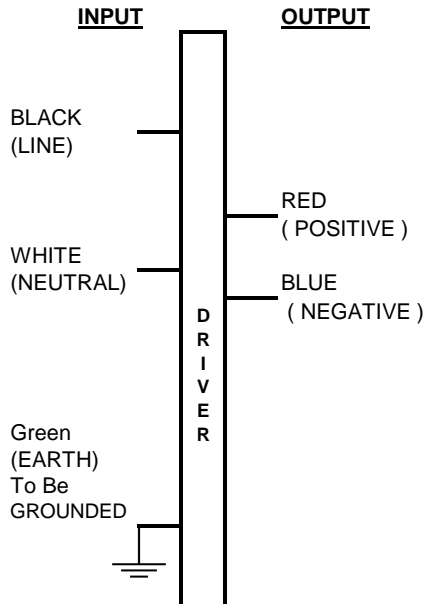


|                 |                              |
|-----------------|------------------------------|
| 9290 015 07014  |                              |
| Brand Name      | Xitanium                     |
| Description     | Xitanium 12W 0.7A 18V        |
| Input Voltage   | 220 - 240V                   |
| 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 |
|------------------|--------------------|--------------------|------------------------|--------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------------|-------------------------------|-------------|--------------------------|
| 12               | 12 - 18            | 0.7                | 240V                   | 75                 | 240V                 | 15                  | 240V                        | ≤ 10 @Max Load     | ≥ 0.95                  | 4 / 4                         | 0.1         | Dry & Damp               |
|                  |                    |                    | 85                     |                    | 0.065                |                     | 7/300                       |                    |                         |                               |             |                          |

### 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   |

|                 |                               |
|-----------------|-------------------------------|
|                 | 9290 015 07014                |
| Brand Name      | Xitanium                      |
| Description     | Xitanium 12W 0.7A 18V         |
| Input Voltage   | 220 - 240V                    |
| Input Frequency | 50 / 60 Hz                    |
| RoHS            | Yes                           |
| Approbations    | IS 15885 ( Part 2 / Sec 13 )  |
| Status          | <a href="#">BIS Certified</a> |

## PHILIPS

### XITANIUM™

12W 0.7A 18V

12W  
LED

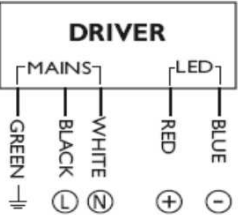
• tc  
75°C max

**Self Declaration - Conforming to IS 15885 (Part 2/Sec 13): 2012, R-85000434**

|                         |                             |
|-------------------------|-----------------------------|
| U <sub>n</sub> : 240V   | f <sub>n</sub> : 50Hz       |
| I <sub>n</sub> : 0.065A | P <sub>out</sub> : 12W      |
| P <sub>n</sub> : 15W    | U <sub>out</sub> : 18Vdc    |
| PF : ≥0.95              | I <sub>out</sub> : 0.7Adc   |
| THD : ≤10%              | t <sub>a</sub> : -10..+50°C |

9290 015 07014  
Dry & Damp location  
MADE IN INDIA

**DRIVER**



| Product Data                             |   |
|--|---|
| Full product code                        | 9290 015 07014  |
| Full product name                        | Xitanium 12W 0.7A 18V   |
| Net weight per piece                     | 100 gms   |
| Dimming                                  | None ( FIXED )  |
| Ambient Temp. Range                      | -10C to +50C  |
| Line Voltage ( AC Nominal)               | 220 - 240V +/-10%   |
| Line Voltage ( AC Performance Range)     | 140 - 270V  |
| Line Current                             | 0.065A @ 240V   |
| Line Frequency                           | 50 Hz   |
| Envir. Protection Rating                 | Dry and Damp  |
|  | Conformal coated Driver for protection from moisture & humidity |
|  | Suitable for Outdoor Application                                |
| Life at Tc 65 drgree C                   | 50000 hrs ( nom. )  |
| Ingress Protection                       | IP 20   |
| Tc - Max.                                | 75°C  |
| Tc - Life                                | 65°C  |
| Inrush Current                           | 7Apk @ 240V   |
| Max. Driver number on MCB 16A ( Type B ) | 24 ( max. )   |
| Input Over Voltage                       | Over Voltage 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                    | +/- 5%of Imax   |
| Earth Leakage Current                    | 0.7 mA Pk ( max)  |
| Output Current Ripple                    | 45% ( ripple = pk / avg. )                                      |
| THD Total                                | ≤ 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                            | ≤0.5W   |

|                 |                               |
|-----------------|-------------------------------|
|                 | 9290 015 07014                |
| Brand Name      | Xitanium                      |
| Description     | Xitanium 12W 0.7A 18V         |
| Input Voltage   | 220 - 240V                    |
| Input Frequency | 50 / 60 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 @  $T_c \leq 65^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is  $75^\circ\text{C}$  - 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 12W 0.7A 18V | 220 - 240       | 0.065 | 18                 | 0.7  | 12    |

### 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 12W 0.7A 18V | 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 12W 0.7A 18V | 220 - 240 , 50/60 | 0.7mA max.      |