

Specification Sheet - clipNslide™

Make your OEM projects unbelievably unique

Date : _____
 Client : _____
 Project : _____
 Type : _____
 Purchase order number : _____
 Quantity : _____




Designed to be integrated by OEMs in LED luminaires, the clipNslide™ power module is part of the HEICO lighting™'s Contactless LED System. The compact constant current power source can be used for suspended, in-ceiling and in-wall luminaire applications as well as cable lighting systems (refer to technical bulletin #27 "Wiring Guide" for the right wiring to be used with your application). The clipNslide™ is fully potted and suitable for use in dry, damp and wet environments (suitable for wet locations when used with power supply model LMPS-350). For fast and easy installation, the clipNslide™ modules clip on one electrical conductor connected to the LED Master Power Supply (LMPS). The AC power of the LMPS is fed by electromagnetic induction to the clipNslide™, eliminating electrical contacts and risks of corrosion. The built-in protection prevents any risks associated with a short, overload or general failure of the luminaire. The clipNslide™ is UL recognized and its output is compliant to Class 2 security extra low voltage (SELV).

Benefits

- More than 90% efficiency
- Patented induction power technology
- Adapts to mobility needs
- Customizable for you and your clients
- Fast and easy installation
- 5-year warranty
- Designed and manufactured in North America

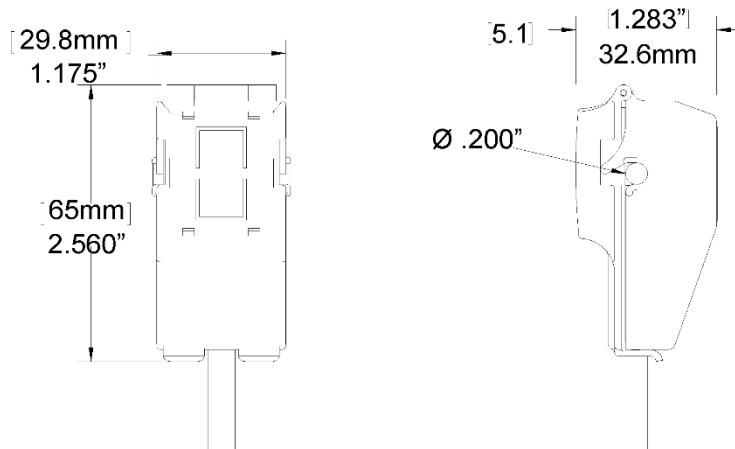
Characteristics

Input Power	Only from the following Class 2 power supplies: LMPS-350, LMPS-DC350 or LMPS-750
Dimming Option	Only with: LMPS-Dimmer Controller and LMPS-Dimmer Extender
Maximum Output Voltage	20 Volts
Output Current	Factory set at 350 mA or 700 mA
Maximum Output Power	7 Watts
Ambient Operating Temperature	-40 °F to 122 °F (-40 °C to 50 °C)
Operating Environment	Dry and damp locations (with LMPS-350 and LMPS-750), wet locations (only with LMPS-350)
Ingress Protection Rating	IP67
Warranty	5 years
Typical Weight (without wire)	0.183 lbs (83g)
Typical Housing (standard)	Plastic
Typical Wire length (standard)	12 inches (30.48 cm)
Listings	 Recognized Component LED Equipment for Use in Lighting Products

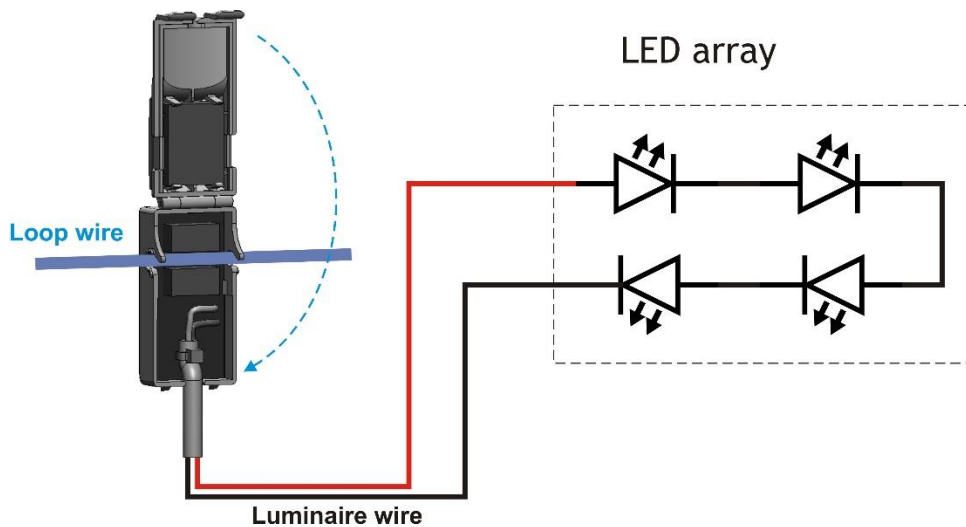


The clipNslide™ shall only be used with the following Class 2 power supplies: LMPS-350, LMPS-DC350 or LMPS-750. Failure to comply will void all warranties and UL/ETL listings.

Dimensions



Typical System Diagram

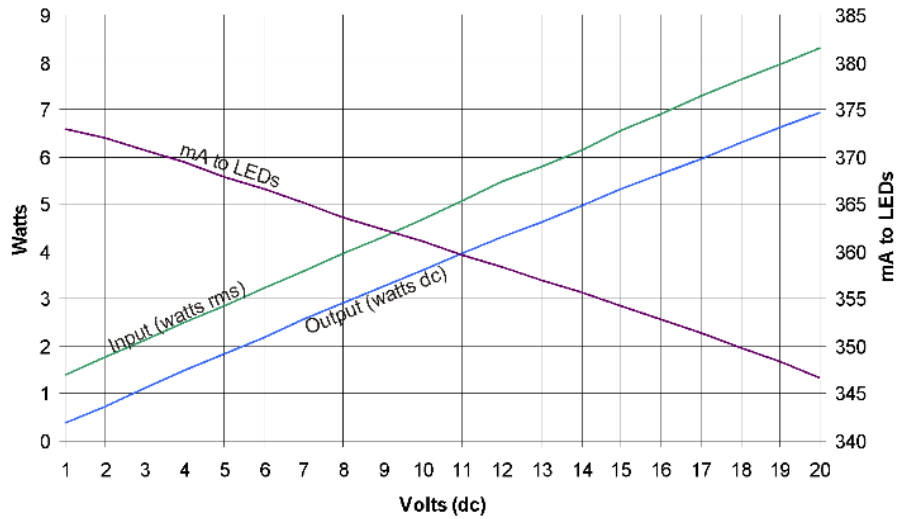


Important design notes:

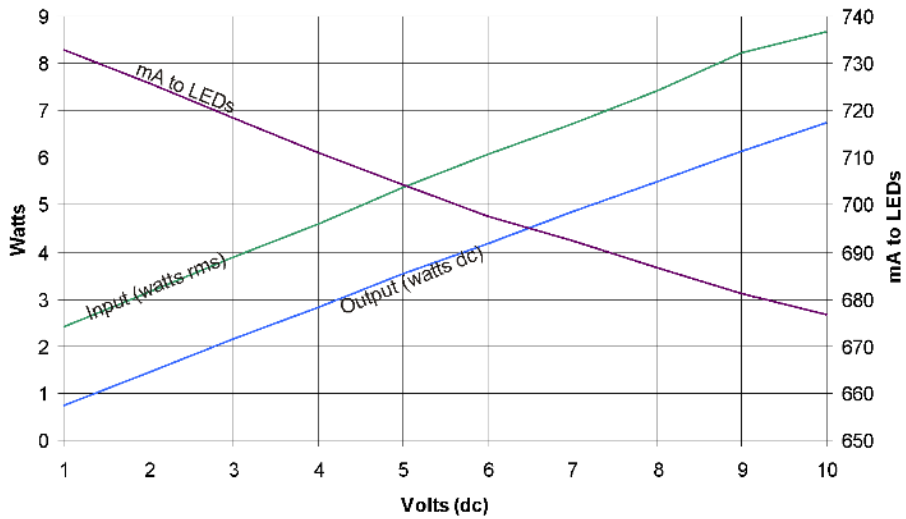
1. The 7 watts DC limit of the clipNslide™ must not be exceeded.
2. The number of LEDs that can be driven will vary according to each specific LED and the design of the LED array.
3. LEDs can be connected in series, parallel or series/parallel combination.
4. For other configurations refer to the "clipNslide™ design guide" (technical bulletin #12).

System Loading

Consumption (watts at 350 mA)



Consumption (watts at 700 mA)



Load calculation shall be done according to the chart corresponding to the clipNslide™ used.

Electrical Requirements

- To connect the clipNslide™ to the LMPs, use a 14 AWG UL or CSA listed loop wire approved for the purpose (see Typical System Diagram on page 2).
- When using a custom output wire, the size of the luminaire wire going to the LED array shall be 24 AWG minimum (see Typical System Diagram on page 2).
- The maximum allowable outside diameter for the electrical conductor is .200" (5.08 mm).
- Every clipNslide™ must be wired in series.
- The user shall be the sole party responsible for the certification of the system in which the clipNslide™ is used, for the proper design of the LED circuit and thermal dissipation properties, and for the safe mechanical installation of the clipNslide™, wiring system, mounting surfaces and any mounting hardware used.

Additional References

- For mandatory installation requirements and more details, refer to the "clipNslide™ Design Guide" (technical bulletin #12).
- For the specifications of the power supplies, refer to the LMPs-350, LMPs-DC350 and LMPs-750 specification sheets (documents 11126.007, 11978.002 and 11126.003).
- For more information on our dimmers, refer to the "LMPs-Dimmer Architectural Lighting Installation Guide" (technical bulletin #11).

Ordering Procedure

Select your options

Description	1 - Family	2 - Output Current	3 - Output Power	4 - Wire
Ordering code	<u>cNs</u>	_____	<u>Z</u>	_____

Example : cNs-350-7-STD12

Options

2 - Output Current

350 - 350 mA
 700 - 700 mA
 XX : _____

4 - Wire

STD12 - 12-inch standard red and black 18 AWG wire
 XX : _____

The clipNslide™ is part of HEICO lighting™'s Contactless LED system.

*For more information on our complete line of products, visit
www.heicolighting.com*

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