

## SL-1000

### 10W High Flux LED System for 2hrs Emergency Lighting

#### Features :

- Advanced emergency lighting system based on latest solid state illumination technology;
- Incorporated with High Flux LED module from well-known international manufacturer OSRAM High Flux LED Chips.
- Extended battery operating hours thanks to extremely low LED power consumption;
- Fire hazard free and low operating temperature during emergency mode.

#### Specifications :

- Mains supply : 220-240Vac
  - Mains Frequency : 50-60Hz
  - Power Consumption : **10W** (with battery fully charged)
  - Mode of Operation : Non-Maintained Type, suitable for Recessed Mounting
- LED Type : **OSRAM Ostar Lighting Plus Features**



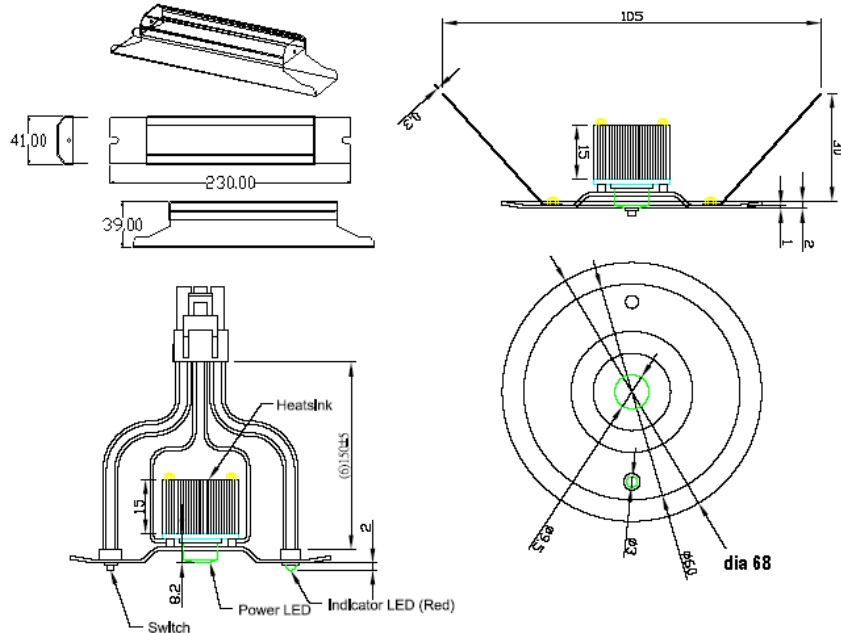
Osram Ostar Lighting Plus

1. **Package: 3mm X 3mm SMD ceramic with silicon resin and lens**
2. **Highly efficient light-source at small dimensions**
3. **Viewing angle: 60°**
4. **Capable of 1 Amp Surge Current**
5. **Available in amber, deep blue, true green, ultra white, and yellow.**
6. **Soldering methods: reflow soldering**
7. **Preconditioning: acc. to JEDEC Level 2**
8. **Taping: 8 mm tape with 600/reel, ø180 mm**
9. **ESD-withstand voltage: up to 2 kV acc. to JESD22-A114-D**

- LED Lamp Wiring Length : 30cm
- Built-in Battery Type : C-cell 2.5AH High Temperature NiCd
- Rated Duration : > 2 hours duration, others operation durations are configurable upon request.
- Charger : Variable Charging Rate
- Charging Monitor : Red LED 3mm
- Test facility : Micro-switch (push-off test switch)
- Safety Features : Under-voltage Low Battery Cut Off to prevent Battery Over Discharge
- Recharge Duration : < 24Hours
- Module Construction : Pre-painted Steel Epoxy Powder Coating with special aluminium heat sink for perfect thermal management.
- Dimension : L230mm x W41mm x H39mm (L x W x H)
- Weight : Approx. 0.6kg
- Standards : Designed according to IEC598-22-2, SS263: Part 2, CP19
- Approvals : Pending (PSB)

## Mechanical Outline :

(Note: actual product may differs slightly due to ongoing product improvement)

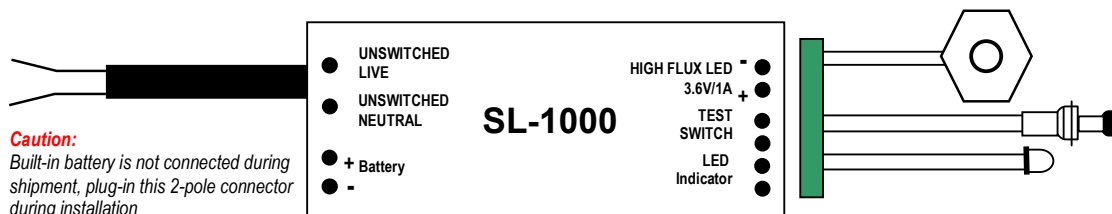


LED driver and charger unit with battery incorporated



LED module equipped with Osram high flux LED

## Wiring Diagram :



### Application guide:

- Install the unit according to National Electric Code;
- To ensure maximum performance of the built-in battery, please fully charge the unit for 24hours after first installation;
- Caution: any improper wiring or short-circuit may lead to permanent damage to the unit;
- Lamp wire should be as short as possible to avoid unnecessary loading to the unit;
- Mount the unit away from any heat source to further prolong service life;
- Please ensure that the operating ambient temperature is below 50°C, and maximum case temperature (tc) not exceeding 70°C;
- Do not throw or drop the unit to avoid damage the internal electronic component;
- Do not operate this unit beyond the operating supply range;
- Do not operate this unit with AC power generator;
- Caution: DO NOT dispose this LED system into fire as it contains built-in battery that may causes serious explosion!