



NEVALO SSL System

15W Triac Dimmable LED Driver
350mA Constant Current

Features

- › High efficiency, 80% typical
- › Power factor >0.95
- › UL recognized, Class 2 isolation
- › Dimming to less than 10%
- › Compatible with most leading-edge and trailing-edge dimmers
- › Protection
 - › 4 wire output thermal protection
 - › Short circuit
 - › Input high voltage
 - › Over voltage
 - › Over current
- › Dry and damp location compatible
- › 5 year warranty with NEVALO System

The NEVALO 15W 350mA triac dimmable LED driver is a high efficiency, power factor corrected supply with a unique color coded, keyed interconnect design that helps deliver optimal power to LEDs. The driver is designed with built-in voltage and thermal protection and is warranted for 5 years when used with the NEVALO SSL System.

APPLICATIONS

- › Retail and light commercial
- › Downlights
- › Track and spots
- › Wall mount

MECHANICAL CONSTRUCTION

Body: GF PBT, Natural

Input Wire: 18AWG Stranded, UL 1007 PVC 300V,

- › Neutral - White
- › Line/Mains - Black

NEVALO Connector: GF LCP, Natural

ENVIRONMENTAL

Storage Temperature: -40°C to 85°C

Temperature (Max) T_c : 80°C

Max Ambient Operating Temperature: 50°C

Operational Life: 5 years

Humidity: 5-95% non-condensing

Sound: Class A

Vibration: EIA-364-28

ROHS Compliant: Yes

ELECTRICAL CHARACTERISTICS

	Parameter	Conditions	Min	Typ	Max	Units
Input	Voltage (V_{in})		108	120	132	VAC
	Frequency ($f_{req_{in}}$)		47		63	Hz
	Power Factor (PF)	$V_{in} = 120VAC$ at rated load	0.95			WVA
	Efficiency	I_o at rated load, $V_{in} = 110VAC$		80		%
	THD	$V_{in} = 120VAC$ at rated load			15	%
	Inrush Current (I_{in}) MAX	$V_{in} = 120VAC$			1	A
Output	Voltage (V_o)	At rated load	18		42	VDC
	Current (I_o)			350		mA
	Current Regulation			3	5	%
	Set Point Current Accuracy	$V = 108VAC-132VAC$			3	%
	Ripple Current (I_R)	No dimming		18		%
Dimming	Analog Dimming Resolution		1		100	%
	Start-Up Time	$V_{in} = 110VAC$ to 90% of full scale of I_o No dimmer or 100% of Full Scale Current 50% of Full Scale Current 10% of Full Scale Current 1% of Full Scale Current		.2 .5 1.0 2.5		s s s s
Protection	Over-Voltage Limit Threshold			YES		
	Output Current Short Protection			YES		
	Short and Open Circuit			YES		

Typical values are at $T_c = 25^\circ C$

nevalo.com
te.com

NEVALO SSL System

15W Triac Dimmable LED Driver

350mA Constant Current

ORDERING INFORMATION

Part Number	Output Power (W)	Nominal Input Voltage (VAC)	Output Current (mA)	Output Voltage (Min)	Output Voltage (Max)	System Budget
2154093-1	15	120 +/- 10%	350	18	42	18-42
*System Budget is a unique NEVALO SSL system feature that allows the appropriate LED Light Module (LLM) loading to the driver. Orange = 350mA and matches color coding on driver.						

DOCUMENTS

Click for link to document	
Product Specification	108-2450
Customer Drawing	2154093-1
IS sheet	408-10419

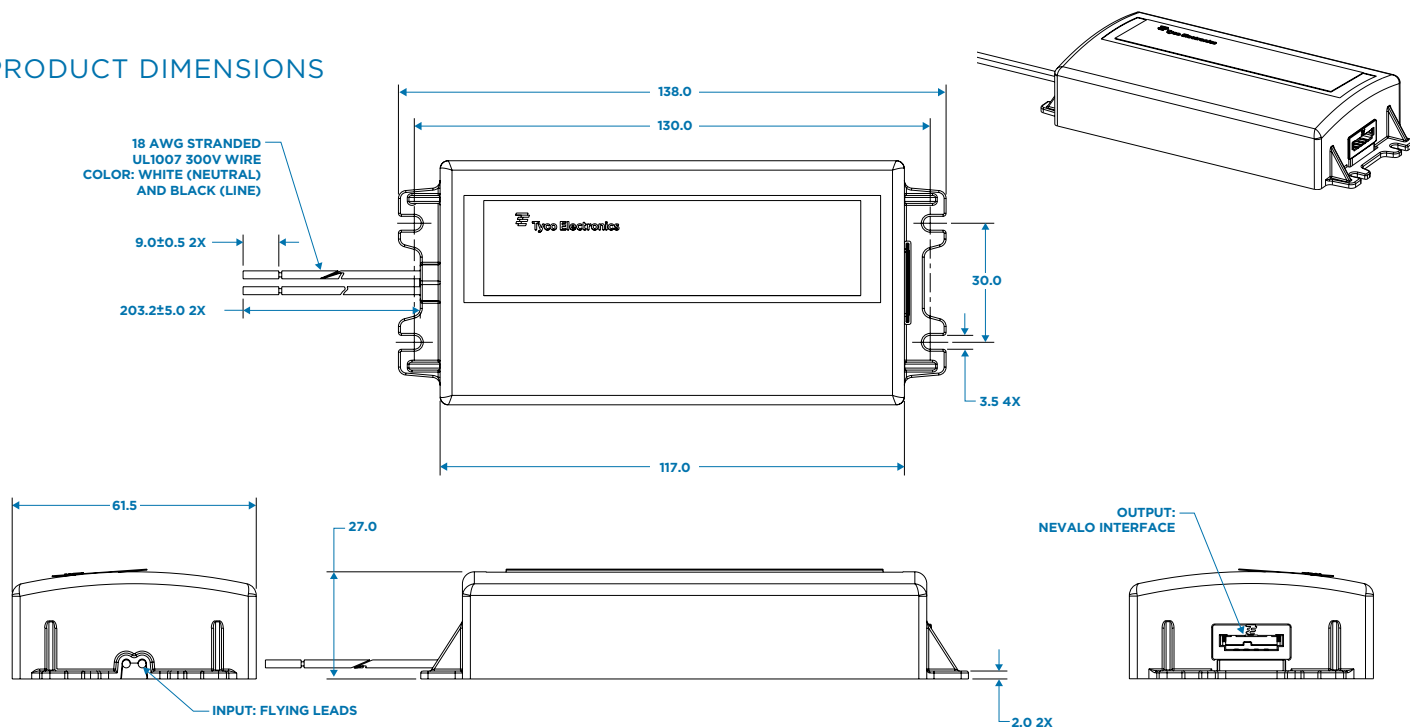
ELECTROMAGNETIC COMPATIBILITY

Parameter	Conditions
EMI Conducted and Radiated	FCC Title 47, Part 15, Class B
Surge Immunity	ANSI/IEEE C62.41. - 1991 100KHz ring wave 2.5KV level
ESD Immunity	EN61000-4-4, Level 2
As assembled into complete product	

APPROVALS

Parameter	Standard
USA Safety	UL 8750 Recognized, compliant to UL 1310
As assembled into complete product	

PRODUCT DIMENSIONS



nevalo.com
te.com

© 2011 Tyco Electronics Corporation. All Rights Reserved.
7-1773460-2 CIS PDF 05/2011
NEVALO, TE (logo) and TE Connectivity are trademarks of the TE Connectivity group of companies and its licensors.
Other products, logos, and company names mentioned herein may be trademarks of their respective owners.

