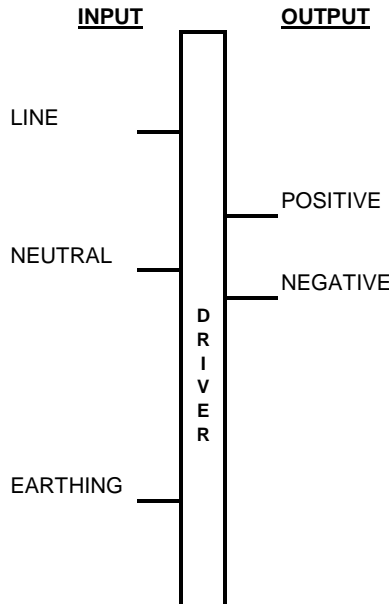


9290 015 08914	
Brand Name	Xitanium
Description	Xitanium 36W 1A 240V ML 1
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	TBD - IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

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	21-36	1	240V	75	240V	41	240V	≤ 10 @Max Load	≥ 0.95	3	0.210	IP 20
			88		0.178		23/278					

Wiring Diagram



Input Terminal
2 Way Connector
Earthing - SCREW


Output Terminal
2 Way Connector

Enclosure




	(mm)
Case Length	210
Case Width	40
Case Height	29
Mounting Length	200

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Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	TBD - IS 15885 (Part 2 / Sec 13)
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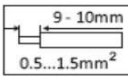
XITANIUM
36W 1A 240V MLI
9290 015 08914

IS 15885
(Part 2/Sec 13)




R-85000434

U_n : 240V 50Hz	P_{out} : 36W
I_n : 0.178Aac	U_{out} : 36Vdc
P_n : 41W	I_{out} : 1Adc
PF : ≥ 0.95	t_c : 75°C
THD : $\leq 10\%$	t_a : 0...+50°C



9 - 10mm
0.5...1.5mm²



LED

• tc

For Indoor Use Only
MADE IN INDIA

Product Data	
Full product code	9290 015 08914
Full product name	Xitanium 36W 1A 240V ML 1
Net weight per piece	210 gms
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +50C
Line Voltage (AC Nominal)	220 - 240V +/-10%
Line Voltage (Operating Performance Range)	140 - 270V
Line Current	0.178A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP 20
Life at Tc 75 drgree C	50000 hrs (nom.)
Suitable For Indoor Use	Yes
Tc - Max.	75°C
Inrush Current	23Apk @ 240V
Max. Driver number on MCB 16A (Type B)	36 (max.)
Input Over Voltage Protection	Shutdown at 300V \pm 10V
LED Current Tolerance	+/- 10%of Imax
Output Current Ripple	$\leq 30\%$ (ripple = pk / avg.)
THD Total	$\leq 10\%$ @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Isolation (Input - Output)	3750V
Earth Leakage Current	0.7 mA (max)
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	$\leq 0.5W$

	9290 015 08914
Brand Name	Xitanium
Description	Xitanium 36W 1A 240V ML 1
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	TBD - IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

Installation & Application Notes :

Section I - Physical Characteristics

- 1.1 LED Driver shall be installed inside / outside an electrical enclosure for indoor application.
- 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 36W 1A 240V ML 1	220 - 240	0.178	21 - 36	1.0	36

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVES USE) :

Section III - Conditions of acceptability

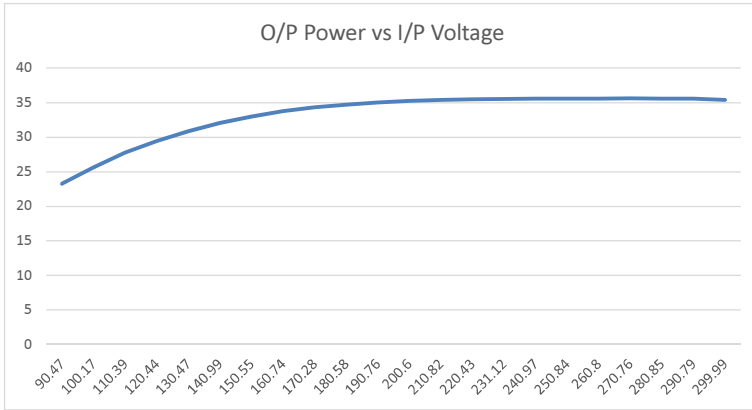
When installed in the end-use equipment, the following are among the considerations to be made :

- 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 is suitable for indoor LED Lighting application.
- 3.3 The driver is suitable for use in 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:

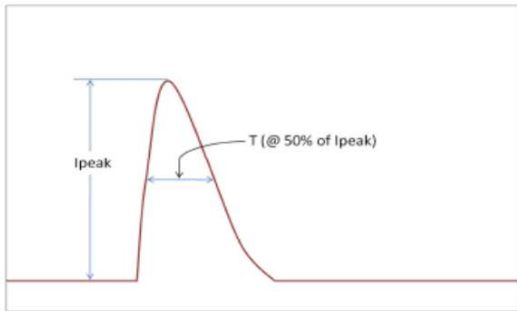
Model	Input Voltage, Hz	Max Case @ TC , °C
Xitanium 36W 1A 240V ML 1	220 - 240 , 50/60	75

	9290 015 08914
Brand Name	Xitanium
Description	Xitanium 36W 1A 240V ML 1
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	TBD - IS 15885 (Part 2 / Sec 13)
Status	BIS Certified

Output Power vs Input Voltage :

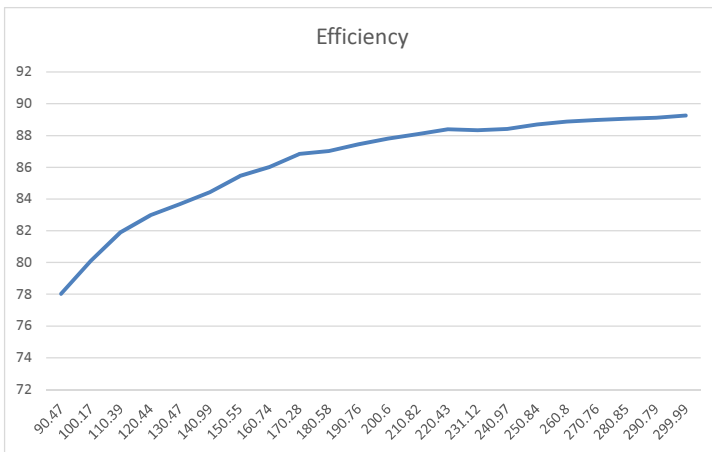


Inrush Current info :



Vin	Ipeak	T (@50% of Ipeak)
240 Vrms	23A	278 μ s

Efficiency vs Input Voltage :



Failure rate info based upon field called rate data:
 $\leq 0.2\%$ per 1K hour @ $T_c \leq 75^\circ\text{C}$