

OVERVIEW

High-quality LED wall pack. The optional factory-installed Sigtex Emergency Lighting Control option ensures full emergency code compliance at the lowest possible cost.

SPECIAL FEATURES

- **Emergency lighting from 1,400 Lm to 1,960 Lm with adjustable Emergency Lighting Control (ELC), powered from a Sigtex low-voltage central battery system. See Page 3 for details.**
- Provides a range of 1,900 to 3,300 nominal lumens and 126 to 145 nominal lumens per watt (lm/W).
- AC & DC Operation.
- Field selectable 3000k (warm white), 4000k (neutral white), and 5000k (cool white) color temperatures.* (AC Operation Only)
- Long-life LEDs provide at least 70% of initial lumen output (L70) for >156,000 hours of operation, and at least 90% of initial lumen output (L90) for >47,000hours of operation.**
- LED chromaticity based on <5-step ANSI quadrangles.
- LED color maintenance <0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- 0-10vdc dimming drivers are standard.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80.
- Integral photocell is standard.
- Dark bronze, powder coat finish standard.
- Diffused polycarbonate lens.
- One 1/2" NPT threaded opening.
- Easy installation in new construction or retrofit applications.

* Contact factory for other color temperatures and lumen packages.
** L70 hours are IES TM-21-11 calculated hours

PROJECT:

TYPE:

CATALOG #:



WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- IP65 rated for ingress protection.
- DLC premium approved.
- Complies with FCC Part 15, class B.
- Surge protection = 4kV.
- View Sigtex Warranty for further details

STANDARD



FIXTURE ORDERING INFORMATION EXAMPLE: WPE 3L MV 3CCT- CW -ELC10P3

WPE	3L	MV	3CCT	-CW - ELC10P3
SERIES	SELECTABLE LUMENS	VOLTAGE	SELECTABLE COLOR TEMP	OPTIONS
WPE	3L = 3 Values ¹ 2000 LM 2700 LM 3300 LM	MV 120-277VAC	3CCT = 3 Values ² 3000K 4000K 5000K	ELCXXP3 Emergency Lighting Control ³ XX= EMERGENCY LIGHTING POWER (Watts) SEE OPTIONS TABLE FOR COMPLETE PART NUMBER. CX Custom Color X = W(white),B(Black), and S(silver).Dark bronze Standard

ELECTRICAL DATA

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WPE 3L	Lumens	1939	2090	2105	2496	2709	2711	3070	3327	3325
	Watts	15	14	15	19	19	19	24	24	24
	Efficacy	132	145	143	129	143	140	126	140	137
	Input Current (A)	120V = 0.13A	120V = 0.12A	120V = 0.13A	120V = 0.16A	120V = 0.16A	120V = 0.16A	120V = 0.20A	120V = 0.20A	120V = 0.20A
240V = 0.06A		240V = 0.06A	240V = 0.06A	240V = 0.08A	240V = 0.08A	240V = 0.08A	240V = 0.10A	240V = 0.10A	240V = 0.10A	
277V = 0.05A		277V = 0.05A	277V = 0.05A	277V = 0.07A	277V = 0.07A	277V = 0.07A	277V = 0.09A	277V = 0.09A	277V = 0.09A	

PHOTOMETRIC DATA

WPE-3L

Luminaire Data

Description	Economy Wall Pack 3L 5K - LKFS
Total Lumens	3,325
Input Wattage	24
Efficacy (lm/W)	137
Max. Cd.	914.57 (360H, 24V)
IES Classification	Type IV
Longitudinal Classification	Very Short

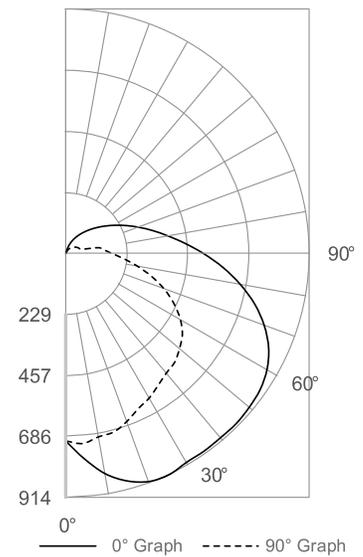
Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	532	16.0%
0-60°	1,686	50.7%
0-80°	2,433	73.2%
80-90°	273	10.1%*
0-90°	2,705	81.4%
90-110°	353	10.6%
110-180°	0	0.0%
0-180°	3,325	100.0%

Luminaire Classification Systems (LCS)

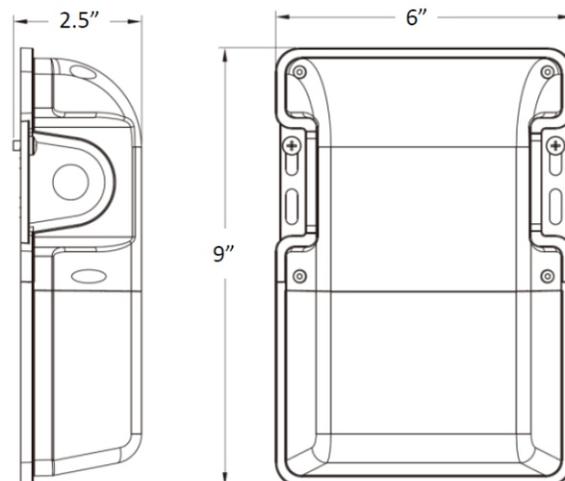
LCS Zone	Lumens	%Lum	
FL	0-30	340	10.2%
FM	30-60	887	26.7%
FH	60-80	634	19.1%
FVH	80-90	239	7.2%
BL	0-30	192	5.8%
BM	30-60	267	8.0%
BH	60-80	112	3.4%
BVH	80-90	34	1.0%
UL	90-100	205	6.2%
UH	100-180	415	12.5%
Total		3,325	99.9%
BUG Rating		B1-U3-G3	

180° Polar Graph



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

DIMENSIONS



OPTIONS

EMERGENCY LIGHTING CONTROLS (ELC) For use with Central Battery Systems (purchased separately)

MODEL	OPTION CODE	
	ELC10P3	ELC20P3
	EM Lumens ¹	EM Lumens ²
WPE-3L	1400	2880

¹ Minimum ² Maximum

Note: Lumen output is factory adjustable. Contact factory for specific values.
Learn more about ELC's on our website, www.signtexinc.com.

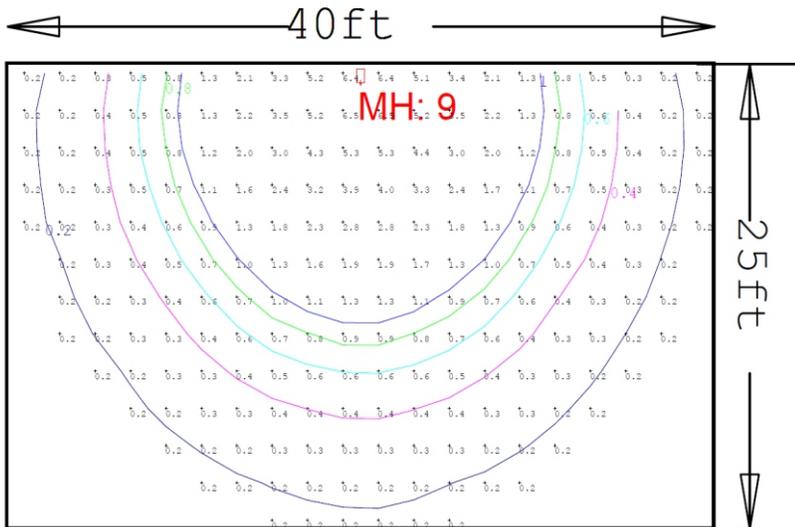
Emergency Lighting with ELC

The following Point-to-Point sample shows typical performance in the medium power range for both fixture and ELC, based on IES files and using a light loss factor (LLF) calculated as follows:

LIGHT LOSS FACTOR = ELC Emergency Power (Watts)*/ Fixture Normal Power (Watts)

LLF = $\frac{\text{ELC Emergency Power}^* (\text{Watts})}{\text{Fixture Normal Power} (\text{Watts})}$ *Power value and ELC Type are given in the OPTION CODE above.
Example: ELC10P1 = 10 Watts Emergency Power for 90 mins: Package Type P1

The calculation is based on illumination values given in NFPA 101 and NEC 70, which stipulate an initial minimum average of 1 Fc at floor level, a minimum of 0.1 Fc at any point, and a uniformity ratio no higher than 40:1. NOTE, values are allowed to decrease 40% after 90 minutes, but ELC is a constant power device so emergency illumination does NOT decrease.



MODEL	ELC OPTION #	ELC POWER	EMERGENCY LUMENS	LLF	MOUNT HEIGHT	AVG. LUMENS ON PATHWAY	MAX/MIN UNIFORMITY
WPE-3L	ELC10P3	10 Watts	1400	0.51	9 FT	1.04 Fc	32.50

NOTES