WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT



Project:

Туре:

8" Height 8" Height 12" Height esthetic, Aera Cylinder luminaires are high-performance fixtures, delivering visually comfortable lighting suitable Pinhole for a wide range of applications. Beam Angles Low UGR < 10 in 15°, 25°, 35°, and 50° beams Performance Distributions Lumen package SDL lens option **Light Source** Static White Full Spectrum Direct Indirect Direct Direct Indirect SOLA - Dim-to-Warm /Indirect /Indirect **DUO - Tunable White Mounting Options** COB 2 Step Color Binning Up to 95 CRI Flat Direct Certification Driver 1%, 0.1% Dimming Available JA8 0-10V, TRIAC, ELV, Lutron EcoSystem, DALI, DMX

Aera Family (Refer to other spec sheets) Downlight

















Recessed Wall Wash

Cylinder



Emergency Battery (optional)





Wall Pendant Asymmetric Wall Asymmetric



2"/3"/4"/5" Surface Surface Asymmetric Surface Wall Wash







WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

	U	M	E	N	W	/E	R	X
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Project:		
Type:		



To specify a Title 24 JA8 compliant fixture, see page 3.

Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT ¹	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2CYW - Aera 2" Cylinder Wall AE2CYWASY - Aera 2" Cylinder Wall Asymmetric	DI - Direct/Indirect D - Direct I - Indirect	GIN ^{2,3} - 6" 8IN ² - 8" 12IN - 12" For actual heights and minimum heights, see dimensions on page 4. 2 For DI fixture, available with remote driver only. 3 For Wall asymmetric with Direct or Indirect fixture, not available with integral driver.	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 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 I 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 4 - 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 NA - Not applicable *Not available with full spectrum. *Not available with Asymmetric.	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 NA - Not applicable ⁶ Not available with full spectrum. ⁷ Not available with Asymmetric.	2STP ⁸ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁸ Not available with full spectrum.	90CRI 9 - 90 CRI 95CRI - 95 CRI 80CRI 9 - 80 CRI 9 Not available with full spectrum.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K SOLA - Dim- to-warm single channel control 35K to 22K DUO - Tunable white 2-channel	At light element 10,11 (choose up to 2 options) LSDL - Soft diffused lens Solite LFDL - Frosted diffused lens LS - Linear spread HEX - Hex louver NA - None 10 If two options are specified separate codes with a "+", e.g. LSDL+HEX
		50DEG - 50° Wide flood NA - Not applicable	50DEG - 50° Wide flood NA - Not applicable	3STP - 3 Step MacAdam Ellipse	90CRI - 90 CRI	control 65K to 27K	"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 Specify NA for Indirect	13	INDIRECT WATTAG Specify NA for Direct	iE ¹⁵	DIMMING 18		
120V - 120V 277V - 277V UNV - 120V-277V 347V 12 - 347V 12 Available with RDI driver only. Please consult factory.	WALL 7W-7 W output, up to 560 Im 10W 14 - 10 W output, up to 736 Im NA - Not: 13 Lumen outputs are reducensult factory. 14 Not available for a Direct SOLA 8W - 8 W output, up to 250 Im	applicable uced with full spectrum,	WALL 7W-7 W output, up to 560 Im 10W 16 - 10 W output, up to 736 Im NA - Not a 15 Lumen outputs are reduconsult factory. 16 Not available for a Direct SOLA 17 8W - 8 W output, up to 250 Im	output, up to 689 lm applicable uced with full spectrum,	INTEGRAL D1 - 1% 0-10V ELV ¹⁹ - ELV 120V TRI ¹⁹ - TRIAC 120V ¹⁰ POE (Powerover-Ethernet) compatible. Consult factory for details. ¹⁹ Available with 120V only.	REMOTE ²⁰ RD1 - 1% 0-10V RELV ²¹ - ELV 120V RTRI ²¹ - TRIAC 120V ²⁰ A remote driver box is provided, see page 5 for details. ²¹ Available with 120V only.	RLDE1 ²² - Lutron Hi-lume 1% Eco RDA ²² - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ²³ - Emergency battery ²² On-site commissioning is required. ²³ For emergency battery, code will be like the following example:
	DUO 7W - 7 W output, up to 200 lm	DUO 7W - 7 W output, up to 180 lm applicable	DUO 17 7W - 7 W output, up to 200 lm 7 For a Direct/Indirect fixt consult factory. NA - Not a	DUO ¹⁷ 7W - 7 W output, up to 180 lm ure for SOLA/DUO,	SOLA SDI - Single 0-10V input SELV ¹⁹ - ELV 120V STRI ¹⁹ - TRIAC 120V	SOLA RSD1 - Single 0-10V input RSELV ²¹ - ELV 120V RSTRI ²¹ - TRIAC 120V	RD1+EB. DUO RDMX *2 - DMX RDDA *2 - DALI DT6 RDDA8 *2 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQ0 *2 - Lutron T-Series 1% tunable white

ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH 25	OPTION ²⁶
			NA
1C - 1 circuit	FLS - Flat square canopy, 4" octagonal	FTMW - Textured matte white	NA - None
2C ²⁴ - 2 circuits	junction box	FTMB - Textured matte black	
	DM - Direct mount	FCHP - Champagne	²⁶ To specify a JA8 compliant fixture, see
²⁴ Available with Direct/Indirect and remote driver only.		CF# - Custom finish, specify RAL#	page 3.
		²⁵ Direct wall mount finish matches cylinder finish.	





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

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LUMENWERY



Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT ¹	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2CYW - Aera 2" Cylinder Wall AE2CYWASY - Aera 2" Cylinder Wall Asymmetric	D - Direct I - Indirect	6IN ² - 6" 8IN - 8" 12IN - 12" ¹ For actual heights and minimum heights, see dimensions on page 4. ² For Wall asymmetric with Direct or Indirect fixture, not available with integral driver.	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#

Projec

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
					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
	SOLA - Dim- to-warm single channel control 35K to 22K	50DEG - 50° Wide flood NA - Not applicable	50DEG - 50° Wide flood NA - Not applicable	3STP - 3 Step MacAdam Ellipse		SOLA - Dim- to-warm single channel control 35K to 22K	

^{*}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.

VOLTAGE	DIRECT WATTAG Specify NA for Indirect		INDIRECT WATTA Specify NA for Direct		DIMMING		
120V - 120V	WALL	WALL ASY.	WALL	WALL ASY.	INTEGRAL	REMOTE 6	
277V - 277V	7W - 7 W output, up to 560 lm	7W - 7 W output, up to 511 lm	7W - 7 W output, up to 560 lm	7W - 7 W output, up to 511 lm	D1 - 1% 0-10V ELV 5 - ELV 120V	RD1 - 1% 0-10V RELV 7 - ELV 120V	
	NA - Not applicable		NA - Not applicable		TRI ⁵ - TRIAC 120V	RTRI 7 - TRIAC 120V RLDE1 8 - Lutron Hi-lume 1% Eco	
	8W - 8 W output, up to 250 lm	8W - 8 W output, up to 200 lm	8W - 8 W output, up to 250 lm	8W - 8 W output, up to 200 lm	^s Available with 120V only.	⁶ A remote driver box is provided, see page 5 for details.	
	NA - Not applicable		NA - Not applicable			⁷ Available with 120V only. ⁸ On-site commissioning is required.	
					SD1 - Single 0-10V input SELV ⁵ - ELV 120V STRI ⁵ - TRIAC 120V	RSD1 - Single 0-10V input RSELV 7 - ELV 120V RSTRI 7 - TRIAC 120V	

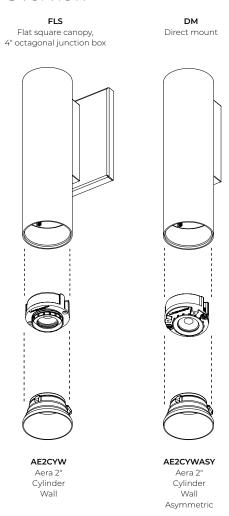
ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH 9	OPTION
1C			JA8
1C - 1 circuit	FLS - Flat square canopy, 4" octagonal junction box DM - Direct mount	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# Direct mount finish matches cylinder finish.	JA8 - JA8 compliant



LUMENWERX

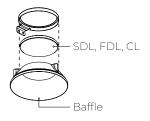
WALL, WALL ASYMMETRIC
DIRECT/INDIRECT, DIRECT, INDIRECT

Overview



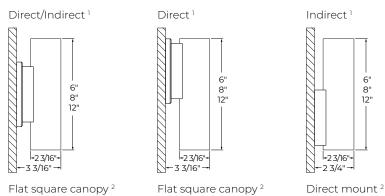
LENS AND ACCESSORIES





Dimensions

CYLINDER



¹Certain restrictions apply. See page 2 for the height options available with integral and remote.

Minimum heights - Cylinder

Size	Distribution	Direct		Asymmetric	
		Integral driver	Remote driver	Integral driver	Remote driver
of 211	Direct/Indirect	12"	6"	12"	6"
Ø2"	Direct or Indirect	6"	6"	8"	6"

PHL

BVL

BAFFLE

Bevel	Pinhole	Decorative bevel
Baffle finish Textured matte black		
Ø 2 1/16" Ø 1 3/8"	Ø21/16" Ø11/4"	Ø 2 3/16" Ø 1 3/8"
Cut-off 7/8" 7/8" 7/8" Shielding	Optic Cut-off 7/8"	Cut-off 1" Cut-off 59° Shielding



BVLD

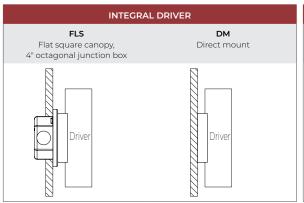
² Flat square canopy and direct mount options are available with all Direct/Indirect, Direct and Indirect.

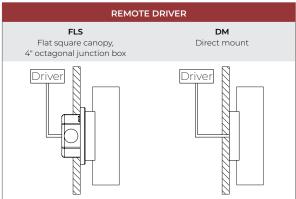
^{*}Consult factory for maximum heights.

LUMENWERX

WALL, WALL ASYMMETRIC DIRECT/INDIRECT, DIRECT, INDIRECT

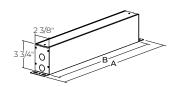
Mounting

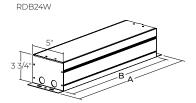




REMOTE DRIVER BOX

RDB8/RDB18/RDB24





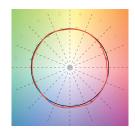
	RDB8	RDB18	RDB24	RDB24W
Α	10"	20"	26"	26"
В	8"	18"	24"	24"
DRIVER	RDI - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V	RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. RD1+EB - 1% 0-10V 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	35000 STOV	DUO 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

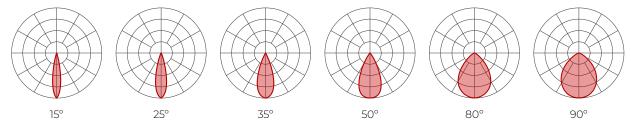
TM-30 Rf 91 TM-30 Rg 100 CRI 90 R9 > 50



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
7 W	479	523	516	495	446	446	369	403	397	381	343	343	513	560	552	530	477	477
10 W	629	688	679	651	586	586	484	530	523	501	451	451	673	736	727	697	627	627

Efficacy Based on Delivered Lumens

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

MULTIPLIERS

сст		BAFFLE STYLE AND COLOR							
2700K	0.9	David.	White	1					
3000K	0.95	Bevel	Black	1					
3500K	1	Pinhole	White	0.92					
4000K	1.05	Pinnole	Black	0.92	ľ				
For SOLA	,	Decorative	White	1					
please cor factory.	nsult	bevel	Black	1	Î				

LENS * (At baffle)		ACCESSORIES * (At light element)	
SDL - Soft diffused lens, Solite	1	LSDL - Soft diffused lens, Solite	1
FDL - Frosted lens	0.8	LFDL - Frosted lens	0.8
CL - Clear lens	1.1	LS - Linear spread	0.84
NOL - No lens	1.1	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 = $1.1 \times 1 \times 0.86 = 0.946$

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

DIRECT DELIVERED LM	+	INDIRECT DELIVERED LM)	= FFFICACY
DIRECT WATTAGE	+	INDIRECT WATTAGE)	- Ellicaci



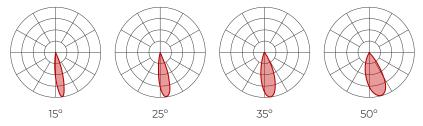


LUMENWERX

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
7 W	445	461	478	410	343	355	368	316	476	493	511	439
10 W	599	621	644	552	461	478	496	425	641	664	689	591

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
7 W	64	66	68	59	49	51	53	45	68	70	73	63
10 W	60	62	64	55	46	48	50	43	64	66	69	59

MULTIPLIERS

сст		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	Devel	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	Pinnole	Black	0.92	NOL - No lens	1.1	HEX - Hex louver	0.86			
For SOLA and DUO,		5	White	1	* When more than one lens or acc	,	•				
please consult facto	ry.	Decorative bevel	Black	1		multiply together the value of each lens and/or accessory. e.g. NOL + LSDL + HEX = $1.1 \times 1 \times 0.86 = 0.946$					

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 finishes are also available for Baffle.

Heat sink: Die-cast aluminum.

WEIGHT

Direct/Indirect	Direct or Indirect
6" - 1 lbs - 0.5 kg	8" - 1.2 lbs - 0.6 kg
12" - 1.8 lbs - 0.8 kg	12" - 1.5 lbs - 0.7 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.



