NEXUS

24V Dimmer + Driver Switch
Input Voltage: 120V
Output Voltage: 24V

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 24V.

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: 24V
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 maxiumum load at 25ºC
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 runway, and over voltage
Output Ripple Current: ≤20% of the rated output current @ 120VAC max load.

COMPATIBLE FIXTURES

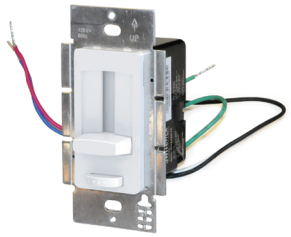
NEXUS is compatible with 24V systems

NMP2-A	24V Josh Adjustable Puck Light
NMP2-LED	24V Josh Fixed Puck Light
NUTP5	24V Hy-Brite Tape Light
NUTP8	24V High Output Tape Light
NUTP9	24V Side-Lit Tape Light
NUTP14	24V COB High Output Tape Light
NUTP15	24V COB Standard Output Tape Light
NUTP51	24V Continuous Hy-Brite Tape Light
NUTP71	24V Continuous Standard Tape Light
NUTP81	24V Continuous High Output Tape Light
NULB	24V Lightbar Silk SBC

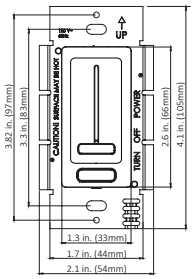
LABELS AND LISTINGS

- 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

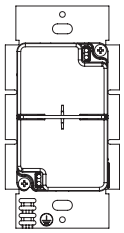
PRODUCT IMAGES & DIMENSIONS



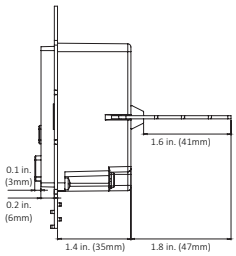
NEXUS front



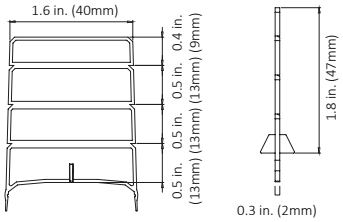
Back



Side w/ Voltage Barrier



Voltage Barrier



NEXUS - 24V 100W Dimmer + Driver Switch

Catalog No.

- **NATL-SWEX60/24A** = 24V 60W Dimmer + Driver Switch, White finish
- **NATL-SWEX100/24A** = 24V 100W Dimmer + Driver Switch, White finish

Example: **NATL-SWEX100/24A** = 24V 100W Dimmer + Driver Switch, White finish

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