

- Thoro LED Driver
- U-OUT 24 V
- IP 64 Dry or Damp
- Suitable for Class I luminaire
- Universal Voltage: 100-277V~, 50/60Hz
- Output Voltage: 24V $\pm$
- Output Power: 60W
- Output Current: 2.5A Max.
- 0-10V Dimming

This Driver Will Operate The Following LED Modules:

LED module designed to accept constant voltage input of 24V and has a maximum input current of 2.5A.

Note: Constant voltage modules are usually with on-board circuit besides LEDs, the module & driver compatibility check is preferred before any installation. Some of the modules with big input capacitance may lead to the incompatibility with the dimmable driver, contact Fulham for further assistance.

General Specifications

Input Voltage	100-277V~, 50/60Hz
Input Current	0.71A @100VAC, 0.26A @277VAC
Input Power	72W
Power Factor	>0.9
THD	<20%
Efficiency	>85% @120VAC Full Load
Driver Type	Constant Voltage
Output Voltage Range	24V $\pm$
Output Current	2.5A Max.
Output Power	60W
Number of Output Channels	1 Channel
Dimming Controller Type/Dimming Range	0-10VDC
RFI/EMI	FCC Part 15B Consumer, EN55015
Output Type	Class 2, LVLE
Sound Rating	A
Protections	Input Surge Protection Input Current Protection Output Short Circuit Protection Output Open Circuit Protection Output To Ground Short Protection Overload Protection
Max. Case Temperature	89°C(192.2°F)
ta	-20°C to 60°C(-4°F to 140°F)
Service Life	50,000 hours @Tc 76°C(168.8°F)
Approvals / Class	CE, cULus, Class2, IP 64, RoHS, Dry or Damp Locations, Type HL, Type TL, LVLE
Warranty	5 years

Figure 1

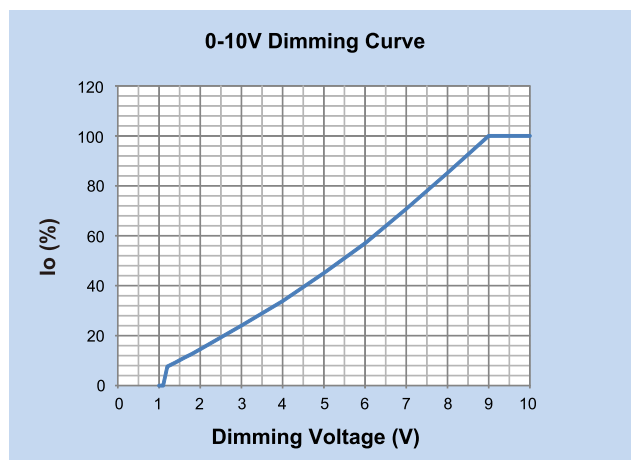


Figure 2

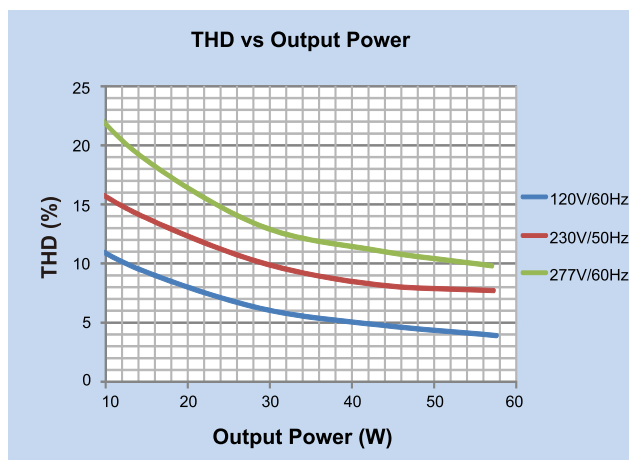


Figure 3

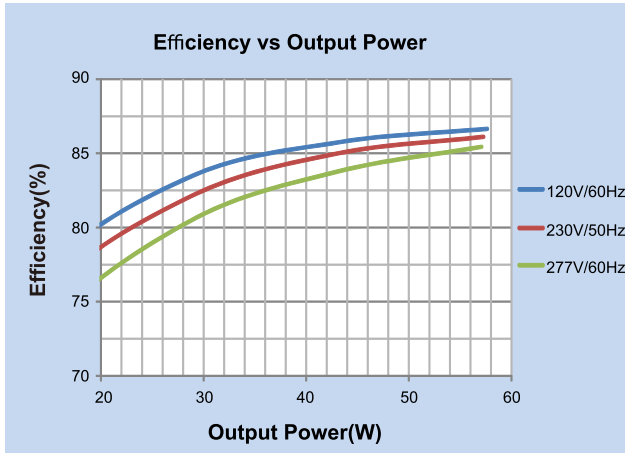


Figure 4

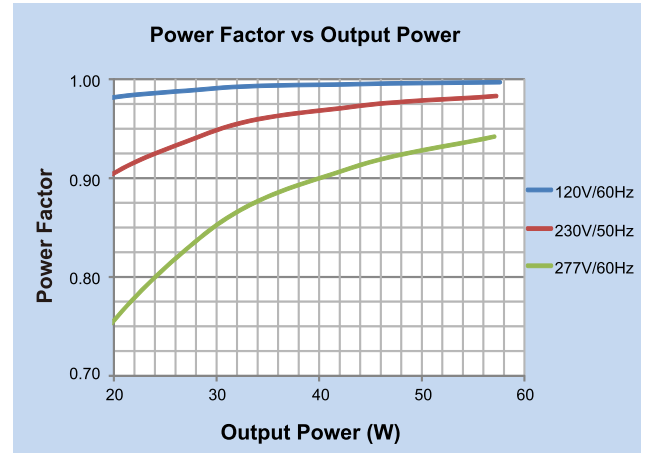
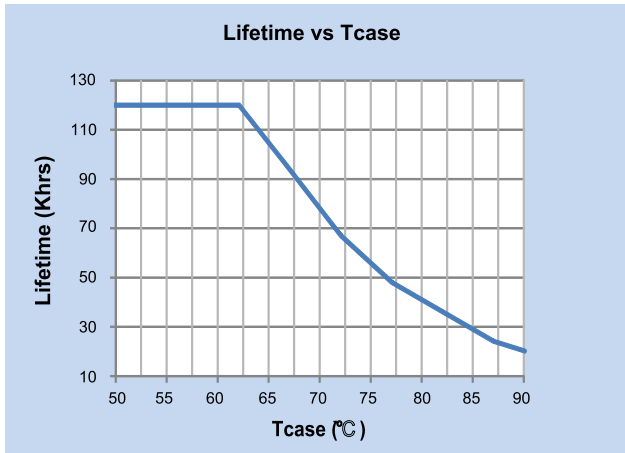
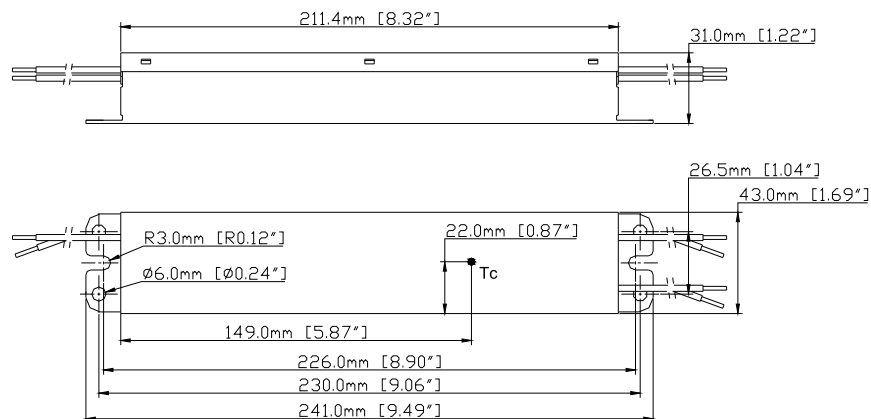


Figure 5



Mechanical Data

LENGTH	WIDTH	HEIGHT
241mm	43mm	31mm
9.49"	1.69"	1.22"



Case Tolerance=±0.02"

Fulham extends a limited warranty to the original purchaser or first user for a period of 5 years @ Tc 76°C from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please refer to the Warranty Center at www.fulham.com. Specifications subject to change without notice.

Wiring Diagrams

INPUT SIDE	LENGTH
WHITE	300mm [11.8"]
BLACK	300mm [11.8"]

OUTPUT SIDE	LENGTH
RED	300mm [11.8"]
BLUE	300mm [11.8"]
GREY	300mm [11.8"]
PURPLE	300mm [11.8"]



- NOTE :**
- 1.This Driver Must Be Installed By A Licensed Electrician
 - 2.This Driver Must Be Grounded