

NanoDrive Series

24VDC 0-10V Dimmable CV LED Driver



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Class 2

MEETS
TITLE 24/JA8
REQUIREMENTS

Features

- 0-10V Dimmable
- Flicker-Free Dimming to 0.1%
- Super compact metal case
- Built-in wiring compartments with knock-out
- Universal 120-277VAC Input Voltage
- 90% efficiency
- IP65 rated for indoor and outdoor use
- ETL Listed - Class 2 Output
- Current limit over load protection



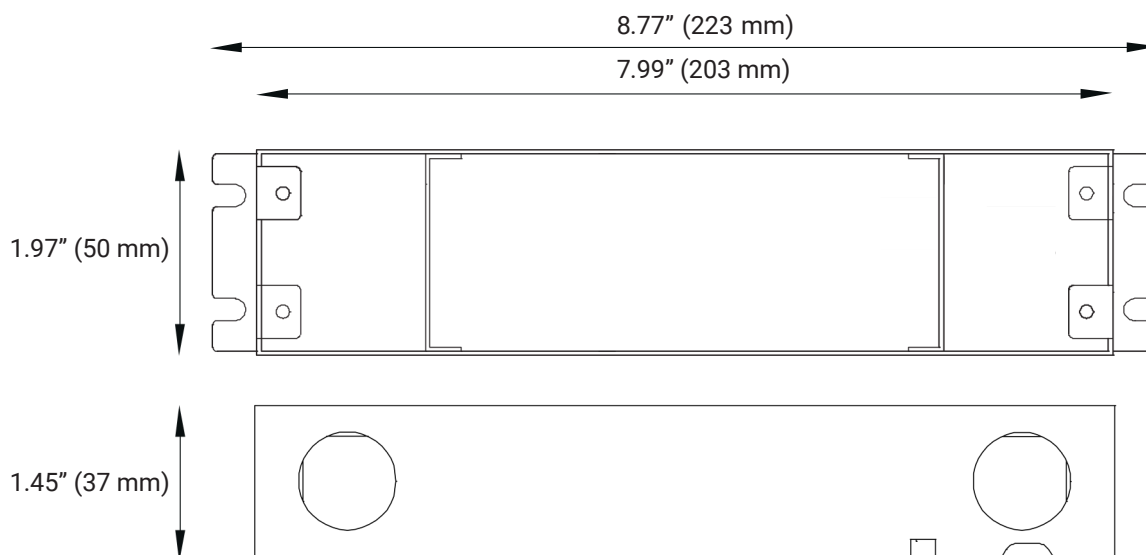
Dimming

Dimming Protocol:	0-10V
Min. Dimming Level:	0.1%
Dim to off:	Yes
Dimming Curve:	Linear
Current Consumption:	0.2mA Max Source / Sinc
Dimming type:	PWM (20KHz)

Applications

- LED strip
- LED tape
- Cove lights
- Linear lights
- Puck lights

Mechanical Diagrams



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Specifications

Input	Ordering Code:	NANO-40W-24DC	NANO-60W-24DC	NANO-96W-24DC
Input Voltage Range:		120-277VAC	120-277VAC	120-277VAC
Input Frequency:		50-60Hz	50-60Hz	50-60Hz
Input Current:		1.33A max	1.33A max	1.33A max
Inrush Current:		<50A	<50A	<50A
Efficiency:		88%	89%	90%
THD:		< 20%	< 20%	< 20%

Output

Output Voltage:	24VDC	24VDC	24VDC
Max Load:	40W	60W	96W
Output Current @ Max Load:	1.66A	2.5A	4A
Flicker Compliance:	California Title 24 / JA8	California Title 24 / JA8	California Title 24 / JA8
Output Ripple (Peak-to-Peak):	0.5V	0.5V	0.5V
Line Regulation:	+/-1%	+/-1%	+/-1%
Load Regulation:	+/-1%	+/-1%	+/-1%
Turn on delay time:	0.4s	0.4s	0.4s

Environmental

Operating Ambient Temp.:	40°F - 104°F (-40°C - 40°C)	40°F - 104°F (-40°C - 40°C)	40°F - 104°F (-40°C - 40°C)
Maximum Case Temp. (Tcase):	90°C	90°C	90°C
Ingress Protection (IP):	IP65	IP65	IP65
Cover type:	Screw	Screw	Screw
Expected Lifetime:	>50,000	>50,000	>50,000

Protection

Over Temp Protection:	Yes / Hiccup Mode	Yes / Hiccup Mode	Yes / Hiccup Mode
Over Load Protection:	Yes / Current Limit	Yes / Current Limit	Yes / Current Limit
Short Circuit Protection:	Yes / Hiccup Mode	Yes / Hiccup Mode	Yes / Hiccup Mode

Enclosure

Dimensions:	1.97" x 1.45" x 8.77"	1.97" x 1.45" x 8.77"	1.97" x 1.45" x 8.77"
Material:	Metal Sheet	Metal Sheet	Metal Sheet
Finish:	Black Powder Coat	Black Powder Coat	Black Powder Coat
Connection type:	Lead Wire / J-box	Lead Wire / J-box	Lead Wire / J-box
Weight:	0.62 lbs	1.56lbs	1.56lbs

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Wiring Diagrams

