

## 18" Edge Lit LED Surface Mount

 Ceiling mounted .  

### Description:

The P810018 delivers a solution for both residential and commercial markets. This surface mounted luminaire measures 18" in diameter with an overall height of 1". The edge lit luminaire provides a bright and evenly illuminated surface in a very slim profile. The integrated LED power supply does not protrude into the junction box, allowing for compatibility to 4" octagonal, 4" round shallow and 4" round PVC junction boxes. In addition, the P810018 is wet location rated, Title 24 – JA8 – 2016 listed, Energy Star listed and is a cost effective solution for fire rated applications (when installed onto a fire rated junction box). The P810018 luminaire combines modern aesthetic, new technology, performance, cost and safety benefits.

### Specifications:

- White (-030) (painted)
- Polycarbonate Construction
- White polycarbonate diffuser
- Simple installation to steel mounting plate
- Light weight polycarbonate luminaire construction
- PMMA diffuser controls glare and provides an evenly illuminated surface
- Integrated DC LED power supply capable of flicker-free dimming to 10% brightness with many Triac/Forward Phase dimmers (See Dimming Notes)
- Can be installed to 4" octagonal j-box, 4x1/2" round shallow j-box and 4" round PVC j-box
- Suitable for use in IC or Non-IC applications
- Meets California Title 24 JA8-2016 and is Energy Star listed
- Dimmable to 10% brightness (See Dimming Notes)
- 6" of wire supplied
- ENERGY STAR® qualified

### Performance:

Input Power	23w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW (Delivered)	2175/94 (LM-79)
CCT	3000 K
CRI	90
Life (hours)	50,000 (L70/TM-21)
FCC	FCC Part 15 Class B
Min. Start Temp	-30 °C
Warranty	5 year warranty
Labels	ENERGY STAR® qualified

## P810018-030-30

### Images:



### Dimensions:

Diameter: 18"

Height: 1-1/8"

**Photometrics:**

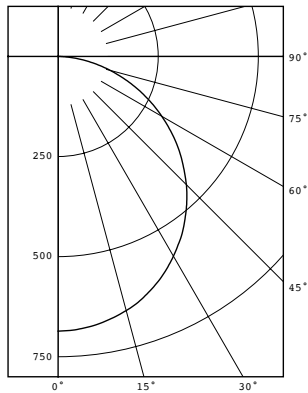
**P810018-030-30**

**ELECTRICAL DATA      P810018-030-30**

Input Voltage	120 V
Input Frequency	60 Hz
Input Current	0.195
Input Power	23
Power Factor	
THD	<20%
FCC	FCC Part 15 Class B
Operating Temperature	-30 °C to
Dimming	Yes*
Over-voltage, over-current, short-circuit protected	
*See Dimming Notes for more information	

**P810018-030-30**

LED Light Engine: 3000 K 90  
 System Wattage: 23  
 Fixture delivered lumens: 2175  
 Fixture Efficacy: 94  
 Spacing Criteria: 1.25



**CANDELA DISTRIBUTION**

DEG	CANDELA	LUMENS
0	686	
5	682	65
15	657	185
25	609	280
35	540	337
45	453	349
55	353	315
65	244	242
75	135	142
85	35	40
90	0	

**ZONAL LUMEN SUMMARY**

ZONAL ZONE	LUMEN LUMENS	SUMMARY %FIXT
0-30	531	27.1
0-40	868	44.4
0-60	1532	78.3
0-90	1957	100.0
90-180	0	0.0
0-180	1957	100.0

## P810018-030-30

### Dimming Notes:

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P810018 is designed to be compatible with many ELV/Reverse Phase, Triac/Forward Phase controls.

The following is a partial list of known compatible dimmer controls.

### Dimming Controls

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Lutron NTELV-300

Lutron DVELV-300P

Lutron DVCL-253P

Lutron Caséta

iDevices – IDEV0009

Leviton 6681

Leviton 6672

Lutron AYCL-153P

Lutron TGCL-153PH

Lutron NTLV-600

Lutron MAELV-600

Lutron AWRMG-EAW

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation.

Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.