

# *The Right Idea*

Low Voltage LED Lighting System for Construction Lighting



*Can you see the future?*

*We can.*

# Integro

*Yes, we have it.*

# The Right Idea

The Right Idea is a Low Voltage LED Lighting System equipped with substantial energy and cost savings along with the ultimate safety solution. It is designed to retrofit existing 120VAC Power, consisting of: AC/DC Converter and 28VDC bulbs designed for the most optimal results.

The Right Idea is equipped with fast and easy set up along with the convenience of portability to meet and exceed lighting expectations. With streamers designed for the roughest environments and LED Bulbs equipped with the highest durability, the Right Idea can withstand the most rugged surroundings and is the ultimate solution for temporary lighting applications.

## LED Converter (4 Outlet)



4 Outlet Stationary Unit	
Description	Integro Part Number
4-Outlet, 15A, 6' Blunt Cut	11872/4-01
4-Outlet, 15A, 6' U-Ground	11872/4-02
4-Outlet, 20A, 6' 3M20 (Navy)	11872/4-03

Integro's AC/DC Converter is designed to convert 15A/120VAC input power to 15A/28VDC output power. It comes equipped with (4) or (2) 2 Pin molded Panel Mount Receptacles, rated 5A, 28VDC, each protected with 5 amp breakers. The enclosure is NEMA 4X Rated.

## LED Converter (2 Outlet)



2 Outlet Portable Unit	
Description	Integro Part Number
2-Outlet, 15A, 10' NEMA 5-15P	11931-01



Integro's 2 Wire Lighting Streamers include 2 Pin Male and Female Connectors molded to 12/2 Cable. Streamers are molded in either Synthetic Rubber or Thermoplastic Rubber with permanently molded sockets. Streamers are available in 25', 50', or 100' lengths, with and without guards.

LED Streamer			
Description	With Guard	Integro Part Number Neoprene Rubber (for roughest environment)	Integro Part Number Thermoplastic Rubber (for most heavy industrial environment)
12/2 Cable, 25' 5 Sockets, 5' Centers		11870-01-001	11888-01-001
12/2 Cable, 25' 5 Sockets, 5' Centers	•	11870-01-002	11888-01-002
12/2 Cable, 50' 10 Sockets, 5' Centers		11870-02-001	11888-02-001
12/2 Cable, 50' 10 Sockets, 5' Centers	•	11870-02-002	11888-02-002
12/2 Cable, 100' 20 Sockets, 5' Centers		11870-03-001	11888-03-001
12/2 Cable, 100' 20 Sockets, 5' Centers	•	11870-03-002	11888-03-002



Extensions are also offered to connect the Converter to the first LED Streamer. These can be ordered in various lengths and in both synthetic and thermoplastic rubber.

Accessories		
Description	Integro Part Number (Material: Synthetic Rubber)	Integro Part Number Material: Thermoplastic Rubber
Extension Cable YYY=025 (25') 050 (50') 075 (75') 100 (100')	11890-01-YYY	11890-02-YYY

# The Right Idea



LED Bulbs		
Description	Equivalent To	Integro Part Number
LED Bulb 100 mA	40W Incandescent	11871-01-1
LED Bulb 150 mA	60W Incandescent	11871-01-2
LED Bulb 200mA	75W Incandescent	11871-01-3

Application Details
<ol style="list-style-type: none"> <li>Operating temperature range between -15°F–160°F</li> <li>Input voltage rating 25-28VDC</li> <li>Can be used with or without protective guards</li> <li>Suitable for indoor &amp; outdoor use</li> <li>Modeled after E26 Base</li> <li>Beam width 120°</li> <li><b>Not for use with 120VAC</b></li> </ol>

Integro's Low Voltage LED Bulb operates on 28VDC power for energy consumption reduction of up to 90% versus 120VAC incandescent and up to 75% versus 120VAC LED bulbs. Integro's 28VDC bulb is designed with a beam width of 120 degrees, allowing for maximum lumen output right at the workspace. This bulb is designed to be used for heavy duty industrial applications. Additionally, the bulb is designed without a rectifier. By eliminating the rectifier in the LED bulb, the bulb is free to run at its maximum efficiency and yield its true lifetime expectancy. When installed and used with Integro's LED Converter, this solution provides the construction lighting market with a safe efficient low maintenance lighting streamer system.

Benefits & Features	
<ul style="list-style-type: none"> <li>Long life expectancy: Up to 50,000 hours</li> <li>Color temperature: 6,500K Cool White</li> <li>E26 Base, A19 Bulb</li> <li>Instant start up and shut down</li> <li>Frosted poly carbonate cover</li> </ul>	<ul style="list-style-type: none"> <li>IP64 Compliant</li> <li>Reduces energy consumption up to: 95% vs. Incandescent 75% vs. LED</li> <li>RoHS Compliant</li> <li>Vibration/Drop test 6'-10'</li> <li>3 Year Warranty</li> </ul>

Bulb Options							
Part Numbers	mA	Wattage	Peak Candela Output @ 10'	Lumen Output 120° beam width	Lumen per Watt	Overall LED Lifetime Hours (based on 24 hr use per day)	Overall LED Lifetime Years (based on 3 hr use per day)
11871-01-1	100mA	<b>2.8W</b> (replaces 40W, 120VAC)	78	230	82.14	50,000	45.7
11871-01-2	150mA	<b>4.2W</b> (replaces 60W, 120 VAC)	100	380	90.47	40,000	36.5
11871-01-3	200mA	<b>5.6W</b> (replaces 75W, 120VAC)	140	570	101.78	30,000	27.4

# The Right Idea

Why is this system “The Right Idea”?



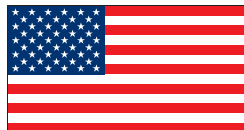
## Benefits

- Under 30 Volts = No shock hazard
- OSHA Compliant - safer, no shock hazard, no GFCI (Under 30V)
- 95% Energy Savings vs. Incandescent
- 78% Energy Savings vs. LED Bulbs for 120VAC
- AC/DC Converter runs efficiently
- No harmonic distortion
- Immediate start up and shut off
- Globe or wire guards
- Dedicated circuit
- Designed to retrofit existing power at 120VAC
- AC/DC Converter 120VAC to 28VDC
- Maintenance savings
- Logistical savings
- 28VDC LED Bulbs
- Longer life expectancy
- Bulb operates with no heat
- Suitable for indoor and outdoor applications (damp locations)

**Made in the USA!**

# Integro

*Yes, we have it.*



### Patents Filed:

61/594, 500  
61/731, 931  
61/721, 718  
61/779, 544

