

REVI 4-Channel Power Supply [100 Watts]

REVI-Drive-4-100W



PRODUCT DESCRIPTION

The REVI 4-Channel, 100 Watt Power Supply combines 4 Class 2 outputs to power up to 16 9V REVI downlights. The REVI 4-Channel Power Supply is designed for the low voltage integrator with a plug-in AC input, is DMX/RDM enabled to work with any control system, features smooth dimming to 0.1% and is configured for rack mounting. The REVI 4-Channel Power Supply features programmable drive currents and can power fixtures up to 200 feet away.

Ideal Application: Residential/Architectural downlights and pendants up to 2,000 lumens.

PRODUCT FEATURES

- Four independent and configurable Class-2 constant current outputs (200-1500mA, 25W Max)
- Smooth dimming with exceptional low-end performance (0.1% - 100%)
- Front side On/Off hard power switch
- Front side RJ45 DMX/RDM Configuration/monitoring port
- Rack mount chassis
- Simple RDM Configuration:
 - DMX start channel (Default: Channel 1)
 - Lost DMX signal (Default: 100%)
 - Device Label (specify a unique name for each power supply)
- Drive Current is configurable for each channel via REVI Configuration Key
- Number of Power Supplies that can be powered on a single 20A circuit:
 - 11 Power Supplies/20A circuit (de-rated to 16 Amps) at 100 Vac
 - 26 Power Supplies/20A circuit (de-rated to 16 Amps) at 230 Vac
- Warranty: 5-Year Limited
- UL Listed

TECHNICAL SPECIFICATIONS

Input	
Voltage	100-240 Vac
Frequency	50/60 Hz
Power Factor	>0.9
Rated Current	1.4A at 100 Vac / 0.61A at 230 Vac
Efficiency	86.5% at 120 Vac / 87.0% at 230 Vac

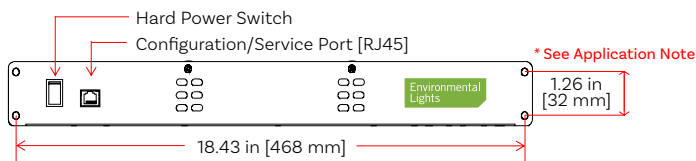
Output	
Power	100 Watts (25 Watts per Channel)
Drive Current	500 mA (configurable 200-1500 mA*)
Voltage Range	8-55 Vdc
System Power Cycle Delay	< 0.5 seconds
Output Ripple	20%

* Increasing the drive current may decrease the maximum Vf.

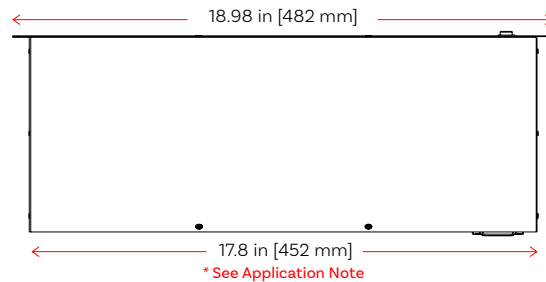
Environment	
Operating Temperature	- 35°C - 50°C
Operating Humidity	20-95% RH, non-condensing
Storage Temperature	- 40°C - 85°C
Storage Humidity	10-95% RH

MECHANICAL SPECIFICATIONS

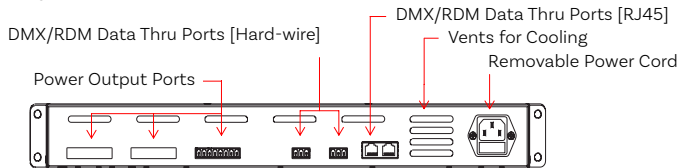
FRONT VIEW



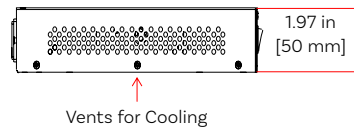
TOP VIEW



REAR VIEW



SIDE VIEW



Application Note: Please note vertical dimensions between mounting holes and width of the power supply body vary slightly from the EIA-310 Rack Standard. Adjustments may be needed to facilitate installation.

SYSTEM DESCRIPTION

The Environmental Lights Remote Voltage Illumination (REVI) system features flicker-free low voltage constant current drivers that deliver smooth and flicker free dimming down to 0.1% from up to 200 feet away (actual maximum distance determined by wire AWG). Available in multiple channel configurations, the power supplies feature DMX/RDM for easy system integration, control and monitoring. Environmental Lights REVI Systems are all built by integrators for integrators.

ADDITIONAL FEATURES

- Digital AC/DC Power Conversion
- Dimming Control down to 0.1%
- Flicker-free operation
- Surge Protection
- DMX/RDM Enabled
- Warranty: 5-Year Limited
- UL Listed

SYSTEM DIAGRAM

- 4-Channel 100 W Power Supply (25 Watts per Channel)
- Fixtures (to be wired in series)

Each Class-2 Channels has the capacity to control up to:

- (4) x LE1 - 9 Volt, 4.5 Watt Fixtures
- (2) x LE1 - 18 Volt, 9 Watt Fixtures
- (1) x LE1 - 36 Volt, 18 Watt Fixtures

