

High Efficacy Constant Current Driver for High Illuminance Applications

Features & Benefits

- Constant current design for highest efficacy
- Over-current, over-voltage and short circuit protection
- Includes mounting holes for mechanical attachment and pre-wired leads
- Low profile, small cross section design is easily configured into existing fluorescent as well as new luminaries
- Can be used to meet the requirements of CA Title 24, ENERGY STAR® and other green initiatives
- Low THD



Compatible Brillia LED Modules

Any Permlight constant current module See Brillia LED module specifications
 Harmonic Distortion..... <10%

Ratings and Performance Specifications

Power Consumption @ 120VAC.....	136W
Input Voltage	108-305VAC
Max Output Voltage.....	400VDC ± 0.5V
Output Current	300mA ± 15mA
Efficiency.....	>88%
Total Power Factor....	>0.95
Maximum Operating Range Ambient Temperature (Ta) *Note 3.....	-20 to +50 °C
Maximum Driver Case Temperature (@ designated temperature measurement point, TMP).....	+75 °C
Environmental	IP 65
Maximum Weight	1.5 pounds
Safety/Compliance	
Approvals pending	
RoHs Compliant	
Designed to meet FCC requirements for consumer use	
Designed to meet Class A sound rating	
Designed to comply with IEEE C.62.41-1991, Class A operation	

Application Notes

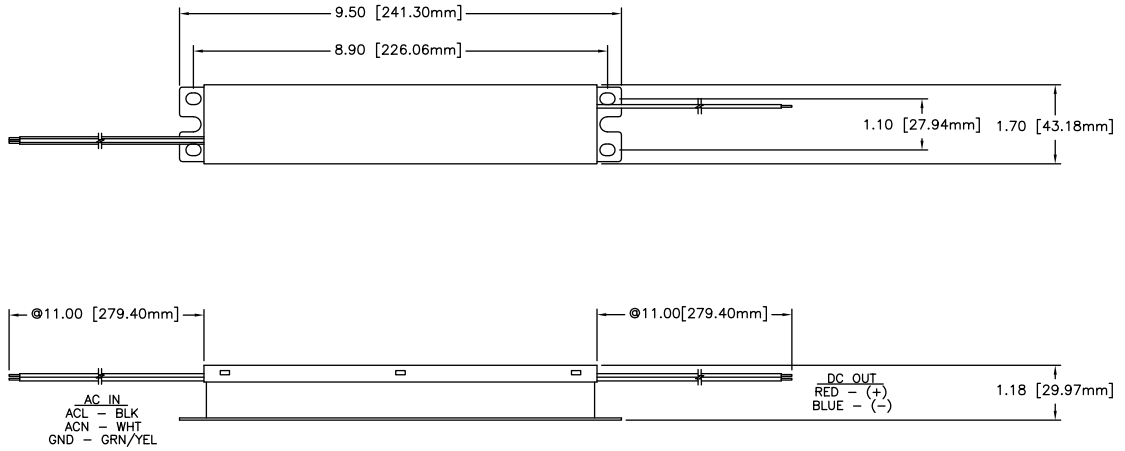
1. The proper LED Driver Case Temperature at the designated temperature measurement point (TMP) is critical to ensure proper performance and long life. Careful design consideration required for factors such as ambient conditions (for example weather and surrounding atmosphere inside exterior luminaries) and proximity to other heat sources such as LED modules and other heat generating LED devices.
2. Abnormal operating conditions such as high humidity or elevated operating temperatures can be expected to negatively impact lumen output, product lifetime, or product performance.
3. Derate 2.5 percent for each degree from 50 °C to 60 °C.



PS120-300C-120277

LED Driver

Physical Dimensions



Part Number	Nominal Input Voltage (VAC)	Nominal DC Current (mA DC)	Efficiency (% at Max Load)	Max Output Power (W)
PS120-300C-120277	120 to 277	300mA	> 88%	120

^[1]See www.BrilliaLED.com for compatible dimmers.

Options

No additional options available.....for questions, please email sales@brillialed.com

Packaging

Drivers are labeled with SKU and lot traceability information and shipped in packaging designed to protect the drivers from damage during transit.

Warranty

3-Year limited warranty in accordance with Brillia published warranty. Product must be used with compatible Brillia components (modules, drivers, engines and/or accessories) and no maximum ratings (such as TMP) shall be exceeded during any expected operating conditions of the system.

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