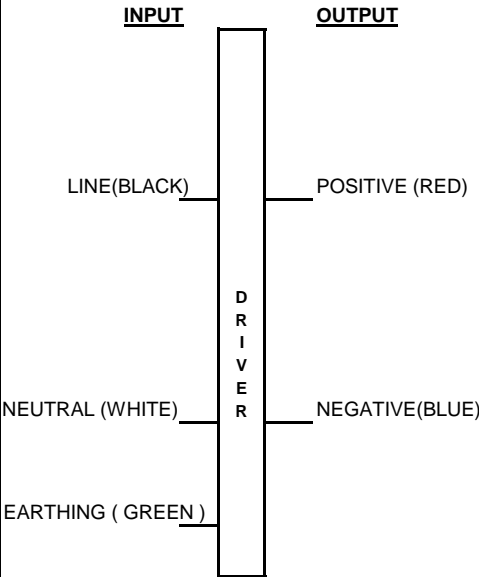




Ordering 12 NC	9290 034 12906
Brand Name	LED Driver
Description	XITANIUM 40W 1.0A
Model Number	X040C100V040FNP0AOC1
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Certified

Input Power (W)	Input Current (Arms)	Power Factor @Max Load	THD @ Max Load (%)	Surge Protection Diff.(KV)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency at Max Load (%)	Max Case Temp (°C)	Weight (Kg)	Envir. Protection Rating
45	240V	0.95	≤5%	4	40	30-42	1.0	240V	85	0.270	Dry and Damp
	0.20							>85			

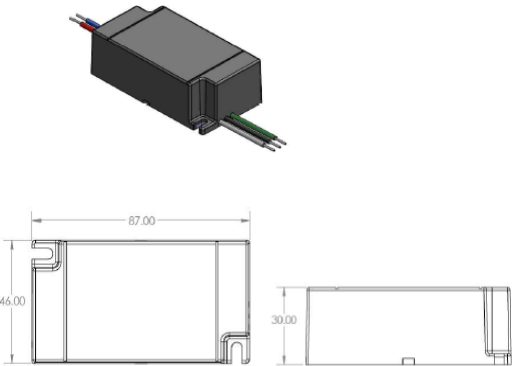
Wiring Diagram



Input Terminal  
Wire type: 3 wire.

Output Terminal  
Wire type: 2 wire.


Enclosure



	(mm )
Case Length	87
Case Width	46
Case Height	30

# PHILIPS

Ordering 12 NC	9290 034 12906
Brand Name	LED Driver
Description	XITANIUM 40W 1.0A
Model Number	X040C100V040FNP0AOC1
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Certified



**PHILIPS**<sup>tc</sup>  
**XITANIUM™**  
40W 1.0A 40V

Model No: X040C100V040FNP0AOC1

IS 15885  
(Part 2/Sec 13)  
85°C max.

**8**  
R-72006327  
www.bis.gov.in

$U_n$ : 240Vac	$f_n$ : 50Hz
$I_n$ : 0.21Aac	$P_{out}$ : 40W
$P_n$ : 45W	$U_{out}$ : 30 - 42Vdc
PF : $\geq 0.95$	$I_{out}$ : 1.0Adc
THD : $\leq 5\%$	$t_a$ : -15...+55°C
Uout (Open Circuit Voltage): <60Vdc max	

Dry & Damp location
Made in India

Product Data	
Full product code	9290 034 12906
Full product name	XITANIUM 40W 1.0A
Net weight per piece	0.27 gms
Dimming	None ( FIXED )
Ambient Temp. Range	-15C to +55C
AC Input Voltage ( Performance range )	Typical 240V ( Min- 220V , Max - 240V )
AC Input Voltage ( Operating range )	Typical 240V ( Min- 100V , Max - 300V )
Line Current	0.2A
Line Frequency	50 Hz
Envir. Protection Rating	Dry and damp
Life at Tc 85 degree C	50000 hrs ( nom. )
Suitable For Outdoor Use	Yes
Tc - Max.	85°C
Max. Driver number on MCB 16A ( Type B )	31 ( max. )
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours Can Survive input Voltage Stress of 360V for 12 hours Can Survive input Voltage Stress of 440V for 8 hours
Input Under Voltage Protection	Can Survive input Voltage Stress of 100V for 48 hours
Input Over Voltage Cut Off	Auto Shutdown at $\geq 325V$ and Auto Recovery at 300V - 315V
Input under voltage shutdown	Auto Shutdown at $\leq 95V$ and auto Recovery at 95 - 100V
EMI (CISPR15)	EN 55015/CISPR15 Conducted EMI, 9kHz-30MHz
Output Current Tolerance	+/- 5% of Imax
Output Ripple Current	$\leq 30\%$ ( ripple = pk / avg. )
THD Total	$\leq 10\%$ @ Full Load @ 240V Supply
P.F. at Max. Load	$\geq 0.95$
Isolation ( Input - Output )	Basic Isolation
Protection	Short Circuit and Open Circuit Protection for LED + and LED -



Ordering 12 NC	9290 034 12906
Brand Name	LED Driver
Description	XITANIUM 40W 1.0A
Model Number	X040C100V040FNP0AOC1
Input Voltage	220 - 240V
Input Frequency	50 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 / outside an electrical enclosure.
- 1.2 Wiring inside electrical enclosure shall comply with 1100V/105°C rating or higher

### Section II - Performance

- 2.1 LED Driver has a rated lifetime of 50,000 hours @  $T_c \leq 85^\circ\text{C}$
- 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 Hz		Output ( nominal )		
	V	A	V DC	A DC	Watts
XITANIUM 40W 1.0A	220 - 240	0.21	40	1.0	40

### 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 & Damp 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 @ $T_C$ , $^\circ\text{C}$
XITANIUM 40W 1.0A	220 - 240 , 50	85



©2021 Signify Holding, IBRS 10461, 5600 VB, NL. All rights reserved.

Address: Signify Innovations India Ltd  
9B, DLF 9th Floor  
DLF Cyber City, DLF Phase III  
Gurgaon 122002  
India

The information provided herein is subject to change without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners. Date of release: Nov 17, 2022