

Issue 20190410 – April 2019

SENG-1-4834-277



smartengine, Generation 3, 277 Vac

GENERAL SPECIFICATIONS

Brand	smartengine
Generation	3
Product Type	Engine
Application	Powers and communicates with smartgateways, sensors, and wall switches Provides communications and control for all types of lighting
Includes	smartengine operating system Twist lock power cord
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 mount kit 7 Feet Blue Pepper
Rack Type	EIA 19 in
Rack Units	1.5
Storage	Nonvolatile memory for configuration

DIMENSIONS

Depth	555.75 mm 21.88 in
Height	63.50 mm 2.50 in
Power cord length	3556 mm 140 in
Width	441.96 mm 17.40 in
Front Clearance Required, min. ..	152.40 mm 6.00 in
Back Clearance Required, min. ...	152.40 mm 6.00 in
Weight	10.43 kg 23.00 lb

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LED-DRIVER SPECIFICATIONS

Power/Data Ports, qty 48
Driver Efficiency, max. 83%
Output Current per Port 100-700 mA
Output Power per Port, max...... 34 W
Output Voltage Range per Port ... 18-53 Vdc
Power Dimming Range..... 10-100%
Power Dissipation..... 375 W | 1280 Btu/h
Power Factor 0.98 @ 277 Vac

MECHANICAL SPECIFICATIONS

Communications Port Interface... RJ45
Communications Ports, qty 2
Power Cord Plug Standard..... NEMA L7-15P

ELECTRICAL SPECIFICATIONS

ANSI/TIA Category 5e | 6 | 6A
Input Voltage 277 Vac/8A
Power Consumption, max...... 2200 W
Power Frequency 50-60 Hz

ENVIRONMENTAL SPECIFICATIONS

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 | NEC Article 725 Class 2 | UL 60950 |
 UL 924 | UL-us | US FCC Part 15, Class A
Safety Standard Note Only engines with a 15-digit serial number and factory installed Software
 Version 3.2.0 or later are UL 924 tested and certified

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REGULATORY COMPLIANCE/CERTIFICATIONS

Agency	Classification
RoHS 2011/65/EU	Compliant

