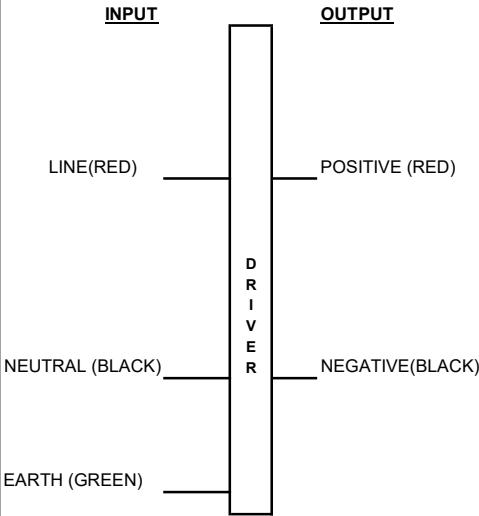




Ordering 12 NC	9290 034 21606
Brand Name	PHILIPS
Description	LED Driver 150W 12V 12.5A
Model Number	C150C1250V012FNA1AO
Input Voltage	180-305V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

Input Power (W)	Input Current (Arms)	Power Factor @Max Load	THD @ Max Load (%)	Surge Protection Diff.(KV)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency at Max Load (%)	Max Case Temp (°C)	Weight (Kg)	Envir. Protection Rating
165	240V	≥0.45	NA	6	150	12	12.5	240V	60	0.55	IP67
	1.37							≥90			

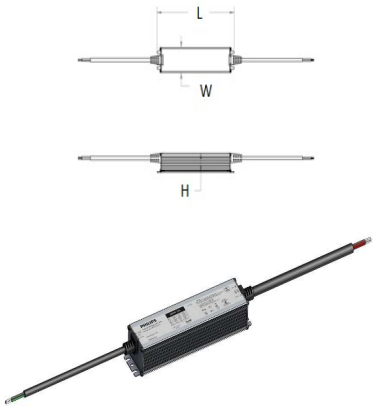
Wiring Diagram



Input Terminal
Wire type: 3 wire.

Output Terminal
Wire type: 2 wire.

Enclosure



	(mm)
Case Length	177
Case Width	50
Case Height	35
Mounting Length	185
Input Wire length	190
Output Wire length	190

PHILIPS

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150W 12.5A

Constant Voltage Led Driver
Model No: C150C1250V012FNA1AO

Operating range: 180-305V

MADE IN INDIA

Uin : 240V	Uout : 12Vdc
Freq : 50Hz	Pout : 150W
Iin : 1.37Aac	Iout : 12.5Adc
Pin : 165W	Tc : 60°C
PF : ≥0.45	Eff : ≥90%

Warning:

- This product is for use with LED module only.
- Be careful not to interchange AC input line and DC output line.
- Avoid direct sunlight and install in well ventilated area.

ISOLATION: 3.75 KV I/P-OP
SURGE: 6 KV L/E, 6KV L/N
PROTECTION: OTP, OVP, OCP, SCP

IP67

SELV

IS 15885
(Part 2/Sec 13)

R-87000035
www.bis.gov.in

12V LED
RED +
12.5A LED
BLACK -

Dry, Damp & Wet Location

RoHS COMPLIANT

Product Data	
Full product code	9290 034 21606
Full product name	LED Driver 150W 12V 12.5A
Net weight per piece	0.55 Kg
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +50C
AC Input Voltage (Performance range)	Typical 230V (Min- 204V , Max - 240V)
AC Input Voltage (Operating range)	Typical 240V (Min- 180V , Max - 305V)
Line Current	1.37A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP67
Life at Tc 70 degree C	50000 hrs (nom.)
Suitable For Outdoor Use	Yes
Tc - Max.	60°C
Max. Driver number on MCB 16A (Type B)	5(max)
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours Can Survive input Voltage Stress of 360V for 12 hours
Input Under Voltage Protection	Can Survive input Voltage Stress of 100V for 48 hours
EMI (CISPR15)	No
Output Current Tolerance	+/- 5% of Imax
Output Ripple Current	≤ 10% (ripple = pk / avg.)
THD Total	NA
P.F. at Max. Load	≥0.45
Isolation (Input - Output)	Basic Isolation
Protection	Short Circuit and Open Circuit Protection for LED + and LED Over temperature



Ordering 12 NC	9290 034 21606
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Input Voltage	180-305V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

Installation & Application Notes :

Section I - Physical Characteristics

- 1.1 LED Driver shall be installed inside / outside an electrical enclosure.
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher

Section II - Performance

- 2.1 LED Driver has a rated lifetime of 50,000 hours @ $T_c \leq 60^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is 60°C - see product label for measurement location
- 2.4 LED Driver complies with the requirements of IS 15885 (Part 2 / Sec 13)

ELECTRICAL RATINGS :

Model	Input, 50 Hz		Output (nominal)		
	V	A	V DC	A DC	Watts
LED Transformer 150W 12.5A	204- 240	1.37	12	12.5	150

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVES USE) :

Section III - Conditions of acceptability

When installed in the end-use equipment, the following are among the considerations to be made :

- 3.1 The equipment shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application.
- 3.2 The driver is suitable for outdoor LED Lighting application.
- 3.3 The driver is suitable for use in Dry & Damp locations.
- 3.4 When the drivers are installed in the end-use application, the case temperature should not exceed the temperature limits specified in the following table:

Model	Input Voltage, Hz	Max Case @ T_C , $^\circ\text{C}$
LED Transformer 150W 12.5A	204 - 240 , 50	60



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Address: Signify Innovations India Ltd
9B, DLF 9th Floor
DLF Cyber City, DLF Phase III
Gurgaon 122002
India

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