

AERA 2" CYLINDER


PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

LUMENWERX




Project: _____


Type: _____



**4" Height
Bevel**




**8" Height
Decorative Bevel**



**12" Height
Pinhole**

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

Beam Angles



15° 25° 35° 50° 80° 90° 80°-Up

Low UGR < 10 in 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
SOLA - Dim-to-Warm
DUO - Tunable White


COB

2 Step Color Binning
Up to 95 CRI

Driver


1%, 0.1% Dimming Available
0-10V, TRIAC, ELV, Lutron EcoSystem, DALI, DMX
Emergency Battery (optional)

Mounting Options



Flat	Conduit	Direct	Deep
Power Cord Stem Swivel Stem	Power Cord Stem Swivel Stem	Power Cord Stem	Power Cord Stem




Certifications






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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Order Guide



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

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 4IN ³ - 4" 8IN - 8" 12IN - 12"	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne finish, specify RAL#	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL#
		6IN - 6" 8IN - 8" 12IN - 12" CH#IN ⁴ - Custom height					

² Only available with DR canopy option when specified with integral drivers.
³ Not available with DMNC/DMRM canopy options when specified with integral drivers.
⁴ Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 5.

LENS * See page 5 for details	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORIES * See page 5 for details	VOLTAGE
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 SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K	15DEG ⁵ - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG ⁶ - 80° Very wide flood 90DEG ⁶ - 90° Open flood ⁵ Not available with full spectrum. ⁶ Not available with Asymmetric.	2STP ⁷ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁷ Not available with full spectrum. 3STP - 3 Step MacAdam Ellipse	90CRI ⁸ - 90 CRI 95CRI - 95 CRI 80CRI ⁸ - 80 CRI ⁸ Not available with full spectrum. 90CRI - 90 CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K	At light element ^{9,10} (choose up to 2 options) LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX - Hex louver NA - None ⁹ If two options are specified, separate codes with a "+", e.g. LSDL+HEX . ¹⁰ LSDL and LFDL cannot be combined. LS and HEX cannot be combined.	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹¹ - 347V ¹¹ Available with RD1 driver only. Please consult factory.

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

DIRECT WATTAGE ¹²	INDIRECT WATTAGE ^{14,15} Specify NA for Direct	DIMMING ¹⁶	ELECTRICAL
PENDANT 7W - 7 W output, up to 560 lm 10W ¹³ - 10 W output, up to 736 lm ¹² Lumen outputs are reduced with full spectrum, consult factory. ¹³ Not available for a Direct/Indirect fixture.	PENDANT ASY. 7W - 7 W output, up to 511 lm 10W ¹³ - 10 W output, up to 689 lm ¹⁴ Lumen outputs are reduced with full spectrum, consult factory. ¹⁵ For a Direct/Indirect fixture for SOLA/DUO, consult factory.	INTEGRAL D1 - 1% 0-10V ELV ¹⁷ - ELV 120V TRI ¹⁷ - TRIAC 120V ¹⁶ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁷ Available with 120V only.	REMOTE ¹⁸ RD1 - 1% 0-10V RELV ¹⁹ - ELV 120V RTRI ¹⁹ - TRIAC 120V ¹⁸ A remote driver box is provided, see page 7 for details. ¹⁹ Available with 120V only.
SOLA 8W - 8 W output, up to 250 lm DUO 7W - 7 W output, up to 200 lm	SOLA 8W - 8 W output, up to 200 lm DUO 7W - 7 W output, up to 180 lm	SOLA SD1 - Single 0-10V input SELV ¹⁷ - ELV 120V STR1 ¹⁷ - TRIAC 120V	RLDE1 ²⁰ - Lutron Hi-lume 1% Eco RDA ²⁰ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ²¹ - Emergency battery ²⁰ On-site commissioning is required. ²¹ For emergency battery, code will be like the following example: RD1+EB .
			1C - 1 circuit 2C ²² - 2 circuits ²² Available with Direct/Indirect only.

CANOPY TYPE ²³	CANOPY FINISH	SUSPENSION	OPTION ³⁸
FLR ^{24,25} - Flat round canopy, 4" octagonal junction box CDR ^{24,25} - Conduit feed, round canopy DMNC ^{24,26} - Direct mount, new construction DMRM ^{24,26,27} - Direct mount, remodel DR ^{28,29} - Deep round canopy, driver(s) in canopy ²³ See page 6 for details. ²⁴ Direct/Indirect requires a remote driver. ²⁵ 4" long cylinders require a remote driver, or a j-box for integral drivers. See page 6 for details. ²⁶ 4" long cylinders require a remote driver. ²⁷ Single wiring entry only. No daisy chain connections allowed. ²⁸ Available with integral driver only. ²⁹ For Direct, one driver in canopy. For Direct/Indirect, 2 drivers in canopy.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL#	POWER CORD ^{30,31} BPC##IN - Black PVC WPC##IN - White PVC CF#F##IN ^{32,33,34} - Custom color fabric, consult factory ³⁰ Min 18" - max 72", specify length (##) in inches. ³¹ Not available with Asymmetric. ³² Not available with DI and SD1 dimming options. ³³ Not available for DI fixture. ³⁴ Specify fabric color (#).	STEM ³⁵ BKS##IN - Textured black stem WHS##IN - Textured white stem BKSS##IN ³⁶ - Textured black swivel stem WHSS##IN ³⁶ - Textured white swivel stem CF#S##IN ³⁷ - Custom finish stem CF#SS##IN ^{36,37} - Custom finish swivel stem ³⁵ Min 10" - max 72", specify length (##) in inches. ³⁶ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ³⁷ Specify RAL#.
			NA - None ³⁸ To specify an ENERGY STAR certified fixture, see page 3. To specify a JAB compliant fixture, see page 4.

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PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT
ENERGY STAR

LUMENWERX

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	4IN² - 4" 8IN - 8" 12IN - 12" CH#IN³ - 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 5.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL#	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL#

LENS See page 5 for details	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY	VOLTAGE
	SW		2STP			NA	
At baffle Specify NOL for Pinhole SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens NOL - No lens	SW - Static white	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	At light element NA - Not applicable	120V - 120V 277V - 277V UNV - 120V-277V

DIRECT WATTAGE	INDIRECT WATTAGE	DIMMING	ELECTRICAL
7W	NA		1C
PENDANT 7W - 7 W output, up to 560 lm	PENDANT ASY. 7W - 7 W output, up to 511 lm	NA - Not applicable INTEGRAL D1 - 1% 0-10V ELV⁴ - ELV 120V TRI⁴ - TRIAC 120V ⁴ Available with 120V only.	REMOTE⁵ RD1 - 1% 0-10V RELV⁶ - ELV 120V RTRI⁶ - TRIAC 120V RLDE1⁷ - Lutron Hi-Lume 1% Eco ⁵ A remote driver box is provided, see page 7 for details. ⁶ Available with 120V only. ⁷ On-site commissioning is required.

CANOPY TYPE ⁸	CANOPY FINISH	SUSPENSION	OPTION
			ES
FLR⁹ - Flat round canopy, 4" octagonal junction box CDR⁹ - Conduit feed, round canopy DMNC¹⁰ - Direct mount, new construction DMRM^{10,11} - Direct mount, remodel DR¹² - Deep round canopy, driver in canopy ⁸ See page 6 for details. ⁹ 4" long cylinders require a remote driver, or a j-box for integral drivers. See page 6 for details. ¹⁰ 4" long cylinders require a remote driver. ¹¹ Single wiring entry only. No daisy chain connections allowed. ¹² Available with integral driver only.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL#	POWER CORD^{13,14} BPC##IN - Black PVC WPC##IN - White PVC CF#F##IN^{15,16} - Custom color fabric, consult factory ¹³ Min 18" - max 72", specify length (##) in inches. ¹⁴ Not available with Asymmetric. ¹⁵ Not available with D1 dimming option. ¹⁶ Specify fabric color (#).	STEM¹⁷ BKS##IN - Textured black stem WHS##IN - Textured white stem BKSS##IN¹⁸ - Textured black swivel stem WHSS##IN¹⁸ - Textured white swivel stem CF#S##IN¹⁹ - Custom finish stem CF#SS##IN^{18,19} - Custom finish swivel 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 Specify RAL#.



AERA 2" CYLINDER

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

LUMENWERX

Project: _____

Type: _____



Order Guide

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	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 5.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL#	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL#

LENS *	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY *	VOLTAGE
See page 5 for details				90CRI		See page 5 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 35K to 22K	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.	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 - Dim-to-warm single channel control 35K to 22K	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 DI - 1% 0-10V ELV ⁵ - ELV 120V TRI ⁵ - TRIAC 120V ⁵ Available with 120V only. SDI - Single 0-10V input SELV ⁵ - ELV 120V STRI ⁵ - TRIAC 120V	REMOTE ⁶ RDI - 1% 0-10V RELV ⁷ - ELV 120V RTRI ⁷ - TRIAC 120V RLDEI ⁸ - Lutron Hi-lume 1% Eco ⁶ A remote driver box is provided, see page 7 for details. ⁷ Available with 120V only. ⁸ On-site commissioning is required. RSDI - Single 0-10V input RSELV ⁷ - ELV 120V RSTRI ⁷ - TRIAC 120V

CANOPY TYPE ⁹	CANOPY FINISH	SUSPENSION	OPTION
			JA8
FLR ¹⁰ - Flat round canopy, 4" octagonal junction box CDR ¹⁰ - Conduit feed, round canopy DMNC ¹¹ - Direct mount, new construction DMRM ^{11,12} - Direct mount, remodel DR ¹³ - Deep round canopy, driver in canopy ⁹ See page 6 for details. ¹⁰ 4" long cylinders require a remote driver, or a j-box for integral drivers. See page 6 for details. ¹¹ 4" long cylinders require a remote driver. ¹² Single wiring entry only. No daisy chain connections allowed. ¹³ Available with integral driver only.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL#	POWER CORD ^{14,15} BPC##IN - Black PVC WPC##IN - White PVC CF#F##IN ^{16,17} - Custom color fabric, consult factory ¹⁴ Min 18" - max 72", specify length (##) in inches. ¹⁵ Not available with Asymmetric. ¹⁶ Not available with DI and SDI dimming options. ¹⁷ Specify fabric color (#).	STEM ¹⁸ BKS##IN - Textured black stem WHS##IN - Textured white stem BKSS##IN ¹⁹ - Textured black swivel stem WHSS##IN ¹⁹ - Textured white swivel stem CF#S##IN ²⁰ - Custom finish stem CF#SS##IN ^{19,20} - Custom finish swivel stem ¹⁸ Min 10" - max 72", specify length (##) in inches. ¹⁹ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ²⁰ Specify RAL#.

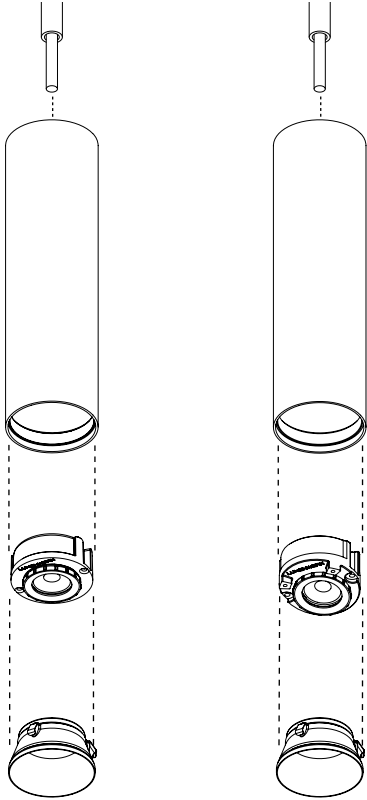


AERA 2" CYLINDER

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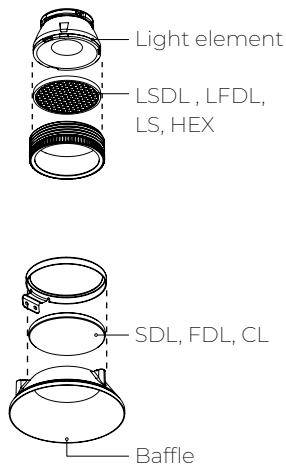
Overview



AE2CYP
Aera 2"
Cylinder
Pendant

AE2CYPASY
Aera 2"
Cylinder
Pendant
Asymmetric

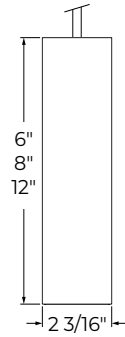
LENS AND ACCESSORIES



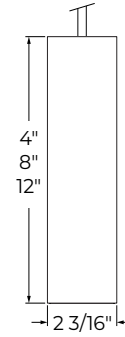
Dimensions

CYLINDER

Direct/Indirect



Direct



Minimum heights - Cylinder

Size	Distribution	Integral driver in cylinder	Integral driver in canopy or J-box	Remote driver
Ø2"	Direct/Indirect	NA	6"	6"
	Direct	7"	4"	4"

*Consult factory for maximum heights.

BAFFLE

BVL Bevel	PHL Pinhole	BVLD Decorative bevel

	Baffle finish
	Textured matte black

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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, driver(s) in canopy
Canopy type					
Distribution	Direct				Direct/Indirect Direct
Canopy size	Ø 4 5/8" Height 1/4"	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 <small>¹Not available for 4" long cylinders specified with FLR/CDR.</small>		Power cord, Stem		
Min. height	4" (Driver in junction box) 8" (Driver in cylinder)		8"		D/I - 6" D - 4"
					Single wiring entry only. No daisy chain connections allowed.
					D/I - 2 drivers in canopy D - 1 driver in canopy

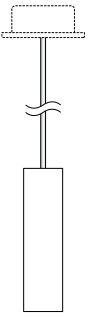
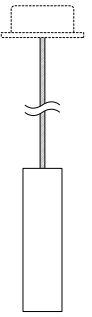
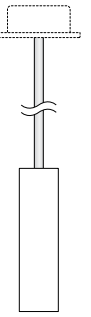
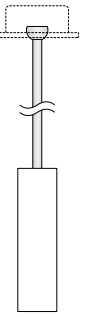
REMOTE DRIVER					
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	
Canopy type					
Distribution	Direct/Indirect Direct				
Canopy size	Ø 4 5/8" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 2 3/16" Height 2"		
Suspension	Power cord, Stem, Swivel stem		Power cord, Stem		
Min. height	D/I - 6" D - 4"				
					Single wiring entry only. No daisy chain connections allowed.

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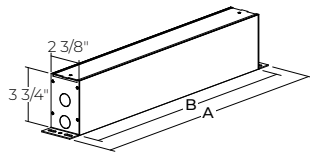
LUMENWERX

SUSPENSION

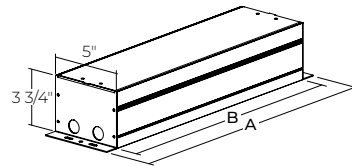
POWER CORD ¹		STEM	
PVC	Fabric ^{2,3}	Stem	Swivel stem ⁴
			
Power Cord Lengths		Stem Lengths	
Min 18" Max 72"	Min 18" Max 72"	Min 10" Max 72"	Min 10" Max 72" Max 45° tilt
¹ Not available with Asymmetric.		⁴ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver.	
¹ Not available with Asymmetric.			
² Not available with D1 and SD1 dimming options.			
³ Not available for DI fixture.			

REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



RDB24W



	RDB8	RDB18	RDB24	RDB24W
A	10"	20"	26"	26"
B	8"	18"	24"	24"
DRIVER	RD1 - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V 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 RPSQO - Lutron T-Series 1% tunable white	Emergency battery (+EB) with the following driver options. RLDE1+EB - Lutron Hi-lume 1% Eco RDA+EB - DALI RELD1+EB - eldoLED 1% ECOdrive 0-10V RELD0+EB - eldoLED 0.1% SOLOdrive 0-10V

AERA 2" CYLINDER

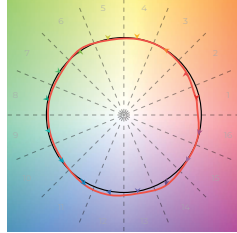
LUMENWERX

PENDANT, PENDANT ASYMMETRIC
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Color Quality

COLOR QUALITY - 3500K

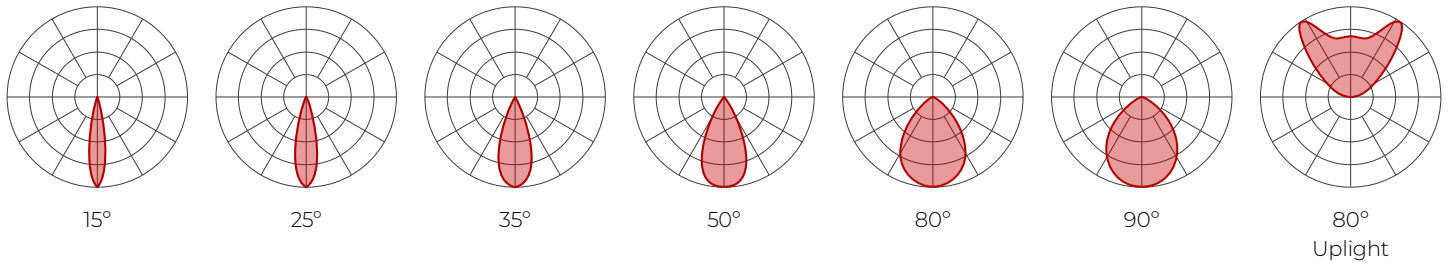
TM-30 Rr	91
TM-30 Ra	100
CRI	90
R9	> 50



Photometrics

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT, baffle styles, baffle colors, lensing and accessories will change the lumen value.

PENDANT



Delivered Lumens for Bevel Baffles - At 35K, with SDL lens option

CRI	90 CRI							95 CRI							80 CRI						
	BEAM	15	25	35	50	80	90	Uplight	15	25	35	50	80	90	Uplight	15	25	35	50	80	90
7 W	479	523	516	495	446	446	273	369	403	397	381	343	343	210	513	560	552	530	477	477	293
10 W	629	688	679	651	586	586	NA	484	530	523	501	451	451	NA	673	736	727	697	627	627	NA

Efficacy Based on Delivered Lumens

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

MULTIPLIERS

CCT	BAFFLE STYLE AND COLOR			LENS * (At baffle)		ACCESSORIES * (At light element)		
2700K	0.9	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
3000K	0.95		Black	1		FDL - Frosted lens		0.8
3500K	1	Pinhole	White	0.92	CL - Clear lens		1.1	LS - Linear spread
4000K	1.05		Black	0.92		NOL - No lens	1.1	
For SOLA and DUO, please consult factory.		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 + HEX = 1.1 x 1 x 0.86 = 0.946			
			Black	1				

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{c} \text{DIRECT} \\ \text{DELIVERED LM} \end{array} + \begin{array}{c} \text{UPLIGHT} \\ \text{DELIVERED LM} \end{array} \right)}{\left(\begin{array}{c} \text{DIRECT} \\ \text{WATTAGE} \end{array} + \begin{array}{c} \text{UPLIGHT} \\ \text{WATTAGE} \end{array} \right)} = \text{EFFICACY}$$

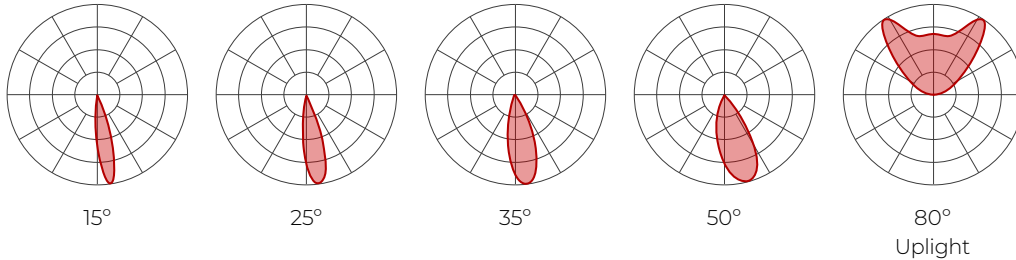
AERA 2" CYLINDER

LUMENWERX

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT, baffle styles, baffle colors, lensing and accessories will change the lumen value.

PENDANT ASYMMETRIC



Delivered Lumens for Bevel Baffles - At 35K, with SDL lens option

CRI	90 CRI					95 CRI					80 CRI				
	BEAM	15	25	35	50	Uplight	15	25	35	50	Uplight	15	25	35	50
7 W	445	461	478	410	273	343	355	368	316	210	476	493	511	439	293
10 W	599	621	644	552	NA	461	478	496	425	NA	641	664	689	591	NA

Efficacy Based on Delivered Lumens

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

MULTIPLIERS

CCT		BAFFLE STYLE AND COLOR			LENS * (At baffle)		ACCESSORIES * (At light element)	
2700K	0.9	Bevel	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
3000K	0.95		Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
3500K	1	Pinhole	White	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84
4000K	1.05		Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86
For SOLA and DUO, please consult factory.		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 + HEX = 1.1 x 1 x 0.86 = 0.946			
			Black	1				

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{c} \text{DIRECT} \\ \text{DELIVERED LM} \end{array} + \begin{array}{c} \text{UPLIGHT} \\ \text{DELIVERED LM} \end{array} \right)}{\left(\begin{array}{c} \text{DIRECT} \\ \text{WATTAGE} \end{array} + \begin{array}{c} \text{UPLIGHT} \\ \text{WATTAGE} \end{array} \right)} = \text{EFFICACY}$$

AERA 2" CYLINDER

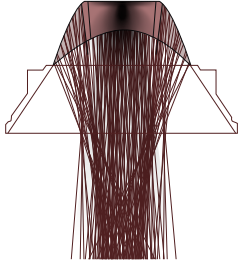
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

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

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. Optional full spectrum LEDs can be incorporated in the fixture to increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms.

CHROMAWERX

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. 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 (6500K) to warm (2700K) LED arrays - maintaining a CRI above 90. 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.

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

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 10W, the battery provides 6W of emergency light output. For fixtures 10W and over, the battery provides 10W.

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), 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, custom color fabric. 18" to 72" standard length (Pendant option only).

Stem: Rigid stem and swivel stem 10" to 72" standard length.

Canopy: Flat, conduit feed, direct, and deep.

Finish: Textured matte white, black, and champagne. Custom colors also available (provide RAL #). Specular and semi-specular finishes are also available for Baffle.

Heat sink: Die-cast aluminum.

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

AERA 2" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

LUMENWERX

BAFFLE

Die-cast aluminum

Baffle style: Bevel, pinhole, and decorative bevel

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.

ENERGY STAR - ENERGY STAR certified

Title 24 JA8 - California Building Standards Code

WARRANTY

Lumenwerx provides a five-year limited warranty of 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.