WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT



Project:

Туре:

LUMENWERX

8" Height

8" Height **Decorative Bevel**



Direct Indirect

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.

Beam Angles



Performance

LUMEN OUTPUT 1	WATTS	EFFICACY
1481 lm	14 W	106 lm/W
2066 lm	20 W	103 lm/W
2775 lm	28 W	99 lm/W
¹ Lumen packages are assi	uming 3500K, 80 CR	I, 35° beam, bevel baffle,
SDL lens option.		

Light Source

Static White 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)**

Certification

Mounting Options

Distributions

Direct Indirect Direct

Direct

/Indirect



Flat

Aera Family (Refer to other spec sheets) Downlight



Round / Square Round / Square Recessed Adjustable Recessed



Round / Square Recessed Wall Wash





Recessed Adjustable





Round / Square Recessed Wall Wash

Cylinder





Pendant Wall Wash





Pendant Asymmetric Wall Asymmetric



Surface Surface Asymmetric Surface Wall Wash





WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

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Project:		
_	-	
Type:		



Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT 1		CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE4CYW - Aera 4" Cylinder Wall AE4CYWASY - Aera 4" Cylinder Wall Asymmetric	DI - Direct/ Indirect D - Direct I - Indirect	DIRECT/INDIRECT 8IN ² - 8" 12IN ² - 12" 14IN - 14"	DIRECT OR INDIRECT 6IN ² - 6" 8IN - 8" 12IN - 12"	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne	BVL - Bevel PHL - Pinhole BVLD - Decorative bevel	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne
		¹ For minimum heights, see dime ² Available with remote driver on		CF# - Custom finish, specify RAL#		CF# - Custom finish, specify RAL#

LENS * See page 4 for details	LIGHT SOURCE	DIRECT BEAM Specify NA for Indirect	INDIRECT BEAM Specify NA for Direct	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORIES * 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 SOLA - Dim- to-warm single channel control 35K to 22K DUO - Tunable white 2-channel	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG ³ - 80° Very wide flood 90DEG ³ - 90° Open flood NA - Not applicable ³ Not available with Asymmetric.	15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood 80DEG - 80° Very wide flood 90DEG - 90° Open flood NA - Not applicable *Not available with Asymmetric.	2STP 5 - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse 5 Not available with full spectrum.	90CRI 6 - 90 CRI 95CRI - 95 CRI 80CRI 6 - 80 CRI 6Not available with full spectrum.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA - Dim- to-warm single channel control 35K to 22K DUO -	At light element 7.8 (choose up to 2 options) LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LS - Linear spread HEX - Hex louver NA - None 7 If two options are specified,
	control 65K to 27K	50DEG - 50° Wide flood NA - Not applicable	50DEG - 50° Wide flood NA - Not applicable	3STP - 3 Step MacAdam Ellipse	90CRI - 90 CRI	Tunable white 2-channel control 65K to 27K	separate codes with a "+", e.g. LSDL+HEX. LSDL and LFDL cannot be combined. LS and HEX cannot be combined.

^{*} 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.

VOLTAGE	DIRECT WATTAGE ¹⁰ Specify NA for Indirect		INDIRECT WATTAGE Specify NA for Direct	: 13	DIMMING ¹⁶		
120V - 120V	WALL	WALL ASY.	WALL	WALL ASY.	INTEGRAL	REMOTE 18	
277V - 277V UNV - 120V-277V 347V ⁹ - 347V ⁹ Available with RD1 driver only. Please consult factory.	14W - 14 W output, up to 1538 Im 20W- 20 W output, up to 2146 Im 28W ^{11,12} - 28 W output, up to 2882 Im NA - Not a ¹⁰ Lumen outputs are reduc consult factory. "Not available for a Direct/li	ndirect fixture.	14W - 14 W output, up to 1538 lm 20W- 20 W output, up to 2146 lm 28W ^{16,15} - 28 W output, up to 2882 lm NA - Not a ¹³ Lumen outputs are reduc- consult factory. ¹⁴ Not available for a Direct/ ¹⁵ Not available with full spe	ndirect fixture.	D1 - 1% 0-10V ELV ¹⁷ - ELV 120V TRI ¹⁷ - TRIAC 120V S POE (Power-over-Ethernet) compatible. Consult factory for details. Available with 120V only.	RD1 - 1% 0-10V RELV ¹⁹ - ELV 120V RTRI ¹⁹ - TRIAC 120V ¹⁸ A remote driver box is provided, see page 5 for details. ¹⁹ Available with 120V only.	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. ² For emergency battery, code will be like the following example: RD1+EB.
	SOLA 25W - 25 W output, up to 1400 lm DUO 19W - 19 W output, up to 1100 lm	SOLA 25W - 25 W output, up to 1100 lm DUO 19W - 19 W output, up to 900 lm applicable	SOLA 25W - 25 W output, up to 1400 lm DUO 19W - 19 W output, up to 1100 lm	SOLA 25W - 25 W output, up to 1100 lm DUO 19W - 19 W output, up to 900 lm applicable	SOLA SD1 - Single 0-10V input SELV ** - ELV 120V STRI ** - TRIAC 120V	SOLA RSD1 - Single 0-10V input RSELV ¹⁹ - ELV 120V RSTRI ¹⁹ - TRIAC 120V	DUO RDMX ²⁰ - DMX RDDA ²⁰ - DALI DT6 RDDA8 ²⁰ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 ²⁰ - Lutron T-Series 1% tunable white

ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH ²³	OPTION ²⁴
			NA
1C - 1 circuit 2C ²² - 2 circuits	FLS - Flat square canopy, 4" octagonal junction box	FTMW - Textured matte white FTMB - Textured matte black	NA - None
²² Available with Direct/Indirect and remote driver only.	DM - Direct mount	FCHP - Champagne CF# - Custom finish, specify RAL#	²⁴ To specify a JA8 compliant fixture, see page 3.
		²³ Direct mount finish matches cylinder finish.	





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

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Project:				
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LUMENWERX



Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT 1	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE4CYW - Aera 4" Cylinder Wall AE4CYWASY - Aera 4" Cylinder Wall Asymmetric	D - Direct I - Indirect	6IN ² - 6" 8IN - 8" 12IN - 12" 14IN - 14" ¹ For minimum heights, see dimensions on page 4. ² Available with remote driver only.	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#

Туре:

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

 $^{^{\}ast}$ LSDL or LFDL at light element cannot be combined with SDL, FDL, or CL at baffle.

VOLTAGE	DIRECT WATTAGE Specify NA for Indirect		INDIRECT WATTAG Specify NA for Direct	GE	DIMMING	
120V - 120V	WALL	WALL ASY.	WALL	WALL ASY.	INTEGRAL	REMOTE 6
277V - 277V UNV - 120V-277V	14W - 14 W output, up to 1538 lm	14W - 14 W output, up to 1119 lm	14W - 14 W output, up to 1538 lm	14W - 14 W output, up to 1119 lm	D1 - 1% 0-10V ELV ⁵ - ELV 120V	RD1 - 1% 0-10V RELV 7 - ELV 120V
	NA - Not a	applicable	NA - Not a	applicable	TRI ⁵ - TRIAC 120V ⁵ Available with 120V only.	RTRI 7 - TRIAC 120V RLDE1 8 - Lutron Hi-lume 1% Eco
						 A remote driver box is provided, see page 5 for details. Available with 120V only. On-site commissioning is required.

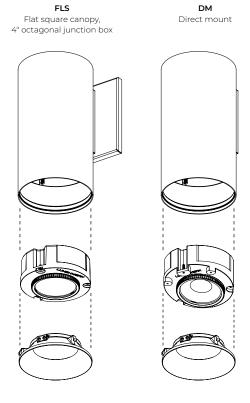
ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH®	OPTION
1C			JA8
1C - 1 circuit	FLS - Flat square canopy, 4" octagonal junction box DM - Direct mount	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# Direct mount finish matches cylinder finish.	JA8 - JA8 compliant



LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

Overview



Cylinder Wall

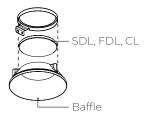
AE4CYW

Aera 4"

AE4CYWASY Aera 4" Cylinder Wall Asymmetric

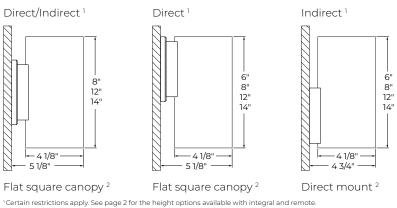
LENS AND ACCESSORIES





Dimensions

CYLINDER



Minimum heights - Cylinder

Size	Distribution	Dir	ect	Asymmetric			
		Integral driver	Remote driver	Integral driver	Remote driver		
0/1	Direct/Indirect	14"	8"	14"	8"		
Ø4"	Direct or Indirect	8"	6"	8"	6"		

^{*}Consult factory for maximum heights.

BAFFLE

BVL Bevel	PHL Pinhole	BVLD Decorative bevel
Baffle finish Textured matte black		
Ø 4 1/16" Ø 2 1/2"	Ø 4 1/16° Ø 2°	Ø 4 V8" Ø 2 V2"
Cut-off 7/8" 49° Shielding	Optic	Cut-off 1" 3/16" Shielding

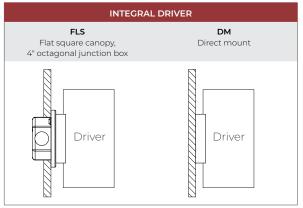


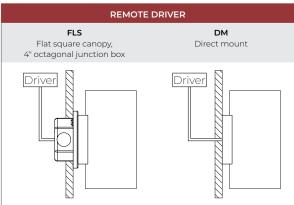
² Flat square canopy and direct mount options are available with all Direct/Indirect, Direct and Indirect.

LUMENWERX

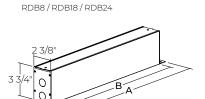
WALL, WALL ASYMMETRIC
DIRECT/INDIRECT, DIRECT, INDIRECT

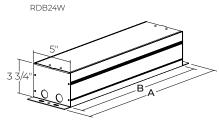
Mounting





REMOTE DRIVER BOX





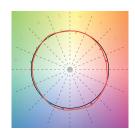
	RDB8	RDB18	RDB24	RDB24W
Α	10"	20"	26"	26"
В	8"	18"	24"	24"
DRIVER	RD1 - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V	RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. RDI+EB - 1% 0-10V RELV+EB - ELV 120V RTRI+EB - TRIAC 120V	Emergency battery (+EB) with the following driver options. RLDE1+EB - Lutron Hi-lume 1% Eco RDA+EB - DALI RELD1+EB - eldoLED 1%
	SOLA RSD1 - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V		RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 - Lutron T-Series 1% tunable white	ECOdrive 0-10V RELD0+EB - eldoLED 0.1% SOLOdrive 0-10V

LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

Color Quality

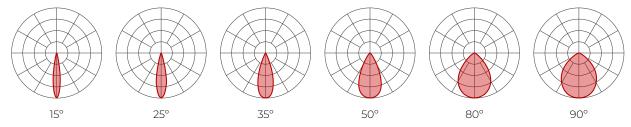
COLOR QUALITY - 3500K TM-30 R_f TM-30 Ra 100 CRI 90 R9 > 50



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. Performance values apply to both Direct and Indirect.

WALL



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	15	25	35	50	80	90	15	25	35	50	80	90
14 W	1399	1437	1384	1356	1220	1220	1077	1106	1066	1044	940	940	1497	1538	1481	1451	1306	1306
20 W	1952	2006	1931	1893	1704	1704	1503	1545	1487	1458	1312	1312	2089	2146	2066	2026	1823	1823
28 W	2621	2693	2593	2541	2287	2287	2018	2074	1997	1957	1761	1761	2804	2882	2775	2719	2447	2447

Efficacy Based on Delivered Lumens

CRI	90 CRI						95 CRI					80 CRI						
BEAM	15	25	35	50	80	90	15	25	35	50	80	90	15	25	35	50	80	90
14 W	100	103	99	97	87	87	77	79	76	75	67	67	107	110	106	104	93	93
20 W	98	100	97	95	85	85	75	77	74	73	66	66	104	107	103	101	91	91
28 W	94	96	93	91	82	82	72	74	71	70	63	63	100	103	99	97	87	87

MULTIPLIERS

MULTIP	PLIERS								DIRECT/INDIRECT - EFFICACY CALCULATION		
ССТ	CCT BAFFLE STYLE AND COLOR)	For Direct/Indirect performance values, follow the formula.			
2700K 3000K	0.9 0.95	Bevel	White Black	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite LFDL - Frosted lens	1	(DIRECT + INDIRECT) = FFFICACY		
3500K	1		White	0.92	FDL - Frosted lens			0.8	DIRECT + INDIRECT \		
4000K	1.05	Pinhole	Black	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84	WATTAGE ' WATTAGE)		
For SOLA	and DUO	Decorative	White	1	NOL - No lens	1.1	HEX - Hex louver	0.86			
please cor factory.	nsult	bevel	Black	*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							

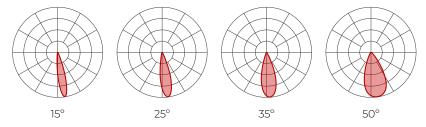


LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT, baffle styles, baffle colors, lensing and accessories will change the lumen value. Performance values apply to both Direct and Indirect.

WALL ASYMMETRIC



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

CRI		90	CRI			95	CRI		80 CRI				
BEAM	15	25	35	50	15	25	35	50	15	25	35	50	
14 W	977	1025	1018	1046	752	789	784	805	1045	1097	1089	1119	
20 W	1556	1632	1621	1665	1198	1257	1248	1282	1665	1746	1734	1782	
28 W	2089	2191	2176	2236	1609	1687	1676	1722	2235	2344	2328	2393	

Efficacy Based on Delivered Lumens

CRI		90	CRI			95	CRI		80 CRI				
BEAM	15	25	35	50	15	25	35	50	15	25	35	50	
14 W	70	73	73	75	54	56	56	58	75	78	78	80	
20 W	78	82	81	83	60	63	62	64	83	87	87	89	
28 W	75	78	78	80	57	60	60	61	80	84	83	85	

MULTIPLIERS

ССТ		BAFFLE STYLE	ND COLOR		LENS * (At baffle)		ACCESSORIES * (At light element)			
2700K	0.9	Barri	White	1	SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1		
3000K	0.95	Bevel	Black	1	FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8		
3500K	1	Dialecte	White	0.92	CL - Clear lens	1.1	LS - Linear spread	0.84		
4000K	1.05	Pinhole	Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86		
For SOLA and DUO,		December 15 miles	White	1	*When more than one lens or accessory is specified,					
please consult factory.		Decorative bevel	Black	1	multiply together the value of ea e.g. NOL + LSDL + HEX = 1.1 x 1 x 0		accessory.			

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.



LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

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.

FI FCTRICAL

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-lon 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: Extruded aluminum

Canopy: Flat and direct

Arm: Machined aluminum

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

Heat sink: Die-cast aluminum.

finishes are also available for Baffle.

WEIGHT

Direct/Indirect	Direct or Indirect
8" - 3.5 lbs - 1.6 kg 14" - 5 lbs - 2.3 kg	6" - 2.3 lbs - 1 kg 8" - 2.9 lbs - 1.3 kg 12" - 3.4 lbs - 1.5 kg



LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

BAFFLE

Die-cast aluminum

Baffle style: Bevel, pinhole, and decorative bevel

LENS AND ACCESSORIES



lens. Solite



diffused 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. **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.

