

AERA 3" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

LUMENWERX



Project: _____

Type: _____

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.



4" Height
Bevel

8" Height
Decorative Bevel

12" Height
Pinhole

Beam Angles



Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
1132 lm	10 W	113 lm/W
1545 lm	14 W	110 lm/W
2135 lm	20 W	107 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



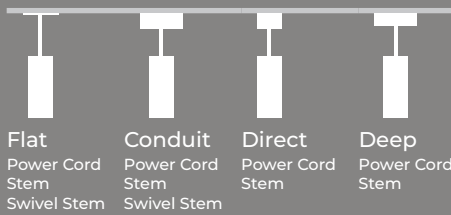
COB

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



Certifications



Aera Family (Refer to other spec sheets)

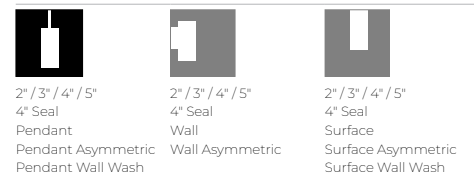
Downlight



Multi-aperture



Cylinder



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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
AE3CYP - Aera 3" Cylinder Pendant AE3CYPASY - Aera 3" Cylinder Pendant Asymmetric ¹ Pendant Wall Wash also available. Consult other spec sheet.	DI - Direct/Indirect D - Direct	DIRECT/INDIRECT ²		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 finish, specify RAL#
		6IN - 6" 8IN - 8" 12IN - 12" CH#IN ⁴ - Custom height	DIRECT 4IN ³ - 4" 8IN - 8" 12IN - 12"			

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 DUO - Tunable white 2-channel control 65K to 27K	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG ⁵ - 80° Very wide flood 90DEG ⁵ - 90° Open flood ⁵ Not available with Asymmetric. 50DEG - 50° Wide flood	2STP ⁶ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁶ Not available with full spectrum. 3STP - 3 Step MacAdam Ellipse	90CRI ⁷ - 90 CRI 95CRI - 95 CRI 80CRI ⁷ - 80 CRI ⁷ 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 ^{8,9} (choose up to 2 options) LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX - Hex louver NA - None ⁸ If two options are specified, separate codes with a "+", e.g. LSDL+HEX . ⁹ LSDL and LFDL cannot be combined. LS and HEX cannot be combined.	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁰ - 347V ¹⁰ 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 ¹¹	INDIRECT WATTAGE ¹³ Specify NA for Direct	DIMMING ¹⁴	ELECTRICAL			
PENDANT 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm 20W ¹² - 20 W output, up to 2135 lm ¹¹ Lumen outputs are reduced with full spectrum, consult factory. ¹² Not available for a Direct/Indirect fixture.	PENDANT ASY. 10W - 10 W output, up to 1029 lm 14W - 14 W output, up to 1406 lm 20W ¹² - 20 W output, up to 1942 lm ¹³ Lumen outputs are reduced with full spectrum, consult factory.	INTEGRAL DI - 1% 0-10V ELV ¹⁵ - ELV 120V TRI ¹⁵ - TRIAC 120V ¹⁴ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁵ Available with 120V only.	REMOTE ¹⁶ RD1 - 1% 0-10V RELV ¹⁷ - ELV 120V RTRI ¹⁷ - TRIAC 120V ¹⁶ A remote driver box is provided, see page 7 for details. ¹⁷ Available with 120V only.	RLDE1 ¹⁸ - Lutron Hi-lume 1% Eco RDA ¹⁸ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹⁹ - Emergency battery ¹⁸ On-site commissioning is required. ¹⁹ For emergency battery, code will be like the following example: RD1+EB .	1C - 1 circuit 2C ²⁰ - 2 circuits ²⁰ Available with Direct/Indirect only.	
SOLA 12W - 12 W output, up to 725 lm DUO 11W - 11 W output, up to 525 lm	SOLA 12W - 12 W output, up to 625 lm DUO 11W - 11 W output, up to 475 lm	SOLA 12W - 12 W output, up to 431 lm DUO 11W - 11 W output, up to 285 lm NA - Not applicable	SOLA SD1 - Single 0-10V input SELV ¹⁵ - ELV 120V STRI ¹⁵ - TRIAC 120V	SOLA RSD1 - Single 0-10V input RSELV ¹⁷ - ELV 120V RSTRI ¹⁷ - TRIAC 120V	DUO RDMX ¹⁸ - DMX RDDA ¹⁸ - DALI DT6 RDDA8 ¹⁸ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQO ¹⁸ - Lutron T-Series 1% tunable white	

CANOPY TYPE ²¹	CANOPY FINISH	SUSPENSION	OPTION ³⁶	
FLR ^{22,23} - Flat round canopy, 4" octagonal junction box CDR ^{22,23} - Conduit feed, round canopy DMNC ^{22,24} - Direct mount, new construction DMRM ^{22,24,25} - Direct mount, remodel DR ^{26,27} - Deep round canopy, driver(s) in canopy ²¹ See page 6 for details. ²² Direct/Indirect requires a remote driver. ²³ 4" long cylinders require a remote driver, or a j-box for integral drivers. See page 6 for details. ²⁴ 4" long cylinders require a remote driver. ²⁵ Single wiring entry only. No daisy chain connections allowed. ²⁶ Available with integral driver only. ²⁷ For Direct, one driver in canopy. For Direct/Indirect, 2 drivers in canopy.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne finish, specify RAL#	POWER CORD ^{28,29} BPC##IN - Black PVC WPC##IN - White PVC CF#F##IN ^{30,31,32} - Custom color fabric, consult factory ²⁸ Min 18" - max 72", specify length (##) in inches. ²⁹ Not available with Asymmetric. ³⁰ Not available with DI and SD1 dimming options. ³¹ Not available for DI fixture. ³² Specify fabric color (#).	STEM ³³ BKS##IN - Textured black stem WHS##IN - Textured white stem BKSS##IN ³⁴ - Textured black swivel stem WHSS##IN ³⁴ - Textured white swivel stem CF#S##IN ³⁵ - Custom finish stem CF#SS##IN ^{34,35} - Custom finish swivel stem ³³ Min 10" - max 72", specify length (##) in inches. ³⁴ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ³⁵ Specify RAL#.	NA - None ³⁶ To specify an ENERGY STAR certified fixture, see page 3. To specify a JAB compliant fixture, see page 4.



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DIRECT/INDIRECT, DIRECT
ENERGY STAR

LUMENWERX

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Order Guide

LUMINAIRE ID ¹	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
	D				
AE3CYP - Aera 3" Cylinder Pendant AE3CYPASY - Aera 3" 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.	ACCESSORIES	VOLTAGE
	SW		2STP			NA	
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	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	
		NA			1C
PENDANT 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm	PENDANT ASY. 10W - 10 W output, up to 1029 lm 14W - 14 W output, up to 1406 lm	NA - Not applicable	INTEGRAL DI - 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.	1C - 1 circuit

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 DI 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#.	ES - ENERGY STAR



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DIRECT/INDIRECT, DIRECT
Title 24 JA8

LUMENWERX

Project: _____

Type: _____



Order Guide

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	D				
AE3CYP - Aera 3" Cylinder Pendant AE3CYPASY - Aera 3" 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 UNV - 120V-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 10W - 10 W output, up to 1132 lm 14W - 14 W output, up to 1545 lm 12W - 12 W output, up to 725 lm	PENDANT ASY. 10W - 10 W output, up to 1029 lm 14W - 14 W output, up to 1406 lm 12W - 12 W output, up to 625 lm	NA - Not applicable	INTEGRAL D1 - 1% 0-10V ELV ⁵ - ELV 120V TRI ⁵ - TRIAC 120V ⁵ Available with 120V only. SD1 - Single 0-10V input SELV ⁵ - ELV 120V STRI ⁵ - TRIAC 120V	REMOTE ⁶ RD1 - 1% 0-10V RELV ⁷ - ELV 120V RTRI ⁷ - TRIAC 120V RLDE1 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. RSD1 - Single 0-10V input RSELV ⁷ - ELV 120V RSTRI ⁷ - TRIAC 120V	1C - 1 circuit

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 SD1 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#.	JA8 - JA8 compliant

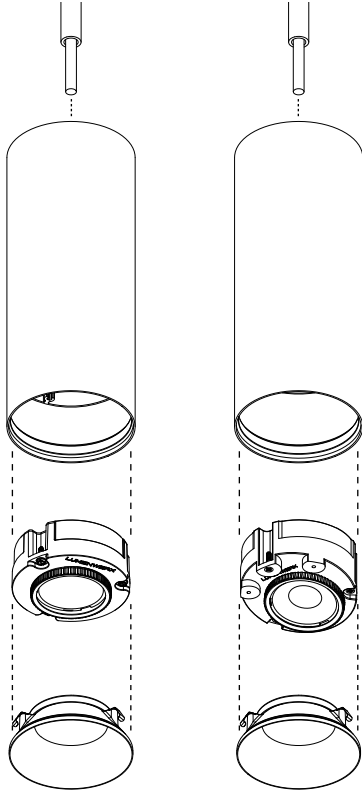


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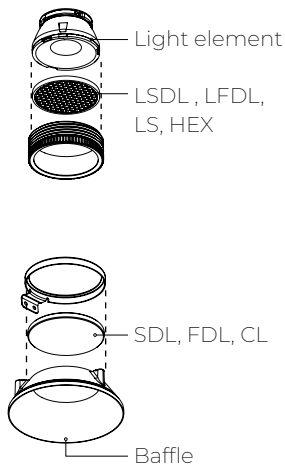
Overview



AE3CYP
Aera 3"
Cylinder
Pendant

AE3CYPASY
Aera 3"
Cylinder
Pendant
Asymmetric

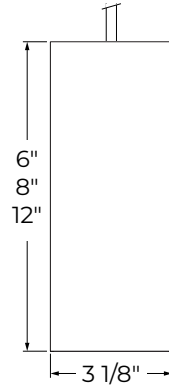
LENS AND ACCESSORIES



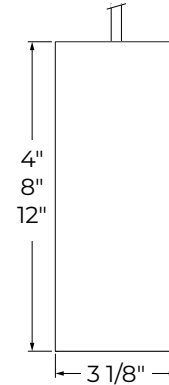
Dimensions

CYLINDER

Direct/Indirect



Direct

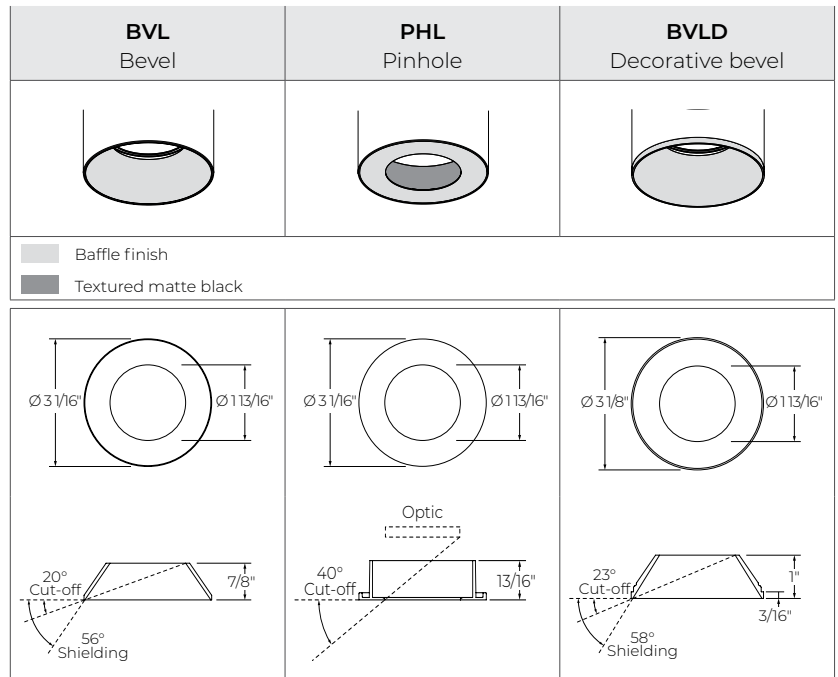


Minimum heights - Cylinder

Size	Distribution	Integral driver in cylinder	Integral driver in canopy or J-box	Remote driver
Ø3"	Direct/Indirect	NA	6"	6"
	Direct	7"	4"	4"

*Consult factory for maximum heights.

BAFFLE



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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 3 1/8" Height 2"		Ø 5 5/8" Height 1 3/8"
Suspension	Power cord, Stem, Swivel stem ¹ ¹ Not available for 4" long cylinders specified with FLR/CDR.		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

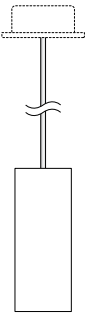
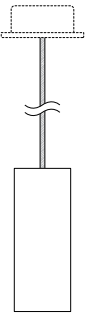
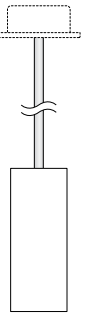
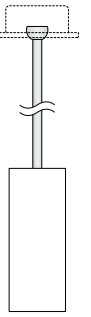
REMOTE DRIVER					
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	
Canopy type					
Distribution	Direct/Indirect Direct				
Canopy size	Ø 4 5/8" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 3 1/8" Height 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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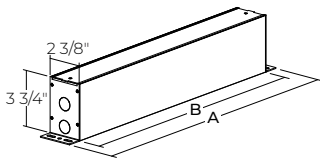
LUMENWERX

SUSPENSION

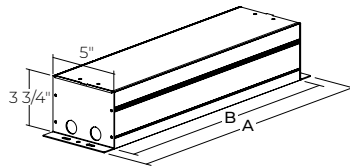
POWER CORD ¹		STEM	
PVC	Fabric ^{2,3}	Stem	Swivel stem ⁴
			
Power Cord Lengths		Stem Lengths	
Min 18" Max 72"	Min 18" Max 72"	Min 10" Max 72"	Min 10" Max 72" Max 45° tilt
¹ Not available with Asymmetric. ² Not available with DI and SDI dimming options. ³ Not available for DI fixture.		⁴ Not available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

REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



RDB24W



	RDB8	RDB18	RDB24	RDB24W
A	10"	20"	26"	26"
B	8"	18"	24"	24"
DRIVER	RDI - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V SOLA RSDI - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V	RLDEI - Lutron Hi-Lume 1% Eco RDA - DALI RELDI - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. RDI+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

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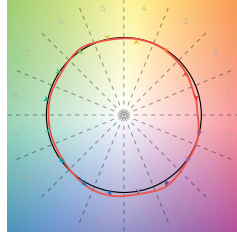
LUMENWERX

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Color Quality

COLOR QUALITY - 3500K

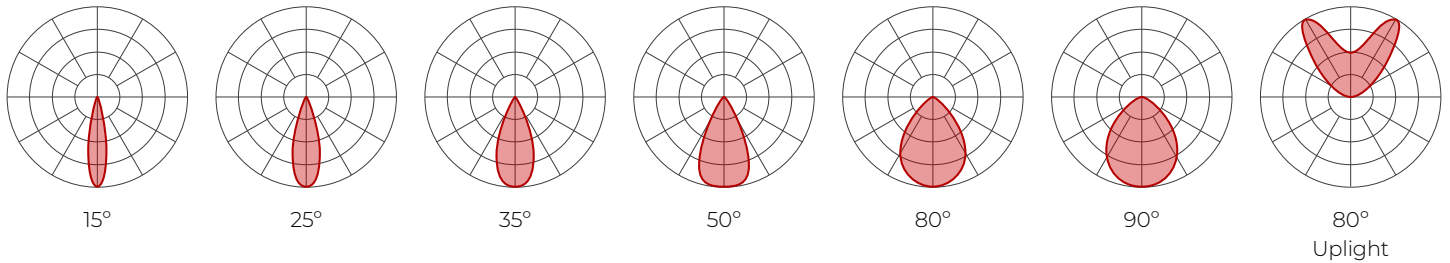
TM-30 R _r	90
TM-30 R _g	100
CRI	90
R9	> 50



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
10 W	987	1053	1058	937	843	843	683	760	811	815	721	649	649	491	1056	1127	1132	1003	902	902	683
14 W	1347	1438	1444	1280	1152	1152	877	1037	1107	1112	986	887	887	675	1441	1539	1545	1370	1233	1233	939
20 W	1861	1986	1995	1768	1591	1591	NA	1433	1529	1536	1361	1225	1225	NA	1991	2125	2135	1892	1703	1703	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
10 W	99	105	106	94	84	84	64	76	81	81	72	65	65	49	106	113	113	100	90	90	68
14 W	96	103	103	91	82	82	63	74	79	79	70	63	63	48	103	110	110	98	88	88	67
20 W	93	99	100	88	80	80	NA	72	76	77	68	61	61	NA	100	106	107	95	85	85	NA

MULTIPLIERS

CCT	BAFFLE STYLE AND COLOR	LENS * (At baffle)	ACCESSORIES * (At light element)
2700K	0.9	Bevel	SDL - Soft diffused lens, Solite 1
3000K	0.95		
3500K	1	Pinhole	CL - Clear lens 1.1
			NOL - No lens 1.1
4000K	1.05	Decorative bevel	LSL - 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 + HEX = 1.1 x 1 x 0.86 = 0.946

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

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

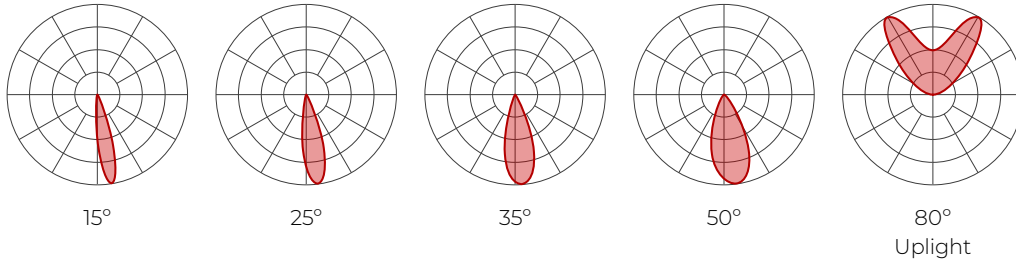
AERA 3" CYLINDER

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
10 W	855	962	952	876	683	658	741	733	675	491	914	1029	1018	937	683
14 W	1167	1314	1300	1197	877	899	1012	1001	921	675	1249	1406	1391	1280	939
20 W	1612	1815	1795	1653	NA	1241	1397	1382	1272	NA	1725	1942	1921	1768	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
10 W	85	96	95	88	64	66	74	73	67	49	91	103	102	94	68
14 W	83	94	93	85	63	64	72	71	66	48	89	100	99	91	67
20 W	81	91	90	83	NA	62	70	69	64	NA	86	97	96	88	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 3" CYLINDER

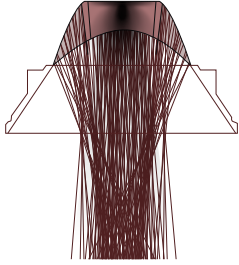
PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

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" - 1.4 lbs - 0.6 kg	4" - 1.4 lbs - 0.6 kg
8" - 1.8 lbs - 0.8 kg	8" - 2 lbs - 0.9 kg
12" - 2.3 lbs - 1 kg	12" - 2.4 lbs - 1.1 kg

BAFFLE

Die-cast aluminum

Baffle style: Bevel, pinhole, and decorative bevel

LENS AND ACCESSORIES



AERA 3" CYLINDER

PENDANT, PENDANT ASYMMETRIC
DIRECT/INDIRECT, DIRECT

LUMENWERX

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 JAB - 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.