

Lighting Market Applications



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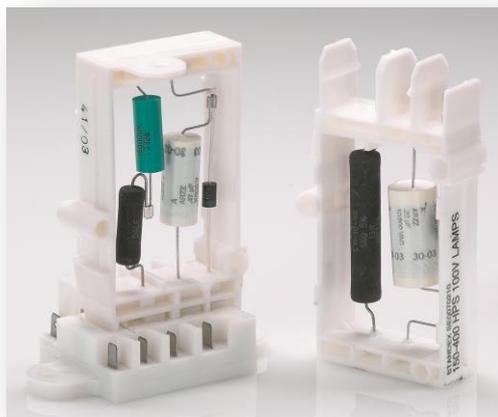
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Custom transformers and electronic assemblies from Standex-Meder have been lighting the way for decades – literally. Our solid state ignitors initiate the “turn on” sequence to light bulbs to illuminate roadways, outdoor sporting events, and facilities with high bay lighting. Our design engineers collaborate on circuit and product designs to provide value-added features, like the first ever snap-in design which eliminates hard wiring and speeds future service calls.

In addition to well conceived designs and robust products, all of our components undergo rigorous lifecycle testing under severe conditions. Every Standex-Meder facility is ISO9000 certified, further proof of our commitment to your success.



Custom Standex-Meder assemblies for lighting applications:

- Light starter for street lighting
- Terminal blocks to mate with light starters for street lighting
- Street light starter adapter allows Standex –Meder light starters to be used with alternate lighting applications
- Bar chokes for dimmers
- High frequency transformers and bobbin wound transformers for lighting applications
- Toroidal transformers for theatrical lighting applications
- High frequency surface mount transformers for Automotive dashboard lighting
- Transformers for dental lighting
- Transformers for residential designer lighting

Design capabilities:

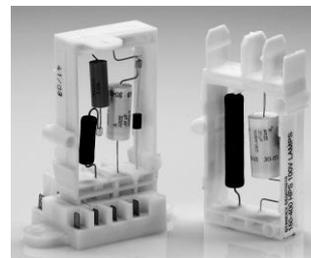
- Connector & Terminal Engineering
- Mechanical Engineering & Electronic Component Packaging
- 3-D Solid Modeling Design
- Experienced in UL, CSA, IEC, TUV & VDE Standards
- Laser Welding
- Rapid prototyping
- Wire Prep and Wire Harness Assembly
- Plastic Molding Capabilities
- Hi-volume, Progressive Die Stamping
- Glass to Metal Sealing
- Magnetic Component Engineering
- 52ga - 8ga & Foil Magnetic Component Winding
- Wind and Assemble all core shapes and types including Laminated
- Sensor & Reed Switch Engineering
- Power Supply & Other Systems Engineering

Laboratory test capabilities for lighting applications:

- Thermal Shock Testing (-70°C to 200°C, LN2 boost assures less than a 5 minute air-temperature recovery time).
- Thermal Cycle Testing (-68°C to 177°C)
- Humidity Testing (-18°C to 93°C, 98% RH, cycle temp or steady state).
- Vibration Testing (Sine or Random profile, 1" pkpk displacement, 0 to 80 g pk, 5 to 2000 HZ)
- Mechanical Shock Drop Testing (½ sine 50g 11ms, ½ sine 1500g .5ms, or sawtooth 100g 6ms)
- Hi Temp Testing (Up to 260°C)
- Salt Fog Testing
- Solderability Testing

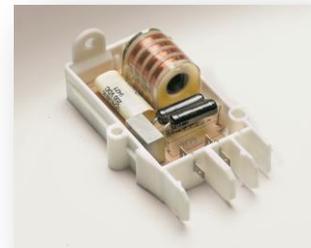
The Oakville lab facility is approved as a Witness Testing Location by the following agencies:

- Canadian Standards Association (CSA)
- Underwriters Laboratories
- Intertek Testing Services (ETL)
- TÜV Rheinland®



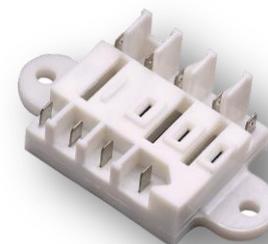
Street Light Starter
with Terminal Block

Street Light Starter
Adapter



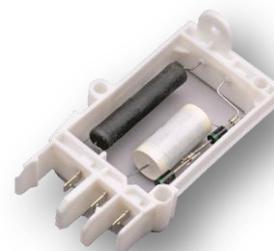
Street Light Ignitor

60 Hz Toroidal Power
Transformer for
Theatrical Lighting and
Other Applications



Terminal Block to
Mate with Street
Light Starter

High-Frequency Toroidal
and Bobbin Wound
Magnetic Components for
Lighting and Other
Applications



Light Starter for
Street Light
Applications