

OVERVIEW

The nLight nPS 80 EZ dimming pack controls LED luminaires with 0-10V LED drivers from eldoLED. This smart device results in the luminaire being "nLight enabled" - making it both addressable as well as capable of digitally communicating with other nLight enabled controls such as occupancy sensors, photocells, and WallPods. This allows for advanced operation and design flexibility ranging from stand-alone rooms to building and campus-wide networks.

The nPS 80 EZ device also provides energy saving lumen management. With lumen management the device actively manages the luminaires LED light output such that constant lumen output is maintained over system life, thus preventing the energy waste created by the traditional practice of over-lighting.

An nPS 80 EZ is compatible with all eldoLED 0-10V drivers, however a nIO EZ PH device is also an option for controlling eldoLED ECOdrive (1%) family drivers with an auxiliary power output.

FEATURES

- Optimized for eldoLED drivers
- Communicates w/ nLight Network
- Supplies 40mA of Bus Power / RJ-45 port
- Remotely configurable/upgradeable
- Push-button programmable
- Extended Chase Nipple
- Plenum rated

SPECIFICATIONS

Size: (not including 1/2" chase nipple): 3.38" H x 2.53" W x 1.83" D (8.59 cm x 6.43 cm x 4.65 cm)

Weight: 6 oz

Mounting: 1/2" knockout, (7/8" hole) on box or fixture

Color: White (standard)

Operating Voltage: 120/240/277VAC, 347VAC (with 347 option)

Frequency: 50/60Hz

Operating Temp: 14°F to 156°F (-10°C to 69°C)

Relative Humidity: 20-90% non-condensing

Network connection: (2) RJ45 ports

Bus Output Current/Voltage: ~ 40 mA / port (non-ER units only)

Max Dimming Load: Sinks 75mA; 0-10VDC drivers

Wires (all wires 600V rated): Standard: 20 AWG (2), 18 AWG (4)

RoHS Compliant, Title 24 System Component, cULus Listed

Warranty

Five-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

AcuityControls™

nLight®

nPS 80 EZ
Dimming Power Pack



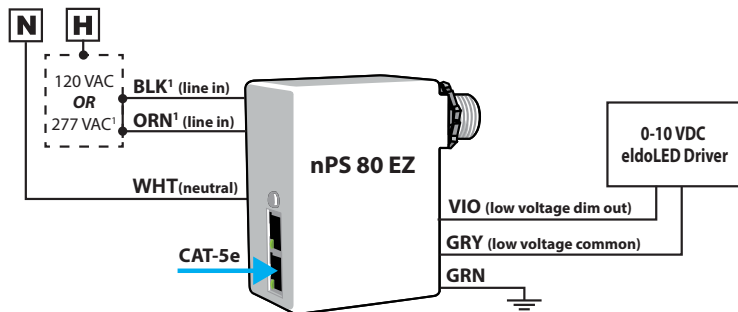
ORDERING INFORMATION

nPS 80 EZ		Example: nPS 80 EZ ER LT			
Series	Default Mode	Voltage	Lumen Compensation	Temp/Humidity	
nPS 80 EZ	[blank] Auto-On PA70 Auto-On to 70% (Partial-On)	[blank] 120/277VAC 347 120/347VAC	[blank] Lumen comp. (disabled by default) N80 Lumen comp. (enabled by default)	[blank] Standard LT Low temp	

WIRING (DO NOT WIRE HOT)

T568B pin/pair assignment is recommended for all CAT-5e cables. For Supply Connections, use 14 AWG or larger wires rated for at least 75° C.

Diagram for standard units



Notes

1) BLK - 120 VAC, ORN - 277 VAC (or 347 VAC if unit has 347 option)

INSTALLATION INSTRUCTIONS

- Mount through a 1/2" knockout in any junction box or luminaire. Secure with lock nut.
- Following above wiring diagram, connect wires to line voltage feed(s), neutral(s), and load.
- Connect low voltage violet and gray dimming wires to 0-10 VDC driver leads and green wire to an approved ground connection. Note wires have 600V rated insulation.
- Interconnect unit (via RJ-45 ports) with other nLight devices in lighting zone using CAT-5e cables.

