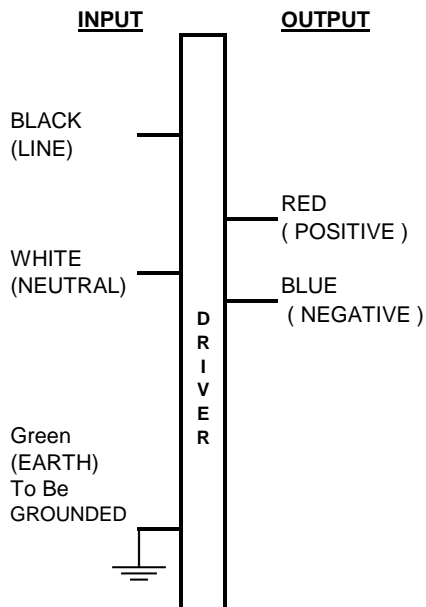


Ordering 12NC	9290 015 07214
Brand Name	Xitanium
Description	Xitanium 36W 0.7A 52V
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

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 Diff/Com(KV)	Weight (Kg)	Envir. Protection Rating
36	40 -52	0.7	240V	75	240V	40	240V	≤ 10 @Max Load	≥ 0.95	4 / 4	0.27	Dry & Damp
			≥85		0.170		27/150					

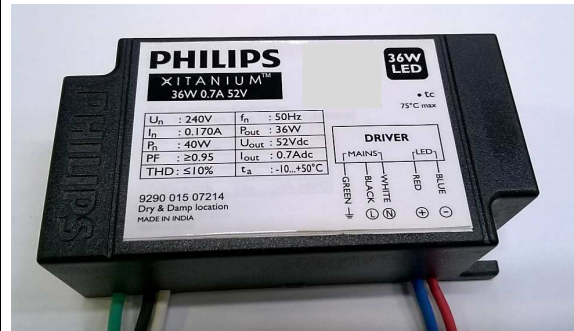
Wire Diagram



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	44

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PHILIPS

XITANIUM™

36W 0.7A 52V

0.7A

• tc
75°C max

Model No: 929001507214

U_n : 240V	f_n : 50Hz
I_n : 0.170A	P_{out} : 36W
P_n : 40W	U_{out} : 40-52Vdc
PF : ≥ 0.95	I_{out} : 0.7A _{dc}
THD : $\leq 10\%$	t_a : -10..+50°C
U _{out} (Open Circuit Voltage): 80Vdc max	

DRIVER

Dry & Damp location
MADE IN INDIA

Product Data	
Full product code	9290 015 07214
Full product name	Xitanium 36W 0.7A 52V
Net weight per piece	270 gms
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +50C
Line Voltage (AC Nominal)	220 - 240V +/-10%
Line Voltage (Output Power Regulation)	140 - 270V
Line Current	0.170A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	Dry and Damp, Potted LED Driver
Life at Tc 65 drgree C	50000 hrs (nom.)
Ingress Protection	IP 20
Tc - Max.	75°C
Tc - Life	65°C
Inrush Current	27Apk @ 240V
Max. Driver number on MCB 16A (Type B)	31 (max.)
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours
Input Over Voltage Cut Off	Auto Shutdown at 300 ± 15V and Auto Recovery
Input Over Voltage Protection	Can Survive input Voltage Stress of 440V for 8 hours
Input Under Voltage Protection	Can Survive input Voltage Stress of 100V for 48 hours
LED Current Tolerance	+/- 5%of I _{dc}
Earth Leakage Current	≤ 0.7 mA Pk
Output Current Ripple	30% (ripple = pk / avg.) for frequency 50 - 1K Hz
Generated disturbances and EMI	EN 55015/CISPR15
	Conducted EMI, 9kHz-30MHz
THD Total	$\leq 10\%$ @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Isolation (Input - Output)	Basic insulation - 1.5KV
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	$\leq 0.5W$

Ordering 12NC	9290 015 07214
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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

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 @ $T_c \leq 65^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is 75°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 0.7A 52V	220 - 240	0.17	52	0.7	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 0.7A 52V	220 - 240 , 50/60	75

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

Model	Input Voltage, Hz	Leakage Current
Xitanium 36W 0.7A 52V	220 - 240 , 50/60	0.7mA max.