

## DISTRIBUTED LOW-VOLTAGE POWER SYSTEM LIGHTING SOLUTIONS

Cooper Lighting Solutions' Distributed Low-Voltage Power System combines power, lighting and controls into one simple yet brilliant solution. Low-voltage DC and advanced LED technology meet integrated controls to deliver a system that is flexible, sustainable and highly cost-effective. Whether you manage a single room or entire facility, you want a safe, cost-conscious, easy-to-configure system that simplifies energy code compliance. By implementing distributed low-voltage power along with LED lighting and controls, you maximize electrical efficiency and minimize installation and commissioning costs.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

Neo-Ray architectural luminaires with LED technology provide high efficacy, industry leading optical control, and low profile lighting solutions for a wide variety of commercial applications. The luminaire families shown are available in standard ceiling grid sizes, have a range of light (lumen) output choices, and a selection of color temperatures (CCT). Refer to the specification sheets for each family, found at [www.cooperlighting.com](http://www.cooperlighting.com)

Distributed Low-Voltage Power System compatible Neo-Ray luminaires use efficient Direct Current (DC) power from the DLVP system with a module factory-installed in the fixture housing. The module has two connectors for quick and easy wiring, using pre-terminated lighting cables with both power and control, and can be daisy chained. Using the DLVP system, each luminaire dims to off, can be configured to control zones, and can be controlled with optional wall stations, sensors and handheld remotes. Refer to the DLVP system specifications for additional information, features and benefits.

## NEO-RAY LUMINAIRES COMPATIBLE WITH DLVP



**Covera Suspended**



**Converge Suspended**

Neo-Ray luminaires are available in 2', 4', and 8' sizes where shown. The DLVP system is compatible with all sizes.

## ORDERING INFORMATION

### HOWTO SELECT:

Replace the following catalog logic characters for DLVP compatible luminaires. Refer to luminaire specification sheet for catalog logic and options.

Voltage	<b>48</b> = 48 Volt Class 2 supply
Driver Type	<b>LV1</b> = Low Voltage Dimming Driver (1%-100%)
Optional Emergency	<b>ELV7W</b> = 7-watt Low Voltage Integral EM Battery Pack <b>ELV14W</b> = 14-watt Low Voltage Integral EM Battery Pack

**Note:** Not available as standard product on structure mount configuration – contact factory if required

**Note:** Integral emergency battery pack is 7W or 14W maximum, 90 minute output. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 14=1400 lumens)

**Note:** Chicago Plenum option not available with the DLVP system

### EXAMPLE CATALOG LOGIC

With DLVP: S920DIP-W335-PT12S4-48LV1-W

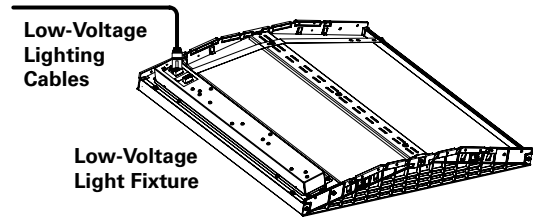
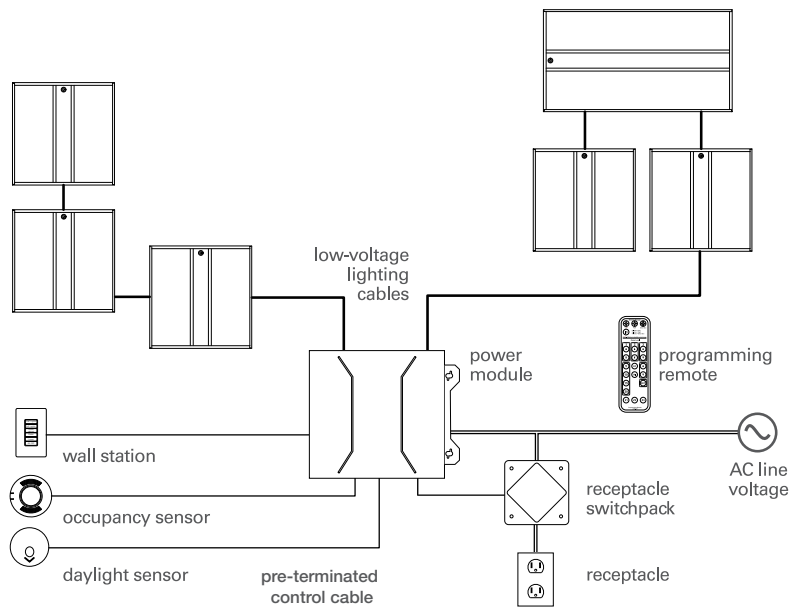
With DLVP and EM battery: S920DIP-W335-PT12S4-48LV1-W-ELV14W

Compatibility Details: Neo-Ray DLVP luminaires are compatible only with the DLVP system and require components of the system to operate correctly. The minimum system requirements are at least one compatible luminaire, one power module, and one low-voltage lighting cable.

Neo-Ray DLVP-compatible luminaries are:

- UL2108 listed
- Listed for dry locations only

SYSTEM OVERVIEW – DISTRIBUTED LOW-VOLTAGE POWER SYSTEM (DLVP)



Example system connection

**Note:** When optional integrated sensors are used on any one zone, all luminaires on a power module must have integrated sensors. Optional integrated sensor shown.

**Note:** Minimum system requires at least one luminaire, at least one power module and at least one low-voltage lighting cable.

**Refer to Distributed Low Voltage Power System documents for full details and operation**