STANPRO

Project: _____ Type: _____

Drawn by: _____ Catalogue #: _____ Date: _____

Series Spec Sheet

SLSOR

T-BAR BATTERY UNIT

Steel Construction

The SLSOR series of commercial steel T-bar ceiling battery units is designed to blend seamlessly into modern decors. The cabinet, which has been designed to fit into common 2"x4" or 2"x2" grid type suspended ceilings, mounts above the suspended ceiling, leaving only the trim plate visible. The SLSOR series is available in 6 VDC, 12 VDC and 24 VDC versions in a range of wattage capacities between 36 W and 320 W, for 30 minutes duration. Units can be fitted with a wide range of lamp head types and options, including auto-testing self-diagnostics and remote testing.



FEATURES AND SPECIFICATIONS

- **Circuitry**
  - 120/347 VAC 60 Hz Input, field selectable
  - High efficiency, rapid recovery, precision control charging system
  - 6 VDC, 12 VDC or 24 VDC emergency power output versions (as specified)
  - Wattage capacities from 36 W to 320 W
  - 30 minutes emergency power duration standard
  - Momentary push button test switch
  - Diagnostic/pilot LEDs for AC ON and CHARGE
  - Fully automatic, current limited charger
  - Brownout and short circuit protection
  - Temperature compensated
  - Large magnum terminal screw type connectors for remote load connection
  - Complete battery recharge in 24 hours
  - Maintenance free, sealed lead acid battery
  - Optional automatic-testing, self-diagnostic charger board:
    - Continuously monitors the operational status of the battery unit
    - Automatically performs battery and lamp load testing at preset intervals
    - Indicates any component malfunctions or automated test failures
- **Mechanical**
  - 20 Gauge steel construction
  - One piece frame and trim with slide out recessed housing cover
  - All components recess above ceiling - only trim plate is visible
  - Self-centering T-bar mounting arms
  - Integral eyelet holes for attachment of cable/chain supports
  - Multiple conduit entry knockouts
  - White powder coat finish standard, other finishes and Colours optional
  - Lamp heads include PAR18 small style and die cast metal MR16 type
- **Approval**
  - CSA Certified to C22.2 #141-15
- **Compliance**
  - Meets requirements of ICES-005

ICES 005

LINK EMERGENCY LIGHTING LUMINAIRE *remote normally ON*

OVERVIEW

Input voltage (VAC)	120/347
Output voltage (VDC)	6, 12, 24
Output power (W)	36 - 320

For complete warranty details, please see our terms and conditions on our website

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TYPICAL SPECIFICATION



TYPICAL SPECIFICATION

Supply and install Stanpro SLSOR recessed battery unit. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable 18 gauge steel and be CSA listed to C22.2 141-15 and be ICES 005 compliant. The unit shall have an output of: __V and __W and come complete with (0), (1) or (2) x __ W LED heads producing (__) lumens each. The charge voltage factory set to ± 1% tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery at full voltage. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge. The Stanpro battery shall come complete with an auto diagnostic micro-controller board and shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The Stanpro battery unit shall come complete with the Auto Test function. The automated testing performed by the Stanpro auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements. The unit shall be Stanpro model: SLSOR_____

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

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ORDERING GUIDE

SLSOR			—			/	

Series	Volts (V)	Watts	Head/Lamp	Lamp type	Color	Options
SLSOR	**06 -** 6 **12 -** 12 **24 -** 24	See model rating below	**0 -** No Heads **1N -** One PAR18 **2N -** Two PAR18 **1S -** One MR16 **2S -** Two MR16 **1M -** One MR16 **2M -** Two MR16	See lamp list below	**WH -** White (standard) **BK -** Black	**AT, AUD, AUE[1], FD6, IRT, LD, RFS, TD**

[1] Only available with AT.

Note: AT option available on 6V 36W, 50W models and 12V 36W, 50W, 72W, 100W. Please consult with your factory representative regarding specific voltage and wattage options.

LAMP SELECTION

		6 V	12 V	24 V
PAR18 Small head or LED lamp	LED	3LJ, 4LJ, 5LJ	3LJ, 4LJ, 5LJ, 6LA, 7LA	4LR, 5LA, 6LA, 7LA
	Tungsten	09T	09T	9T
MR16 Small head c/w MR16 or LED lamp	LED	4LR, 5LA	4LR, 5LA, 6LA, 7LA	4LR, 5LA, 6LA, 7LA

Note: Due to cabinet/space limitations, not all options are available for all models in any given combination. Please consult with your factory representative regarding specific options and exact cabinet dimension information.

MODEL RATINGS

Model	Volts (V)	Wattage capacities (W)			
		30 min.	60 min.	90 min.	120 min.
SLSOR06036	6	36	18	12	9
SLSOR06050		50	25	16	12
SLSOR06072		72	36	24	18
SLSOR06100		100	50	33	25
SLSOR06160		160	80	53	40
SLSOR06180		180	90	60	45
SLSOR12036	12	36	18	12	9
SLSOR12050		50	25	16	12
SLSOR12072		72	36	24	18
SLSOR12100		100	50	33	25
SLSOR12160		160	80	53	40
SLSOR12200		200	100	66	50
SLSOR12250		250	125	83	62
SLSOR24144	24	144	72	48	36
SLSOR24200		200	100	66	50
SLSOR24320		320	160	106	80

Note: AT option available on 6V 36W, 50W models and 12V 36W, 50W, 72W, 100W. Please consult with your factory representative regarding specific voltage and wattage options.

LUMEN TABLE

Watts	Lumens
3W LJ	313
4W LJ	388
5W LJ	590
4W LR	388
5W LA	435
6W LA	507
7W LA	652

EMERGENCY LIGHTING OPTIONS

Option	Description
AT	Automatic test self-diagnostic
AUD	Audible alarm
AUE	Audible emergency
FD6	6 Circuit Fused Internal Distribution
IRT	Infrared Remote Test
LD	Lamp disconnect (internal)
RFS	Radio frequency suppression
TD	Time delay
IRC	Infrared Controller (sold separately)

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