



Xitanium LED linear drivers – non-isolated

Xitanium 90W 0.15–0.5A 300V TD21 S 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			
Nominal lifetime	100,000 hour(s)	Protection Level Up (L-N) at 5 kA (Max)	1 kV
Lighting Technology	LED	Protection Level Up (LN-Earth) at 5 kA (Max)	2 kV
Operating and Electrical		Input current (AC)	0.44 mA
Line Frequency	50 to 60 Hz	Input current (DC)	0.52
Input Frequency	50 to 60 Hz	Inrush Current Peak (Max)	25 A
Mains voltage operation (DC)	168–275 V	Output Power (Max)	90 W
Total Harmonic Distortion IEC (Max)	20 %	Default output current	150 mA
Power Consumption	97 W	Inrush Current Width to 50% of Peak	230 µs
Output Current Ripple (Max)	4 %	Power Factor 100% Load (Max)	0.9
Maximum Efficiency at Full Load	93 %	Energy Metering	Yes
Output Current (Max)	500 mA	Constant Current (CC)	True
Output Current Tolerance (Max)	5 %	Constant Voltage (CV)	False
Mains voltage performance (DC)	186–250 V	Diagnostics	True
Power Factor (Fraction)	0.9	Output Power (Min)	25 W
Open Circuit Voltage (DC) (Max)	330 V	Output Current (Min)	150 mA

Xitanium LED linear drivers – non-isolated

Output Voltage (Max)	300 V
Output Voltage (Min)	100 V
Number of Products on MCB (16A Type-C) (Max)	20 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 ²
Output Wire Cross Section (Min)	0.5 mm ²
Cable Length From Device to Lamp	2 m
Input Wire Gauge	16-20
Input wire strip length	8 mm to 9 mm
Input Wire Cross Section (Max)	1.5 mm ²
Input Wire Cross Section (Min)	0.5 mm ²
Output wire strip length	8 mm to 9 mm

System characteristics

Central DC Operation	Yes
YellowDot ready	No

Temperature

Ambient temperature range	-25 °C to 50 °C
T-Case Lifetime (Max)	65 °C
T-Case Maximum (Max)	75 °C
Module Temperature Protection	no
Maximum case temperature (in case of failure)	110 °C

Controls and Dimming

Dimming Range	100-1 %
D4i compliant	No
Dimmable	Yes
DynaDimmer	No

Constant light output	Programmable
-----------------------	--------------

Mechanical and Housing

Product Length	280 mm
Overall length	280 mm
Overall width	30 mm
Overall height	21 mm
Dimensions (Height x Width x Depth)	21 x 30 x 280 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
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, Programmable, SimpleSet
Protection class IEC	Safety class I

Product Data

Order product name	Xitanium 90W 0.15-0.5A 300V TD21 S 230V
Full product name	Xitanium 90W 0.15-0.5A 300V TD21 S 230V
Full product code	871951427858500
Order code	929001694906
Material Nr. (12NC)	929001694906
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.180 kg
EAN/UPC - Product/Case	8719514278585
Numerator - Packs per outer box	24
EAN/UPC - Case	8719514278592

