

**Description:** 160W Constant Current LED Driver, Single Channel, 110V-152V, 1.05A ( Dimmable )

**This Driver Will Operate The Following LED Modules:**

Any LED module designed to accept 1050mA and a voltage of 110-152VDC.

**ELECTRICAL DATA**

RATED INPUT VOLTAGE	120 VAC~277 VAC, 50/60Hz
OPERATING INPUT VOLTAGE RANGE	100 VAC~305 VAC, 50/60Hz
OPTIMUM PERFORMANCE INPUT VOLTAGE RANGE	120 VAC~277VAC, 50/60Hz
INPUT CURRENT	2.1A MAX @ 90VAC, 0.65A MAX @277VAC
POWER FACTOR	0.98
ATHD	10%
EFFICIENCY	>90%
INPUT POWER	178W MAX
OUTPUT TYPE	CONSTANT CURRENT
OUTPUT CURRENT	1050mA
OUTPUT VOLTAGE	110~152 VDC
OUTPUT POWER	160W MAX
NUMBER OF OUTPUT CHANNELS	1
EMI	EN55015
DIMMING CONTROLLER TYPE	ANALOG 1-10 VDC
DIMMING RANGE	10%-100%
MAX.CASE HOT SPOT TEMPERATURE (Tc MAX)	75°C
OPERATING TEMPERATURE	-25°C TO 50°C
APPROVALS CLASS (CONFORMING TO)	EN61347-2-13, EN61547, EN62384, EN61000-3-2, EN61000-3-3, IP67, CLASS II (ISOLATED)
HOT PLUG - IN	YES
CASE MATERIAL	ALUMINIUM EXTRUSION WITH S.S SIDE BRACKETS
WEIGHT	1.40KG

**CIRCUIT PROTECTION**

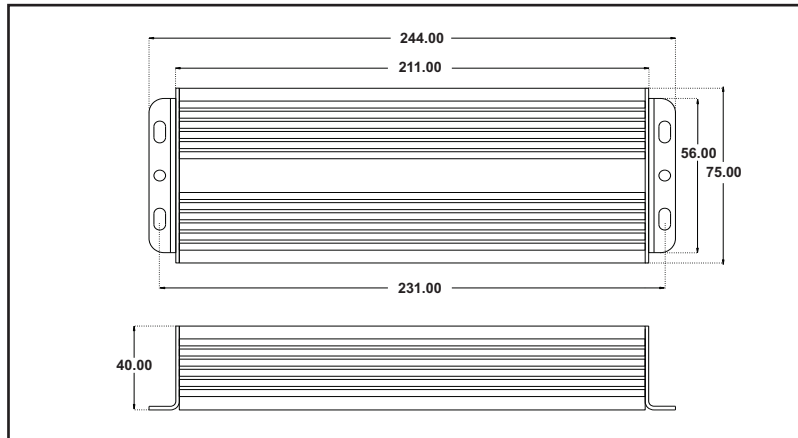
SURGE PROTECTION	YES (6KV/6KV)
INPUT OVER CURRENT PROTECTION	NON-RESETTABLE
INPUT OVER VOLTAGE	OVER VOLTAGE OPERATION (48Hrs @ 320VAC; 2Hrs @ 360VAC)
INPUT UNDER VOLTAGE	SHUTDOWN @ 85±5VAC, AUTORECOVERY @ 95±5VAC
OUTPUT SHORT CIRCUIT PROTECTION	AUTORECOVERY
OUTPUT OPEN CIRCUIT PROTECTION	AUTORECOVERY (MAX VOLTAGE)
OUTPUT TO GROUND SHORT PROTECTION	AUTORECOVERY
OUTPUT OVERLOAD PROTECTION	LIMITED BY MAX VOLTAGE OUTPUT
OVER TEMPERATURE PROTECTION	OUTPUT CURRENT FOLDBACK ABOVE Tc MAX

Note: All performance specified at Rated voltage and full load. Output current tolerance: ±5%

The usage of appropriate SURGE PROTECTIVE DEVICE (SPD) is MANDATORY for Outdoor drivers.

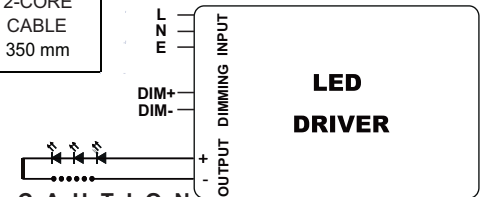
**CAUTION :-** The LED driver uses crowbar devices for surge protection. As such, high voltage electrical strength test should not be done with the driver wired into the luminaire. Typically, the driver would trip any voltage over 850 (Vpk), applied between any of the supply wires and the chassis. For certification purposes, special samples shall be provided for type testing, with the said component removed.

**MECHANICAL DATA**



**WIRING DIAGRAMS**

INPUT SIDE	LENGTH	OUTPUT SIDE	LENGTH
BLACK (L)	3-CORE CABLE 350 mm	RED (+)	2-CORE CABLE 350 mm
WHITE (N)		BLUE (-)	
GREEN (E)			
DIMMING	LENGTH		
PURPLE (DIM+)	2-CORE CABLE 350 mm		
GREY (DIM-)			



**CAUTION**  
HIGH VOLTAGE  
DO NOT SERVICE ONLINE

**Installation Instructions:** 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.

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years 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.**