

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Rated Lumens (lm)	Diameter (in)	Diameter (mm)	Beam Angle	Color Temperature	CRI	Input Voltage (V _{AC})	Wattage (W)	LPW	Case Qty.
74100	PL-FLAT-AC-1500-927-120V-G1	1395	6.7	170	120°	2700K	>90	120V	15	91	20
74101	PL-FLAT-AC-1500-930-120V-G1	1376	6.7	170	120°	3000K	>90	120V	15	89	20
74102	PL-FLAT-AC-1500-835-120V-G1	1650	6.7	170	120°	3500K	>80	120V	15	107	20
74103	PL-FLAT-AC-1500-840-120V-G1	1790	6.7	170	120°	4000K	>80	120V	15	118	20
74104	PL-FLAT-AC-2500-927-120V-G1	2370	9.4	240	120°	2700K	>90	120V	25	93	20
74105	PL-FLAT-AC-2500-930-120V-G1	2298	9.4	240	120°	3000K	>90	120V	25	90	20
74106	PL-FLAT-AC-2500-835-120V-G1	2774	9.4	240	120°	3500K	>80	120V	25	109	20
74107	PL-FLAT-AC-2500-840-120V-G1	3051	9.4	240	120°	4000K	>80	120V	25	120	20

Ordering Guide

PL	-	FLAT	-	AC	-	1500	-	9	27	-	120V	-	G1
LED Module Family		Family category		AC input		Lumen Output		CRI	Color Temperature		Input Current		1st Generation
PL = PrevaLED®								9 = >90 8 = >80	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K		120V _{AC}		

Accessories

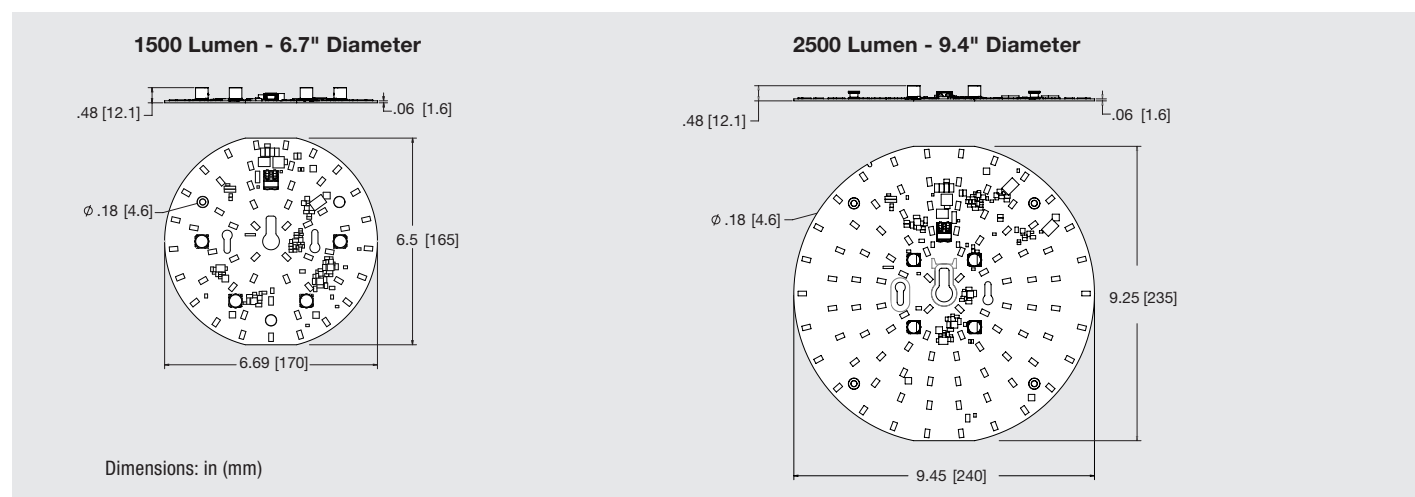
Item Number	Ordering Abbreviation	Diameter	Case Qty.
74109	PL-FLAT-AC-170mm-TPC	6.7" (170mm)	20
74110	PL-FLAT-AC-240mm-TPC	9.4" (240mm)	20

It is mandatory to use the above touch protect accessory for all retrofit kit installations. Please refer to the retrofit kit installation guide for more information.

Minimum and Maximum Ratings

Parameter	Values
Maximum temperature at T _c	90°C
Modulation at 120Hz	<40%
Performance temperature	75°C
Ambient temp range	-20°C to 50°C
Max storage temperature	75°C

Assembly Diagram

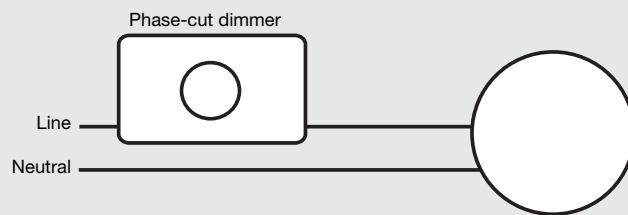


Dimmer Compatibility

Brand	Model	Brand	Model
LUTRON	S-600	LEVITON	6633-P
LUTRON	S-600P	LEVITON	Sureslide 6615-POW
LUTRON	S-603P	LEVITON	DECORA 6631
LUTRON	DVELV-303P	LEVITON	VIZIA VPE-06

Note: The absence of a dimmer from this chart does not necessarily imply incompatibility. Please reference the dimmer manufacturer's instructions for installation.

Wiring Diagram



Assembly Information

1. Carefully attach the module to heat sink to adequately dissipate thermal power.
2. Refer to Application Guide (LED459) for detailed assembly information.

Safety Information

WARNING: ONLY QUALIFIED PERSONNEL SHOULD PERFORM INSTALLATION.

TO AVOID ELECTRICAL SHOCK OR COMPONENT DAMAGE, DISCONNECT POWER BEFORE ATTEMPTING INSTALLATION OF THE POWER SUPPLIES AND/OR MODULES.

Failure to install the power supplies and/or LED modules in accordance with the National Electric Code (NEC), all applicable Federal, State and local electric codes as well as the specific Underwriter's Laboratories (UL) safety standards for the installation, location and application may cause serious personal injury, death, property damage and/or product malfunction.

1. For safety reasons the LED light engine must not be operated if the housing is damaged.
2. The LED engine needs to be built into a luminaire.
3. Suitable only for operation with line voltage.
4. Conducting paths on the circuit board must not be damaged or destroyed during installation.
5. The LED module itself and all its components may not be mechanically stressed.
6. It is recommended to use a thermal interface material (TIM) though it is not mandatory due to the high efficiency of the LED module. By using the TIM an even better thermal connection can be achieved.
7. The LED module should be mounted to a heat sink with M3 screws or suitable accessories. Maximum tightening torque for mounting screws needs to be observed as excessive force may damage the housing.
8. Protect against splashes!
9. Damage by corrosion will not be honored as materials defect claim. PrevaLED Flat AC is recommended for indoor use only (IP20). It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.
10. To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
11. Do not remove the cover or the safety glass from the LED module. Do not operate an LED module when the safety glass is broken, missing or cracked.
12. Installation of LED module needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installation.
13. Pay attention not to exceed the maximum operation temperature of 90°C at the Tc point when the modules are used in an enclosed environment.
14. The design of the housing/luminaire should be according to the IP standards applicable for the intended application.
15. For maximum safe operation per UL, refer to Conditions of Acceptability (CoA).
16. Maximum operating temperature for warranty coverage is 75°C.

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