Signtex Inc LIGHTING
INTELLIGENT EMERGENCY LIGHTING SYSTEMS

PROJECT:	
TYPE:	
CATALOG #:	

LED Outdoor Economy Wallpack with Night Lighting Option

MOONLITE LED®

Series WPE

REV #: WPE.06.26.11

User's Manual

FEATURES

- Premium powder-coat, die-cast aluminum, Bronze housing.
- Polycarbonate lens.
- Integrated photocell is standard in AC models. Photocell can be enabled or disabled by switch.
- AC models are field selectable color temperature range 3000K, 4000K and 5000K*, and provides a range of 2,009 to 3,923 nominal lumen.
- RE models provides 1421 nominal lumen at 10 Watts, 2,132 nominal lumen at 15 Watts and 2857 nominal lumen at 20 watts models.
- RE models operates with Central Battery System including low voltage Night lighting operation. (See CB System data sheet)
- Long-life LEDs provide 153,000 hours of operation with at least 70% of initial lumen output (L70), and 46,000 hours with at least 90% of initial lumen output (L90).**
- LED chromaticity based on < 6-step ANSI quadrangles.
- LED color maintenance < -0.0021 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.
- Color Rendering Index > 80



ELECTRICAL (AC models)

- Universal 120-277 AC voltage (50-60Hz).
- 0-10V DC dimming drivers are standard.
- Input transient surge protection = 2kV.
- Power factor > 90.
- Total harmonic distortion < 20%.

CODES COMPLIANCE

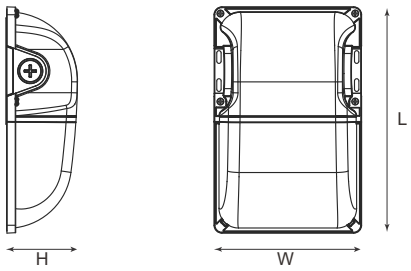
- cETLus listed for wet locations.
- DLC premium listed
- Complies with FCC Part 15, class A.
- IP65 rated for ingress protection.
- IK08 rated for impact protection.
- Operating temperature (ambient): -30°C to 50°C (-22°F to 122°F) .

WARRANTY

- 5 year total customer satisfaction warranty. For details see Signtex product catalog technical data section.

** Default kelvin temperature 4000k and highest lumen output.*
*** L70 & L90 hours are IES TM-21-11 calculated hours.*

DIMENSIONS



Model #	L (in)	W (in)	H (in)	Weight (lbs)
WPE-4L-SLSK	9.06	5.91	2.87	1.48

Intertek · DLC LISTED PREMIUM · FC · WET · 2kV Surge Protection · IP65 · RE 24VDC Remote from Central Battery

FIXTURE ORDERING INFORMATION EXAMPLE: WPE- RE10 - 5K-NOR

WPE - RE 10 - 5K - NOR

SERIES	OPERATION	POWER	COLOR TEMP	HOUSING COLOR	OPTIONS
WPE	**RE** 24V Remote from Central Battery system.	**10** 10W **15** 15W **20** 20W	**5K** 5000K	(Blank) Dark-Bronze **W** White **K** Black **A** Aluminum **X** Custom	**NOR**[2] Night/Security Lighting for RE models.
	AC 120/277V	**SL**[1] 15W/ 20W/ 30W	**SK**[1] 3000K/ 4000K/ 5000K		

1. Full range field selectable for AC models only.
2. SEC option required in CB system.

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumen			Mid Lumen			High Lumen		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
WPE-AC-SLSK	3000K	0.12	0.06	0.05	0.16	0.08	0.07	0.23	0.12	0.10
	4000K	0.12	0.06	0.05	0.16	0.08	0.07	0.23	0.11	0.10
	5000K	0.12	0.06	0.05	0.16	0.08	0.07	0.24	0.12	0.10

LUMEN TABLES

Series	Measurements	Low Lumen			Mid Lumen			High Lumen		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WPE-AC-SLSK	Lumens	2,009	2,081	2,072	2,659	2,788	2,724	3,802	3,948	3,923
	Watts	14.4	14.05	14.58	19.27	18.73	19.07	28.13	27.47	28.64
	Efficacy	139.51	148.11	142.11	137.99	148.85	142.84	135.16	143.72	136.98

Series	Measurements	10W	15W	20W
WPE - RE - 5K	Lumens	1,421	2,132	2,857
	Watts	10	15	20
	Efficacy	142.11	142.11	142.84

PHOTOMETRICS

WPE-AC-SLSK

Luminaire Data

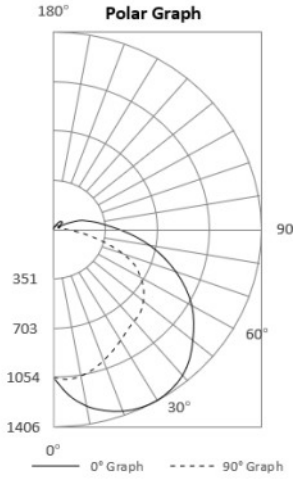
Description	Economy Wall Pack CCT and Lumen Select
Total Lumens	3,325
Input Wattage	28
Efficacy (lm/W)	118
Max. Cd.	1405.632 (360H, 30V)
IES Classification	Type IV
Longitudinal Classification	Very Short

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	659	19.8%
0-60°	1,995	60.0%
0-80°	2,731	82.1%
80-90°	214	7.3%*
0-90°	2,946	88.6%
90-110°	228	6.8%
110-180°	0	0.0%
0-180°	3,325	100.0%

Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	452	11.9%
FM	30-60	1,108	29.1%
FH	60-80	638	16.8%
FVH	80-90	190	5.0%
BL	0-30	206	5.4%
BM	30-60	228	6.0%
BH	60-80	98	2.5%
BVH	80-90	24	0.6%
UL	90-100	139	3.7%
UH	100-180	240	6.3%
Total		3,325	87.5%
BUG Rating		B1-U3-G2	



Photometrics calculated at 3000k, and highest lumen output

* 80-90° glare zone is calculated by dividing the lumens in that zone by the lumen total in the 0-90° zone