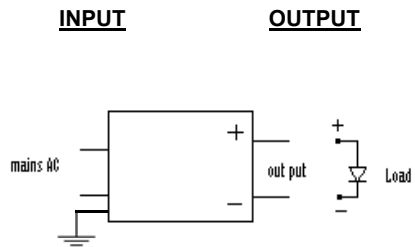


Ordering 12NC	9290 014 23806
Brand Name	LED Driver
Description	XITANIUM 32W 320mA 100V
Model Number	X032C032V100FNM2AI
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS in progress

Output Power (W)	Output Voltage (V)	Output Current (A DC)	Efficiency at Max Load (%)	Max Case Temp (°C)	Input Current (Arms)	Max Input Power (W)	Isolation (Input - Output)	THD @ Max Load (%)	Power Factor @Max Load	Surge Protection (KV)	Weight (Kg)	Envir. Protection Rating
32	80 - 102	0.320	240V	75	240V	36	Non-Isolated Driver	≤ 10 @Max Load	≥ 0.95	2.0	0.13	IP 20 Indoor use
			88		0.16							

Wire Diagram



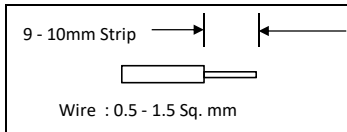
Input Connector

Mains (L-N - E)	Orange
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Output Connector

LED +ve	Red
LED -ve	Black

Wire to Use


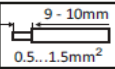


Enclosure



	(mm)
Case Length	190
Case Width	30
Case Height	20
Mounting Length	170
Side Mounting Length	172

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 <p>PHILIPS XITANIUM™ 32W 320mA 100V Model No: X032C032V100FNM2AI For indoor use only</p>	Un : 240 Vac	PF : 0.95	 <p>tc ●</p> <p>+</p> <p>-</p> <p>Made in India</p>
	In : 0.16Aac	tc : 75°C	
	fn : 50..60Hz	ta : 0..50°C	
	Pin : 36W	THD : <10%	

Product Data	
Full product code	9290 014 23806
Full product name	XITANIUM 32W 320mA 100V
Net weight per piece	130 gms
Dimming	None (FIXED)
Ambient Temp. Range	0°C to + 50°C
Line Voltage (AC Nominal)	220 - 240V +/-10%
Line Voltage (AC Performance Range)	140 - 280V
Line Regulation	+/- 10%
Line Current	0.16A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP 20 (For Indoor use only)
Life at Tc 75 dgree C	50000 hrs (nom.)
Tc - Max.	75°C
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	+/- 10%of Imax
Output Ripple	30% (ripple = pk / avg.) with CertaFlux 2ft 2200 lumen
THD Total	≤ 10% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Isolation (Input - Output)	Non- Isolated driver
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	≤0.5W

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

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 @ $T_c \leq 75^\circ\text{C}$
- 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 32W 320mA 100V	220 - 240	0.16	80 - 102	0.320	32

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 indoor application only.
- 3.3 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 32W 320mA 100V	220 - 240 , 50	75