

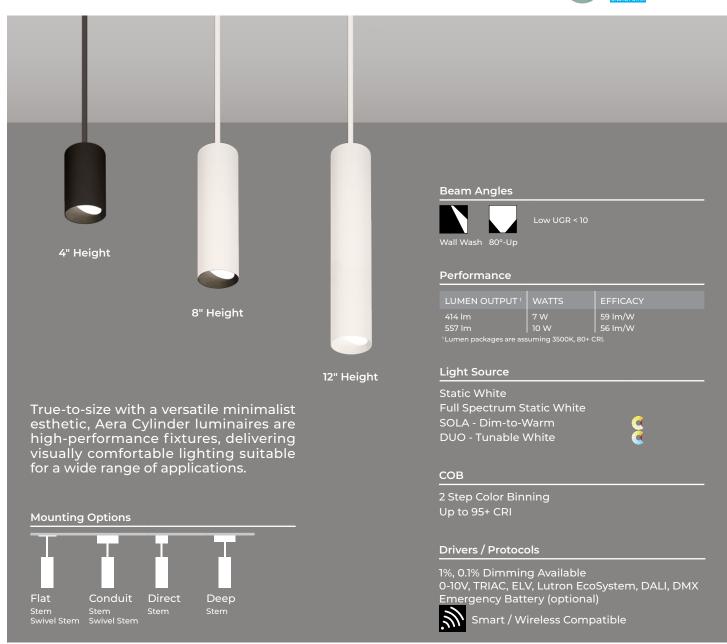
PENDANT WALL WASH DIRECT/INDIRECT, DIRECT











Aera Family (Refer to other spec sheets) Downlight



Round / Square Round / Square Recessed Adjustable Recessed



Round / Square Recessed Wall Wash

Multi-aperture







Round / Square



Round / Square Recessed Wall Wash

Cylinder







2"/3"/4"/5" Wall Pendant Asymmetric Wall Asymmetric



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









Lumenwerx

PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Project:

Type:



For an ENERGY STAR® certified fixture, see page 3. For a Title 24 JA8 compliant fixture, see page 4.

Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT		CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2CYPWW					ww	
AE2CYPWW - DI - Aera 2" Cylinder Dire	DI - Direct/Indirect D - Direct	DIRECT/INDIRECT ² 6IN - 6" 8IN - 8" 12IN - 12" CH#IN ⁴ - Custom height	DIRECT 4IN 3 - 4" 8IN - 8" 12IN - 12"	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#		FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze
Pendant Asymmetric also available. Consult other spec sheet.		² Only available with DR canopy option wh	options when specified with integral drivers.			CF# - Custom finish, specify RAL#

LENS	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	VOLTAGE
ww		ww				
WW - Wall wash diffuser	SW - Static white FS - Full spectrum static white	ww - Wall wash	2STP ⁵ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁵ Not available with full spectrum.	80CRI ⁶ - 80+ CRI 90CRI ⁶ - 90+ CRI 95CRI - 95+ CRI ⁶ Not available with full spectrum.	24K 7 - 2400K 35K - 3500K 27K - 2700K 40K - 4000K 30K - 3000K 50K 7 - 5000K	120V - 120V 277V - 277V UNV - 120V-277V 347V ⁸ - 347V
	SOLA - Dim-to- warm single channel control DUO - Tunable white 2-channel control		3STP - 3 Step MacAdam Ellipse	90CRI - 90+ CRI	SOLA 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K DUO 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K	[®] Available with RD1 driver only. Please consult factory.

DIRECT WATTAGE 9	INDIRECT WATTAGE ¹¹ Specify NA for Direct or SOLA	DIMMING 12			ELECTRICAL
7W - 7 W output,	7W - 7 W output,	INTEGRAL	REMOTE 14		1C - 1 circuit
up to 414 Im 10W ¹⁰ - 10 W output, up to 557 Im Sumen outputs are reduced with full spectrum, consult factory. Not available for a Direct/Indirect fixture.	up to 293 lm NA - Not applicable **Lumen outputs are reduced with full spectrum, consult factory.	D1 - 1% 0-10V ELV ¹³ - ELV 120V TRI ¹³ - TRIAC 120V ¹² POE (Power-over-Ethernet) compatible. Consult factory for details. ¹³ Available with 120V only.	RD1 - 1% 0-10V RELV 15 - ELV 120V RTRI 15 - TRIAC 120V RLDE1 16 - Lutron Hi-lume 1% Eco 14 A remote driver box is provided. 15 Available with 120V only. 16 On-site commissioning is required. 17 To specify, add +EB to the selected dim	3 3	2C 18 - 2 circuits 18 Available with Direct/Indirect only.
SOLA 10W ¹⁰ - 10 W output, up to 415 lm DUO 8W - 8 W output, up to 370 lm	SOLA NA - Not applicable DUO 8W - 8 W output, up to 500 lm	SOLA SD1 - Single 0-10V input SELV ¹³ - ELV 120V STRI ¹⁵ - TRIAC 120V	SOLA RSD1 - Single 0-10V input RSELV ¹⁵ - ELV 120V RSTRI ¹⁵ - TRIAC 120V	DUO RDMX ¹⁶ - DMX RDDA ¹⁶ - DALI DT6 RDDA8 ¹⁶ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RLD2 ¹⁶ - Lutron DALI-2 digital +EB ¹⁷ - Emergency battery	

CANOPY TYPE 19	CANOPY FINISH	SUSPENSION 25	OPTION ²⁸
			NA
FLR ^{20, 21} - Flat round canopy, 4" octagonal junction box CDR ^{20, 21} - Conduit feed, round canopy DMNC ^{20, 22} - Direct mount, new construction DMRM ^{20, 22, 23} - Direct mount, remodel DR ²⁴ - Deep round canopy, driver(s) in canopy	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish.	BKS##IN - Matte black stem WHS##IN - Matte white stem BKS\$##IN ²⁶ - Matte black swivel stem WHSS##IN ²⁶ - Matte white swivel stem CF#S##IN ²⁷ - Custom finish stem	NA - None 28 To specify an ENERGY STAR certified
 See page 6 for details. Direct/Indirect requires a remote driver. For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. 4" long cylinders require a remote driver. Single wiring entry only. No daisy chain connections allowed. Can accommodate up to 2 drivers. 	specify RAL#	CF#SS##IN ^{26,27} - Custom finish swivel stem ²⁶ Min 10" - max 72", specify length (##) in inches. ²⁶ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ²⁷ Specify RAL#.	fixture, see page 3. To specify a JA8 compliant fixture, see page 4.





PENDANT WALL WASH DIRECT/INDIRECT, DIRECT ENERGY STAR

	Lum	enwe	erx
Project:			



Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2CYPWW	D			ww	
AE2CYPWW - Aera 2" Cylinder Pendant Wall Wash ¹Pendant (direct) and Pendant Asymmetric 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 - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	WW - Wall wash	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#

Туре:

LENS	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	VOLTAGE
ww	sw	ww	2STP			
WW - Wall wash diffuser	SW - Static white	WW - Wall wash	2STP - 2 Step MacAdam Ellipse	80CRI - 80+ CRI 90CRI - 90+ CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	120V - 120V 277V - 277V UNV - 120V-277V

DIRECT WATTAGE	INDIRECT WATTAGE	DIMMING		ELECTRICAL
7W	NA			1C
7W - 7 W output, up to 414 lm	NA - Not applicable	INTEGRAL	REMOTE 5	1C - 1 circuit
		D1 - 1% 0-10V ELV 4 - ELV 120V TRI 4 - TRIAC 120V "Available with 120V only.	RD1 - 1% 0-10V RELV ⁶ - ELV 120V RTRI ⁶ - TRIAC 120V RLDE1 ⁷ - Lutron Hi-lume 1% Eco ⁵ A remote driver box is provided.	
			⁶ Available with 120V only. ⁷ On-site commissioning is required.	

CANOPY TYPE 8	CANOPY FINISH	SUSPENSION 13	OPTION
			ES
FLR 9 - Flat round canopy, 4" octagonal junction box CDR 9 - Conduit feed, round canopy DMNC 10 - Direct mount, new construction DMRM 10.1" - Direct mount, remodel DR 12 - Deep round canopy 8 See page 6 for details. 9 For 4" long cylinders, driver has to be in j-box when specified with 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 Can accommodate up to 2 drivers.	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BKS##IN - Matte black stem WHS##IN - Matte white stem BKSS##IN ¹⁴ - Matte black swivel stem WHS\$##IN ¹⁴ - Matte white swivel stem CF#S##IN ¹⁵ - Custom finish stem CF#S\$##IN ¹⁶ - Custom finish swivel stem ¹³ Min 10" - max 72", specify length (##) in inches. ¹⁴ Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. ¹⁵ Specify RAL#.	ES - ENERGY STAR

PENDANT WALL WASH DIRECT/INDIRECT, DIRECT Title 24 JA8

	Lumenwerx	_
Project:		_

Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE2CYPWW	D			ww	
AE2CYPWW - Aera 2" Cylinder Pendant Wall Wash 1 Pendant (direct) and Pendant Asymmetric 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 - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	ww - Wall wash	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#

Туре:

LENS	LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	VOLTAGE
WW		ww		90CRI		
ww - Wall wash diffuser	SW - Static white	ww - Wall wash	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse	90CRI - 90+ CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	120V - 120V 277V - 277V
	SOLA - Dim-to-warm single channel control		3STP - 3 Step MacAdam Ellipse		SOLA 4 - Dim-to-warm single channel control	

DIRECT WATTAGE	INDIRECT WATTAGE	DIMMING		ELECTRICAL
	NA			1C
7W - 7 W output, up to 414 lm	NA - Not applicable	INTEGRAL	REMOTE ⁶	1C - 1 circuit
		D1 - 1% 0-10V ELV ⁵ - ELV 120V TRI ⁵ - TRIAC 120V ⁵ Available with 120V only.	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. 7 Available with 120V only. 9 On-site commissioning is required.	
8W - 8 W output, up to 468 lm		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	

CANOPY TYPE 9	CANOPY FINISH	SUSPENSION 14	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	FTMW - Matte white FTMB - Matte black FCHP - Champagne FDBZ - Dark bronze CF# - Custom finish, specify RAL#	BKS##IN - Matte black stem WHS##IN - Matte white stem BKSS##IN ¹⁵ - Matte black swivel stem WHSS##IN ¹⁵ - Matte white swivel stem CF#SF#IN ¹⁶ - Custom finish stem CF#SF#IN ¹⁵ - Custom finish swivel stem	JA8 - JA8 compliant
 See page 6 for details. For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details. "4" long cylinders require a remote driver. Single wiring entry only. No daisy chain connections allowed. "Can accommodate up to 2 drivers. 	specify to the	Min 10" - max 72", specify length (##) in inches. Not available with DMNC/DMRM/DR canopy options, or for 4" long cylinders when specified with FLR/CDR and integral driver. Specify RAL#.	

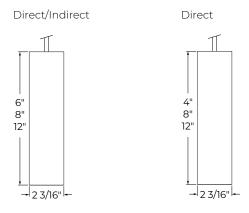




PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Dimensions

CYLINDER

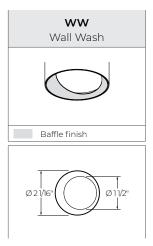


Minimum heights - Cylinder

Size	Distribution	Integral driver in cylinder	Integral driver in canopy or J-box	Remote driver
Ø 2"	Direct/Indirect	NA	6"	6"
W 2	Direct	7"	4"	4"

^{*}Consult factory for maximum heights.

BAFFLE



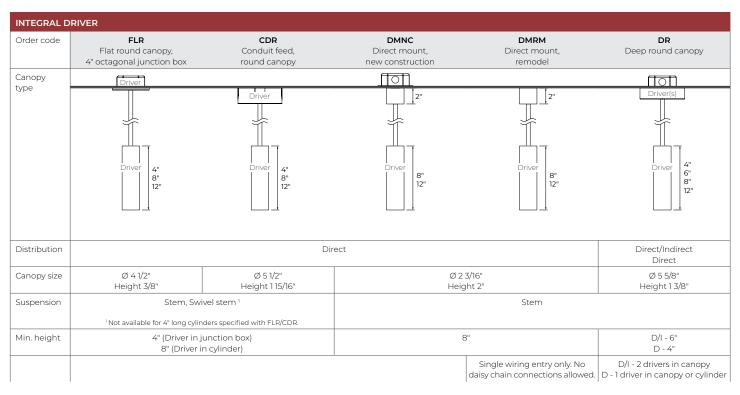


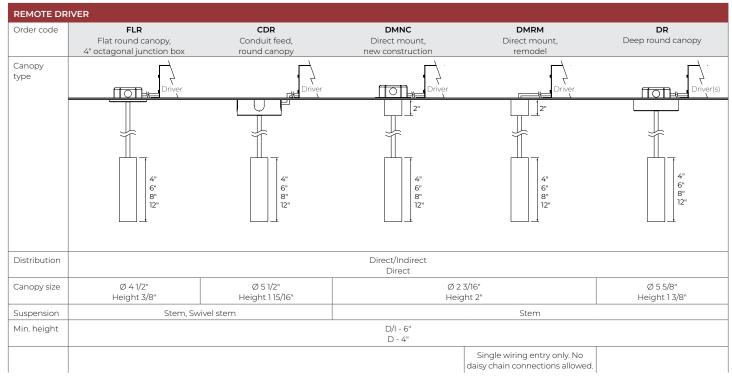


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Mounting

CANOPY







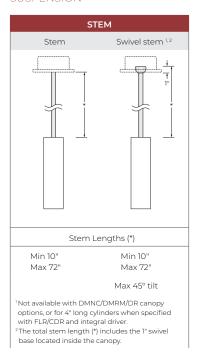






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SUSPENSION

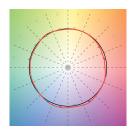




PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Color Quality

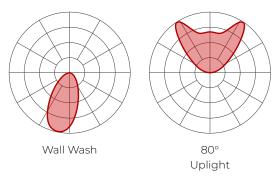




Photometrics

WALL WASH

Values calculated based on 3500K and white wall wash baffle.



Delivered Lumens (LM)

CRI	80+ CRI			90+ CRI			95+ CRI		
BEAM	WW	Uplight		WW	Uplight		WW	Uplight	
7W	414	293		387	273		298	210	
10W	557	NA		521	NA		401	NA	

Efficacy (LM/W)

CRI	80+ CRI			90+ CRI			95+ CRI		
BEAM	WW	Uplight		WW	Uplight		WW	Uplight	
7W	59	42		55	39		43	30	
10W	56	NA		52	NA		40	NA	

MULTIPLIERS

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

сст	
2400K	0.87
2700K	0.94
3000K	0.98
3500K	1
4000K	1.05
5000K	1.05

BAFFLE COLOR					
White	1				
Black	1				

For SOLA and DUO, please consult factory.

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{ccc} \mathsf{DIRECT} & + & \mathsf{UPLIGHT} \\ \mathsf{LM} & + & \mathsf{LM} \end{array}\right)}{\left(\begin{array}{ccc} \mathsf{DIRECT} & + & \mathsf{UPLIGHT} \\ \mathsf{W} & + & \mathsf{W} \end{array}\right)} = \mathsf{LPW}$$

Intertek







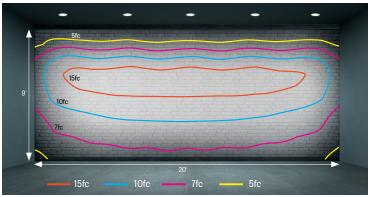
PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Photometrics

UNIFORMITY

Values calculated based on 3500K and white wall wash baffle.

24" from Wall - 36" Spacing



Foot-candles

FC ON	FC ON WALL 24" FROM WALL - 24" SPACING		24" FROM WA	24" FROM WALL - 36" SPACING			24" FROM WALL - 48" SPACING			
		80+ CRI	90+ CRI	95+ CRI	80+ CRI	90+ CRI	95+ CRI	80+ CRI	90+ CRI	95+ CRI
	9'	5	4	3	3	3	2	2	2	2
l og	8'	17	16	12	10	10	7	8	8	6
FF.	7'	24	22	17	15	14	11	11	11	8
-	6'	22	21	16	14	13	10	11	10	8
¥S	5'	18	16	13	12	11	8	9	8	6
	4'	14	13	10	9	9	7	7	7	5
OVE.	3'	11	10	8	7	7	5	6	5	4
ABC	2'	9	9	7	6	6	5	5	5	3
	ין	8	8	6	6	5	4	4	4	3

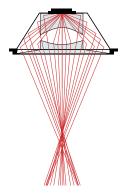
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PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

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

Static white

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.

Full spectrum static white

The full spectrum LED option offers improved color particularly in the cyan region which helps increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms. The cyan region in full spectrum LED is richer at the 480 nm range.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. 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 to warm LED arrays - maintaining a CRI above 90. Two color temperature range options are offered: 6500K to 2700K, and 5000K to 2700K. 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 DALI-2 digital

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 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

Stem: Ø 1/2" rigid stem and swivel stem 10" to 72" standard length

Canopy: Flat, conduit feed, direct, and deep

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: Wall Wash







Lumenwerx

PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

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

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

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.



