

PHILIPS

Lighting



Xitanium LED linear drivers – isolated

Xitanium 36W 0.3-1A 54V TD 230V

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	
Nominal lifetime	50,000 hour(s)
Lighting Technology	LED
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Mains voltage operation (DC)	168-275 V
Total Harmonic Distortion IEC (Max)	20 %
Output Current Ripple (Max)	4 %
Maximum Efficiency at Full Load	87 %
Output Current (Max)	1000 mA
Output Current Tolerance (Max)	5 %
Mains voltage performance (DC)	186-250 V
Power Factor (Fraction)	0.9
Open Circuit Voltage (DC) (Max)	60 V
Protection Level Up (L-N) at 5 kA (Max)	1 kV
Protection Level Up (LN-Earth) at 5 kA (Max)	2 kV
Input current (AC)	0.2 mA
Input current (DC)	0.2
Inrush Current Peak (Max)	26 A
Output Power (Max)	36 W
Default output current	300 mA
Inrush Current Width to 50% of Peak	140 µs
Power Factor 100% Load (Max)	0.9
Energy Metering	Yes
Constant Current (CC)	True
Constant Voltage (CV)	False
Diagnostics	True
Output Power (Min)	10 W
Output Current (Min)	300 mA
Output Voltage (Max)	54 V
Output Voltage (Min)	27 V

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Number of Products on MCB (16A Type-C) (Max)	36 piece/unit
Protection class IEC	Safety class I

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

T-Case Lifetime (Max)	75 °C
T-Case Maximum (Max)	75 °C
Module Temperature Protection	no
Maximum case temperature (in case of failure)	110 °C

Controls and Dimming

Dimmable	DALI
Dimming Range	100-1 %
D4i compliant	No
DynaDimmer	No
Constant light output	Programmable

Mechanical and Housing

Product Length	360 mm
Housing	Office 360x30x21 7p6p 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
Ingress protection code	IP20 [Finger-protected]
Net Weight (Piece)	0.255 kg

Approval and Application

Isolation Classification	SELV
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
Ambient temperature range	-25 °C to 50 °C

Product Data

Order product name	Xtanium 36W 0.3-1A 54V TD 230V
Full product name	Xtanium 36W 0.3-1A 54V TD 230V
Full product code	871869655264300
Order code	929001503606
Material Nr. (12NC)	929001503606
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696552643
Numerator - Packs per outer box	24
EAN/UPC - Case	8718696552650

