



Field Installable LED Emergency Drivers

Installation flexibility. Reliability. Code compliant.

The Power Sentry® field installable emergency LED drivers provide unambiguous and user friendly emergency lighting solutions for specific Acuity Brands® fixtures which have been tested in accordance to UL924 and NFPA 101, and verified by independent certification organizations.





Dependability and optimum compliance to the Life Safety code are the hallmarks of Power Sentry emergency lighting solutions. The Power Sentry output isolation technology in these products ensures that no single fixture component failure or combination of abnormal operating conditions, including feedback from any fixture component, is allowed to compromise the integrity of the emergency system.

These UL classified emergency LED drivers provide more than 90 minutes of illumination when there is an AC power loss. An IC-rated remote enclosure is also offered to provide installation flexibility.

To determine the field installable Power Sentry product for an Acuity Brands® luminaire, simply follow these steps:

1. Go to <http://www.acuitybrands.com/brands/components/power-sentry>, click to open the Product Selection Tool and enable content.
2. Next, enter the CI Code or catalog # of the luminaire.
3. Click on search and the correct Power Sentry CI Code, catalog # and link to the wiring diagram will be displayed.

Field Installation Guide

Product Group	Fixture Family	 PS730L 7W @ 30VDC	 PS750L 7W @ 50VDC	 PS1030 10W @ 30VDC	 PS1050 10W @ 50VDC
Indoor	ACL			●	●
	ALL			●	●
	AVL			●	●
	BZL				●
	FSL			●	●
	GTL			●	●
	RTL			●	●
	SBL			●	●
	TL2			●	●
	VTL			●	●
	LBL			●	●
	STL				●
	WL			●	●
	BRW	●			
	RD4M			●	
	SPM	●			
Industrial	HZL		●		
	ZL		●		
	TZL		●		

How to Calculate Delivered Lumen in Emergency Mode

Use the formula below to determine the delivered lumen in emergency mode.

$$\text{Delivered Lumen} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 7W for PS730L and PS750L; P = 10W for PS1030 and PS1050

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

Minimum Mounting Separation of Battery Back up from Driver and Maximum Luminaire Mounting Height

Fixture Family	Minimum Distance of Battery Pack from Driver	Alternative Mounting	Max Mounting Height (ft)
2ACL2	Remote mount only		17
2ACL4	Remote mount only		19
ALL4	3 inches	Remote mount	27
2ALL2	Remote mount only		27
2ALL4	Remote mount only		27
AVL4	Remote mount only		45
2AVL2	Remote mount only		24
2AVL4	Remote mount only		24
2BZL2	Remote mount only		20
2BZL4	Remote mount only		20
2FSL2	Remote mount only		17
2FSL4	Remote mount only		17
GTL4	3 inches		21
2GTL2	Remote mount only		21
2GTL4	Remote mount only		21
RTL4	6 inches	Remote mount	30
2RTL2	Remote mount only		21
2RTL4	6 inches	Remote mount	21
SBL4	Remote mount only		18
2SBL2	4 inches for less than 6000 lumen; remote mount for 6000 or more lumen	Remote mount	18
TL4	3 inches	Remote mount	25
2TL2	Remote mount only		25
2TL4	Remote mount only		27
VTL4	6 inches	Remote mount	17
2VTL2	Remote mount only		18
2VTL4	Remote mount only		17
LBL4	4 inches for less than 6000 lumen ; remote mount for 6000 or more lumen	Remote mount	20
STL2	Remote mount only		23
STL4	Remote mount only		20
WL2	Remote mount only		25
WL4	Remote mount only		25
HTZL1	4 inches	Remote mount	19
ZL1	4 inches	Remote mount	19
TZL1	4 inches	Remote mount	19
BRM9	5 inches	Remote mount	14
BRW9L	5 inches	Remote mount	14
RD4M	Remote mount only		14
SPM9L	Remote mount only		19

