

SWITCHEX®

Dimmer & Driver, 120 VAC to 12VDC or 24VDC

PRODUCT DESCRIPTION

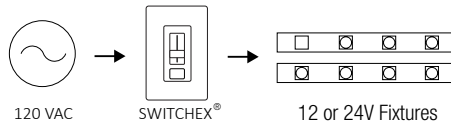
SWITCHEX® simplifies LED array lighting systems by combining an in-wall LED dimmer switch and power supply into a single integrated unit. SWITCHEX® mounts in a standard in-wall switch box, accepts 120VAC and converts to 12VDC or 24VDC. SWITCHEX® is compatible with Nora Lighting's LED Tape Light, LED Lightbar, LED Puck, and LED Flexlight.

FIXTURE

- First 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 push switch
- Adjustable voltage output dial to address voltage drop
- Includes voltage barrier partition to install high and low voltage circuit in same switch box
- No derating required when ganging units
- Power failure memory: If power is interrupted, SWITCHEX® will return to setting prior to interruption
- Includes 3 face plates: Glossy White, Glossy Light Almond, and Glossy Dark Brown (Decora trim plates not included).
- Available in 12V 60W max and 24V 100W max

APPROVED FIXTURES

- 12V and 24V LED Tape Light
- 24V LED Lightbar
- 12V LED Puck
- 12V LED Flex Light



INPUT

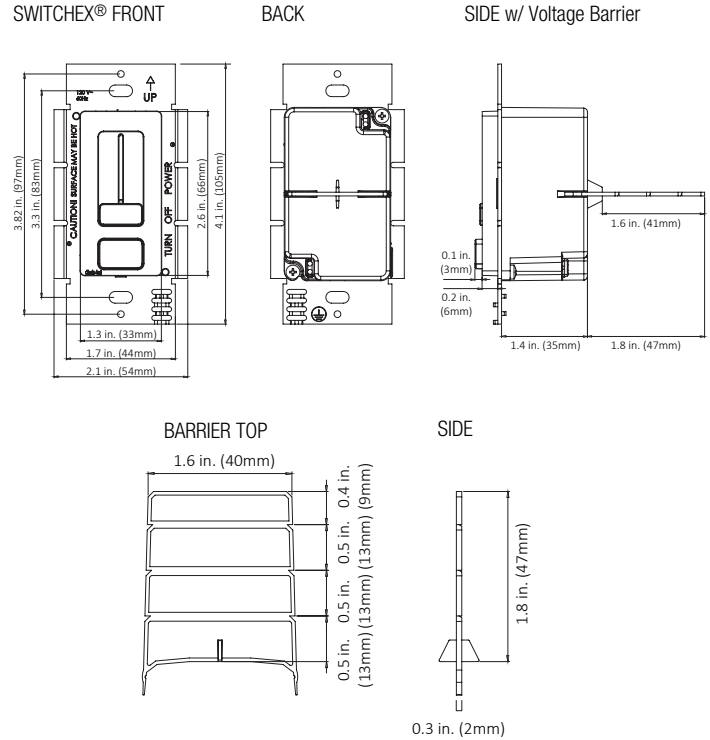
- Input Voltage: 120VAC (108 ~ 132VAC), 50/60Hz (47 ~ 63Hz)
- Power Factor: ≥0.9 @ 120VAC 60Hz max load
- Total Harmonic Distortion (THD): ≤20% @ 120VAC 60Hz max load. Tested to comply in accordance with IEC 61000-3-2.
- Stand-by Power: ≤0.5W.
- Efficiency: >91% @ 120VAC max load
- Input Current: <1.0A @ 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: <500µA @ 120VAC.
- Surge/Transient: Tested to meet transient defined in IEC 6100-4-4
- level 3 & IEC 6100-4-5, level 3.

OUTPUT

- 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.

Type
Project
Catalog No.
Lamp/Wattage

DIMENSIONS



LISTING & WARRANTY

- 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

ENVIRONMENTAL REQUIREMENTS:

- Indoor use only
- Ambient Operating Temperature: 0°C to 40°C
- Humidity: 8 ~ 90% relative humidity, non-condensing

SWITCHEX® Dimmer & Driver

NATL-SWEX100/24: 24V 100W Dimmer and Driver

NATL-SWEX60/12: 12V 60W Dimmer and Driver