



REMOTE DRIVER UNIT-12

Model 1.1 | 12-port LED | 25 - 50V DC/700mA | Lutron Quantum® System

Overview

The Project Frog 12-port Remote Driver Unit (RDU-12) integrates with Lutron 5-Series LED Drivers to power a range of LED fixtures at loads of up to 50W.

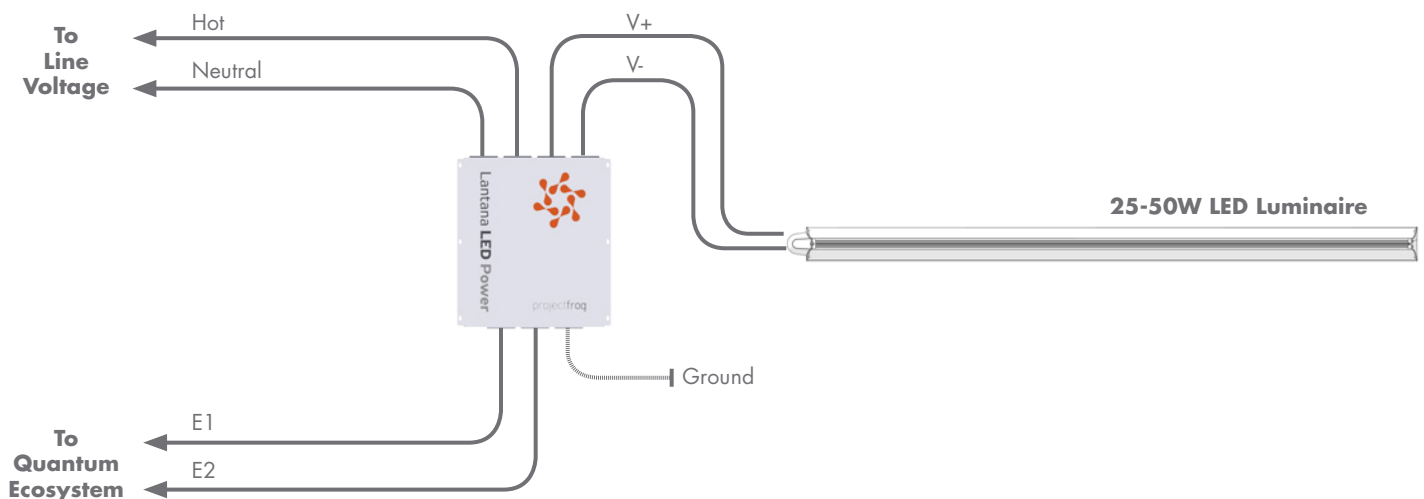
The RDU-12 provides remote and centralized AC to DC power conversion, converting 120-277VAC input power to low-voltage DC for distribution to Class 2 LED luminaires. The RDU-12 allows for simple, cost-effective lighting installations and reduces the need for thermal management at the fixture.

The RDU-12 provides individual power and Lutron Quantum-ready control to up to 12 drivers and features a quick and easily wall-mount installation.



Standard RDU-12 Configuration

Wiring Diagram for Lutron Quantum® System



Fixture and driver case must be grounded in accordance with local and national electrical codes; ground connection to driver must be accomplished through grounding the case.

Specifications

Mechanical

- Dimensions: 22" (442mm) W x 24" (64mm) H x 4" (556mm) D
- Weight: 23lbs (10.43kg)
- For indoor use only
- Operating temperature: Pending UL Testing
- Storage temperature: -4°F to 158°F; -20°C to 70°C
- Operating humidity: 10% to 80% RH non-condensing
- Storage humidity: 5% to 95% RH non-condensing
- Designed for wall mount
- Minimum top/bottom clearance of 6" (153mm)

Electrical Input

- Options:
 - 277VAC/1.8A, 50-60Hz
 - 120VAC/4.2A, 50-60Hz
- Max power consumption: 705W

Driver Output

- 12 individually controlled power and control ports
- Smooth dimming range from 5-100% of power
- Constant current source
- Full-load driver efficiency: 85% @ 277VAC, 84% @ 120VAC
- Per port DC output: 36-50V DC/700mA
- Fully loaded power factor: 0.97 @ 277VAC, 0.99 @ 120VAC
- Fully loaded power dissipation: 105W

Compliance Pending

- Class 2 electrical device
- UL/cUL pending
- Made in the U.S.A

Standard RDU-12 Assembly

