

NEXUS

12V 60W Dimmer + Driver Switch

Input Voltage: 120V

Output Voltage: 12V

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

NEXUS simplifies LED array lighting systems by combining an in-wall LED dimmer switch and power supply into a single integrated unit. NEXUS mounts in a standard in-wall switch box, accepts 120VAC and converts to 12V.

FEATURES

- LED Driver + In-Wall Dimmer Switch in one unit
- Simplifies LED installation by eliminating compatibility issues between driver and dimmer.
- Fits in a standard recessed electrical box.
- 100% - 5% Smooth dimming
- No minimum load
- Single pole preset dimmer with on / off switch
- Adjustable voltage output dial to address voltage drop
- Includes voltage barrier partition to install high and low voltage circuit in same switchbox
- No derating required when ganging units (operates loads up to 80% for best performance)
- Power failure memory: If power is interrupted, NEXUS will return to setting prior to interruption.

ELECTRICAL

Input Voltage: 120VAC, 50/60Hz

Output Voltage: 12V

Power Factor: >0.9 @ 120VAC 60Hz max load

Total Harmonic Distortion (THD): ≤20% @ 120VAC 60Hz max load. Tested to comply in accordance with IEC 61000-3-2

Stand-by Power: ≤0.5W

Efficiency: >91% @ 120VAC max load

In-Rush Current: Meets NEMA-410 requirement at any nominal input full sine wave voltage and maximum load at 25°C

Leakage Current: <500 µA @ 120VAC

Surge Transient: Tested to meet transient defined in IEC 6100-4-4; level 3 & IEC 6100-4-5, level 3

Dimming: Output voltage is adjustable via sliding lever Voltage Adjustment Dial: Increases output +1V to compensate for voltage drop from control to luminaire

Startup Time: The main supply output voltages remain within the regulation limit of +/- 3%

Protections: Short circuit, thermal runaway, and over voltage

Output Ripple Current: ≤20% of the rated output current @ 120VAC max load.

COMPATIBLE FIXTURES

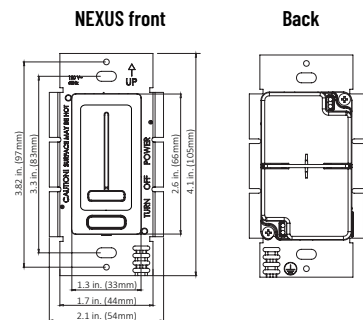
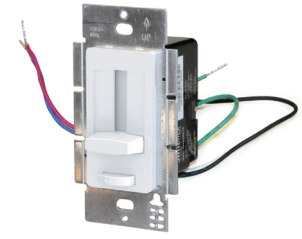
NEXUS is compatible with 12V systems

[NUTP4 Series](#) Standard Tape Light

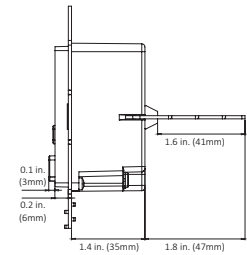
LABELS AND LISTINGS

- cULus Listed (US & Canada) Low Voltage, Wall Recessed Power Units. #E472619
- FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules
- RoHS Certified
- CE Certified
- Conforms to NEC Code 725.136 (See Mechanical Diagram): Class 1 and Class 2 circuit in same enclosure must be separated by a barrier (partition) unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 Circuits.
- 5-year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details are available at www.NoraLighting.com

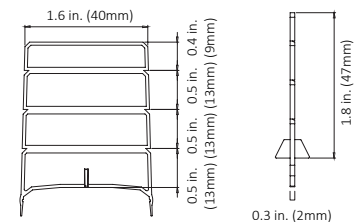
PRODUCT IMAGES & DIMENSIONS



Side w/ Voltage Barrier



Voltage Barrier



NEXUS - 12V 60W Dimmer + Driver Switch

Catalog No.

NATL-SWEX60/12A = 12V 60W Dimmer + Driver Switch, White finish

Example: **NATL-SWEX60/12A** = 12V 60W Dimmer + Driver Switch, White finish