emLITE

Adjustable Full Cut-Off Wall Pack
Series WPC

REV #: 09.21.01

PROJECT:

TYPE:

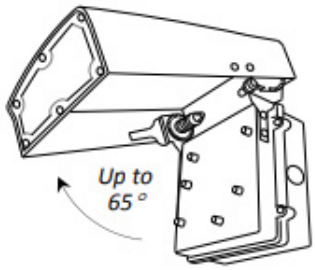
CATALOG #:

OVERVIEW

The WPC series is a contemporary, commercial-grade area luminaire. It features a heavy-duty, spring-loaded hinge, which provides the flexibility of focusing light near the mounting surface, or projecting light forward. With a die cast aluminum housing and a polycarbonate lens, the WPC series will stand up to many years of punishing environmental conditions. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, HID area lights. The optional factory-installed Signtex Emergency Lighting Control option ensures full emergency code compliance at the lowest possible cost.

SPECIAL FEATURES

- **Emergency lighting from 1,250 Lm to 5,000 Lm with adjustable Emergency Lighting Control (ELC), powered from a Signtex low-voltage central battery system. See Page 3 for details.**
- Heavy-duty, spring-loaded hinge provides vertical adjustability of the luminaire housing up to 65° Adjustability provides for a range of lighting effects from full-cutoff downlight to forward throw.
- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 69,000 hours of operation with at least 70% of initial lumen output (L70).*
- LEDWPCA80W delivers 8,821 lumens & 110 lumens per watt (LPW) at 3000k; 9,056 lumens & 113 LPW at 4000k; and 9,241 lumens & 116 LPW at 5000k.*
- LEDWPCA120W delivers 13,796 lumens & 111 lumens per watt (LPW) at both 3000k & 4000k, and 14,227 lumens & 115 LPW at 5000k.*
- Heavy-duty, spring-loaded hinge provides the flexibility of focusing light near the mounting surface or projecting light forward.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Watertight, compression-type electrical connectors prevent moisture intrusion.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Die cast aluminum housing with durable, dark bronze, powder coat paint.
- Durable, UV-resistant polycarbonate lens.
- Removable, threaded plugs for side attachment of ½" rigid electrical conduit, or for button photocells.
- Easy installation in new construction or retrofit.



* 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 (-20°C to 40°C / -4°F to 104°F).
- IP65 rated.
- Complies with FCC Part 15 class B.
- Complies with EN61000-4-5, surge immunity (2kV LEDWPCA80W, 4kV LEDWPCA120W).
- View Signtex Warranty for further details

FIXTURE ORDERING INFORMATION *EXAMPLE:* WPC-80-9L-MV-3K-ELC10P2

WPC

SERIES	POWER WATTS	LUMENS[2]	VOLTAGE	COLOR TEMPERATURE	OPTIONS[1]
WPC	80 124	9L 9,000Lm 14L 14,000Lm	MV 120-277VAC	3K 3000K 4K 4000K 5K 5000K	ELCPXX Emergency Lighting Control PB Button photocell PN Pencil photocell *"XX"= VARIES WITH FIXTURE SIZE AND POWER. SEE OPTIONS TABLE FOR COMPLETE PART NUMBER.

[1] See Option Detail Tables

[2] Average values. Contact factory for specific value.

Signtex Inc LIGHTING
INTELLIGENT EMERGENCY LIGHTING SYSTEMS

ELECTRICAL DATA

MODEL	COLOR TEMPERATURE	CRI[1]	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/ WATT	INPUT VOLTAGE[2]	INPUT CURRENT (A)			POWER FACTOR	THD[3]	L_{70} Hours[4]
							120V	240V	277V			
WPC80W3K	3000K	>80	8,821	110	80	120-277	0.67	0.33	0.29	>0.90	<20%	69,000
WPC80W4K	4000K	>80	9,056	113	80	120-277	0.67	0.33	0.29	>0.90	<20%	69,000
WPC80W5K	5000K	>80	9,241	116	80	120-277	0.67	0.33	0.29	>0.90	<20%	69,000
WPC120W3K*	3000K	>80	13,106	106	124	120-277	1.04	0.52	0.45	>0.90	<20%	69,000
WPC120W4K	4000K	>80	13,976	111	124	120-277	1.04	0.52	0.45	>0.90	<20%	69,000
WPC120W5K	5000K	>80	14,227	115	124	120-277	1.04	0.52	0.45	>0.90	<20%	69,000

[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

* Note: Model WPCA20W3K is not DLC listed, and luminaire lumens are estimated at 95% of LEDWPCA120W-4K lumens.

PHOTOMETRIC DATA

• IES Files and Zonal Lumen Summaries and Polar Diagrams

OPTIONS

EMERGENCY LIGHTING CONTROLS (ELC)

For use with Central Battery Systems (purchased separately)

MODEL	OPTION CODE			
	ELC10P2	ELC14P2	ELC20P4	ELC40P4
	EM Lumens[1]	EM Lumens[2]	EM Lumens[1]	EM Lumens[2]
WPC43	1250	1750	-	-
WPC74	1250	1750	2500	5000

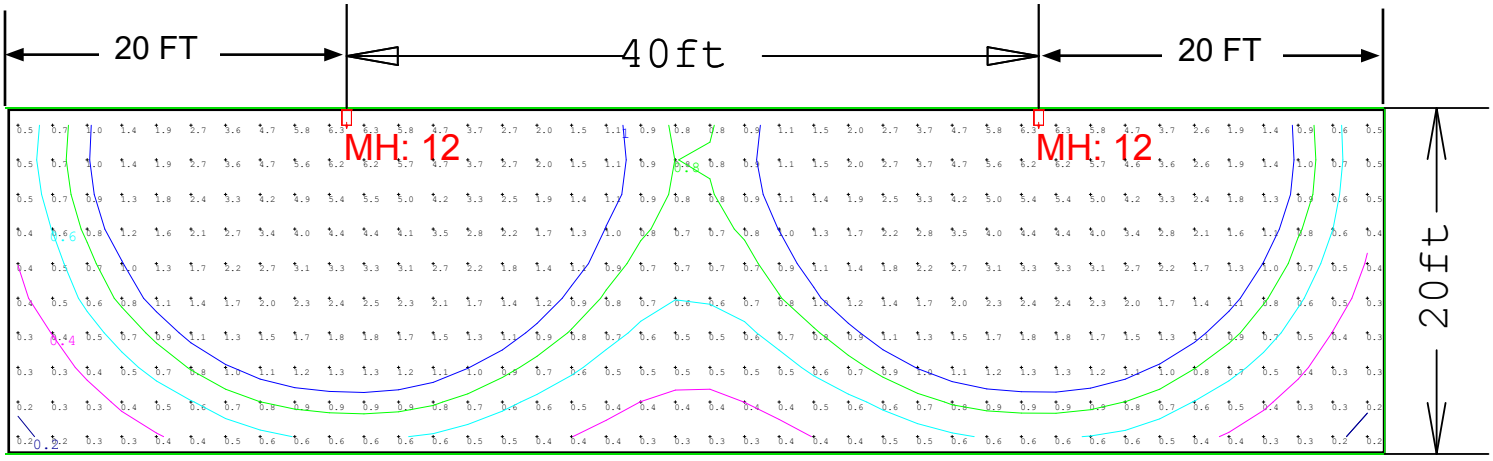
[1] Minimum [2] Maximum
Note: Lumen output is factory adjustable. Contact factory for specific values.
Learn more about ELC's on our website, www.signtexinc.com.

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:

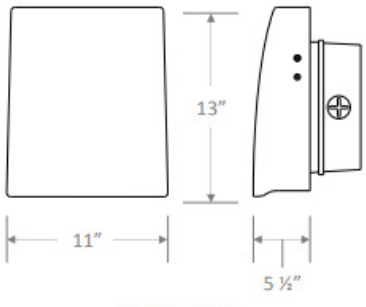
LIGHT LOSS FACTOR = ELC Emergency Power (Watts)*/ Fixture Normal Power (Watts)
LLF = ELC Emergency Power* (Watts) *Power value and ELC Type are given in the OPTION CODE above.
Fixture Normal Power (Watts) Example: ELC10P1 = 10 Watts Emergency Power for 90 mins: Package Type P1

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
WPC74	ELC20P4	20 Watts	2543	0.27	12 FT.	1.65 Fc	31.50

DIMENSIONS



Weight: 5.0 lb.