

Xitanium/Fortimo LED Drivers Indoor

Xitanium 25W LH 0.3-1A 36V I 230V

The new Fortimo and Xitanium electronic LED drivers are specially designed to operate LED solutions for general lighting applications. There are Xitanium LED driver versions in 17W / 24V, 25W / 36V and 45W / 80V. There are fixed-output and dimmable (trailing edge and Touch & DALI) versions. The high output voltage (up to 80V) and adjustable output current (200 to 700mA) enable operation of many LEDs (high light output) and flexibility in LED fixture design. The output current can be set by placing a resistor on your LED PCB (Level 2 board). The new housing design incorporates three different mounting options: independent, screw and click mounting. The 25W and 45W versions also feature a 12V output to operate active cooling or decorative LED light effects. The Xitanium LED driver 45W/80V is available in fixed-output version in an independent housing.

Product data

• General Information

Number Of Products On MCB (16A Type B) (Max)	24
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• Operating and Electrical

Input Frequency	50 to 60 Hz
Total Harmonic Distortion IEC (Max)	20 %
12V Output	Yes
Output Current	20 %
Ripple (Max)	
Output Current	20 %
Ripple (Nom)	
Maximum Efficiency	87 %
Power Factor 100% Load (Min)	0.9
Power Factor 100% Load (Nom)	0.9
Output Current (Max)	1000 mA
Output Current (Nom)	650 mA
Output Current Tolerance (Max)	5 %

Output Current Tolerance (Min)	-5 %
Input Voltage (AC)	220-240 V
Earth Leakage Current (Max)	0.7 mA
Power Factor (Nom)	0.9
Open Circuit Voltage (DC) (Max)	45 V
Input Current (Nom)	200 mA
Input Voltage (DC)	186-250 V
Input Power (Nom)	25 W
Inrush Current Peak (Max)	8 A
Output Power (Max)	26 W
Output Power (Nom)	16.5 W
Output Voltage	18-36 V
Default output current	300-1000 mA
Inrush Current	180 μs
Width To 50% Of Peak	
Energy Metering	False
Constant Current (CC)	True
Constant Voltage (CV)	False

PHILIPS

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Diagnostics False

• Wiring

Connector Type Wago 250
 Input Terminals Hot Wiring Yes
 Connector Type JST BM07B-PASS-TFT Connector
 Output Terminals
 Output Wire Cross Section (Max) 0.33 mm²
 Output Wire Cross Section (Min) 0.08 mm²
 Cable Length From Device To Lamp 0.6 m
 Input wire strip length 8.5-9.5 mm
 Input Wire Cross Section (Max) 1.5 mm²
 Input Wire Cross Section (Min) 0.2 mm²

• Temperature

T-Ambient (Max) 65 °C
 T-Ambient (Min) -20 °C
 T-Storage (Max) 85 °C
 T-Storage (Min) -25 °C
 T-Case Lifetime (Nom) 75 °C
 T-Case Maximum (Max) 85 °C

• Controls and Dimming

Dimmable No
 Control Interface None
 Control Input Yes (Basic insulation)
 Protection

• Mechanical and Housing

Housing L190x46x32

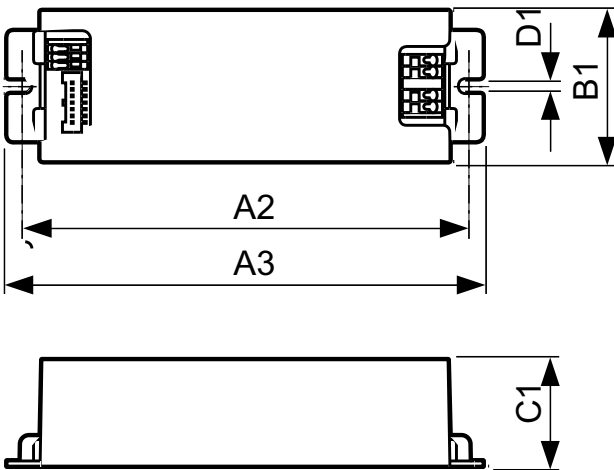
• Approval and Application

Surge Protection (Common/Differential) EN61547(L-L 1kV, L-G 2kV) kV
 Relative Humidity (Operation) (Max) 90 %
 Relative Humidity (Operation) (Min) 10 %
 IP Classification 20
 Isolation Class II
 Classification Short Circuit Protected
 Protection Over Power Protected
 Protection Open Circuit Protected
 Approval Marks CE marking
 SELV
 ENEC certificate
 Output Insulation Double or reinforced insulated
 Output Current Set Rset2
 Options

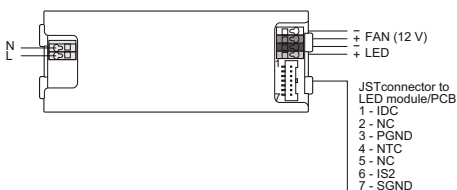
• Product Data

Full product code 871829166808400
 Order product name Xtitanium 25W LH 0.3-1A 36V I 230V
 EAN/UPC - Product 8718291668084
 Order code 66808400
 Numerator - 1
 Quantity Per Pack Numerator - Packs 10
 per outer box
 Material Nr. (12NC) 929000833703
 Net Weight (Piece) 0.188 kg

Dimensional drawing



Xtitanium 12, 17, 25 & 50 W



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Product	D1	A2	C1	A1	B1
Xtitanium 25W LH 0.3-1A 36V I 230V	4.2 mm	154.0 mm	32.0 mm	190.0 mm	46.0 mm



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data subject to change