



# Xitanium/Fortimo LED Drivers Indoor

## Xitanium 50W SH 0.3-1A 62V 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		Output Current Tolerance (Min)	
Number of Products on MCB (16A Type B) (Max)	26		-5 %
Operating and Electrical		Input Voltage (AC)	220-240 V
Input Frequency	50 to 60 Hz	Earth Leakage Current (Max)	0.7 mA
Total Harmonic Distortion IEC (Max)	20 %	Open Circuit Voltage (DC) (Max)	75 V
Output Current Ripple (Max)	20 %	Input Current (Nom)	270 mA
Output Current Ripple (Nom)	20 %	Input Voltage (DC)	186-250 V
Maximum Efficiency	90 %	Input Power (Nom)	50 W
Power Factor 100% Load (Min)	0.9	Inrush Current Peak (Max)	20 A
Output Current (Max)	1000 mA	Output Power (Max)	50 W
Output Current (Nom)	650 mA	Output Power (Nom)	32 W
Output Current Tolerance (Max)	5 %	Output Voltage	31-62 V
		Default output current	300-1000 mA
		Inrush Current Width to 50% of Peak	275 µs
		Energy Metering	False

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Constant Current (CC)	True
Constant Voltage (CV)	False
Diagnostics	False

## Wiring

Connector Type Input Terminals	Wago 804
Hot Wiring	Yes
Connector Type Output Terminals	JST PA with lock B07B-PASK-1 [ Regular Fortimo LED DLM cables (25 + 60 cm) with JST-connector]
Output Wire Cross Section (Max)	0.33 mm <sup>2</sup>
Output Wire Cross Section (Min)	0.08 mm <sup>2</sup>
Cable Length From Device to Lamp	0.6 m
Input wire strip length	10-11 mm
Output wire strip length	10-11 mm
Input Wire Cross Section (Max)	2.5 mm <sup>2</sup>
Input Wire Cross Section (Min)	0.5 mm <sup>2</sup>

## Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	85 °C
T-Storage (Min)	-25 °C
T-Case Lifetime (Nom)	65 °C
T-Case Maximum (Max)	75 °C
Maximum case temperature (in case of failure)	110 °C

## Controls and Dimming

Control Interface	None
Dimming Range	100-0 %

## Dimensional drawing

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<b>Mechanical and Housing</b>	
Housing	SH-I
Housing Dimensions	219 x 83 x 35

## 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 Classification	Class II
Short Circuit Protection	Protected
Over Power Protection	Protected
Open Circuit Protection	Protected
Approval Marks	CE marking SELV ENEC certificate
Output Insulation	Double or reinforced insulated
Corridor Mode	False
Output Current Set Options	Rset2

## Product Data

Full product code	871829167621800
Order product name	Xitanium 50W SH 0.3-1A 62V I 230V
EAN/UPC - Product	8718291676218
Order code	929000853703
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929000853703
Net Weight (Piece)	0.280 kg

Product	D1	A2	C1	A1	B1
Xitanium 50W SH 0.3-1A 62V I 230V	4.1 mm	206.0 mm	35.0 mm	219.0 mm	83 mm

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