

# TECHNICAL DATA SHEET : LED DRIVER CONSTANT CURRENT

## MODEL NO : HR045WBML00000

### PRODUCT DESCRIPTION

- Fixed output build in LED Driver.
- Constant Current LED Driver.
- Nominal Life-Time Upto 30,000 hr.
- 3/5-Years Warranty.
- High Voltage withstanding capacity 440V AC.
- CE (Certified).
- IS 15885 (Part 2/Sec 13).
- IS 16104.
- IEC 60950-1.
- IEC 61000-4-5.



#### Input Characteristics

|    |                             |                    |
|----|-----------------------------|--------------------|
| 1  | Voltage (Un)                | 240 Vac            |
| 2  | Operating Voltage Range     | 100 ~300 Vac       |
| 3  | Frequency (Hz)              | 50 / 60 Hz         |
| 4  | Maximum Input Current       | 0.25A              |
| 5  | Input Power (W)             | 60W                |
| 6  | Power Factor (PF)           | > 0.98             |
| 7  | Inrush current Protection   | Yes                |
| 8  | Current Harmonics (Athd)    | < 10%              |
| 9  | Surge Withstanding Capacity | 4KV                |
| 10 | Over Voltage Cutoff         | 310V (Tole +/-10V) |
| 11 | Under Voltage Cutoff        | 110V               |
| 12 | Automatic Restart           | 300V               |
| 13 | Driver Life                 | >30000Hrs          |

#### Output Characteristics

|                                             |                     |
|---------------------------------------------|---------------------|
| Output short circuit protection and Restart | Yes                 |
| Thermal Protection                          | Yes                 |
| No-Load Protection                          | Yes                 |
| Max Output Current                          | 1000mA (Tole +/-3%) |
| Output Voltage                              | 30-55V              |
| Output Power (W)                            | 55W max             |
| Efficiency                                  | 88%                 |

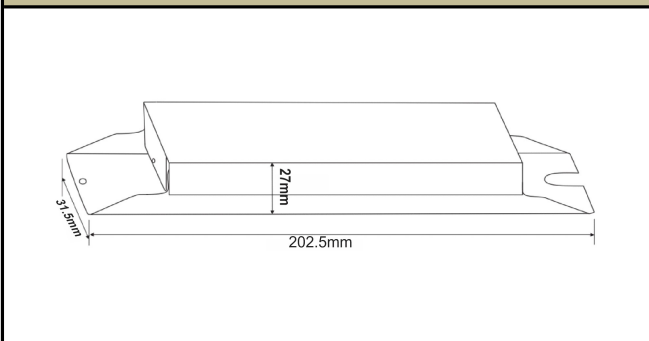
#### Environmental Operating Details

|   |                              |                   |
|---|------------------------------|-------------------|
| 1 | Minimum Starting Temperature | -30°C ... 75°C    |
| 2 | Max. Ambient Temperature     | -20°C ... to 65°C |
| 3 | Max. Case temperature (Tc)   | 85°C              |

#### Key Features

- Compact Design
- High Voltage withstanding capacity
- High Surge withstanding capacity
- Long Life
- High Durability
- Automatic Restart after Safe Voltage Mode.

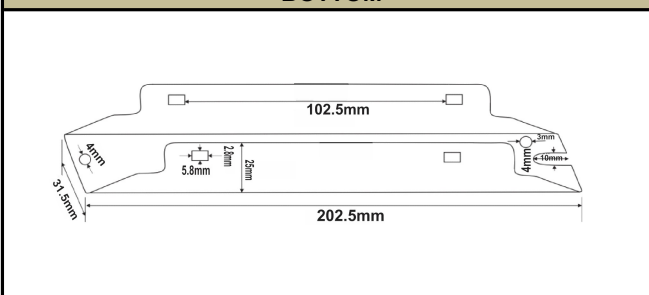
#### METAL BOX



#### Mechanical Details

|   |                          |           |
|---|--------------------------|-----------|
| 1 | Weight                   | 185gm.    |
| 2 | Case Dimensions          |           |
|   | Length W/Mount           | 202.5mm   |
|   | Center to Center (CTC)   | 192mm     |
|   | Width                    | 31.5mm    |
|   | Height                   | 27mm      |
| 3 | Case Material            | Metal Box |
| 4 | Wiring Diagram           | On Screen |
| 5 | Input / Output Terminals | Connector |
| 6 | Wires Length & Colors    |           |
|   | Input (Yellow)           | NA        |
|   | Output (Red & Black)     | NA        |
| 7 | Potting                  | NA        |

#### BOTTOM



#### TOP

