



# T1240090J-36DB SPECIFICATIONS

IP 20  
SELV Equivalent



- Constant Current Round LED Driver
- Output Wattage: 34 / 36W
- Output voltage range of 24-40Vdc
- Output Current: 850 or 900mA  $\pm 7\%$
- Surge Immunity 4kV
- OVP and UVP Cut-off
- 440Vac application @ 48Hrs
- Suitable for Dry Locations
- PC Cabinet
- Application - Shop, Retail & Hospitality

## General Specifications

|                                       |   |
|---------------------------------------|---|
| Rated Input Voltage                   | 240Vac $\pm 20\%$ , 50Hz  |
| Operating Input Voltage Range         | 120-320Vac, 50Hz  |
| Input Current                         | 0.18A @ 240Vac  |
| Input Power                           | 41W Max.  |
| Power Factor                          | >0.95   |
| THD                                   | <10%  |
| Efficiency                            | >85%  |
| Driver Type                           | Constant Current  |
| Output Current                        | 850 or 900mA $\pm 7\%$  |
| Output Voltage Range                  | 24~40Vdc  |
| No Load Output Voltage                | 50Vdc Max.  |
| Output Power                          | 36W Max.  |
| Number of Output Channels             | 1 Channel   |
| Dimming Controller Type/Dimming Range | NA  |
| Output Type                           | Class II  |
| Ambient Operating Temperature Range   | -10°C to +60°C  |
| Max. Case Temperature                 | 80°C  |
| Input Surge Protection                | Line-Neutral 4kV As per EN 61000-4-5  |
| Protections                           | Input Over Current : NON-Resettable   |
|                                       | Input Over Voltage : Cutoff @ $V_{in} > 320\text{Vac}$ , Auto Recovery Immunity - 440Vac for 48 Hours |
|                                       | Input Under Voltage : Shutdown <100Vac, Auto recovery   |
|                                       | Output Short Circuit : Auto Recovery (HICCUP MODE)  |
|                                       | Output Open Circuit : Auto Recovery (HICCUP MODE)   |
|                                       | Output to Ground short : YES  |
|                                       | Output Overload : YES   |
| Over Temperature : YES                |   |
| Service Life                          | 30,000 hours @ $T_c$ Max  |
| Approvals / Class                     | SELV Equivalent, Dry Locations  |
| Warranty                              | 3 Years   |
| Weight                                | 0.150 Kg  |

Note : All Performance Specified at 240Vac @ Full Load.  
Recommended to be used only for Indoor Application.

### Output Current Setting :

| $I_{rated}(mA)$ | Output Current Setting | $P_{rated}(W)$ |
|-----------------|------------------------|----------------|
| 850             | OPEN                   | 34             |
| 900             | SHORT                  | 36             |

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years @  $T_c$  Max from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog ([www.fulham.com](http://www.fulham.com)). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.



Figure 1

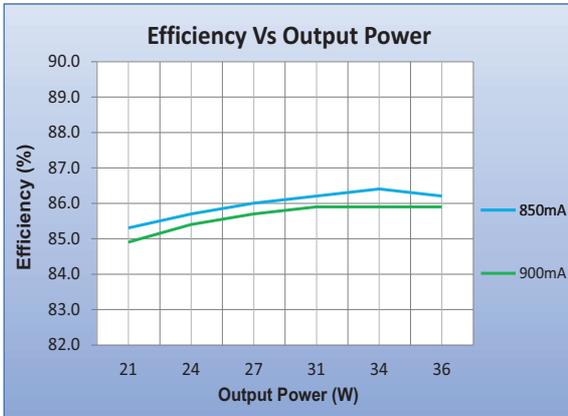


Figure 2

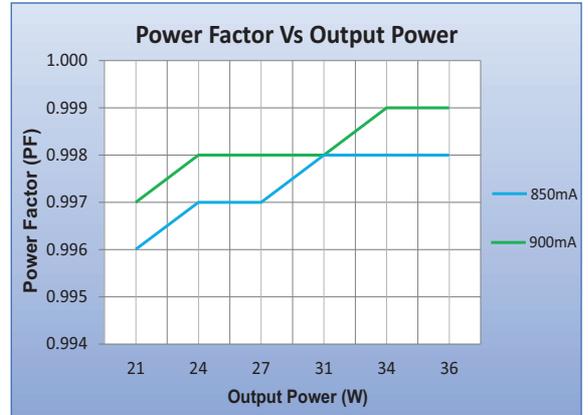


Figure 3

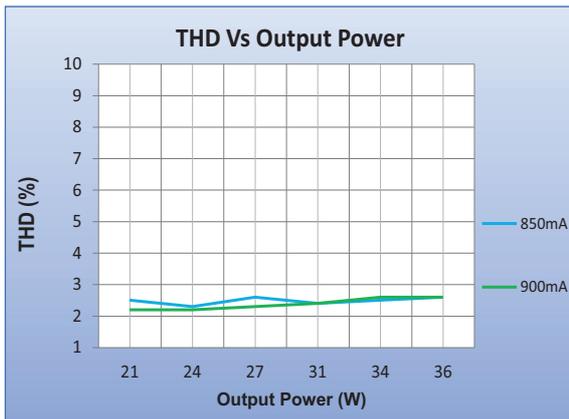


Figure 4

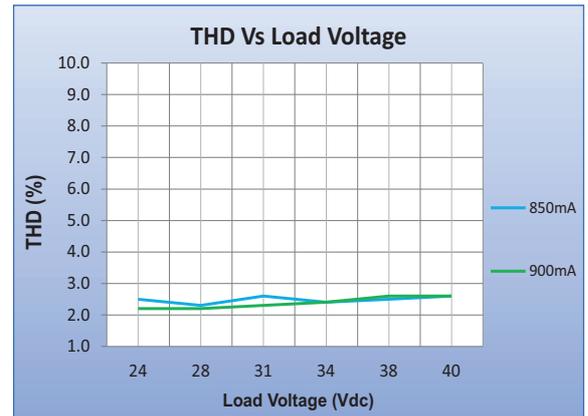
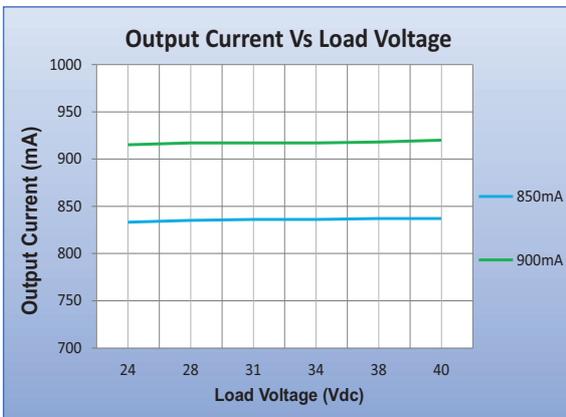


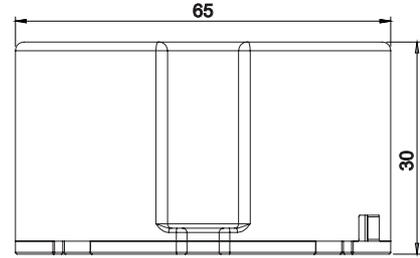
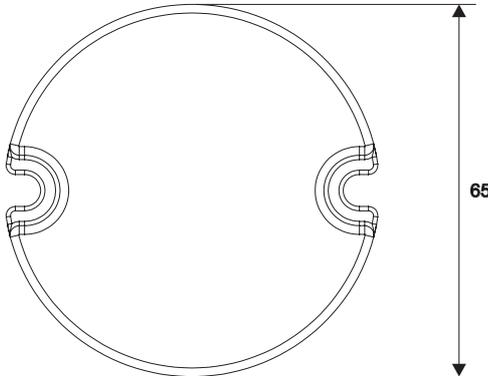
Figure 5



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of **3 years @ Tc Max** from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog ([www.fulham.com](http://www.fulham.com)). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.



**Mechanical Data :**



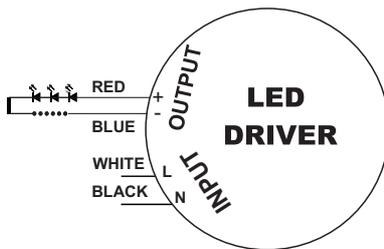
FRONT VIEW

**Product Image**



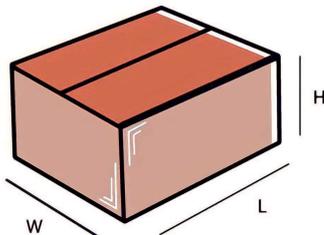
Note : All Dimensions are in mm Tolerance=±0.5mm

**Wiring Diagrams**



| INPUT SIDE | LENGTH  | OUTPUT SIDE | LENGTH  |
|------------|---------|-------------|---------|
| BLACK (L)  | 175±5mm | RED (+)     | 175±5mm |
| WHITE (N)  |         | BLUE (-)    |         |

**Packaging**



**Master carton**

| OUTER DIMENSION        |                        |              |
|------------------------|------------------------|--------------|
| L                      | W                      | H            |
| 8.66"(220mm)           | 8.66"(220mm)           | 4.13"(105mm) |
| Net Weight             | Gross Weight           | QUANTITY     |
| 8.92 lbs.<br>(4.05 kg) | 9.52 lbs.<br>(4.32 kg) | 27 pc.       |

**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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