



Driving Your Vision

A division of Endicott Research Group, Inc.

GEN55PGWUV1.4A-D12V

Constant Current, 55W, 470-1400mA,
Programmable, Dimmable, Class P

2601 Wayne Street, Endicott, NY 13760 • www.ERGLighting.com • 1-800-215-5866

Product Description

Driver Type: Constant Current	Total Output Power: 55W
Input Voltage Range: 120~277Vac +/- 10%	Selectable Outputs: Wireless
Dimming: 0 - 10V	Warranty: 5 years
Certifications: UL8750	Protections: voltage; current; short circuit, temperature
Dimming Range: <1% - 100%	Aux Output: 12 Vdc at 200mA

Applications

LED Tube • Light Panels • Linear Fixture

Performance Specifications

Model Number	Max Output Power	Output Current	Output Voltage	Efficiency	Remote Mounting Distance (#18AWG)	Class 2	
						US	Canada
GEN55PGWUV1.4A-D12V	55W	470-1400mA	20 - 39V	84%	26 ft.	√	√

ELECTRICAL SPECIFICATIONS:		ENVIRONMENTAL SPECIFICATIONS/ SAFETY AND EMC COMPLIANCE:	
Input Voltage Range:	120~277Vac ± 10%	Operating Temperature:	-20 to 50°C
Frequency:	50/60Hz	Storage Temperature:	-40 to 85°C
Power Factor:	>0.9 @full load	Humidity:	5% to 95%
Inrush Current:	50A @277V	MTBF:	154,000 hours
Max Input Current:	0.66A @120V 0.30A @277V	Maximum Case Temperature:	90°C
THD:	<20%	UL/cUL	UL 8750, Class P, Type HL
Protection:	Over Voltage, Over Current, Short Circuit, and Over Temperature	FCC, 47CFR Part 15	Class B Consumer Limit
		CE	EN61347-1, EN61347-2-13
Withstand Voltage:	I/P – O/P 2,800Vdc, 2mA	EN61000-3-2	HCE Class C



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PHYSICAL DIMENSIONS:	
Length (L):	14.17"
Width (W):	1.18"
Height (H):	1.00"
Mounting (M):	13.78"
Weight:	0.47 kg

WIRE SPECIFICATIONS:	
Input:	Terminal block
Output:	Terminal block
Dimming:	Terminal block

WIRING DIAGRAM	LIFETIME vs CASE TEMPERATURE:																		
<div style="display: flex; justify-content: space-around;"> <div> <p>Input</p> <ul style="list-style-type: none"> Ground Neutral Live </div> <div> <p>Output</p> <ul style="list-style-type: none"> VO (-): LED load, negative (-) VO (+): LED load, positive (+) BTIN: For bluetooth module connection Aux 12Vdc (+): Auxiliary 12Vdc output, positive (+) RTN: Dimming and auxiliary output, negative (-) Dimming (+): Dimming, positive (+) NFC ANTENNA NFC </div> </div>	<p style="text-align: center;">Lifetime vs Case Temperature</p> <table border="1"> <caption>Approximate data points from Lifetime vs Case Temperature graph</caption> <thead> <tr> <th>Case Temperature (°C)</th> <th>Lifetime (K hrs)</th> </tr> </thead> <tbody> <tr><td>30</td><td>120</td></tr> <tr><td>40</td><td>120</td></tr> <tr><td>50</td><td>115</td></tr> <tr><td>60</td><td>85</td></tr> <tr><td>70</td><td>55</td></tr> <tr><td>80</td><td>35</td></tr> <tr><td>90</td><td>20</td></tr> <tr><td>100</td><td>10</td></tr> </tbody> </table>	Case Temperature (°C)	Lifetime (K hrs)	30	120	40	120	50	115	60	85	70	55	80	35	90	20	100	10
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