**FULHAM**
**WORKHORSELED**™

PROGRAMMABLE CONSTANT CURRENT DRIVER

E342838

**SPECIFICATION SHEET: T1M1347105P-160L**

This Is An Original Product From Fulham Co., Inc

RoHS COMPLIANT   **IP65**

| Description: WorkHorseLED Driver - 170W - 347VAC - CC Prog 350-1050mA – 1-Channel – 0-10V Dimming - 70-300VDC - Long Case+wires - IP65 |
|---|

**This Driver Will Operate The Following LED Modules:**
Any LED module designed to accept constant input current of 350-1050mA and has a forward input voltage range of 70-300VDC. Pre-programed input current at 1050mA.

## ELECTRICAL DATA

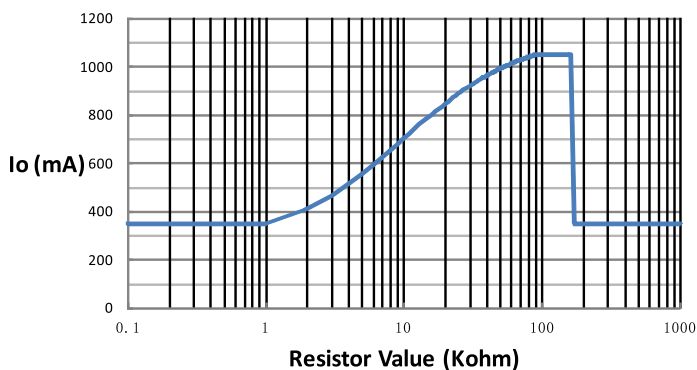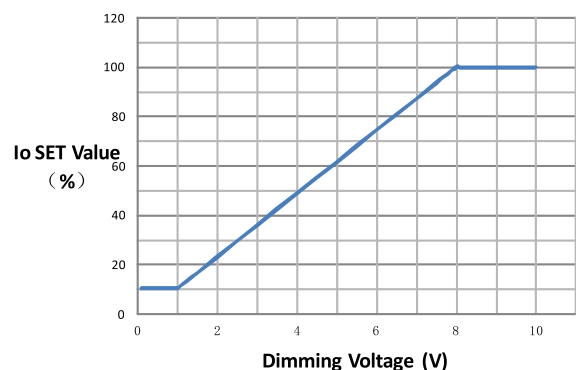| | |
|---|---|
| Input Voltage | 347VAC, 60Hz |
| Input Current | 0.54A Max |
| Input Power | 185W |
| Power Factor | >0.98 |
| THD | <20% |
| Efficiency | 92% Typical @ Full Load |
| Driver Type | Constant Current |
| Output Current | 350-1050mA Programmable; See Label For Set Current; To Program Use R-set (Figure 1) Or TPSB-100 (Programmer); Record New Setting On .375"x.375" Label [SL680 http://www.sheet-labels.com/labels/SL680] |
| Output Voltage Range | 70-300VDC |
| Output Power | 170W Max. |
| Number of Output Channels | 1 |
| Dimming Controller Type / Dimming Range | 0-10VDC / 100%-10% (Figure 2) |
| RFI/EMI | FCC Part 15A |
| Output Type | Non Class 2,Non isolated |
| Ambient Operating Temperature Range | - 40°C to 62°C |
| Max. Case Temperature | 90°C |
| Sound Rating | A |
| Input Surge Protection | Line-Neutral 4kV, Line & Neutral-Ground 4kV |
| Protections | Input Current Protection |
| | Output Short Circuit Protection |
| | Output Open Circuit Protection |
| | Overload Protection |
| | Over Temperature Protection |
| Runtime Counting Of Every 10 Degrees | Yes |
| Service Life | 5 Years @ Tc 80°C |
| Approvals / Class | cURus, Dry or Damp Locations, RoHS, IP65, Type HL/TL |

**Figure 1**

**Figure 2**



R-SET CURVE



0-10V DIMMING CURVE

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c**UL**us
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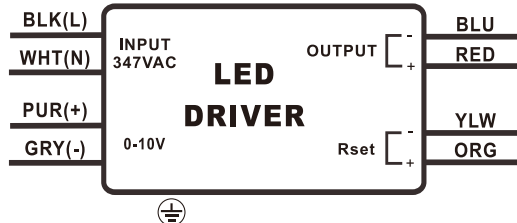RoHS
COMPLIANT

IP65

## MECHANICAL DATA

9.47″ (240.5mm)
8.91″ (226.2mm)
4.82″ (122.4mm)
0.33″ (8.4mm)
1.69″ (43.0mm)
2.33″ (59.1mm)

Tc, 90°C Max.

R0.12″ (3.0mm)
Ø0.24″ (6.0mm)

8.37″ (212.5mm)
1.46″ (37.1mm)
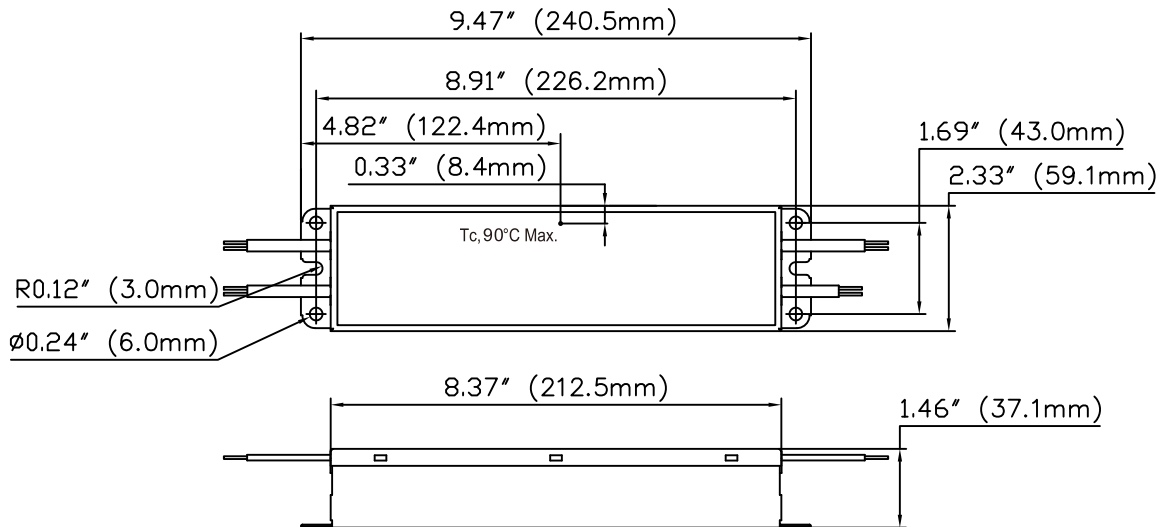
Tolerance=±0.02"

## WIRING DIAGRAMS

| INPUT SIDE | LENGTH |
|---|---|
| BLACK | 330mm [13"] |
| WHITE | 330mm [13"] |

| Dimming SIDE | LENGTH |
|---|---|
| PURPLE | 330mm [13"] |
| GRAY | 330mm [13"] |

BLK(L)
WHT(N)
PUR(+)
GRY(-)

INPUT
347VAC

LED
DRIVER

0-10V

OUTPUT

Rset

BLU
RED

YLW
ORG

| OUTPUT SIDE | LENGTH |
|---|---|
| RED | 330mm [13"] |
| BLUE | 330mm [13"] |

| Programming SIDE | LENGTH |
|---|---|
| YELLOW | 250mm [9.85"] |
| ORANGE | 250mm [9.85"] |

**NOTE : This Driver Must Be Grounded**

## TBSB-100:

For detail information on using TPSB-100 Driver Programming Box, please consult user's manual of TPSB-100.

USB    DMX/DA/PR
Power  mA  V  °C  %
Program
Read
M   - +
FULHAM