

## OVERVIEW

High-quality outdoor area light, adjustable through ninety degrees to optimize lighting pattern required. The optional factory-installed Sigtex Emergency Lighting Control option ensures full emergency code compliance at the lowest possible cost.

PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## SPECIAL FEATURES

- **Emergency lighting from 1,160 Lm to 4,640 Lm with adjustable Emergency Lighting Control (ELC), powered from a Sigtex low-voltage central battery system. See Page 3 for details.**
- Available with factory-installed UL Listed Emergency Lighting Control (ELC), for connection to a Sigtex central battery, DC emergency power system.
- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide at least 70% of initial lumen output ( $L_{70}$ ) for > 56,000 hours of operation, and at least 90% of initial lumen output ( $L_{90}$ ) for > 17,000 hours of operation.\*
- Provides a range of 2,680 to 10,824 nominal lumens and 113 to 118 nominal lumens per watt (lm/W).
- 0-10vdc dimming drivers, which provide 10% continuous dimming are standard.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80. Red color rendering > 16.
- Cast aluminum housing with dark bronze, powder coat finish
- Polycarbonate lens.
- Two 1/2" NPT threaded openings.
- Easy installation in new construction or retrofit applications.

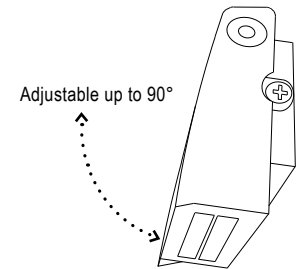


\* Contact factory for other color temperatures and lumen packages.

\*\* L70 hours are IES TM-21-11 calculated hours.

## WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -40°C to 40°C (-40°F to 104°F).
- IP65 rated for ingress protection.
- Complies with FCC Part 15, class A (3L & 4L).
- Complies with FCC Part 15, class B (7L, 8L, & 11L).
- Complies with IEC61000-4-5, surge immunity protection (2kV).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- View Sigtex [Warranty](#) for further details



## FIXTURE ORDERING INFORMATION EXAMPLE: WPA-58-3L-MV-4K-ELC20P4

WPA

SERIES	POWER WATTS	LUMENS <sup>2</sup>	VOLTAGE	COLOR TEMPERATURE	OPTIONS <sup>1</sup>
WPA	23	3L 3,000L	MV 120-277VAC	4K 4000K	ELCPXX Emergency Lighting Control  **XX"= VARIES WITH FIXTURE SIZE AND POWER. SEE OPTIONS TABLE FOR COMPLETE PART NUMBER.
	37	4L 4,000L		5K 5000K	
	58	7L 7,000L			
	71	8L 8,000L			
	93	11L 11,000L			



<sup>1</sup> See Option Detail Tables

<sup>2</sup> Average values. Contact factory for specific value.

## ELECTRICAL DATA

MODEL	COLOR TEMP.	CRI <sup>1</sup>	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/ WATT	INPUT VOLTAGE <sup>2</sup>	INPUT CURRENT (A)			POWER FACTOR	THD <sup>3</sup>	L <sub>70</sub> HOURS <sup>4</sup>
							120V	240V	277V			
WPA-3L-4K	4000K	>80	2,680	23	116	120-277	0.19	0.10	0.08	>0.90	<20%	56,000
WPA-3L-5K	5000K	>80	2,693	23	118	120-277	0.191	0.10	0.08	>0.90	<20%	56,000
WPA-4L-4K	4000K	>80	4,234	37	114	120-277	0.31	0.16	0.13	>0.90	<20%	56,000
WPA-4L-5K	5000K	>80	4,254	37	114	120-277	0.31	0.16	0.13	>0.90	<20%	56,000
WPA-7L-4K	4000K	>80	6,601	58	114	120-277	0.48	0.24	0.21	>0.90	<20%	56,000
WPA-7L-5K	5000K	>80	6,626	57	116	120-277	0.48	0.24	0.21	>0.90	<20%	56,000
WPA-8L-4K	4000K	>80	8,014	71	113	120-277	0.59	0.29	0.26	>0.90	<20%	56,000
WPA-8L-5K	5000K	>80	8,078	71	114	120-277	0.59	0.30	0.26	>0.90	<20%	56,000
WPA-11L-4K	4000K	>80	10,752	93	93	120-277	0.78	0.39	0.34	>0.90	<20%	56,000
WPA-11L-5K	5000K	>80	10,824	93	93	120-277	0.78	0.39	0.34	>0.90	<20%	56,000

<sup>1</sup> Color rendering index.

<sup>2</sup> All 50-60Hz.

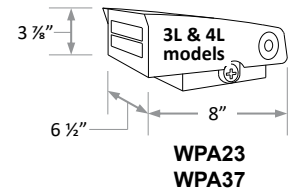
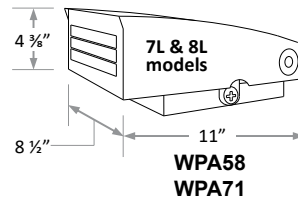
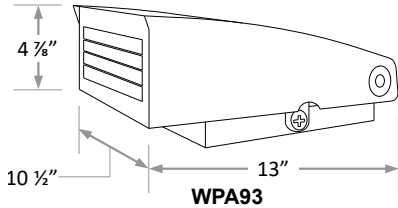
<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

- [IES Files and Zonal Lumen Summaries and Polar Diagrams](#)

## DIMENSIONS



## OPTIONS

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

MODEL	OPTION CODE				
	ELC10P2	ELC14P2	ELC20P4	ELC30P4	ELC40P4
	EM Lumens <sup>1</sup>	EM Lumens <sup>2</sup>	EM Lumens <sup>1</sup>	EM Lumens	EM Lumens <sup>2</sup>
WPA23	1160	1624	-	-	-
WPA37	1160	1624	-	-	-
WPA58	-	1624	2320	3500	4640
WPA71	-	-	2320	3500	4640
WPA93	-	-	1860	2800	3720

<sup>1</sup> Minimum <sup>2</sup> Maximum

Note: Lumen output is factory adjustable. Contact factory for specific values.

Learn more about ELC's on our website, [www.signtexinc.com](http://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:

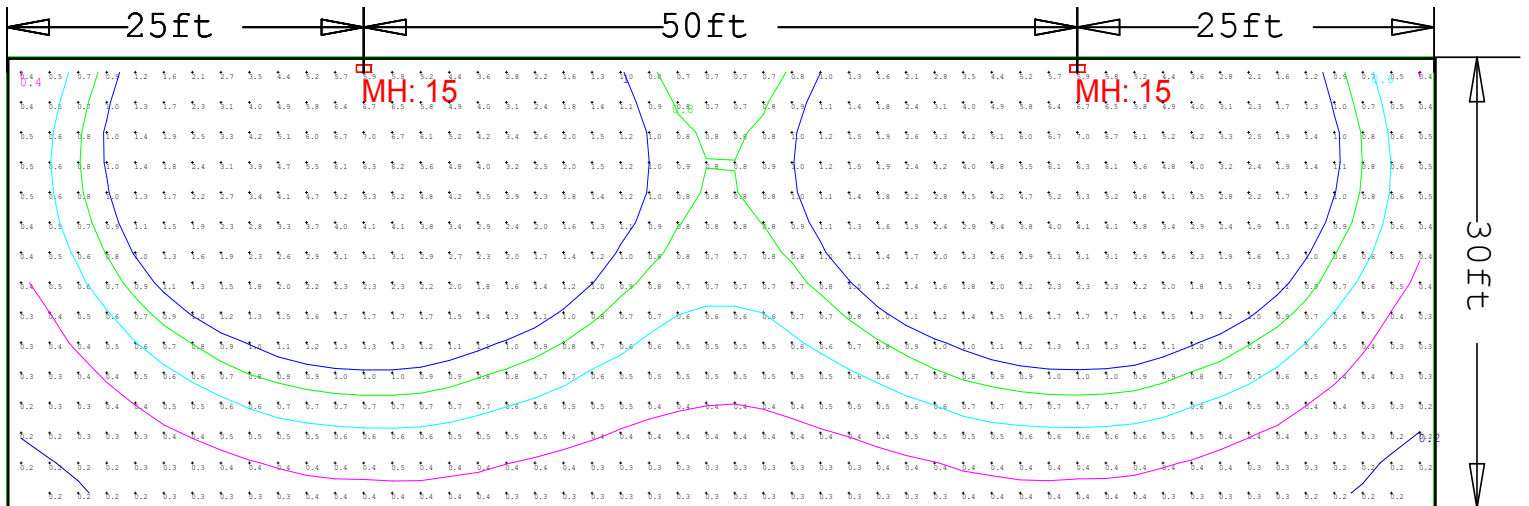
**LIGHT LOSS FACTOR = ELC Emergency Power (Watts)\* / Fixture Normal Power (Watts)**

**LLF =  $\frac{\text{ELC Emergency Power* (Watts)}}{\text{Fixture Normal Power (Watts)}}$**

\*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
WPA58	ELC30P4	30 Watts	3433	0.52	15 FT.	1.56 Fc	35.00