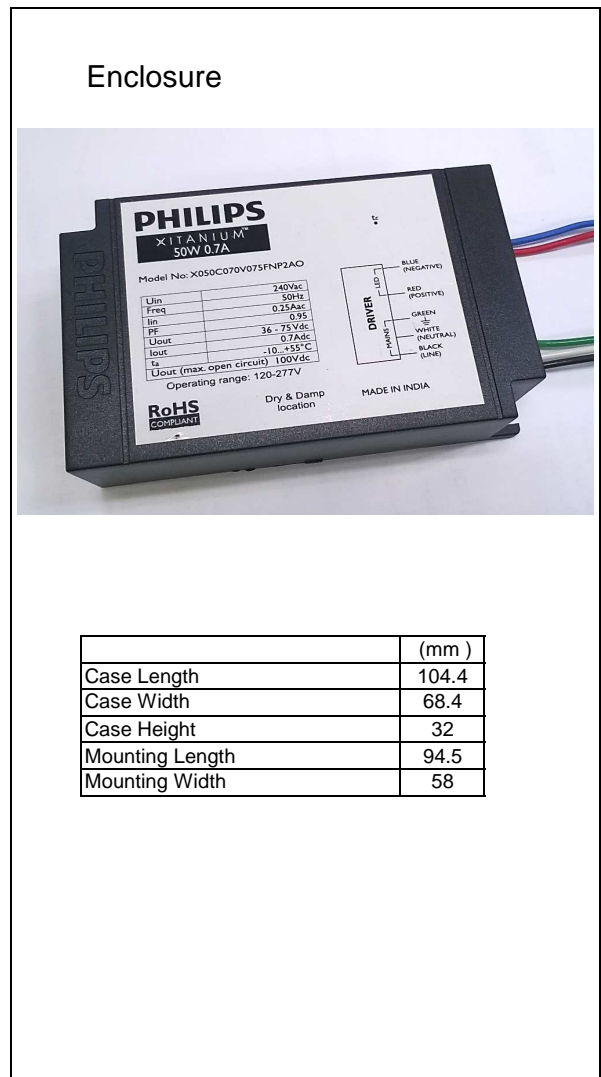
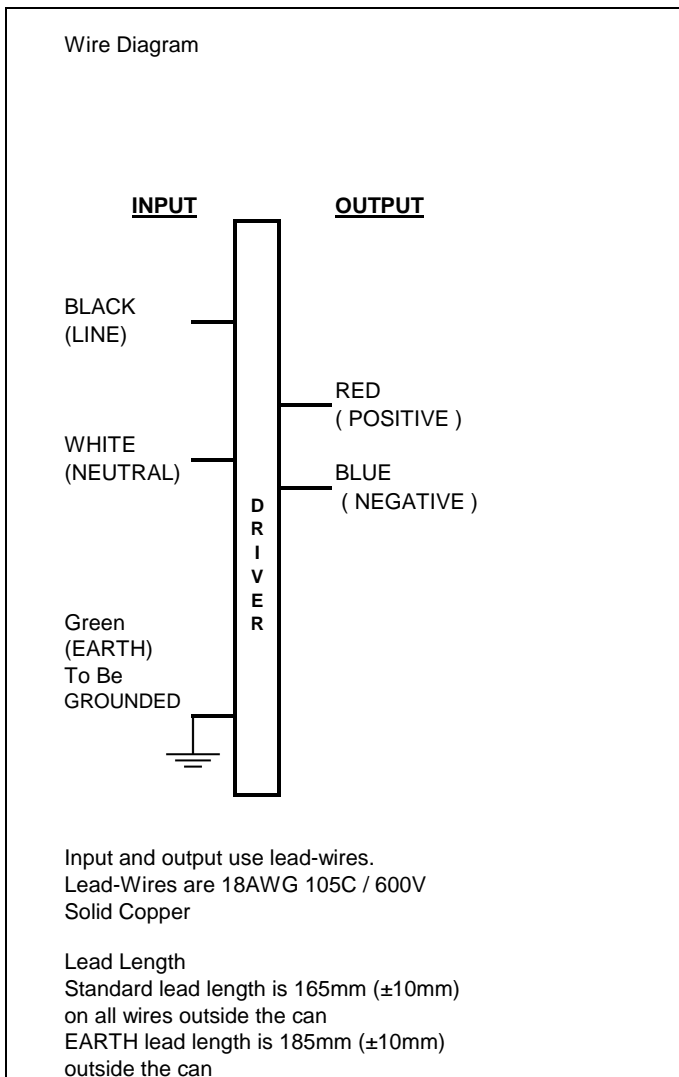



Ordering 12NC	9290 014 07406
Brand Name	Xtitanium
Description	Xtitanium 50W 0.7A
Model Number	X050C070V075FNP2AO
Input Voltage	220 - 240V
Input Frequency	50/60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

Output Power (W)	Output Voltage (V)	Output Current (A)	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
25 -50	36 - 75	0.7	240V	85	240V	55.5	240V	≤ 10 @Max Load	≥ 0.95	4/4	0.4	Dry & Damp
			87.5		0.25		30/350					




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PHILIPS
XITANIUM™
50W 0.7A

IS 15885
(Part 2/Sec 13)




R-85000434

Model No: X050C070V075FNP2AO

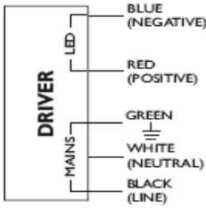
U _{in}	240Vac
Freq	50Hz
I _{in}	0.25Aac
PF	0.95
U _{out}	36 - 75Vdc
I _{out}	0.7A _{dc}
t _a	-10...+55°C
U _{out} (max. open circuit)	120Vdc

Operating range: 120-277V



Dry & Damp
location

MADE IN INDIA



Product Data	
Full product code	9290 014 07406
Full product name	Xitanium 50W 0.7A
Net weight per piece	400 gms
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +55C
Line Voltage (AC Nominal)	220 - 240V +/-10%
Line Voltage (AC Operating Range)	120 - 277V
Line Current	0.25A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	Dry and Damp
Life at Tc 65 drgree C	50000 hrs (nom.)
Suitable For Outdoor Use	Yes - Potted Driver
Tc - Max.	85°C
Tc - Life	80°C
Inrush Current	30Apk @ 240V
Max. Driver number on MCB 16A (Type B)	19 (max.)
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours Can Survive input Voltage Stress of 350V for 2 hours
LED Current Tolerance	+/- 7%of I _{max}
Earth Leakage Current	0.7 mA Pk (max)
Output Current Ripple	30% (ripple = pk / avg.)
THD Total	≤ 10% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Galvanic Isolation	Input - Output Isolated (Basic Isolation 1.5 KV)
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	≤4W

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RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

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 85°C max. - 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, 50/60 Hz		Output (nominal)		
	V	A	V DC	A DC	Watts
Xitanium 50W 0.7A	220 - 240	0.25	36 - 75	0.7	50

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:

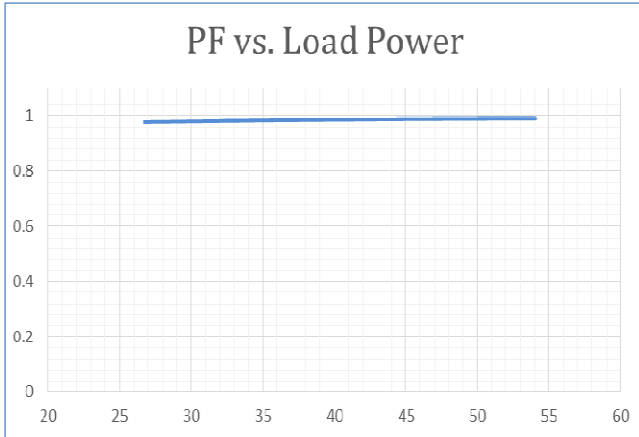
Model	Input Voltage, Hz	Max Case @ TC , °C
Xitanium 50W 0.7A	220 - 240 , 50/60	85

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

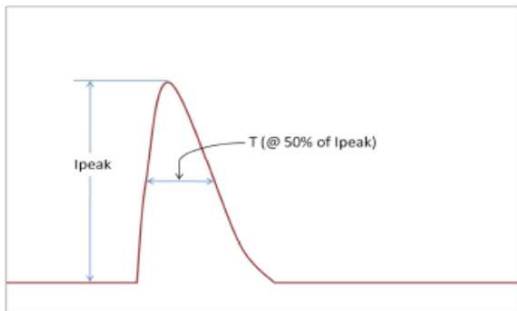
Model	Input Voltage, Hz	Leakage Current
Xitanium 50W 0.7A	220 - 240 , 50/60	0.7mA max.

Ordering 12NC	9290 014 07406
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Input Voltage	220 - 240V
Input Frequency	50/60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

Power Factor vs Output Power :

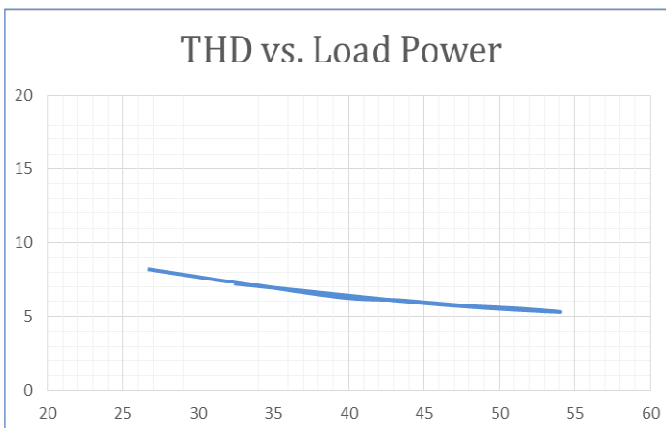


Inrush Current info :



V_{in}	I_{peak}	T (@50% of I_{peak})
240 Vrms	30A	350 μ s

THD vs Load Power :



Failure rate info based upon field called rate data:
 < 0.2% per 1 Khr @ $\leq T$ case-Life 80°C

Revised 8/23/2016

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