



nLight® Adaptive Phase Dimmer



The nLight adaptive phase control dimmer (PCD) simplifies lighting control application, design, and installation. Available for nLight wired and wireless applications, the PCD is built to support multiple loads from low to high amperage. The PCD also controls various phase control dimming types and provides options for aiding in UL 924 compliance.

Features:

- **Simplify Designs:** The PCD eliminates complexity by automatically detecting if the connected load requires forward phase, reverse phase, magnetic low voltage (MLV), or electronic low voltage (ELV) control.
- **Premium Dimming:** Conforms to NEMA SSL 7A to provide premium control without flicker.
- **UL 924 Emergency Option:** Built-in emergency options allow the PCD to easily comply with emergency requirements, such as UL 924, and avoid the installation of separate emergency devices.
- **Comprehensive Control:** With the ability to control loads from 0A up to 16A, the PCD provides flexibility for renovation and new construction, avoiding the need to install more devices to break up large loads.



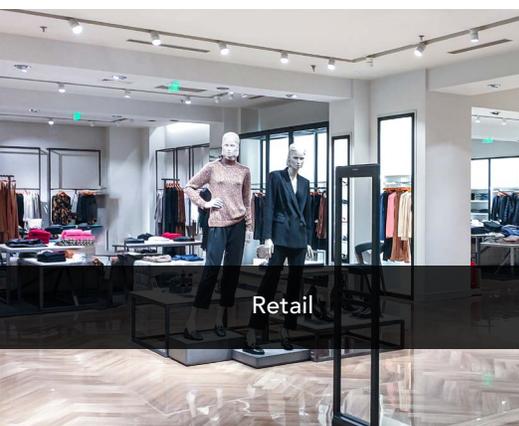
2024 LEDs Magazine
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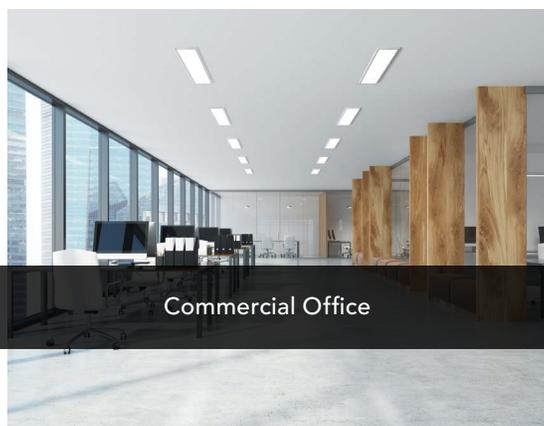
nLight Load Controller Portfolio

nLight offers a broad portfolio of load controllers to meet a variety of indoor applications. nLight load controllers include a programmable return to last state capability and UL 924 emergency options, among other features highlighted below.

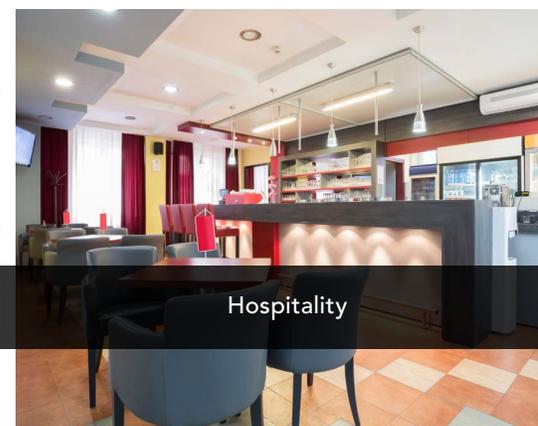
0-10V	 <p>nPP16</p>	nLight Wired	<ul style="list-style-type: none"> Relay and 0-10V dimming controls Switches lighting loads up to 16A Provides bus power to other nLight Wired devices Separate plug-load controller option nPP20 PL
	 <p>rPP20</p>	nLight AIR	<ul style="list-style-type: none"> Relay and 0-10V dimming controls Switches lighting or plug loads up to 20A +24VDC low voltage output option for nLight AIR occupancy sensors
	 <p>nPS 80 EZ</p>	nLight Wired	<ul style="list-style-type: none"> Controls LED luminaires with 0-10V LED drivers from eldoLED® Provides bus power to other nLight Wired devices
Phase Control	 <p>nPP PCD/rPP PCD</p>	nLight Wired nLight AIR	<ul style="list-style-type: none"> Forward and reverse phase dimming control of fixtures, (includes MLV and ELV) Automatic load-type detection Wired version provides bus power to other nLight Wired devices
DALI	 <p>nPS 80 DALI</p>	nLight Wired	<ul style="list-style-type: none"> DALI-2 Certified Enables communication to a single loop of up to 64 DALI drivers Provides DALI and nLight bus power
Embedded Controls	 <p>Luminaires with Embedded Controls by nLight</p>	nLight Wired nLight AIR	<ul style="list-style-type: none"> Embedded controls devices with built-in switching, dimming, occupancy, and photocell options Individually addressable



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