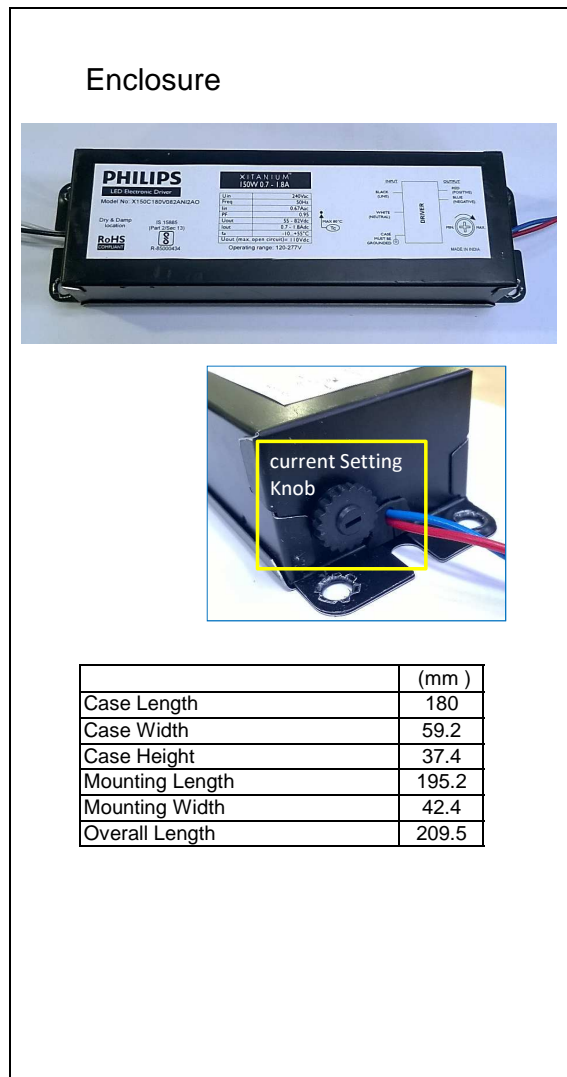
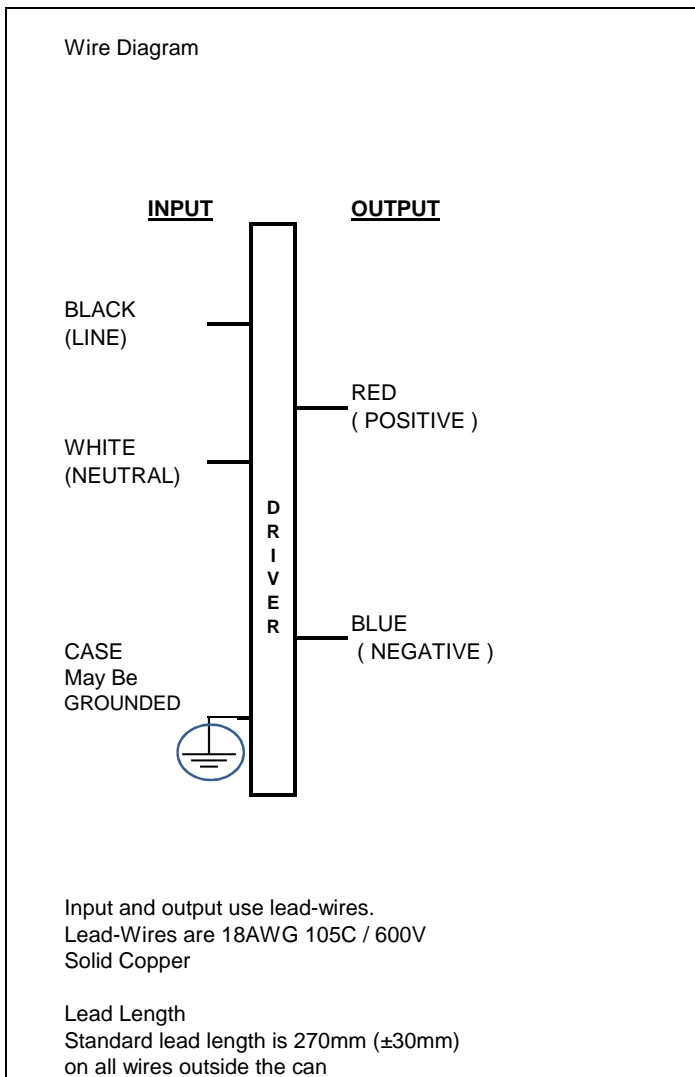


Ordering 12NC	9290 014 08006
Brand Name	Xitanium
Description	Xitanium 150W 0.7 - 1.8A 240V I
Model Number	X150C180V082ANI2AO
Input Voltage	120-277V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

Output Power (W)	Output Voltage (VDC)	Output Current (ADC)	Efficiency at Max Load	Max Case Temp (°C)	Input Current (Arms)	Max Input Power (W)	Inrush Current (Apk/50%-µs)	THD @ Max Load (%)	Power Factor @Max Load	Surge Protection Com/Diff(KV)	Weight (Kg)	Envir. Protection Rating
150	30 -85	0.7 - 1.8	@ 240V 90%	80	@ 240V 0.67	165	@ 240V 105/160	<10 @Max Load	> 0.95	4 / 4	0.825	Dry & Damp



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PHILIPS
LED Electronic Driver

Model No: X150C180V082ANI2AO

Dry & Damp location

IS 15885 (Part 2/Sec 13)

RoHS COMPLIANT

R-85000434

XITANIUM™
150W 0.7 - 1.8A

U _{in}	240Vac
Freq	50Hz
I _{in}	0.67Aac
PF	0.95
U _{out}	55 - 82Vdc
I _{out}	0.7 - 1.8Adc
t _a	-10...+55°C
U _{out} (max. open circuit)	110Vdc

Operating range: 120-277V

MAX 80°C
T_c

INPUT: BLACK (LINE), WHITE (NEUTRAL), CASE MUST BE GROUNDED

OUTPUT: RED (POSITIVE), BLUE (NEGATIVE)

MIN MAX

MADE IN INDIA

Product Data	
Full product code	9290 014 08006
Full product name	Xitanium 150W 0.7 - 1.8A 240V I
Net weight per piece	825 gms
Dimming	None
Ambient Temp. Range	-10°C to +55°C
Corresponding T case	+15°C to +80°C
Line Voltage (AC operation)	120 - 277V
Line Voltage (Performance)	140 - 270V
Line Current	0.67A @ 240V
Line Frequency	50/60 Hz
Envir. Protection Rating	Dry and Damp
Life at Tc 80 drgree C	50000 hrs (nom.)
Suitable For Outdoor Use	Yes
Max. Tc	80°C
Inrush Current	105 Apk @ 240V
Max. Driver number on MCB 16A (Type B)	11 (max.)
Input Over Voltage	Auto Shutdown at 325V ± 5V
	Can Survive input Voltage Stress of 440V for 8 hours
LED Current Tolerance	+/- 5%of I _{max}
Earth Leakage Current	0.7 mA (max)
Output Current Ripple	30% at 1800mA (ripple = pk - pk / avg.)
THD Total	≤ 10% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Wire Isolation	All Wires are double isolated to Ground
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	≤ 0.4W

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Installation & Application Notes :

Section I - Physical Characteristics

- 1.1 LED Driver shall be installed inside 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 @ $T_c \leq 80^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is 80°C - see product label for measurement location
- 2.4 LED Driver has Thermal Fold Back or shutdown above T_{cmax} , please refer to the table for typical performance
- 2.5 LED Driver reduces output power to LEDs if its case temperature $> 85^\circ\text{C}$
- 2.6 LED Driver complies with the requirements of IS 15885 (Part 2 / Sec 13)

ELECTRICAL RATINGS :

Model	Input, 50/60 Hz		Output (nominal)		
	V	A	V DC	mA DC	Watts
Xitanium 150W 0.7 - 1.8A 240V I	240	0.67	30 -85	0.7 - 1.8	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 :

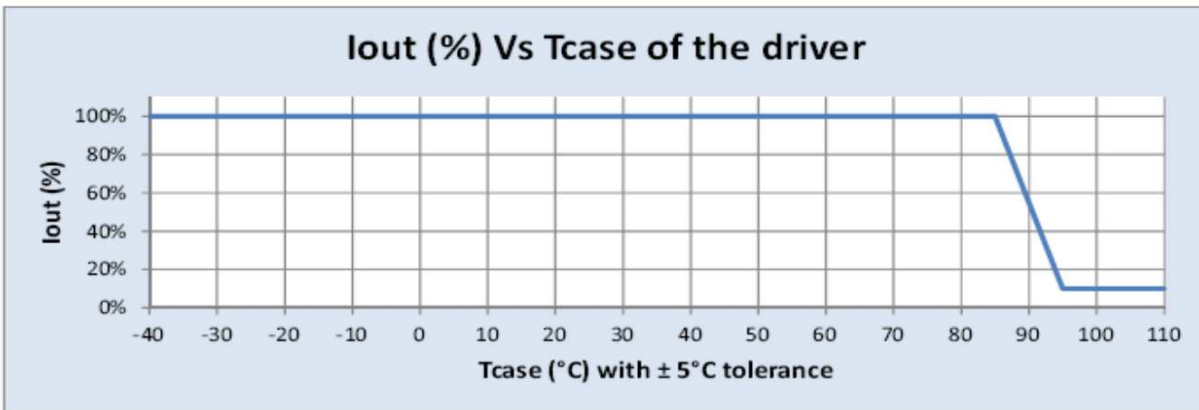
- 3.1 The equipment shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application.
- 3.2 The driver case must be grounded in the end-use application.
- 3.3 The driver is suitable for use in "Damp" and "Dry" locations.
- 3.4 When 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 @ TC , °C
Xitanium 150W 0.7 - 1.8A 240V I	240 , 50/60	80

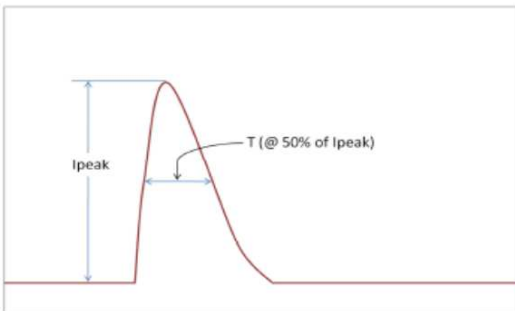
- 3.5 The leakage current test should be repeated in the end device.

Model	Input Voltage, Hz	Leakage Current
Xitanium 150W 0.7 - 1.8A 240V I	240 , 50/60	0.7mA max.

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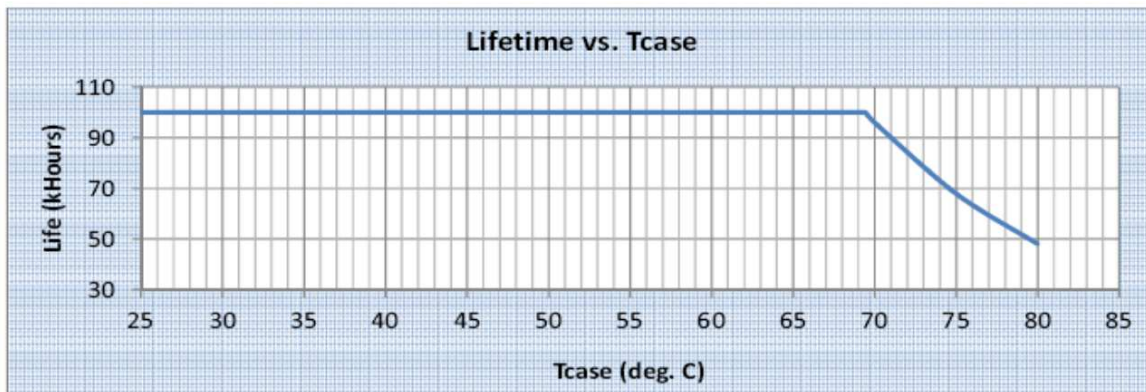


Inrush Current info :



Vin	Ipeak	T (@50% of Ipeak)
240 Vrms	105A	160 μs

Lifetime vs Tcase of Driver :



Failure rate info based upon field called rate data:
 < 0.2% per 1 Khr @ ≤ T case 80°C

Revised 4/3/2017

Philips India Ltd
 9B, DLF 9th Floor
 DLF Cyber City, DLF Phase III
 Gurgaon 122002
 India

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Isolation :

Isolation	Input Wires	Output Wires	Chassis
Input Wires	NA	1750 V	3750 V
Output Wires	1750 V	NA	3750 V
Chassis	3750 V	3750 V	NA