

AERA 6" CYLINDER SURFACE



Declare.



10" Height
Bevel

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



Conduit Direct

Beam Angles



15° 25° 35° 50° 70° 80° 90°
Low UGR < 10 in 15°, 25°, 35°, and 50° beams

Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
2796 lm	20 W	140 lm/W
3764 lm	28 W	134 lm/W
5162 lm	40 W	129 lm/W
5973 lm	48 W	124 lm/W
6851 lm	56 W	122 lm/W
10551 lm	88 W	120 lm/W

¹ Lumen packages are assuming Reflector, 3500K, 80+ CRI, 35° beam, SDL lens option.

Light Source

Static White

COB

2 Step Color Binning
Up to 95+ CRI

Drivers / Protocols

1%, 0.1% Dimming Available
0-10V, TRIAC, ELV, Lutron EcoSystem, DALI
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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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH	LENS See page 3 for details
AE6CYS	D	10IN		BVL		
AE6CYS - Aera 6" Cylinder Surface	D - Direct	10IN - 10"	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BVL - Bevel	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	At baffle SDL - Soft diffused lens, Solite FDL - Frosted diffused lens CL - Clear lens HEX ¹ - Hex louver ¹ Not available with RFR optic option.

LIGHT SOURCE	OPTIC	BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	VOLTAGE
SW						
SW - Static white	TIR - TIR RFR - Reflector	TIR 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 70DEG - 70° Very wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood	REFLECTOR 15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse	80CRI - 80+ CRI 90CRI - 90+ CRI 95CRI - 95+ CRI ² Not available with 95+ CRI.	24K ² - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ² - 5000K ³ Available with RD1 driver only. Please consult factory.

WATTAGE	DIMMING ⁷	CANOPY TYPE ¹³	CANOPY FINISH Specify NA for DMNC and DMRM
20W - 20 W output, up to 2796 lm 28W - 28 W output, up to 3764 lm 40W - 40 W output, up to 5162 lm 48W - 48 W output, up to 5973 lm 56W ^{4,5} - 56 W output, up to 6851 lm 88W ^{4,5,6} - 88 W output, up to 10551 lm ⁴ Available with RFR optic option only. ⁵ Not available with integral drivers. ⁶ Available with DI/RD1 dimming options only.	INTEGRAL DI - 1% 0-10V ELV ⁸ - ELV 120V TRI ⁸ - TRIAC 120V ⁷ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁸ Available with 120V only.	REMOTE ⁹ RD1 - 1% 0-10V RELV ¹⁰ - ELV 120V RTRI ¹⁰ - TRIAC 120V RLDE1 ¹¹ - Lutron Hi-lume 1% Eco RDA ¹¹ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹² - Emergency battery ⁹ A remote driver box is provided. ¹⁰ Available with 120V only. ¹¹ On-site commissioning is required. ¹² To specify, add +EB to the selected dimming option, e.g. RD1+EB.	CDR - Conduit feed, round canopy DMNC - Direct mount, new construction DMRM ¹⁴ - Direct mount, remodel ¹³ See page 4 for details. ¹⁴ Single wiring entry only. No daisy chain connections allowed.

FTMW - Matte white
FTMB - Matte black
FCHP - Champagne
FDBZ - Dark bronze
CF# - Custom finish, specify RAL#
NA - Not applicable

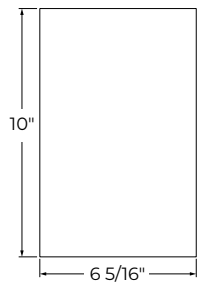
AERA 6" CYLINDER

SURFACE

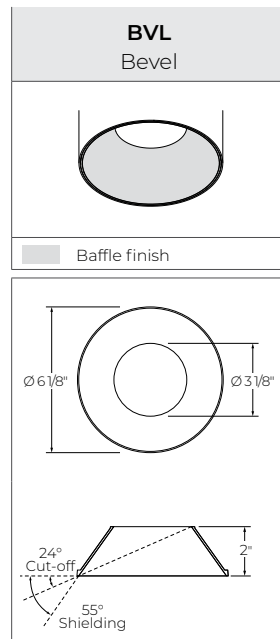


Dimensions

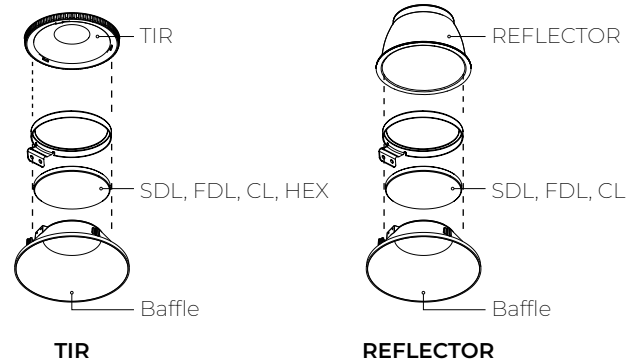
CYLINDER



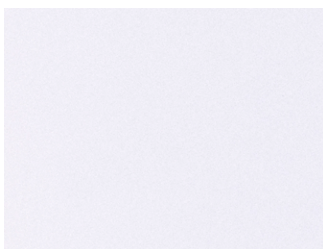
BAFFLE



Lens



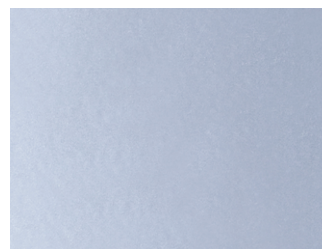
Finishes



FTMW - Matte white



FTMB - Matte black



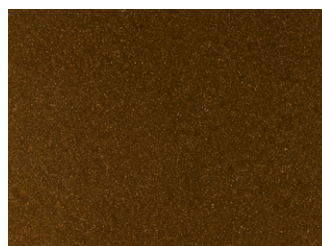
FSPC - Satin silver



FSSPC - Matte silver



FCHP - Champagne



FDBZ - Dark bronze

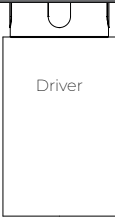
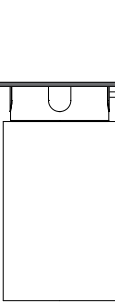
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Mounting

CANOPY

INTEGRAL DRIVER				REMOTE DRIVER			
Order code	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM * Direct mount, remodel	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM * Direct mount, remodel	DMRM * Direct mount, remodel
Canopy type							
Canopy size	Ø 5 1/2" Height 1 15/16"	NA		Ø 5 1/2" Height 1 15/16"	NA		

* Single wiring entry only. No daisy chain connections allowed.

AERA 6" CYLINDER

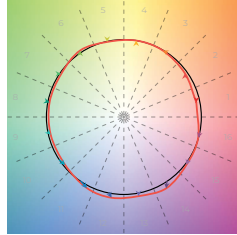
SURFACE



Color Quality

COLOR QUALITY - 3500K

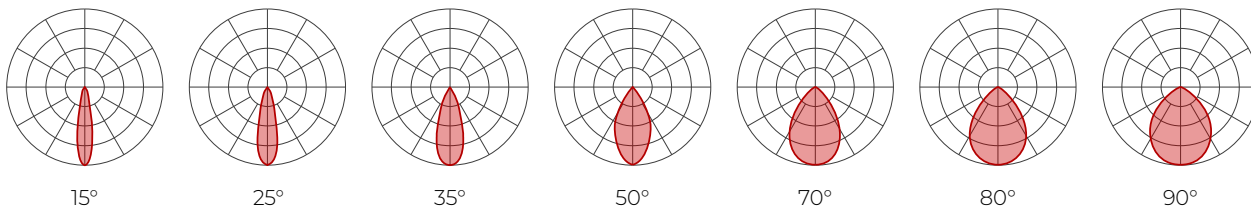
TM-30 R _r	90
TM-30 R _g	100
CRI	90+
R9	> 50



Photometrics

SURFACE - TIR

Values calculated based on 3500K and SDL lens option.



Delivered lumens (LM)

CRI	80+ CRI							90+ CRI							95+ CRI						
BEAM	15°	25°	35°	50°	70°	80°	90°	15°	25°	35°	50°	70°	80°	90°	15°	25°	35°	50°	70°	80°	90°
20 W	2311	2425	2494	2425	1991	2183	2183	2101	2205	2267	2205	1810	1984	1984	1733	1819	1870	1819	1493	1637	1637
28 W	3111	3265	3357	3265	2680	2587	2587	2828	2968	3052	2968	2436	2352	2352	2333	2449	2518	2449	2010	1940	1940
40 W	4311	4524	4652	4524	3713	3585	3585	3919	4113	4229	4113	3376	3259	3259	3233	3393	3489	3393	2785	2689	2689
48 W	4888	5130	5438	5130	4211	4065	4065	4444	4664	4944	4664	3828	3696	3696	3666	3848	4079	3848	3158	3049	3049

Efficacy (LM/W)

CRI	80+ CRI							90+ CRI							95+ CRI						
BEAM	15°	25°	35°	50°	70°	80°	90°	15°	25°	35°	50°	70°	80°	90°	15°	25°	35°	50°	70°	80°	90°
20 W	116	121	125	121	100	109	109	105	110	113	110	90	99	99	79	83	85	83	68	74	74
28 W	111	117	120	117	96	92	92	101	106	109	106	87	84	84	76	80	82	80	65	63	63
40 W	108	113	116	113	93	90	90	98	103	106	103	84	81	81	73	77	79	77	63	61	61
48 W	102	107	113	107	88	85	85	93	97	103	97	80	77	77	69	73	77	73	60	58	58

MULTIPLIERS

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

CCT		BAFFLE STYLE AND COLOR			LENS (At baffle)	
2400K	0.87	Bevel	White	1	SDL - Soft diffused lens, Solite	1
2700K	0.94		Black	0.99	FDL - Frosted lens	0.75
3000K	0.98				CL - Clear lens	1
3500K	1					
4000K	1.05					
5000K	1.05					

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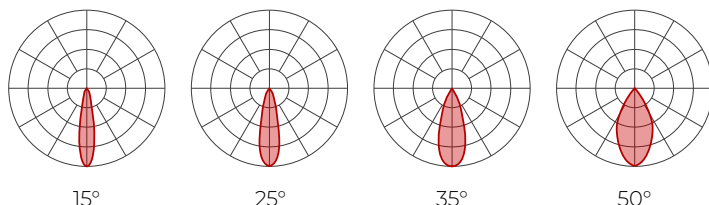
SURFACE



Photometrics

SURFACE - Reflector

Values calculated based on 3500K and SDL lens option.



Delivered lumens (LM)

CRI	80+ CRI				90+ CRI				95+ CRI			
BEAM	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
20 W	2658	2681	2796	2773	2416	2437	2542	2521	1812	1828	1906	1891
28 W	3577	3609	3764	3733	3252	3280	3422	3394	2439	2460	2566	2545
40 W	4906	4972	5162	5119	4460	4520	4693	4654	3345	3390	3520	3491
48 W	5653	5706	5973	5919	5139	5187	5430	5381	3854	3891	4072	4036
56 W	6511	6568	6851	6794	5919	5970	6228	6176	4439	4478	4671	4632
88 W	10028	10163	10551	10464	9116	9239	9592	9513	6837	6929	7194	7135

Efficacy (LM/W)

CRI	80+ CRI				90+ CRI				95+ CRI			
BEAM	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
20 W	133	134	140	139	121	122	127	126	91	91	95	95
28 W	128	129	134	133	116	117	122	121	87	88	92	91
40 W	123	124	129	128	112	113	117	116	84	85	88	87
48 W	118	119	124	123	107	108	113	112	80	81	85	84
56 W	116	117	122	121	106	107	111	110	79	80	83	83
88 W	114	115	120	119	104	105	109	108	78	79	82	81

MULTIPLIERS

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

CCT		BAFFLE STYLE AND COLOR			LENS (At baffle)	
2400K	0.87	Bevel	White	1	SDL - Soft diffused lens, Solite	1
2700K	0.94		Black	0.99	FDL - Frosted lens	0.75
3000K	0.98				CL - Clear lens	1
3500K	1					
4000K	1.05					
5000K	1.05					

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Technical Specifications

LIGHT SOURCE

Compact COB (Chip-On-Board) LED module, available in 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.

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, eidoLED 0.1% SOLOdrive 0-10V, eidoLED 1% ECOdrive 0-10V

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

Canopy: Conduit feed and direct

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

WEIGHT

6.9 lbs - 3.14 kg

LENS



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.

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.