



## ENG-3-4834-250

Redwood® Engine, Generation 3, 200–250 Vac

### General Specifications

Brand	Redwood®
Generation	3
Product Type	Engine
Application	Powers and communicates with Redwood gateways, sensors, and wall switches   Provides communications and control for all types of lighting
Includes	Redwood® operating system
LED Indicators	Channel status   Network activity   Power
Marketing Feature	Link multiple engines together to power and control thousands of fixtures   Significantly reduces energy consumption
Mount Type	Rack   Wall
Package Quantity	1
Rack Type	EIA 19 in
Rack Units	1.5
Storage	Non-volatile memory for configuration

### Dimensions

Depth	555.75 mm   21.88 in
Height	63.50 mm   2.50 in
Width	441.96 mm   17.40 in
Front/Back Clearance Required, minimum	152.40 mm   6.00 in
Weight	10.43 kg   23.00 lb

### LED Driver Specifications

Power/Data Ports, quantity	48
Driver Efficiency, maximum	83 %
Output Current per Port	100–700 mA
Output Power per Port, maximum	34 W
Output Voltage Range per Port	18–53 Vdc
Power Dimming Range	10–100%
Power Dissipation	375 W   1280 Btu/h
Power Factor	0.99 @ 200–250 Vac

### Mechanical Specifications

Communications Port Interface	RJ45
Communications Ports, quantity	2

### Electrical Specifications

ANSI/TIA Category	5e   6   6A
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Input Voltage	200–220 Vac/12A   230–250 Vac/10A
Power Consumption, maximum	2200 W
Power Frequency	50–60 Hz

## Environmental Specifications

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Cooling	3 internal fans
Environmental Space	Indoor
Operating Humidity	10%–80%, non-condensing
Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Storage Humidity	5%–95%, non-condensing
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Safety Standard	AS/NZS CISPR 22   C-tick   c-UL-us   CE   CEC Title 24-2008   IEC 60950   IEC 61000-4.5, Class 4   NEC Article 725 Class 2   UL 60950   UL-us   US FCC Part 15, Class A

## Regulatory Compliance/Certifications

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**Agency**  
RoHS 2011/65/EU

**Classification**  
Compliant

