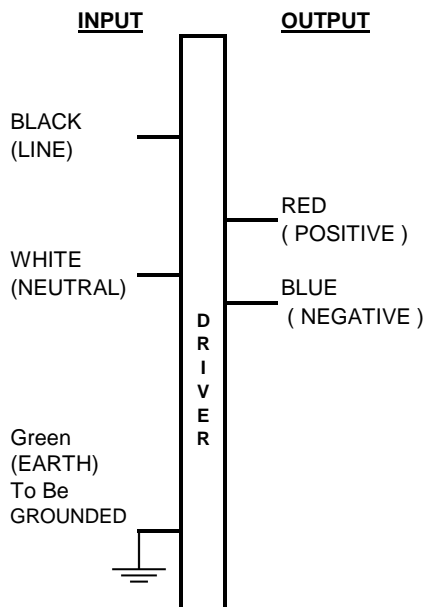


Ordering 12NC	9290 014 07606
Brand Name	Xitanium
Description	Xitanium 36W 1.0A
Model Number	X036C100V036FNP1AO
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Certified

Output Power (W)	Output Voltage (V dc)	Output Current (A dc)	Efficiency at Max Load	Max Case Temp (°C)	Input Current (Arms)	Max Input Power (W)	Ambient Temperature (°C)	THD @ Max Load (%)	Power Factor @Max Load	Surge Protection Diff/Com(KV)	Weight (Kg)	Envir. Protection Rating
36	26 - 36	1.0	240V	80	240V	40	-10 to +55	≤ 10 @Max Load	≥ 0.95	4 / 4	0.27	Dry & Damp
			88		0.175							

### Wire Diagram



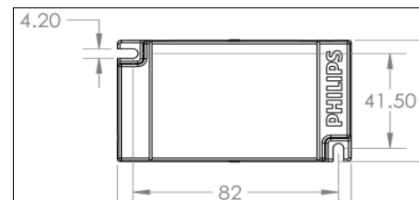
Input and output use lead-wires.  
Lead-Wires are 105C / 600V multistrand Copper wire with soldered ends

Lead Length  
Standard lead length is 110mm (±10mm) on all wires outside the can

### Enclosure



	(mm )
Case Length	92
Case Width	54
Case Height	32
Mounting Length	82
Mounting Width	42



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## PHILIPS

### XITANIUM™

36W 1.0A 36V

IS 15885  
(Part 2/Sec 13)

R-85000434

1.0A

• tc  
80°C max

Model No: X036C100V036FNP1AO

$U_n$ : 240V	$f_n$ : 50Hz
$I_n$ : 0.175A	$P_{out}$ : 36W
$P_n$ : 40W	$U_{out}$ : 26-36Vdc
PF : $\geq 0.95$	$I_{out}$ : 1.0A dc
THD : $\leq 10\%$	$t_a$ : -10...+55°C

Uout (Open Circuit Voltage): 50Vdc max

**LED DRIVER**

MAINS- LED

GREEN- BLACK- WHITE- RED- BLUE

⊖ ⊕ ⊖ ⊕

Dry & Damp location  
Made in India

Product Data	
Full product code	9290 014 07606
Full product name	Xitanium 36W 1.0A
Net weight per piece	270 gms
Dimming	None ( FIXED )
Ambient Temp. Range	-10C to +55C
Line Voltage ( AC Nominal)	220 - 240V +/-10%
Line Voltage ( Output Power Regulation)	140 - 277V
Line Current	0.175A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	Dry and Damp
	Suitable for Outdoor Application
Life at Tc 65 drgree C	50000 hrs ( nom. )
Ingress Protection	IP 20
Tc - Max.	80°C
Max. Driver number on MCB 16A ( Type B )	24 ( max. )
Input Over Voltage	Auto Shutdown at 300 ± 10V AC
	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 Imax
Earth Leakage Current	0.7 mA Pk ( max)
Output Current Ripple	25% ( ripple = pk / avg. )
THD Total	$\leq 10\%$ @ Full Load @ 240V Supply
P.F. at Max. Load	$\geq 0.95$
Isolation ( Input - Output )	Isolated Driver ( Basic isolation : 1.5KV )
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	$\leq 0.5W$

Ordering 12NC	9290 014 07606
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Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	<a href="#">BIS Certified</a>

## 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  $80^\circ\text{C}$  - 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, 50/60 Hz		Output ( nominal )		
	V	A	V DC	A DC	Watts
Xitanium 36W 1.0A	220 - 240	0.175	36	1.0	36

### 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 36W 1.0A	220 - 240 , 50/60	80

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

Model	Input Voltage, Hz	Leakage Current
Xitanium 36W 1.0A	220 - 240 , 50/60	0.7mA max.