

PHILIPS

Lighting



Xitanium LED linear drivers – isolated

Xitanium 36W 0.3-1.0A 54V TD 230V G2

Xitanium isolated drivers are ideal for professional low voltage (LV) linear office systems. The isolated drivers are available in DALI dimmable and programmable, 1-10V dimmable, fixed output and single current versions. They offer ease of design-in and make the approbation process simpler. The DALI drivers and new fixed output drivers feature SimpleSet technology, low output current ripple of 4% for high and low frequencies and low standby specifications. The low output current ripple ensures no interference with security-, cell phone- or web cameras and scanners.

Product data

General Information		Protection Level Up (LN-Earth) at 5 kA (Max)	
Nominal lifetime	100,000 hour(s)		2 kV
Lighting Technology	LED	Input current (AC)	0.19 mA
Operating and Electrical		Input current (DC)	0.22
Line Frequency	50 to 60 Hz	Inrush Current Peak (Max)	16.5 A
Input Frequency	50 to 60 Hz	Output Power (Max)	36 W
Mains voltage operation (DC)	168-275 V	Default output current	300 mA
Total Harmonic Distortion IEC (Max)	20 %	Inrush Current Width to 50% of Peak	180 µs
Power Consumption	41 W	Power Factor 100% Load (Max)	0.9
Output Current Ripple (Max)	4 %	Energy Metering	Yes
Maximum Efficiency at Full Load	88 %	Constant Current (CC)	True
Output Current (Max)	1000 mA	Constant Voltage (CV)	False
Output Current Tolerance (Max)	5 %	Diagnostics	True
Mains voltage performance (DC)	186-250 V	Output Power (Min)	10 W
Power Factor (Fraction)	0.9	Output Current (Min)	300 mA
Open Circuit Voltage (DC) (Max)	60 V	Output Voltage (Max)	54 V
Protection Level Up (L-N) at 5 kA (Max)	1 kV	Output Voltage (Min)	27 V

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Number of Products on MCB (16A Type-C) (Max)	42 piece/unit
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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	DALI
DynaDimmer	No
Constant light output	Programmable

Mechanical and Housing

Product Length	360 mm
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]
Isolation Classification	SELV
Short Circuit Protection	Protected
Over Power Protection	Protected
Open Circuit Protection	Protected
Approval Marks	CE marking ENEC certificate CCC certificate
Corridor Mode	True
Output Current Set Options	iSet,Programmable
Protection class IEC	Safety class I

Product Data

Order product name	Xitanium 36W 0.3-1.0A 54V TD 230V G2
Full product name	Xitanium 36W 0.3-1.0A 54V TD 230V G2
Full product code	871951428785300
Order code	929001696006
Material Nr. (12NC)	929001696006
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.260 kg
EAN/UPC - Product/Case	8719514287853
Numerator - Packs per outer box	24
EAN/UPC - Case	8719514287860

