



# Power UP!

With Dual-Lite Central Lighting Inverters

**LiteGear™**

Indoor Use  
Compact Inverter  
Single-Phase System  
100W



**SYNCHRON**

Made in the U.S.A.  
Indoor Use  
98% Efficient  
Single-Phase System  
400 to 2100VA



**SPECTRON® LSN**

*LIFE SAFETY NETWORK*

Made in the U.S.A.  
Indoor Use  
98% Efficient  
Single-Phase System  
Spectron: 1.0 to 17.5KVA



**Trident**

Three-Phase System  
Online Operation  
Indoor Use  
10 to 130KVA



# LiteGear™

## Compact Central Lighting Inverter

### Applications

Restaurants  
Schools  
Shopping Centers  
Office Buildings  
Parking Garages  
Hotels/Motels  
Hospitals  
Nursing Homes  
Sports Venues

Offline Design  
98% Efficiency Rating



**LG Series**  
**100W**

**UL Listed to Standard 924**  
**(Emergency Lighting)**



**Standard 90-minute run time**

**Input/Output:**  
**120/120, 277/277**

**Lead-calcium batteries**

### Standard Features

- Illuminates incandescent lamps
- Illuminates LED lamps
- Illuminates fluorescent lamps
  - CFL
  - PL
  - T8
  - T5
- For normally-on, normally-off and switched loads
- Transfers in 2 seconds or less
- Not for use with HID fixtures
- Wall-mount models
  - Surface
  - Recessed
- Ceiling T-Grid mount model
- Load can be up to 1000 feet away
- LED status indicators
  - "AC-ON/Charging" (green)
  - "Inverter-ON" (amber)
- Overload and short-circuit protection
- Maintenance-free batteries
- Push button test switch
- Three-year factory warranty

# SYNCHRON

## AC Inverter Power System

### Applications

Restaurants  
Offices  
Schools  
Retail Space  
Hotels/Motels  
Hospitals  
Nursing Homes  
Sports Venues

Offline Design  
98% Efficiency Rating  
Made in the U.S.A.



**DLS Series**  
**400 to 2100VA**

UL Listed to Standard 924  
(Emergency Lighting)



Standard 90-minute run time

Input/Output:  
120/120, 277/277

Lead-calcium batteries

### Standard Features

- Factory Startup
- Uninterruptible “no break” switching
- True sine wave output
- 100% compatible with any lighting load including:
  - Incandescent
  - HID
  - LED
  - Fluorescent
  - HPS
- 18K ampere short circuit rating
- Compact enclosure
- Wall-mountable
- PWM technology
- AC input breaker
- DC switch
- LED status indicators
- Overload protection
- Maintenance-free batteries
- AC output breaker standard on 400 and 525VA models
- Up to 115% overload capacity
- Push button test switch
- DC fuse
- Two-year factory warranty

# SPECTRON<sup>®</sup> LSN

## LIFE SAFETY NETWORK

### Applications

Banquet Facilities  
Office Buildings  
Schools  
Universities  
Industrial Buildings  
Retail Space  
Military Facilities  
Hotels/Motels  
Hospitals  
Nursing Homes

Offline Design  
98% Efficiency Rating  
Made in the U.S.A.



**D Series**  
**1.0 to 17.5 KVA**

UL Listed to Standard 924  
(Emergency Lighting), 1778  
(Uninterruptible Power  
Systems)



Standard 90-minute run time

Optional run times available

Multiple input and output  
choices

Lead-calcium or nickel-  
cadmium batteries

Multiple options available

### Standard Features

- Factory Startup
- Uninterruptible "no break" switching
- True sine wave output
- 100% compatible with any lighting load including:
  - Incandescent
  - HID
  - LED
  - Fluorescent
  - HPS
- 42K ampere short circuit rating
- Small footprint plus stackable cabinet design
- Self-test/self-diagnostic circuitry
- PWM technology
- AC input breaker
- DC switch
- Full function user interface panel
- LED status indicators
- Overload protection
- Maintenance-free lead-calcium batteries
- Up to 150% momentary overload capacity
- DC fuse
- Two-year factory warranty



## Three-Phase Central Lighting Inverters

### Applications

Banquet Facilities  
Offices  
Universities  
Libraries  
Government Facilities  
Processing Plants  
Warehouses  
Shopping Malls  
Military Facilities  
Hotels/Motels  
Hospitals  
Nursing Homes  
Stadiums

Online Operation  
Double Conversion Design

**TRX Series**  
**10 to 30 KVA**



**TRN Series**  
**30 to 130 KVA**

ETL Listed to UL Standard  
924 (Emergency Lighting),  
1778 (Uninterruptible  
Power Systems)



Standard 90-minute run time

Optional run times available

Multiple input and output  
choices

Lead-calcium or nickel-  
cadmium batteries

Multiple options available

### Standard Features

- Factory Startup
- Uninterruptible “no break” switching
- True sine wave output
- 100% compatible with any lighting load including:
  - Incandescent
  - HID
  - LED
  - Fluorescent
  - HPS
- Digital controls with graphic user interface
- Power factor corrected
- Transient surge protection
- Excellent efficiency with nonlinear and partial loads
- Up to 150% momentary overload capacity
- Smallest three-phase system footprint available
- Standard and slim-line cabinets
- Operating altitude:
  - TRX: up to 3,000 feet
  - TRN: up to 6,000 feet
- Top or bottom cable entry
- One-year factory warranty

# Dual-Lite Central Lighting Inverter System Ratings

## Quick Reference Guide

LiteGear (Up to 100 Watts)	
Watts	100
Input/Output Voltage	120/120 or 277/277
System DC Voltage	12

Synchron						
VA/Watts <sup>1</sup>	400	525	750	1000	1500	2100
Power Factor Range	.8 Lead to .75 Lag					
Input/Output Voltage	120/20 or 277/277					
System DC Voltage	36	36	72	72	72	96

Spectron LSN (1.0 – 6.6 KVA/KW)							
KVA/KW <sup>1</sup>	1.0	2.0	2.7	3.7	4.8	5.5	6.6
Power Factor Range	.8 Lead to .75 Lag						
Input Voltage	Input VAC: 208, 240, 277, 347						
Output Voltage	Output VAC: 120, 240, 277, 347, 120/240, 120/277						
System DC Voltage	96						

Spectron LSN (8.3 – 17.5 KVA/KW)					
KVA/KW <sup>1</sup>	8.3	10.0	12.5	15.0	17.5
Power Factor Range	.8 Lead to .75 Lag				
Input Voltage	Input VAC: 208, 240, 277, 347				
Output Voltage	Output VAC: 120, 240, 277, 347, 120/240, 120/277				
System DC Voltage	144				

Trident TRX 3-Phase Series (10 – 30 KVA/KW)				
KVA	10	15	20	30
KW	8	12	16	24
Load Power Factor Range	.7 Lagging to .95 Leading			
Input Voltage	Input VAC: 120/208, 480			
Output Voltage	Output VAC: 120/208, 480			

Trident TRN 3-Phase Series (30 – 130 KVA/KW)							
KVA	30	40	50	65	80	100	130
KW	24	32	40	52	64	80	104
Load Power Factor Range	1.0 to .7 Lagging						
Input Voltage	Input VAC: 208, 480						
Output Voltage	Output VAC: 208, 480						

<sup>1</sup> Watts and KW rated at unity power factor.

# **The Dual-Lite Legacy: Service and Support**

## **Application Support**

Dual-Lite sales representatives provide application assistance and customer support to be sure your project proceeds as planned. Technical support is also available 24/7 on our “inverter life line” by calling 1-800-888-6658.

## **Field Support**

Before, during and after installation, our Systems Service Department is available to provide expert assistance. Call our toll-free number, 1-800-848-6429 for Synchron or Spectron LSN assistance.

## **Factory Start-up**

All Dual-Lite central lighting inverters (except LiteGear™ models) are supplied standard with a Factory Start-up. A factory-trained technician will perform all of the steps necessary to insure proper operation of the central lighting inverter following installation by a qualified electrical contractor.

## **Service Agreement**

A yearly visit by a factory trained technician includes on-site inspection and testing of the central lighting inverter.

## **Monitoring Program**

Each month, an inquiry will be sent to the system and the results will be reviewed by the Technical Support Department. The results of the review will be sent to the designated customer contact with recommendations.

## **Preventive Maintenance Program**

This program is available for single-phase central lighting inverters. It provides nine different plan levels including extended warranty programs. Each plan offers a choice of preventive maintenance levels provided by factory trained technicians, plus “call for service” options.

**For more information, contact:**

**DUAL | LITE**

Life Safety Products

A Hubbell Lighting, Inc. brand with representatives' offices  
in principal cities throughout North America

701 Millennium Boulevard

Greenville, SC 29607

Tel: 864-678-1000

Fax: 864-678-1415

Specifications subject to change without notice.

0603393-04

[www.dual-lite.com](http://www.dual-lite.com)



HUBBELL LIGHTING, INC.

