



# T1M12400700-150LBE SPECIFICATIONS



- Constant Current LED Driver
- Output Wattage: 150W
- Input Voltage: 240±15%, 50Hz
- Output Current: 700mA ±5%
- CRCA enclosure with Wires
- Output voltage range of 140-214VDC
- Suitable for Dry and Damp Locations
- Analog Dimming 1-10Vdc
- Surge Immunity 5KV/5KV
- OVP and UVP Cut-off
- 440Vac application @ 8Hrs
- Thermal Protection

## General Specifications

|                                       |  |
|---------------------------------------|--|
| Rated Input Voltage                   | 240VAC ±15%, 50Hz  |
| Operating Input Voltage Range         | 100-320VAC, 50Hz   |
| Input Current                         | 1.93 A Max.  |
| Input Power                           | 183W Max.  |
| Power Factor                          | >0.95 (across rated line and load)   |
| THD                                   | <10% (across rated line and load)  |
| Efficiency                            | >86% (across rated line and load)  |
| Driver Type                           | Isolated, Class I (IEC 61140)  |
| Output Current                        | 700mA ±5%  |
| Output Voltage Range                  | 140-214VDC   |
| Output Open - Load Voltage            | 235Vdc   |
| Output Power                          | 150W   |
| Stand By Power                        | NA   |
| Number of Output Channels             | 1 Channel  |
| Stand By Time                         | NA   |
| Dimming Controller Type/Dimming Range | Analog Dimming, 1-10Vdc (10-100%)  |
| Output Type                           | Constant Current   |
| Ambient Operating Temperature Range   | -10°C to 50°C  |
| Case Temperature                      | 80°C, Tc max - Lifetime<br>85°C, Tc max - Operation  |
| Input Surge Protection                | Line - Neutral 5KV, Line - Neutral & Ground 5KV  |
| Protections                           | Input Current Protection - Non Resettable<br>Output Short Circuit Protection - Autorecovery<br>Input Over Voltage - Shutdown @ >325Vac, Auto recovery @ 300-315Vac, 440Vac for 8 hours @ 50°C, 320Vac for 48 hours @ 50°C<br>Input Under Voltage - Shutdown < 95Vac, Auto recovery 100Vac to 110Vac<br>Over Temperature protection - Output Current Foldback Above Tc max Operation<br>Output to ground short - Auto recovery<br>Output Overload - Limited by maximum Output Voltage |
| Service Life                          | 50,000 hours @ Tc Max - Lifetime   |
| Approvals / Class                     | Class I (IEC 61140); Dry and Damp Locations<br>EN 61347-2-13<br>EN 62384<br>EN 61547<br>EN 61000-3-2<br>EN 61000-3-3   |
| RFI/EMI                               | EN55015 / CISPR15  |
| Warranty                              | 3 Years  |
| Weight                                | 0.9 Kg   |

Note : The usage of a compatible SPD is mandatory for outdoor application.  
Recommended Fulham SPD - SPD1230S5A5K54

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of **3 years @ Tc 80°C** 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

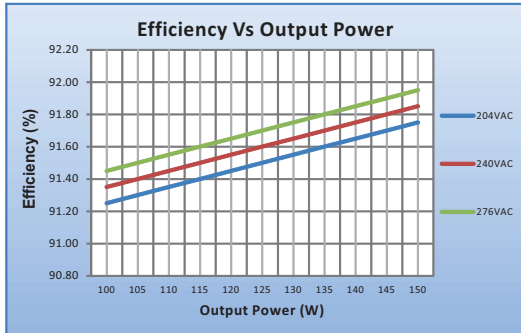


Figure 2

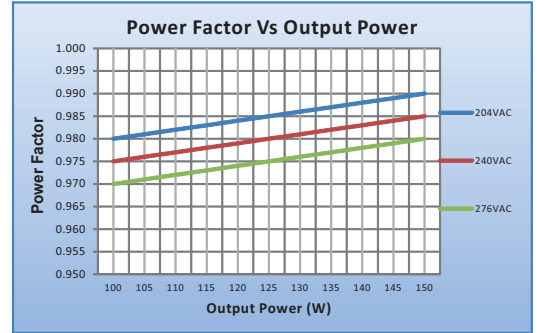


Figure 3

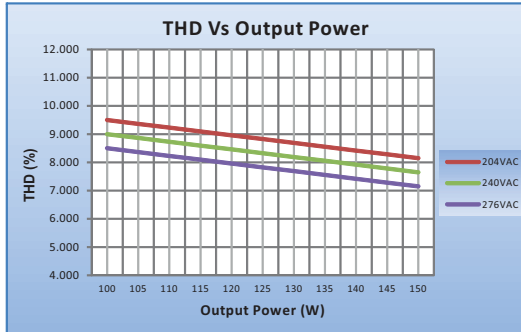


Figure 4

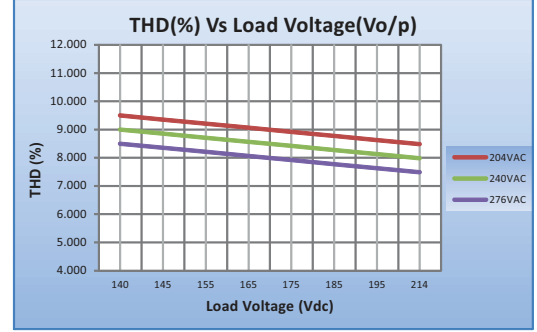


Figure 5

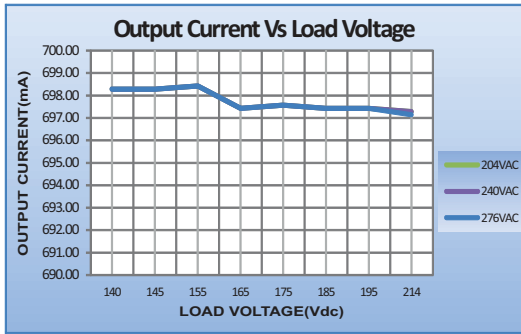


Figure 6

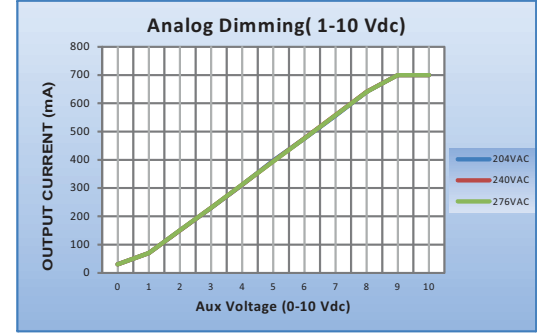
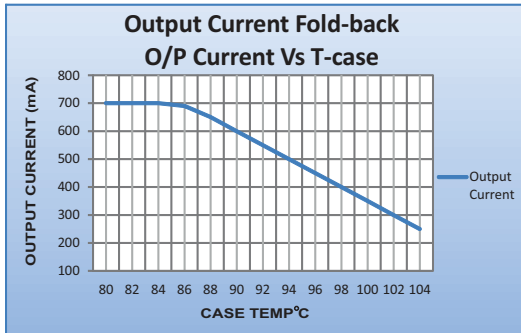


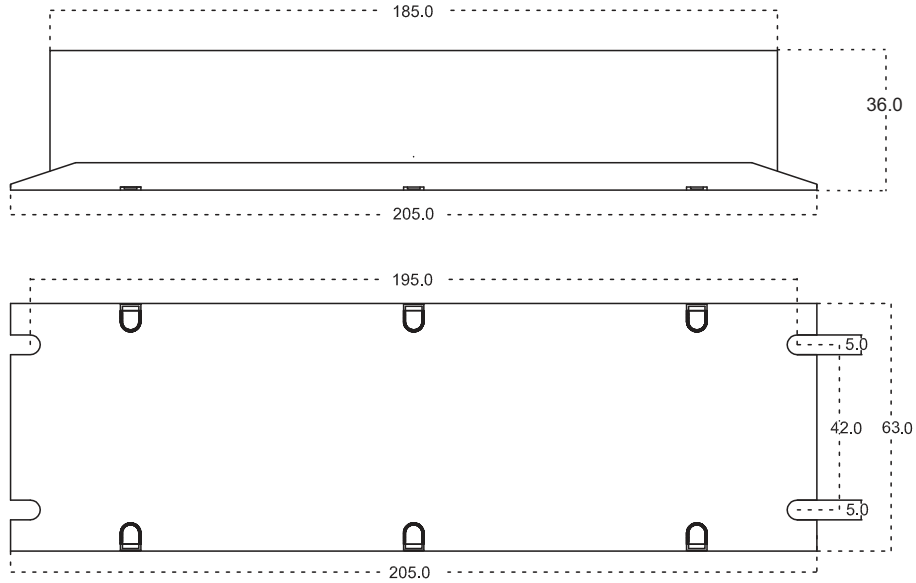
Figure 7



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years @ Tc 80°C 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

### MECHANICAL DATA

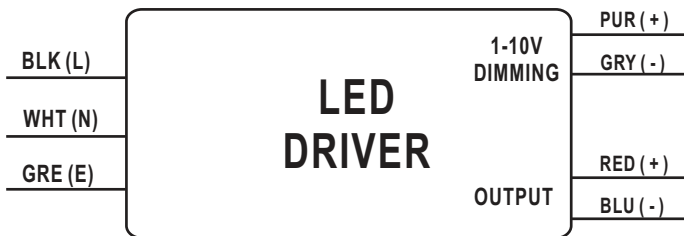


Product Image



Tolerance=±0.5mm

Wiring Diagrams



| INPUT SIDE | LENGTH  | DIMMING    | LENGTH  |
|------------|---------|------------|---------|
| BLACK (L)  | 300±5mm | PURPLE (+) | 300±5mm |
| WHITE (N)  |         | GREY (-)   |         |
| GREEN (E)  |         | OUTPUT     | LENGTH  |
|            |         | RED (+)    | 300±5mm |
|            |         | BLUE (-)   |         |

Note: This Driver Must Be Grounded

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years @ Tc 80°C 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.