

Features & Benefits

- Constant voltage design allows driver to be combined with multiple Brillia LED modules
- IP67 rated case design provides protection for driver circuitry
- Over-current, over-voltage and short circuit protection
- Includes mounting holes for mechanical attachment and pre-wired leads
- Compact design is easily configured into existing and new luminaires
- Can be used to meet the requirements of CA Title 24, ENERGY STAR® and other green initiatives
- Integrated thermal protection to prevent thermal over heating



Required Brillia LED Modules

Any Brillia constant voltage design See Brillia LED module specifications

Ratings and Performance Specifications

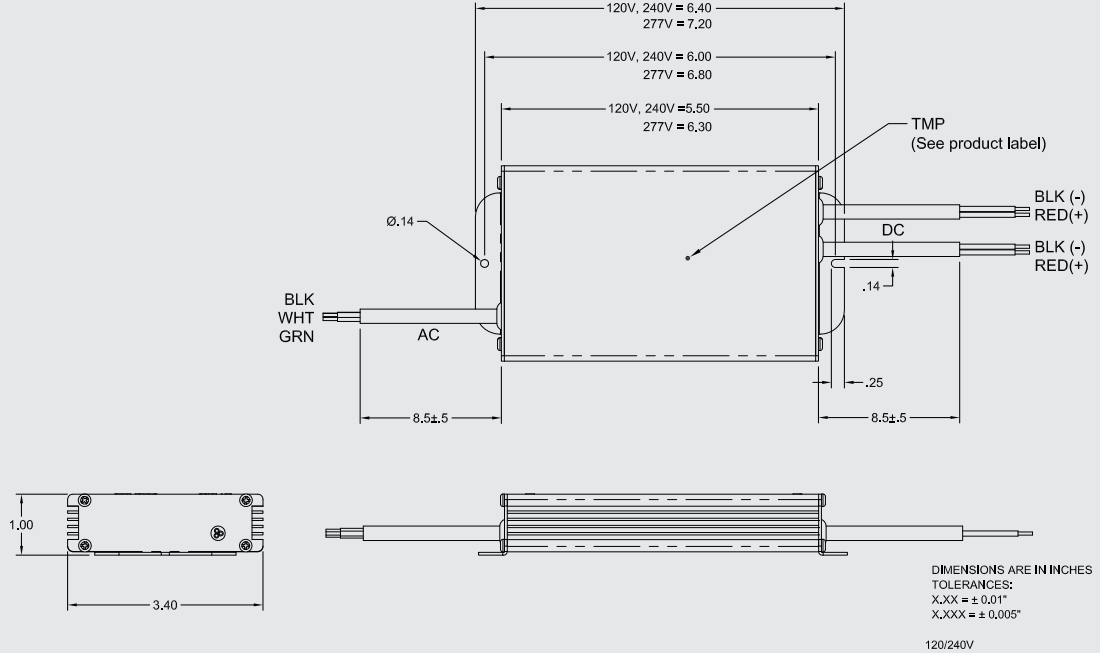
Nominal AC Power Consumption @ 120VAC, 240VAC, or 277VAC100W
 Nominal Input Voltage120VAC, 240VAC, or 277VAC
 Maximum Operating Range Ambient Temperature (Ta) -20 to +50°C
 Maximum Driver Case Temperature (@ designated temperature measurement point, TMP)..... +75°C
 Maximum Weight 592 grams (120V, 240V), 725 grams (277V)
 Safety/Compliance
 UL Class 2 Recognized Component E256805
 Output operating frequency ≥ 120Hz
 Meets FCC requirements for consumer use
 Class A sound rating
 Complies with IEEE C.62.41-1991, Class A operation
 IP67 rated case design

Application Notes

1. This driver contains multiple output channels. See “ordering information” section for details on maximum output per channel.
2. 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 luminaires) and proximity to other heat sources such as LED modules and other heat generating LED devices.
3. Abnormal operating conditions such as high humidity or elevated operating temperatures can be expected to negatively impact lumen output, product lifetime, or product performance.



Physical Dimensions



Part Number	Nominal Input Voltage (VAC)	Nominal Output Voltage (VDC)	Sample Values Efficiency (% at Max Load)	Max Output Power per Channel (W)	Output Channels	Nominal Input Voltage Dimmable
100-12DC-B	120	12VDC	80%	50W	2	No
100-12DC-B-240	240	12VDC	80%	50W	2	No
100-12DC-B-277	277	12VDC	80%	50W	2	No

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.

Additional Information

