STROBE LIGHT
PID: SL930STB-6W-WU-O

APPLICATION:
SAFETY LIGHTING

WARRANTY:
2 YEARS

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model Number</th>
<th>UPC</th>
<th>Watt</th>
<th>Operating Voltage</th>
<th>Cover</th>
<th>Water Resistant</th>
</tr>
</thead>
<tbody>
<tr>
<td>20260061</td>
<td>SL930STB-6W-WU-O</td>
<td>605546699307</td>
<td>6</td>
<td>10-110v</td>
<td>PP</td>
<td>IP65</td>
</tr>
</tbody>
</table>

PRELIMINARY STEPS:
1. Carefully read this information to proceed with installation.
2. Check with state and local authorities for laws governing usage and proper mounting of auxiliary lamps.
3. Before proceeding, disconnect the main power from the equipment to avoid accidental shortcuts.
4. If possible place the cable following the existing routes.
5. Be sure that cable is not fixed to movable parts of the equipment.

WARNINGS:
1. Follow the indications on the operating voltage range (10VDC-110VDC).
2. Keep the lamp exposed to air flow to avoid overheating.
3. Temperature of the lamp can increase with continuous use.

CONNECTION:
1. Find a voltage source according to the Voltage specification (10VDC-110VDC).
2. Connect the RED (+) wire to the positive of the above mentioned source through fuse. Connect the BLACK (-) one to negative.
3. Reconnect the main power of the equipment, switch the key on and verify if the lamp switches on, If not, re-check previous steps.

ASSEMBLING:
1. Drill a 10 hole in where the lamp has to be located.
2. Fit the bracket using the included locking screw and self locking nut. Tight nut.
3. Fit the lamp on the bracket using the included screws, washers and nut. Position the lamp to the eanted inclination. Tighten the nut.
4. Check the stability of the overall assembly.

No more than two strobes per driver
### 20W Single Output Switching Power Supply

#### LPV-20 series

<table>
<thead>
<tr>
<th>Features:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant voltage design</td>
</tr>
<tr>
<td>Universal AC input / Full range</td>
</tr>
<tr>
<td>Withstand 300VAC surge input for 5 seconds</td>
</tr>
<tr>
<td>Protections: Short circuit / Over load / Over voltage</td>
</tr>
<tr>
<td>Cooling by free air convection</td>
</tr>
<tr>
<td>Small and compact size</td>
</tr>
<tr>
<td>Fully encapsulated with IP67 level (Note.7)</td>
</tr>
<tr>
<td>Fully isolated plastic case</td>
</tr>
<tr>
<td>Class II power unit, no FG</td>
</tr>
<tr>
<td>Class 2 power unit</td>
</tr>
<tr>
<td>Pass LPS</td>
</tr>
<tr>
<td>Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)</td>
</tr>
<tr>
<td>100% full load burn-in test</td>
</tr>
<tr>
<td>Low cost, high reliability</td>
</tr>
<tr>
<td>2 years warranty</td>
</tr>
</tbody>
</table>

### SPECIFICATION

#### OUTPUT

| MODEL | DC VOLTAGE | RATED CURRENT | CURRENT RANGE | RATED POWER | RIPPLE & NOISE (max.) | VOLTAGE TOLERANCE | LINE REGULATION | LOAD REGULATION | SETUP, RISE TIME | HOLD UP TIME (Typ.) | VOLTAGE RANGE | FREQUENCY RANGE | EFFICIENCY (Typ.) | AC CURRENT (Typ.) | INRUSH CURRENT (Typ.) | MAX. No. of PSU's on 16A CIRCUIT BREAKER | LEAKAGE CURRENT | OVER LOAD | OVER VOLTAGE | WORKING TEMP. | WORKING HUMIDITY | STORAGE TEMP. HUMIDITY | TEMP. COEFFICIENT | VIBRATION | SAFETY & EMC | WITHSTAND VOLTAGE | ISOLATION RESISTANCE | EMC EMISSION | EMC IMMUNITY | OTHERS | DIMENSION | PACKING |
| LPV-20-5 | 5V | 3A | 0~3A | 15W | 80mVp-p | ±0.5% | ±1.0% | ±2.0% | 500ms, 20ms / 230VAC | 50ms / 230VAC at full load | 90~264VAC | 47~63Hz | 77% | 0.55A / 115VAC | COLD START 70A (width=215μs measured at 50% (peak) at 230VAC | 8 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC | 0.25mA / 240VAC | 110 ~ 150% rated output power | 5.75 ~ 6.75V | 13.8 ~ 16V | -30 ~ +70°C (Refer to "Derating Curve") | 20 ~ 90% RH non-condensing | -40 ~ +80°C, 10 ~ 95% RH | ±0.03%/°C (0 ~ 50°C) | 10 ~ 500Hz, 2G 10min. / cycle, period for 60min. each along X, Y, Z axes | UI879, UL1310, CSA C22.2 No. 207-M89, CAN/CSA C22.2 No. 223-M91, TUV EN60950-1, EAC TP TC 004, IP67 approved | UI-P~O-P: 3kVAC | UI-P~O-P > 100M Ohms / 500VDC / 25°C/70% RH | Compliance to EN5532 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020 | Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, light industry level, criteria A, EAC TP TC 020 | 786.5khrs min. | MIL-HDBK-217F (25°C) | 118)x35x26mm (LxWxH) | 0.22kg / 60pcs / 14.2kg / 63CUFT |

#### INPUT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTAGE RANGE</th>
<th>FREQUENCY RANGE</th>
<th>EFFICIENCY (Typ.)</th>
<th>AC CURRENT (Typ.)</th>
<th>INRUSH CURRENT (Typ.)</th>
<th>MAX. No. of PSU's on 16A CIRCUIT BREAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPV-20-12</td>
<td>12V</td>
<td>47~63Hz</td>
<td>81%</td>
<td>0.35A / 230VAC</td>
<td>COLD START 70A (width=215μs measured at 50% (peak) at 230VAC</td>
<td>8 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC</td>
</tr>
<tr>
<td>LPV-20-15</td>
<td>15V</td>
<td></td>
<td>83%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPV-20-24</td>
<td>24V</td>
<td></td>
<td>83%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristics for more details.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
6. Length of setup time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
7. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.
8. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.
9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m (6500ft).
10. Products sourced from the Americas regions may not have the TUV/BIS/CCC logo. Please contact your MEAN WELL sales for more information.
■ Mechanical Specification

Case No. 972A       Unit:mm

fosc : 65KHz

DETECTION
PWM
CIRCUIT
O.L.P.
O.V.P.

EMI FILTER
RECTIFIERS
POWER SWITCHING
FILTER & RECTIFIERS

AC/N(Blue)
AC/L(Brown)

UL1015 18AWG

+V(Red)
-V(Black)

T case: Max. Case Temperature.

■ Recommend Mounting Direction

■ Block Diagram

fosc : 65KHz

■ Derating Curve

■ Static Characteristics

20W Single Output Switching Power Supply

LPV-20 series

UL1015 18AWG

+V
-V

I/P

EMI FILTER & RECTIFIERS

POWER SWITCHING

RECTIFIERS & FILTER

PWM CONTROL

DETECTION CIRCUIT

O.L.P.

O.V.P.

LOAD (%)

AMBIENT TEMPERATURE (°C)

LOAD (%)

INPUT VOLTAGE (V) 60Hz

Derating Curve

Static Characteristics

File Name:LPV-20-SPEC 2019-07-26