

**PHILIPS**

Lighting



# Xitanium LED linear drivers – non-isolated

## Xitanium 100W 0.15–0.5A 300V iXt 230V

Xitanium linear non-isolated drivers are ideal for high voltage (HV) professional general lighting applications. The range includes DALI dimmable and programmable, 1–10V dimmable, non-dimmable and single current versions. They offer high efficiency, good quality of light and full flexibility. The new generation of 16mm DALI drivers offer ultimate performance. They comply with the latest DiiA standards, including implementation of the new DALI parts related to data. Configuring the drivers can be done quickly and wirelessly with SimpleSet. The new 21mm DALI drivers offer the best value for money.

### Product data

General Information		Power Factor (Fraction)		0.9
Nominal lifetime	100,000 hour(s)	Open Circuit Voltage (DC) (Max)	330 V	
Lighting Technology	LED	Protection Level Up (L-N) at 5 kA (Max)	2 kV	
Operating and Electrical		Protection Level Up (LN-Earth) at 5 kA (Max)	4 kV	
Line Frequency	50 to 60 Hz	Input Current (Nom)	460 mA	
Input Frequency	50 to 60 Hz	Input current (AC)	0.46 mA	
Mains voltage operation (DC)	168–275 V	Input current (DC)	0.46	
Total Harmonic Distortion IEC (Max)	20 %	Inrush Current Peak (Max)	9 A	
Power Consumption	100 W	Output Power (Max)	100 W	
Output Current Ripple (Max)	4 %	Output Power (Nom)	64 W	
Maximum Efficiency at Full Load	94.1 %	Default output current	150 mA	
Output Current (Max)	500 mA	Inrush Current Width to 50% of Peak	65 μs	
Output Current (Nom)	325 mA	Power Factor 100% Load (Max)	0.9	
Output Current Tolerance (Max)	5 %	Energy Metering	No	
Mains voltage performance (DC)	186–250 V	Constant Current (CC)	True	
Earth Leakage Current (Max)	0.5 mA	Constant Voltage (CV)	False	
		Diagnostics	True	

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Output Power (Min)	28 W
Output Current (Min)	150 mA
Output Voltage (Max)	300 V
Output Voltage (Min)	100 V
Number of Products on MCB (16A Type B) (Max)	18
Number of Products on MCB (16A Type-C) (Max)	26 piece/unit

### Wiring

Connector Type Input Terminals	Wago 744
Hot Wiring	no
Connector Type Output Terminals	Wago 744
Output Wire Cross Section (Max)	1.5 mm <sup>2</sup>
Output Wire Cross Section (Min)	0.5 mm <sup>2</sup>
Cable Length From Device to Lamp	2 m
Input Wire Gauge	16-20
Input wire strip length	8 mm to 9 mm mm
Input Wire Cross Section (Max)	1.5 mm <sup>2</sup>
Input Wire Cross Section (Min)	0.5 mm <sup>2</sup>
Output wire strip length	8 mm to 9 mm mm

### System characteristics

Central DC Operation	Yes
YellowDot ready	No

### Temperature

Ambient temperature range	-40 °C to 60 °C
T-Case Lifetime (Max)	75 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	90 °C
Module Temperature Protection	no
Maximum case temperature (in case of failure)	110 °C

### Controls and Dimming

Dimmable	No
Control Interface	None
D4i compliant	No

DynaDimmer	No
Constant light output	No

### Mechanical and Housing

Product Length	360 mm
Housing	Office 360x30x21 4p6p NFC
Overall length	360 mm
Overall width	30 mm
Overall height	21 mm
Dimensions (Height x Width x Depth)	21 x 30 x 360 mm

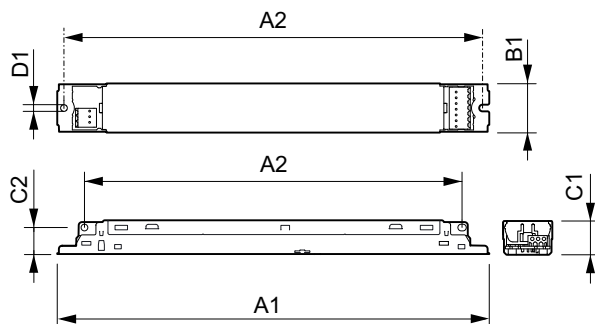
### Approval and Application

Ingress protection code	IP20 [Finger-protected]
Surge Protection (Common/Differential)	EN61547 (L-L 2kV, L-G 4kV) kV
Relative Humidity (Operation) (Max)	90 %
Isolation Classification	No
Short Circuit Protection	Protected
Over Power Protection	Protected
Open Circuit Protection	Protected
Approval Marks	CCC certificate CE marking ENEC certificate RCM compliance REACH compliance RoHS compliance
Corridor Mode	True
Output Current Set Options	LEDset, SimpleSet
Protection class IEC	Safety class I

### Product Data

Full product code	871869655591000
Order product name	Xtanium 100W 0.15-0.5A 300V iXt 230V
Order code	55591000
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	929001506606
Full product name	Xtanium 100W 0.15-0.5A 300V iXt 230V
EAN/UPC - Case	8718696555927

## Dimensional drawing



Product	A1	A2	B1	C1	D1
Xtanium 100W 0.15-0.5A 300V iXt 230V	360 mm	350 mm	30 mm	21 mm	4.1 mm

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