

PS12-XXC-DIM Recommended Operating Conditions

No Dimmer connected:

Model	Input AC	LED VDC	
	Input Voltage Range	Voltage	Current
PS12-350C-DIM	103-132 VAC	17-35 VDC	350 mA
PS12-300C-DIM	103-132 VAC	28-44 VDC	300 mA
PS12-275C-DIM	103-132 VAC	28-44 VDC	275mA

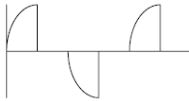
Dimmer connected:

All dimmers are not equal. The range of phase angle cut or AC voltage out varies significantly from model to model. At low dimmer setting this results in different minimum light or current and in some dimmers it results in zero light or current. Typically the PS12 driver will allow most dimmers to go to <5% of full dimmer light or current. Some dimmers allow the current to reduce much lower than this level and depending on the input line voltage and output voltage (number of LED's) there may be restart issues such as popping on and off several times or not starting at all. In this case the dimmer must be turned slightly higher to restart.

The PS12 will typically work on most dimmers with only 1 driver. However some dimmers may require 2 drivers to improve start up at very low dimmer settings.

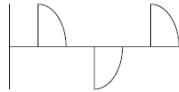
Recommended operating ranges:

Electronic and Trailing Edge Dimmers:



Model	Input AC	LED VDC @ Full Dimmer	
	Input Voltage Range	Voltage	Current
PS12-350C-DIM	103-132 VAC	22-35 VDC	350 mA
PS12-300C-DIM	103-132 VAC	28-44 VDC	300 mA
PS12-275C-DIM	103-132 VAC	28-44 VDC	275mA

Triac, Incandescent or Leading Edge Dimmers:



Model	Input AC	LED VDC @ Full Dimmer	
	Input Voltage Range	Voltage	Current
PS12-350C-DIM	112-132 VAC	22-35 VDC	350 mA
PS12-300C-DIM	112-132 VAC	28-44 VDC	300 mA
PS12-275C-DIM	112-132 VAC	28-44 VDC	275mA

(Driver will work to lower input voltages without damage but dimming range and restart at low dimmer settings may be affected)

Recommended Dimmers

Electronic

Lutron Diva DVELV-300P
 Lutron Maestro MAELV-600
 Lutron RadioRa RA-5NE
 Leviton VZE04
 Leviton ACE03

Incandescent

Lutron Diva DV-603P
 Lutron Maestro MAW-600
 Lutron TG600-P
 Lutron Skylark S-600P
 Leviton 6684
 Leviton 6633-P
 Legrand Trademaster DR703P
 Legrand Wattstopper DCD267-W
 Insteon 2486D
 Insteon 2476D