



**Driving Your Vision**

A division of Endicott Research Group, Inc.

## GEN40PGWUV1.4A-D12V

Constant Current, 40W, 470-1400mA,  
Programmable, Dimmable, Class P

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

### Product Description

<b>Driver Type:</b> Constant Current	<b>Total Output Power:</b> 40W
<b>Input Voltage Range:</b> 120~277Vac +/- 10%	<b>Selectable Outputs:</b> Wireless
<b>Dimming:</b> 0 - 10V	<b>Warranty:</b> 5 years
<b>Certifications:</b> UL8750	<b>Protections:</b> voltage; current; short circuit, temperature
<b>Dimming Range:</b> <1% - 100%	<b>Aux Output:</b> 12 Vdc at 200mA

### Applications

### Performance Specifications

LED Tube • Light Panels • Linear Fixture

Model Number	Max Output Power	Output Current	Output Voltage	Efficiency	Remote Mounting Distance (#18AWG)	Class 2	
						US	Canada
GEN40PGWUV1.4A-D12V	40W	470 - 1400mA	14 - 28V	83%	26 ft.	√	√

ELECTRICAL SPECIFICATIONS:		ENVIRONMENTAL SPECIFICATIONS/ SAFETY AND EMC COMPLIANCE:	
<b>Input Voltage Range:</b>	120~277Vac ± 10%	<b>Operating Temperature:</b>	-20 to 50°C
<b>Frequency:</b>	50/60Hz	<b>Storage Temperature:</b>	-40 to 85°C
<b>Power Factor:</b>	>0.9 @full load	<b>Humidity:</b>	5% to 95%
<b>Inrush Current:</b>	35A @277V	<b>MTBF:</b>	154,000 hours
<b>Max Input Current:</b>	0.49A @120V 0.22A @277V	<b>Maximum Case Temperature:</b>	90°C
<b>THD:</b>	<20%	<b>UL/cUL</b>	UL 8750, Class P, Type HL
<b>Protection:</b>	Over Voltage, Over Current, Short Circuit, and Over Temperature	<b>FCC, 47CFR Part 15</b>	Class B Consumer Limit
		<b>CE</b>	EN61347-1, EN61347-2-13
<b>Withstand Voltage:</b>	I/P – O/P 2,800Vdc, 2mA	<b>EN61000-3-2</b>	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-between;"> <div style="width: 45%;"> <p><b>Input</b></p> <ul style="list-style-type: none"> <li>Ground</li> <li>Neutral</li> <li>Live</li> </ul> </div> <div style="width: 45%;"> <p><b>Output</b></p> <ul style="list-style-type: none"> <li>VO (-): LED load, negative (-)</li> <li>VO (+): LED load, positive (+)</li> <li>BTIN: For bluetooth module connection</li> <li>Aux 12Vdc (+): Auxiliary 12Vdc output, positive (+)</li> <li>RTN: Dimming and auxiliary output, negative (-)</li> <li>Dimming (+): Dimming, positive (+)</li> <li>NFC ANTENNA</li> <li>NFC</li> </ul> </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>90</td></tr> <tr><td>70</td><td>65</td></tr> <tr><td>80</td><td>40</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	90	70	65	80	40	90	20	100	10
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