" (Driver in junction box) 8" (Driver in cylinder)			8"		D/I - 6" (Pendant) D/I - 8" (Pendant Asymmetric) D - 4"
				Single wiring entry only. No daisy chain connections allowed.		D/I - 2 drivers in canopy D - 1 driver in canopy or cylinder
REMOTE DRIVER						
Order code	FLR Flat round canopy, 4" octagonal junction box		CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	DR Deep round canopy
Canopy type						
Distribution	Direct/Indirect Direct					
Canopy size	Ø 4 1/2" Height 3/8"		Ø 5 1/2" Height 1 15/16"	Ø 2 3/16" Height 2"		Ø 5 5/8" Height 1 3/8"
Suspension	Power cord, Stem, Swivel stem, Field-cutable stem			Power cord, Stem, Field-cutable stem		
Min. height	D/I - 6" (Pendant) D/I - 8" (Pendant Asymmetric) D - 4"					
				Single wiring entry only. No daisy chain connections allowed.		

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SUSPENSION

POWER CORD ¹		STEM		
PVC		Stem	Swivel stem ^{2,3}	Field-cutable stem ⁴
				
Power Cord Lengths (*)		Stem Lengths (*)		
Min 18" Max 72"		Min 10" Max 72"	Min 10" Max 72" Max 45° tilt	Min 10" Max 72"
¹ Not available with Asymmetric.		² Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ³ The total stem length (*) includes the 1" swivel base located inside the canopy. ⁴ Maximum 20" cylinder height.		

AERA 2" CYLINDER

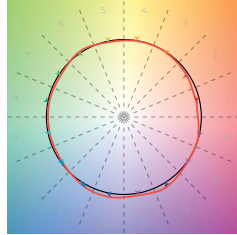
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



Color Quality

COLOR QUALITY - 3500K

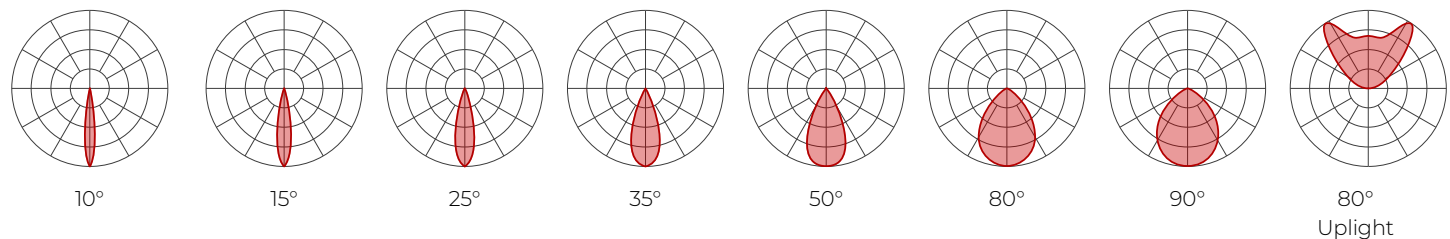
TM-30 R _r	91
TM-30 R _g	100
CRI	90+
R9	> 50



Photometrics

PENDANT

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°	Uplight	10°	15°	25°	35°	50°	80°	90°	Uplight	10°	15°	25°	35°	50°	80°	90°	Uplight
7 W	462	513	560	552	530	477	477	293	431	479	523	516	495	446	446	273	332	369	403	397	381	343	343	210
10 W	606	673	736	727	697	627	627	NA	566	629	688	679	651	586	586	NA	436	484	530	523	501	451	451	NA

Efficacy (LM/W)

CRI	80+ CRI								90+ CRI								95+ CRI							
BEAM	10°	15°	25°	35°	50°	80°	90°	Uplight	10°	15°	25°	35°	50°	80°	90°	Uplight	10°	15°	25°	35°	50°	80°	90°	Uplight
7 W	66	73	80	79	76	68	68	42	62	68	75	74	71	64	64	39	47	53	58	57	54	49	49	30
10 W	61	67	74	73	70	63	63	NA	57	63	69	68	65	59	59	NA	44	48	53	52	50	45	45	NA

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	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
2400K	0.87		Black	1				
2700K	0.94	Pinhole	White	0.92	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
3000K	0.98		Black	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84
3500K	1	Decorative bevel	White	1	NOL - No lens	1.1	HEX - Hex louver	0.86
4000K	1.05		Black	1	* 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			
5000K	1.05							

For SOLA and DUO, please consult factory.

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\left(\frac{\text{DIRECT LM} + \text{UPLIGHT LM}}{\text{DIRECT W} + \text{UPLIGHT W}} \right) = \text{LPW}$$

AERA 2" CYLINDER

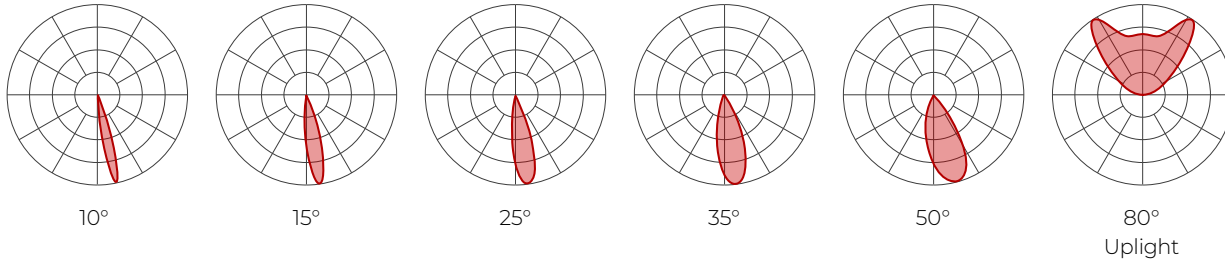
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



Photometrics

PENDANT ASYMMETRIC

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°	Uplight	10°	15°	25°	35°	50°	Uplight	10°	15°	25°	35°	50°	Uplight
7 W	428	476	493	511	439	293	401	445	461	478	410	273	309	343	355	368	316	210
10 W	577	641	664	689	591	NA	539	599	621	644	552	NA	415	461	478	496	425	NA

Efficacy (LM/W)

CRI	80+ CRI						90+ CRI						95+ CRI					
BEAM	10°	15°	25°	35°	50°	Uplight	10°	15°	25°	35°	50°	Uplight	10°	15°	25°	35°	50°	Uplight
7 W	61	68	70	73	63	42	57	64	66	68	59	39	44	49	51	53	45	30
10 W	58	64	66	69	59	NA	54	60	62	64	55	NA	41	46	48	50	43	NA

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	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
2400K	0.87		Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
2700K	0.94	Pinhole	White	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84
3000K	0.98		Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86
3500K	1	Decorative bevel	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 + LS = 1.1 x 1 x 0.84 = 0.924			
4000K	1.05		Black	1				
5000K	1.05							

For SOLA and DUO,
please consult factory.

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values,
follow the formula.

$$\left(\frac{\text{DIRECT LM} + \text{UPLIGHT LM}}{\text{DIRECT W} + \text{UPLIGHT W}} \right) = \text{LPW}$$

AERA 2" CYLINDER

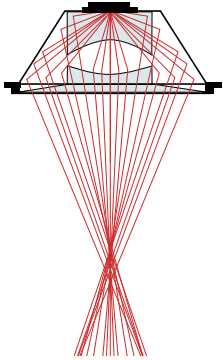
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



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

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 option: 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: Die-cast and extruded aluminum

Power cord: Black and white PVC, 18" to 72" standard length (Pendant option only)

Stem: Ø 1/2" rigid stem, swivel stem, and field-cuttable stem 10" to 72" standard length

Canopy: Flat, conduit feed, direct, and deep

Finish: Matte white, matte black, champagne, and dark bronze. Custom colors also available (provide RAL #). Satin silver and matte silver finishes are also available for Baffle.

Heat sink: Die-cast aluminum

Baffle: Die-cast aluminum

Baffle style: Bevel, pinhole, and decorative bevel

AERA 2" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT



WEIGHT

Direct/Indirect	Direct
6": 1 lbs - 0.5 kg	4": 0.6 lbs - 0.3 kg
8": 1.2 lbs - 0.5 kg	8": 1.2 lbs - 0.6 kg
12": 1.4 lbs - 0.6 kg	12": 1.5 lbs - 0.7 kg

LENS AND ACCESSORIES



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.

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.

