

LED Area Light/Shoe Box Series

Wattages: 60W, 100W, 150W, 200W, 300W

EPA DETAILS		WSD-SB06W27 / WSD-SB10W27		GROSS WEIGHT	12 lbs	BOX DIMENSION	22.44" x 13.78" x 5.91"
CONFIGURATION		1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	0.64 ft²	1.28 ft²	1.03 ft²	1.66 ft²	1.55 ft²	2.06 ft²	
NET WEIGHT	5.9 lbs	19.8 lbs	19.8 lbs	29.7 lbs	29.7 lbs	39.6 lbs	

EPA DETAILS		WSD-SB15W27 / WSD-SB20W27		GROSS WEIGHT	18 lbs	BOX DIMENSION	22.44" x 13.78" x 5.91"
CONFIGURATION		1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	0.65 ft²	1.30 ft²	1.04 ft²	1.69 ft²	1.56 ft²	2.08 ft²	
NET WEIGHT	16.6 lbs	33.2 lbs	33.2 lbs	49.8 lbs	49.8 lbs	66.4 lbs	

EPA DETAILS		WSD-SB30W27		GROSS WEIGHT	27 lbs	BOX DIMENSION	23.62" x 18.5" x 6.3"
CONFIGURATION		1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	0.68 ft²	1.36 ft²	1.09 ft²	1.77 ft²	1.64 ft²	2.16 ft²	
NET WEIGHT	25.4 lbs	50.8 lbs	50.8 lbs	76.2 lbs	76.2 lbs	101.6 lbs	

ELECTRICAL LOAD

WATTAGE	CURRENT (VOLTAGE) (AMP)					
	120V	208V	240V	277V	347V	480V
WSD-SB06W27	0.5 Amp	0.29 Amp	0.25 Amp	0.22 Amp	0.17 Amp	0.13 Amp
WSD-SB10W27	0.83 Amp	0.48 Amp	0.42 Amp	0.36 Amp	0.29 Amp	0.21 Amp
WSD-SB15W27	1.25 Amp	0.72 Amp	0.62 Amp	0.54 Amp	0.43 Amp	0.31 Amp
WSD-SB20W27	1.67 Amp	0.96 Amp	0.83 Amp	0.72 Amp	0.58 Amp	0.42 Amp
WSD-SB30W27	2.5 Amp	1.44 Amp	1.25 Amp	1.08 Amp	0.86 Amp	0.63 Amp

Address: 1250 Watley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-sal.com • Tel: 469.857.5693 / 214.940.9558

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LED Area Light/Shoe Box Series

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DIMENSION		WSD-SB06W27 / WSD-SB10W27		WSD-SB15W27 / WSD-SB20W27		WSD-SB30W27	
A	11.15"	A	11.15"	A	15.85"	A	15.85"
B	23.92"	B	23.4"	B	25.35"	B	25.35"
C	3.35"	C	3.35"	C	3.35"	C	3.35"

MOUNTING OPTIONS (SOLD SEPARATELY)

WSD-NEWSBSP2-D Splitter Mount-Ar optional cast aluminum main arm adapter secure future head to normal 2"x3/8" O.D. pipe steel horizontal steel tenon arm.	WSD-NEWSBARM2-D Arm Mount 4" and 5" Square and Round poles. Standard versatile mounting arm is simple to install and can be used with existing poles for retro installations.	WSD-SFARM2-D SFARM2 Mount-Ar optional cast aluminum main arm adapter secure future head to normal 2"x3/8" O.D. pipe steel horizontal steel tenon arm.	WSD-SBT-D Easy to install for direct wall mounting with 1/2" conduit wiring.	WSD-SADP-BAR-D Square tube light bar installation, with Arm installation of lamps.	WSD-ARM-BAR-D Square tube light bar installation, with Arm installation of lamps.
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ORDERING INFORMATION

EXAMPLE:

WSD-SB30W27-50K-Z[D, W, B, SJ-TN [T2, T3, T4, T5]-U[S, A, Y]-Y[BLANK, PJ]-# [BLANK, M]

WSD	SB	15W	27	40K	D	T3	T	P	RC
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH	DISTRIBUTION	MOUNTING	CONTROL 1	CONTROL 2
WSD LED INC	SB (Shoebox)	06W - (50W) 10W - (100W) 15W - (150W) 20W - (200W) 30W - (300W)	27 AC120-277V 48 (AC277-480V)	40K - (4000K) 50K - (5000K)	D - (Dark Bronze) W - (White) B - (Black) S - (Silver)	T2 - (Type II) T3 - (Type III) T4 - (Type IV) T5 - (Type V)	S - (Splitter) A - (Arm) T - (Transition)	P - (Photocell) RC - (Remote Control)	M - (Motion Sensor)

FOR DLC LISTING, CLICK HERE

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LED Area Light/Shoe Box Series

Wattages: 60W, 100W, 150W, 200W, 300W



FEATURES

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V/AC 277-480V.
- Die-cast aluminum cooling design, high quality and better cooling for LED TJ < 85°C.
- Excellent optics design, greatly improve the light utilization and evenness.
- Motion sensor control available (Optional)

CONTROLS (SOLD SEPARATELY)



SPECIFICATION		60W	100W	150W	200W	300W
WATTAGE		60W	100W	150W	200W	300W
LUMEN		8700 lm	13000 lm	21000 lm	27000 lm	42192 lm
EFFICACY		145 lm/W	130 lm/W	140 lm/W	135 lm/W	140 lm/W
CCT		4000K, 5000K				
GR		70				
INPUT VOLTAGE		AC120-277V / AC277-480V				
DISTRIBUTION		Type II, Type III, Type IV, Type V				
POWER FACTOR		0.95				
DRIVER EFFICACY		90%				
DIMMING		0-10Vdc				
LIFE SPAN		over 50,000 hrs				
WORKING TEMPERATURE		-22°F ~ 113°F				
STORAGE TEMPERATURE		-40°F ~ 176°F				
OUTDOOR RATING		Wet location / IP65				
CABLE		8 core, 18AWG 0.5m				
WARRANTY		5 year limited				

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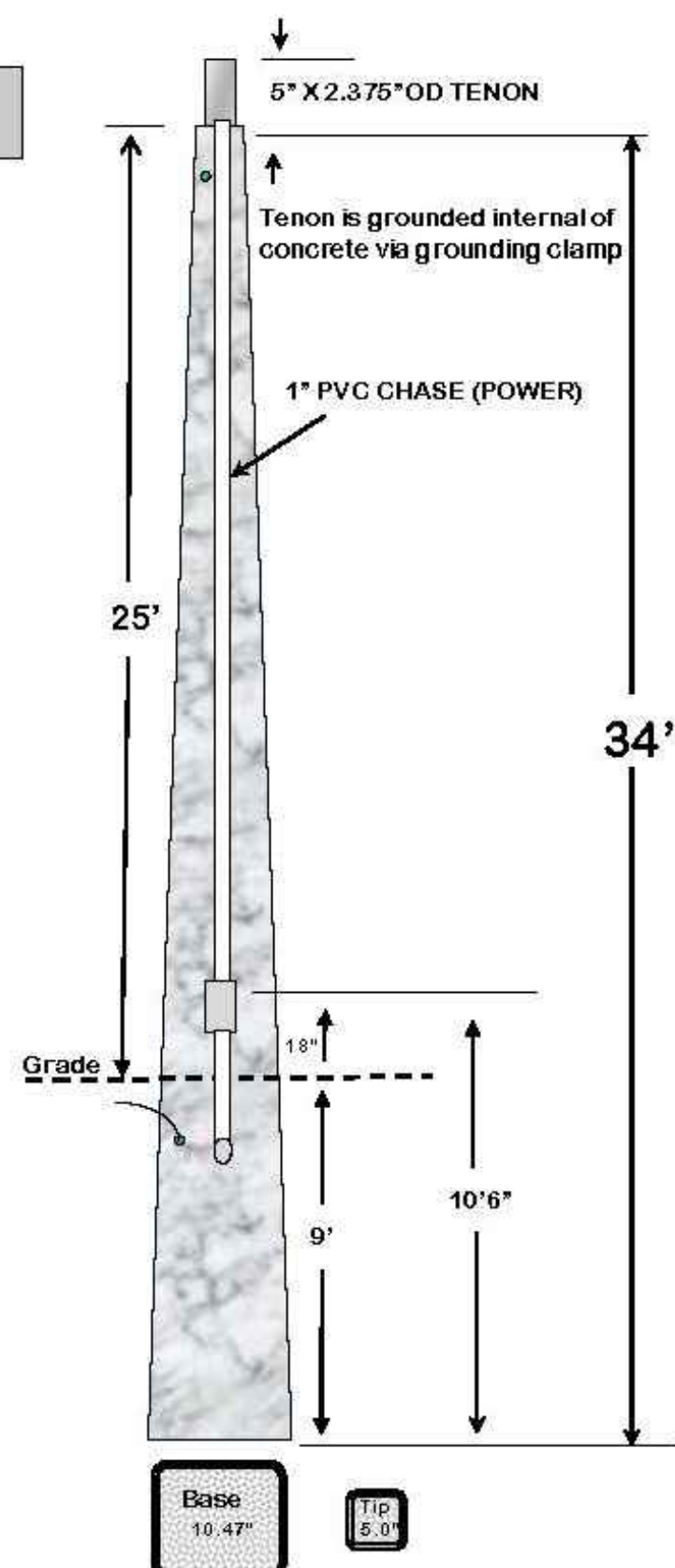
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PROJECT: El Car Wash

Prestressed Concrete Pole

- Pole Weight= 2,180lbs
- Wind speed= 170mph Vult
- Exposure "C"
- Risk Category II
- Gust Factor= 1.2
- Load factor= 1.3
- 8th Edition 2023 FBC 1620 HVHZ, 1609, 1806
- ASCE 7-22
- Min. Brk. Strength= 1,800#
- Concrete= 7,500psi @ 28 days
- Ord. Wires= #6 str. copper
- Strand= 1/2" @ 70% Ultimate
- Tenon= 2.375 x 5"

This pole embedded 9' in to soils with an allowable passive pressure of 300pcf is structurally adequate to resist the local wind speeds in Broward Co. with The 3.0sqft epa attached inclusive of Lights & Cameras

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A004 TYPICAL LIGHT POLE FIXTURE "A"
SCALENTS

LED Mini Wall Pack Series

Wattages: 10W, 15W, 20W

DIMENSION		WSD-WP-01W27 / WSD-WP-015W27		WSD-WP-02W27	
WATTAGE		10W - (10W) 15W - (15W) 20W - (20W)	27 (AC120-277V) 50K - (5000K)	10W - (10W) 15W - (15W) 20W - (20W)	27 (AC120-277V) 50K - (5000K)
NT. WEIGHT		1.26 lbs		3.3 lbs	
BOX DIM.		21.46" x 9.06" x 10.63" (12 pcs)		18.5" x 9.8" x 9.44" (6 pcs)	

ORDERING INFORMATION

EXAMPLE:

WSD-WP-01W27-50K-D-P

WSD	WP	01W	27	40K	D	P
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH	CONTROL
WSD LED INC	WP (Mini Wall Pack)	01W - (10W) 015W - (15W) 020W - (20W)	27 (AC120-277V)	40K - (4000K) 50K - (5000K)	D - (Dark Bronze) W - (White) B - (Black) S - (Silver)	P - (Photocell)

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LED Mini Wall Pack Series

Wattages: 10W, 15W, 20W

LED Mini Wall Pack series can be widely used in indoor or outdoor lighting (wet location). Ideal for mechanical or electronic processing workshops, storage warehouses, steel mills, gas stations, toll booth, waiting rooms, the platforms of railway station, indoor stadiums.



FEATURES

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V/AC.
- Excellent optics design, greatly improve the light utilization and evenness.
- Motion sensor control available (Optional)
- 1-10V Dimming.

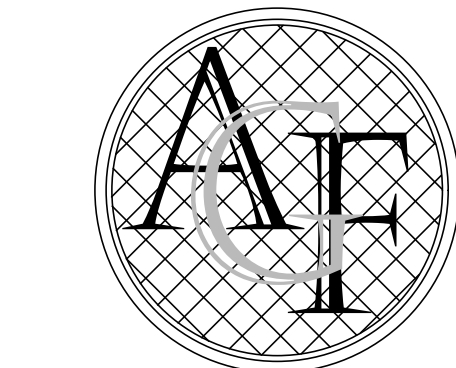
SPECIFICATION		WSD-WP01W27-40K	WSD-WP015W27-40K	WSD-WP02W27-40K
WATTAGE		10W	15W	20W
LUMEN		1450 lm	2100 lm	2420 lm
EFFICACY		145 lm/W	140 lm/W	121 lm/W
CCT		4000K, 5000K		
GR		80		
INPUT VOLTAGE		120-277V		
POWER FACTOR		0.95		
DRIVER EFFICACY		88%		
DIMMING		1-10V Dimming		
LIFE SPAN		75,000 hrs		
WORKING TEMPERATURE		-22°F ~ 113°F		
STORAGE TEMPERATURE		-40°F ~ 176°F		
OUTDOOR RATING		IP65		
CABLE		Input Connect, No cable		
WARRANTY		5 year limited		

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Name	El Car Wash	Pole Design	WIND LOADING	Select Structural	REINFORCING
Total Length	34.0 ft	Wind Speed (V)	170	Number Strands	4
Embedment	9.0 ft	Exposure Category	C	Strand Diameter	0.50 in
Projection	25.0 ft	Exposure Factor (K _e)	0.82	Strand Area	0.153 in²
Tip Dimension	5 in	Exposure Factor (K _e) EPA	0.95	Strand Strength	270 ksi
Taper Factor	0.161 in/ft	Directionality (K _d)	0.9	Strand Centroid	2.00 in
Dimension at Ground	9.03 in	Gust Factor (G)	1.2	Initial Tension	70%
Butt Dimension	10.47 in	Shape Factor (C _s)	2	g	0.25
Mandrel	MANDREL	Number Dormant	4	Rein Area	0.153 in²
Mandrel Dia Tip	1.75 in	Concrete f _c	6500 psi	Rein Area	270 ksi
Start from Tip	0.25 ft	Strength Red φ	0.9	Rein Centroid	2.96 in
Mandrel Taper	0.127 in/ft	Applied Force	0 k ult	Pole Weight	1604 lb
Mandrel Dia Butt	6.04 in				
Fixture EPA	3.00 sq ft				
Mounting Height	25.0 ft				
Wind Pressure	q _s = 0.00256 x K _e x K _d x V² p _s = q _s x G x C _f	54.40 psf ult 130.5 psf ult	q _{eEPA} = 62.94 psf ult p _{eEPA} = 75.5 psf ult		
Moment on Pole	A _s = 16 ft² Ad= (tipxproj²)/2+(grd-tip)(2xproj²)/3 M _{pole} = p x Ad M _{total} = M _{EPA} x EPA x mounting height M _{total} = M _{pole} + M _{EPA}	16 ft² 165 ft³ 21.6 ft-k 5.7 ft-k 27.2 ft-k	P _{top} = 0 lb P _{pole} = 1907 lb P _{EPA} = 227 lb P _{total} = 2134 lb		
Moment Capacity of Pole	No. Stressed Strands= 4 A _{ps} = 0.306 in² d _p = 7.03 in p _p = 0.004826 ω _p = 0.183169 f _{ps} = 247 ksi a= 1.51 in ΦM _n = 53 ft-k	No. Dormant= 4 A _s = 0.306 in² d= 6.07 in p= 0.0056 ω= 0.2322 f _{ps} devel= 316 ksi Design f _{ps} = 247 ksi	A _s = 0.306 in² d= 6.07 in p= 0.006 ω= 0.232 Design f _{ps} = 247 ksi		
Pole Embedment	P = (0.6)P _{max} M = (0.6)M _{max}	1280 lb 16335 lb-ft	h (equiv) = 12.8 ft		
Soil passive pressure	q = 300 psf / ft				
Embedment depth	d = 9.00 ft				
Embedment size (average)	b = 9.00 in				
S ₁ = (d)(q)/3 = A = (2.34 P)/(S ₁ b) = d = (A/2)(1 + [1 + (4.36 h/A)]¹/²)					
25' Projection with 9' Min Embedment					

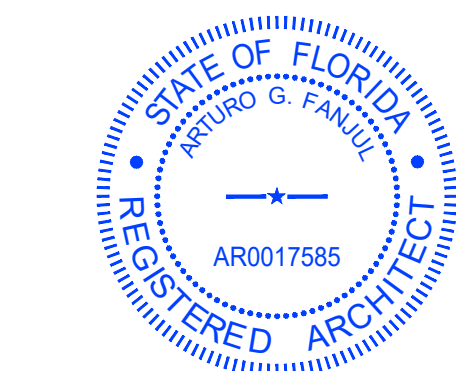
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A004 TYPICAL LIGHT POLE AND CALCULATIONS
SCALENTSFANJUL & ASSOCIATES, LLC
ARCHITECTURE, PLANNING & INTERIOR DESIGN

AA26000725

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"A BETTER LIFE THROUGH DESIGN"

ARTURO G. FANJUL AR0017585
STATE OF FLORIDA REGISTERED ARCHITECT

This item has been electronically signed and sealed by:

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DESIGN REVIEW



WEST POMANO

2690 W SAMPLE ROAD
POMPANO BEACH, FL 33069
ID:484221070031/32/32

SITE LIGHT POLES

REVISION NO.

DATE: 10/24/2025

SCALE:

DRAWN: AGF

CHECKED: AGF

JOB NO. 24-0704

PERMIT NO.

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A004

NEW SHEET