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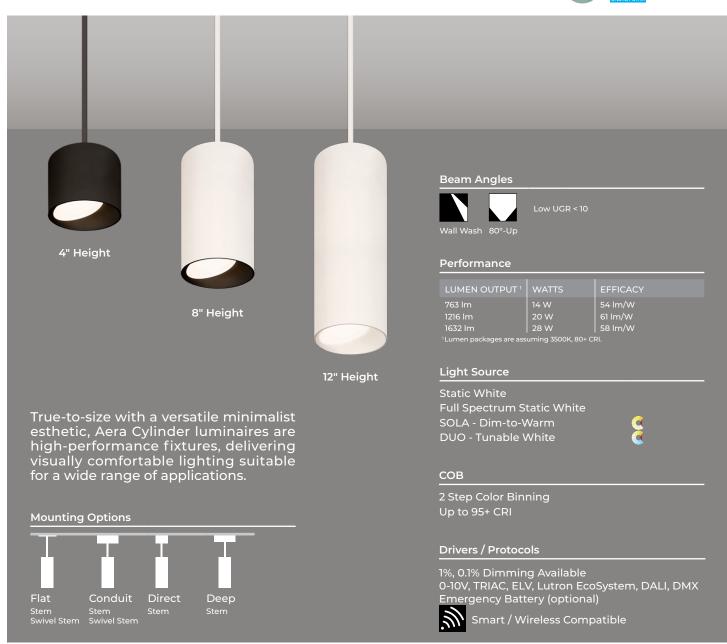
PENDANT WALL WASH DIRECT/INDIRECT, DIRECT











Aera Family (Refer to other spec sheets) Downlight



Round / Square Recessed Adjustable Recessed





Multi-aperture









Cylinder



Pendant Pendant Wall Wash



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



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









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PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Project:





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	LENS
AE4CYPWW					ww		ww
Aera 4" Cylinder	Direct/Indirect	6IN - 6" 8IN - 8" 12IN - 12"	DIRECT 4IN ³ - 4" 8IN - 8" 12IN - 12"	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	ww - Wall wash diffuser
		canopy options when specified ts only. Up to maximum 36".	specify RAL#		CF# - Custom finish, specify RAL#		

LIGHT SOURCE	DIRECT BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	VOLTAGE	DIRECT WATTAGE 9
	ww					
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 - 3500 27K - 2700K 40K - 4000 30K - 3000K 50K 7 - 500	K 277V - 277V	14W - 14 W output, up to 763 lm 20W - 20 W output, up to 1216 lm 28W ¹⁰ - 28 W output, up to 1632 lm ⁹ Lumen outputs are reduced with full spectrum, consult factory. ¹⁰ Not available for a Direct/Indirect fixture.
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	consult factory.	SOLA 18W - 18 W output, up to 965 lm 28W 10 - 28 W output, up to 1615 lm DUO 14W - 14 W output, up to 805 lm 20W - 20 W output, up to 1150 lm 28W 10 - 28 W output, up to 1650 lm

INDIRECT WATTAGE ¹¹ Specify NA for Direct	DIMMING 12				ELECTRICAL
14W - 14 W output, up to 1102 lm	INTEGRAL	REMOTE 14			1C - 1 circuit
20W - 20 W output, up to 1550 lm NA - Not applicable "Lumen outputs are reduced with full spectrum, consult factory. SOLA 18W - 18 W output, up to 1205 lm	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 + £B to the selected dimination of the selected dimination.	RDA ¹⁶ - DALI RELD1 - eldoLED 1% ECC RELD0 - eldoLED 0.1% S +EB ¹⁷ - Emergency batt ming option, e.g. RD1+EB.	OLOdrive 0-10V	2C ¹⁸ - 2 circuits ¹⁸ Available with Direct/Indirect only.
14W - 14 W output, up to 1005 Im 20W - 20 W output, up to 1435 Im NA - Not applicable	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	FTMW - Matte white	BKS##IN - Matte black stem	NA - None
CDR ^{20, 21} - Conduit feed, round canopy	FTMB - Matte black	WHS##IN - Matte white stem	
DMNC ^{20, 22} - Direct mount, new construction	FCHP - Champagne	BKSS##IN ²⁶ - Matte black swivel stem	²⁸ To specify
DMRM ^{20, 22, 23} - Direct mount, remodel	FDBZ - Dark bronze	WHSS##IN ²⁶ - Matte white swivel stem	an ENERGY STAR certified
DR ²⁴ - Deep round canopy	CF# - Custom finish,	CF#S##IN ²⁷ - Custom finish stem	fixture, see
	specify RAL#	CF#SS##IN ^{26, 27} - Custom finish swivel stem	page 3.
¹⁹ See page 6 for details.	' '		To specify a
²⁰ Direct/Indirect requires a remote driver. ²⁷ For 4" long cylinders, driver has to be in j-box when specified with integral drivers. See page 6 for details.		²⁵ 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.	JA8 compliant fixture, see
²² 4" long cylinders require a remote driver. ²³ Single wiring entry only. No daisy chain connections allowed.		27 Specify RAL#.	page 4.
²⁴ Can accommodate up to 2 drivers.			





PENDANT WALL WASH DIRECT/INDIRECT, DIRECT ENERGY STAR

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Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE4CYPWW	D			ww	
AE4CYPWW - Aera 4" 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	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
14W	NA			1C
14W - 14 W output, up to 763 lm	NA - Not applicable	INTEGRAL	REMOTE ⁵	1C - 1 circuit
		D1 - 1% 0-10V ELV ⁴ - ELV 120V TRI ⁴ - TRIAC 120V ⁴ Available with 120V only.	RD1 - 1% 0-10V RELV 6 - ELV 120V RTR1 6 - TRIAC 120V RLDE1 7 - Lutron Hi-lume 1% Eco SA remote driver box is provided. Savailable with 120V only. On-site commissioning is required.	

CANOPY TYPE 8	CANOPY FINISH	SUSPENSION 13	OPTION
			ES
FLR 9 - Flat round canopy, 4" octagonal junction box	FTMW - Matte white	BKS##IN - Matte black stem	ES - ENERGY
CDR 9 - Conduit feed, round canopy	FTMB - Matte black	WHS##IN - Matte white stem	STAR
DMNC ¹⁰ - Direct mount, new construction	FCHP - Champagne	BKSS##IN 14 - Matte black swivel stem	
DMRM 10, 11 - Direct mount, remodel	FDBZ - Dark bronze	WHSS##IN 14 - Matte white swivel stem	
DR 12 - Deep round canopy	CF# - Custom finish,	CF#S##IN 15 - Custom finish stem	
	specify RAL#	CF#SS##IN 14, 15 - Custom finish swivel stem	
⁹ 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. ¹³ Single wiring entry only. No daisy chain connections allowed. ¹² Can accommodate up to 2 drivers.		[™] 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 Title 24 JA8

	Lumenwerx	_
Project:		_



Order Guide

LUMINAIRE ID 1	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	BAFFLE STYLE	BAFFLE FINISH
AE4CYPWW	D			ww	
AE4CYPWW - Aera 4" Cylinder Pendant Wall Wash 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	sw	ww		90CRI		
WW - Wall wash diffuser	SW - Static white	ww - Wall wash	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse		27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	120V - 120V 277V - 277V UNV - 120V-277V

DIRECT WATTAGE	INDIRECT WATTAGE	DIMMING		ELECTRICAL
14W	NA			1C
14W - 14 W output, up to 763 lm	NA - Not applicable	INTEGRAL	REMOTE ⁵	1C - 1 circuit
		D1 - 1% 0-10V ELY ⁴ - ELV 120V TRI ⁴ - TRIAC 120V ⁴ Available with 120V only.	RD1 - 1% 0-10V RELY ⁶ - ELY 120V RTRI ⁶ - TRIAC 120V RLDE1 ⁷ - Lutron Hi-lume 1% Eco ⁶ A remote driver box is provided. ⁶ Available with 120V only. ⁷ On-site commissioning is required.	

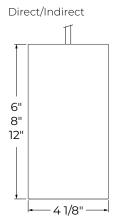
CANOPY TYPE 8	CANOPY FINISH	SUSPENSION 13	OPTION
			JA8
FLR 9 - Flat round canopy, 4" octagonal junction box	FTMW - Matte white	BKS##IN - Matte black stem	JA8 - JA8
CDR 9 - Conduit feed, round canopy	FTMB - Matte black	WHS##IN - Matte white stem	compliant
DMNC 10 - Direct mount, new construction	FCHP - Champagne	BKSS##IN 14 - Matte black swivel stem	
DMRM 10, 11 - Direct mount, remodel	FDBZ - Dark bronze	WHSS##IN 14 - Matte white swivel stem	
DR 12 - Deep round canopy	CF# - Custom finish,	CF#S##IN 15 - Custom finish stem	
	specify RAL#	CF#SS##IN 14,15 - Custom finish swivel stem	
"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. "Q4" long cylinders require a remote driver. "Single wiring entry only. No daisy chain connections allowed. "Can accommodate up to 2 drivers.		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#.	

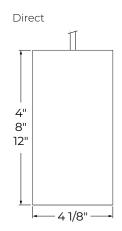


PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Dimensions

CYLINDER



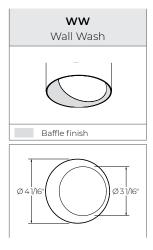


Minimum heights - Cylinder

Size	Distribution	Integral driver in cylinder	Integral driver in canopy or J-box	Remote driver
0 (11	Direct/Indirect	NA	6"	6"
Ø 4"	Direct	8"	4"	4"

^{*}Consult factory for maximum heights.

BAFFLE



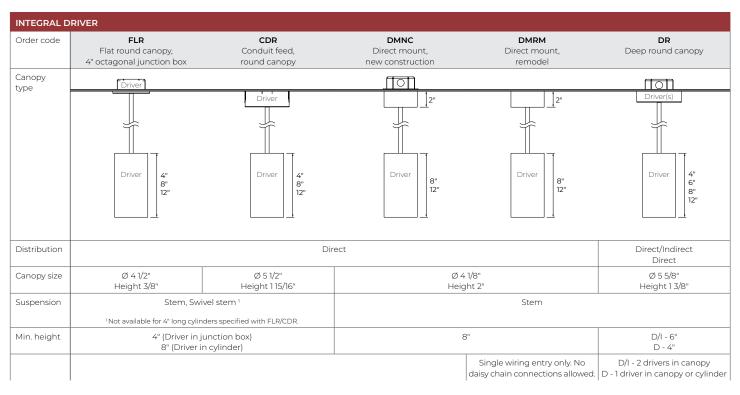


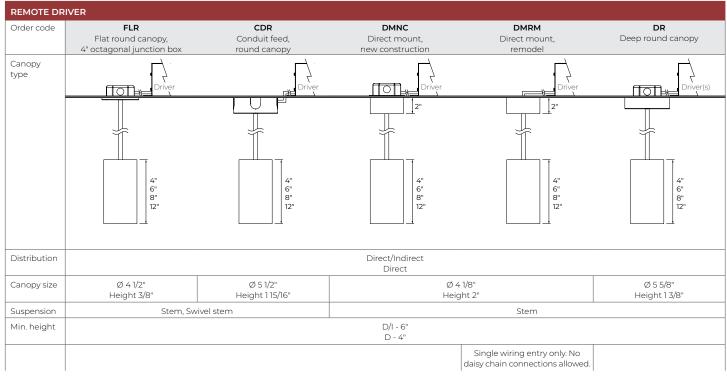


PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Mounting

CANOPY







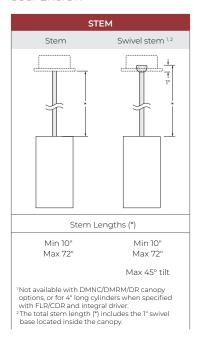




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PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

SUSPENSION

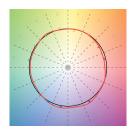




PENDANT WALL WASH DIRECT/INDIRECT. DIRECT

Color Quality

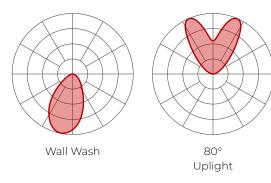




Photometrics

WALL WASH

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



Delivered lumens (LM)

CRI	80+	CRI	90+ CRI			95+	5+ CRI		
BEAM	WW	Uplight	WW	Uplight		WW	Uplight		
14 W	763	1102	713	1029		549	792		
20 W	1216	1550	1136	1448		875	1114		
28 W	1632	NA	1525	NA		1174	NA		

Efficacy (LM/W)

CRI	80+	CRI	90+ CRI			95+	CRI	
BEAM	WW	Uplight	WW	Uplight		WW	Uplight	
14 W	54	79	51	74		39	57	
20 W	61	78	57	72		44	56	
28 W	58	NA	54	NA		42	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

For SOLA and DUO, please consult factory.

1	
1	
	1

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

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



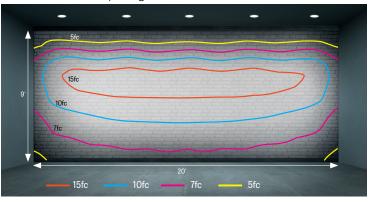
PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

Photometrics

UNIFORMITY

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

24" from Wall - 36" Spacing



Foot-candles

-	00													
1 W	/ALL	24" FROM	WALL - 24"	SPACING	24" FROM	24" FROM WALL - 36" SPACING			24" FROM	WALL - 48"	24" FROM WALL - 60" SP			
		80+ CRI	90+ CRI	95+ CRI	80+ CRI	90+ CRI	95+ CRI		80+ CRI	90+ CRI	95+ CRI	80+ CRI	90+ CRI	
œ	9'	12	11	9	7	7	5		6	6	5	6	5	
OOR	8'	54	51	39	33	31	24		28	27	20	26	25	
చ	7'	74	70	54	48	45	34		39	36	28	35	33	
딮	6'	65	61	47	43	40	31		33	31	24	29	27	
호	5'	50	47	36	34	31	24		25	24	18	21	20	
INIS INIS	4'	39	36	28	26	25	19		20	18	14	16	15	
Ä	3'	31	29	22	21	20	15		15	14	11	13	12	
BO	2'	26	24	18	18	16	13		13	12	9	11	10	
⋖	ין	22	21	16	15	14	11		11	10	8	9	9	

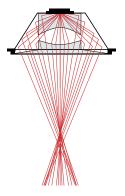
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PENDANT WALL WASH DIRECT/INDIRECT, DIRECT

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" : 3 lbs - 1.4 kg	4" : 2.2 lbs - 1 kg
8" : 3.4 lbs - 1.5 kg	8" : 2.9 lbs - 1.3 kg
12" : 4 lbs - 1.8 kg	12" : 3.4 lbs - 1.5 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.



