1500mA Programmable LED Driver

- 120-277V Input Voltage
- Class 2, 55W Constant Current Output with 0-10V dimming
- Full featured programmability with Wireless Programming

Performance

120 ~ 277 Vac	
0.56 /120V 0.24 / 277V	
65W	
50 - 60 (Hz)	
>0.95 @ max load	
< 20 % @ max load	
16V to 37V @ 1.50 Amps	
16V to 56V @ 0.98 Amps	
1500mA	
5mA	
55W	
< 2.8W @120Vac	
< 3.5W @ 277Vac	
±3 %	
±5 %	
<10% (Pk-Pk/avg)	
120V: 19A/303uS	
277V: 47A / 299uS	

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(-) LED (BLU)

(+) LED (RED)

(+) DIM (VIO) (-) DIM (GRY)

Physical	
Length	14.25 in
Width	1.18 in
Height	1.00 in
Mounting Length	13.75 in
Weight (lbs)	1.0 lbs
Wire Trap / Plug-in Connectors for 16-22 AWG Soli	d Wire
Strip length 0.33in	

Environmental	
EMI and RFI	Meets FCC part 15 (Class A)
	Non-Consumer Limits
Sound Rating	Class A
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Warranty Tc	85°C max for 50k Hr Life
Location Rating	UL Dry & Damp
Transient Protection	IEEE C62.41 2.5kV

Protection

Over Voltage, Under Voltage, Short Circuit, Over Temp Safety:

UL 8750 & CSA 250.13 UL Class P



Ordering Information

Order Number	Description	Qty/Carton
D15CC55UNVPW-C010C	1500mA 55W	10

Driver case or green ground terminal
must be grounded

LED

DRIVER

* Source impedance per NEMA 410

Wiring Diagram:

(WHT) NL

(BLK) LN

(GRN) GND



Application and operation performance specification information subject to change without notification.





Programmable Features

Output Current

Minimum Dimming Level

Dim-to-Off

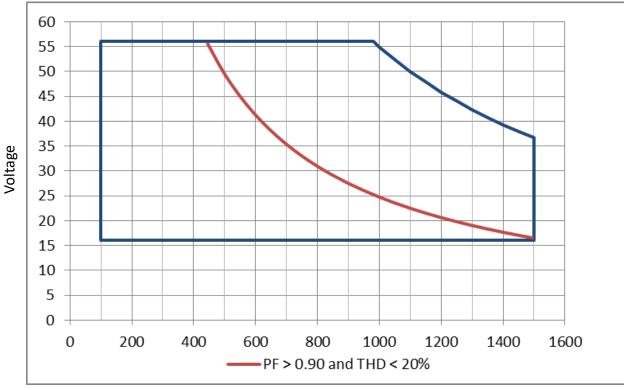
Dimming Curve

(Linear, Linear Soft Start, Logarithimc)

Lumen Maintenance

*Refer to application notes EVD10 and EVD11 at <u>www.unvlt.com</u> for additional information on programmable features.

Programming System	
Coffwara	EVERset Programming
Software	Software
Hardware	LDPC000A Configuration
	Tool
Driver Interface	Wireless via RFID



Driver Operating Range:

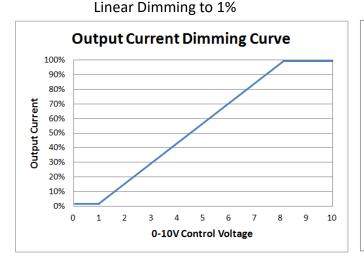
Current (mA)



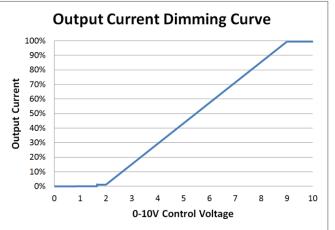
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0-10V Dimming



Linear Dimming w/ Dim-to-Off



* Driver ships with Dim-to-Off disabled. Dim-to-Off must be enabled through the EVERset programming software.

0-10V Analog Dimming Interface

- Analog 0 to 10 Vdc Voltage Control
- Use Violet (+) & Gray (-) for connection to 0-10 Vdc.
- 10V = maximum output
- 0V = dim-to-off or programmed minimum dimming level
- 0-10V interface can be wired as Class 1 or Class 2 Circuit.
- Driver will source a maximum of 165uA for control needs.
- Controller must sink current from the 0-10V control leads.

Feature	Range	Factory Default
Maximum Output Current	100 - 1500mA	default = 1500mA
Minimum Dimming Level	5 - 750mA	default = 15mA
Dimming Curve	(Linear, Linear Soft Start,	default = Linear
	Logarithmic w/ factor 1 to 7)	
Dimming Control Voltage Range		
Max Bright Control Voltage	7 - 9Vdc	default = 8Vdc
Min Dim Level Control Voltage	1 - 3Vdc	default = 1Vdc
Dim-to-Off	0.1 - 1.7Vdc	default = 0Vdc (disabled)

* Refer to application note EVD10 at www.unvlt.com for additional information on programmable dimming features.

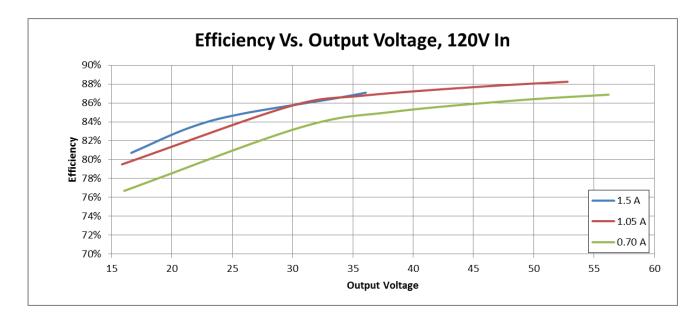


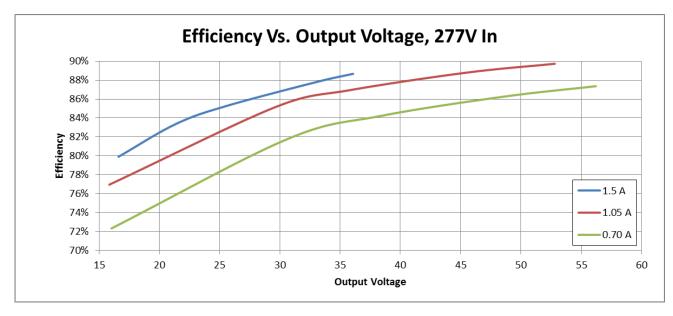
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Performance: Efficiency

Typical performance measurements are shown. The charts are to be used as a guideline and not for specification use.







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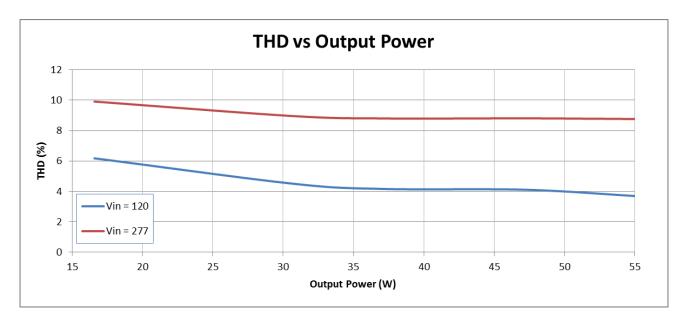
www.unvlt.com November 12, 2020

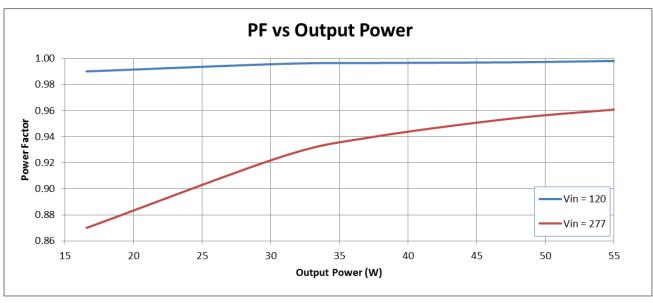
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Performance: Total Harmonic Distortion, & Power Factor

Typical performance measurements are shown. The charts are to be used as a guideline and not for specification use.





Output power based on maximum rated output current and varying load voltages.



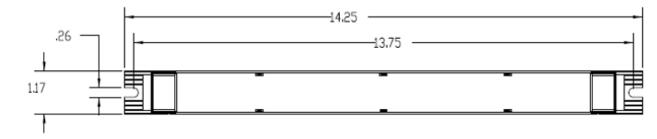
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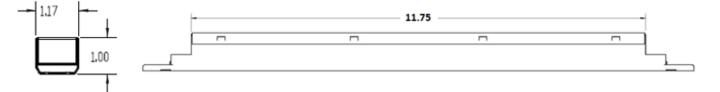
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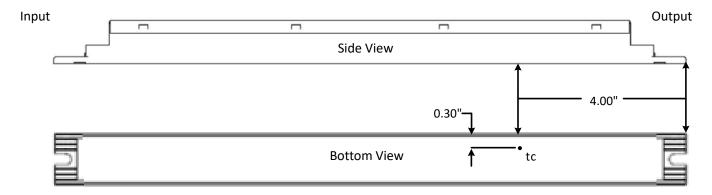


Dimensional Diagram:





Lifetime Tc Location:





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Transient Protection		
Transient	Differential Mode (L-N)	Common Mode (L-G, N-G, L&N-G)
IEEE C62.41 100kHz Ring Wave (200A maximum)	>2.5kV	> 2.5kV

Isolation				
Isolation	Input	Output	0-10V	Enclosure
Input	-	2xU + 1kV	2xU + 1kV	2xU + 1kV
Output	2xU + 1kV	-	2xU + 1kV	700V
0-10V	2xU + 1kV	2xU + 1kV	-	2xU + 1kV
Enclosure	2xU + 1kV	700V	2xU + 1kV	-

U = Max Input Voltage

FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warranty:

Universal Lighting Technologies warrants to the purchaser that each power supply will be free from defects in material or workmanship for a period of 5 years from the date of manufacture when properly installed per instructions and under normal operating conditions of use. Call 1-800-225-5278 for technical assistance.



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