

### T12401050-38PB-R **SPECIFICATIONS**



Constant Current LED Driver

Output Wattage: 38W

Input Voltage: 240VAC±15%, 50Hz

Output Current: 1050mA±8%

Wired; PC Enclosure

Output voltage range of 28-36VDC

Dry, Damp and Wet Locations

SELV Equivalent

**Under Voltage Protection** 

Over Voltage Protection

440Vac Protection

### **General Specifications**

| Rated Input Voltage                   | 240VAC <u>+</u> 15%, 50Hz                    |   |
|---------------------------------------|--|---|
| Operating Input Voltage Range         | 110VAC~320VAC, 50Hz                          |   |
| Input Current                         | 0.47 A Max.                                  |   |
| Input Power                           | 47W Max.                                     |   |
| Power Factor                          | >0.95  |   |
| THD                                   | <10% across load range specified             |   |
| Efficiency                            | >86% across load range specified             |   |
| Driver Type                           | Constant Current                             |   |
| Output Current                        | 1050mA ±8%                                   |   |
| Output Voltage Range                  | 28-36VDC                                     |   |
| Output Power                          | 38W  |   |
| Number of Output Channels             | 1 Channel                                    |   |
| Dimming Controller Type/Dimming Range | NA   |   |
| RFI/EMI                               | NA   |   |
| Output Type                           | Class II (IEC 61140)                         |   |
| Ambient Operating Temperature Range   | -10°C to 50°C                                |   |
| Max. Case Temperature                 | 80°C   |   |
| Input Surge Protection                | Line-Neutral 4kV DM                          |   |
| Protections                           | Input Over Current                           | : NON-Resettable  |
|                                       | Input Over Voltage                           | : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315Vac<br>: Immunity - 320Vac for 48 hours & 440Vac for 8 hours |
|                                       | Input Under Voltage                          | : CUTOFF @ Vin <100Vac; AUTORECOVERY @ Vin = 100-110Vac   |
|                                       | Output Short Circuit                         | : Auto recovery   |
|                                       | Output Open Circuit                          | : Auto recovery   |
|                                       | Output to ground short                       | : YES   |
|                                       | Output Overload                              | :YES  |
|                                       | Over Temperature                             | : NA  |
| Service Life                          | 50,000 hours @ Tc Max                        |   |
| Approvals / Class                     | SELV Equivalent, Dry, Damp and Wet Locations |   |
| Warranty                              | 3 years                                      |   |
| Weight                                | 0.320Kg                                      |   |

Note: The usage of a compatible SPD is mandatory for outdoor application.

Recommended Fulham SPD - SPD1230S5A5K54



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Figure 1

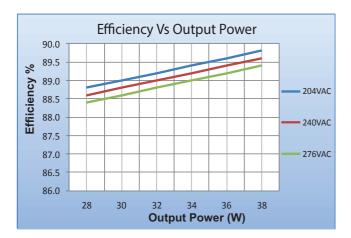


Figure 2

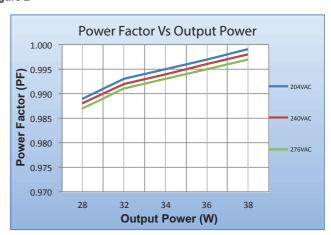


Figure 3

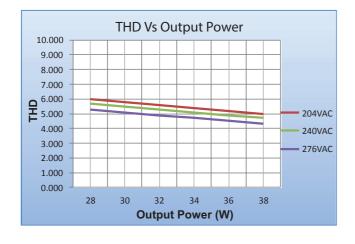


Figure 4

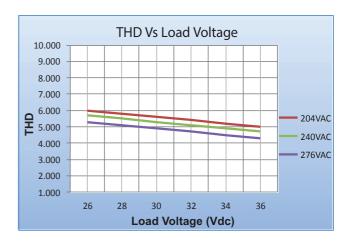
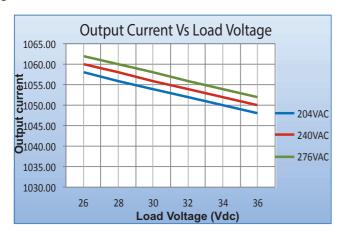


Figure 5



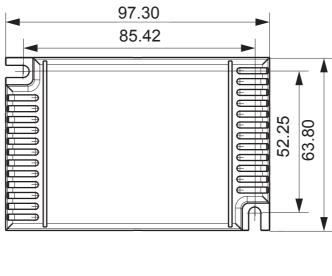
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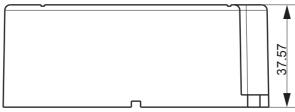


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#### **Mechanical Data**

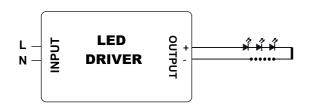




Note: All Dimensions are in mm.

Tolerance=±0.5mm

#### Wiring Diagrams



| INPUT SIDE | LENGTH |
|------------|--------|
| BLACK      | 250 mm |
| WHITE      | 250 mm |

| OUTPUT SIDE                      | LENGTH |  |
|----------------------------------|--------|--|
| RED                              | 250 mm |  |
| BLUE                             | 250 mm |  |
| Output wire with Terminal: N. A. |        |  |

**Installation Instructions:** 

Connect Wires as per details given on the Driver Screen. Keep proper ventilation around the LED Driver and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source. Do not exceed the declared Hot spot temperature(Tc max) under any circumstances.

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