

PHILIPS

Lighting



Xitanium LED linear drivers – isolated

Xitanium 75W 0.7-2.0A 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	
Nominal lifetime	100,000 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 %
Power Consumption	83 W
Output Current Ripple (Max)	4 %
Maximum Efficiency at Full Load	90 %
Output Current (Max)	2000 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)	0.38 mA
Input current (DC)	0.45
Inrush Current Peak (Max)	24 A
Output Power (Max)	75 W
Default output current	700 mA
Inrush Current Width to 50% of Peak	220 μs
Power Factor 100% Load (Max)	0.9
Energy Metering	Yes
Constant Current (CC)	True
Constant Voltage (CV)	False
Diagnostics	True
Output Power (Min)	21 W
Output Current (Min)	700 mA
Output Voltage (Max)	54 V
Output Voltage (Min)	27 V

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Number of Products on MCB (16A Type-C) (Max)	15 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	CCC certificate CE marking ENEC certificate RCM compliance REACH compliance RoHS compliance
Corridor Mode	True
Output Current Set Options	iSet, Programmable
Protection class IEC	Safety class I

Product Data

Order product name	Xtanium 75W 0.7-2.0A 54V TD 230V G2
Full product name	Xtanium 75W 0.7-2.0A 54V TD 230V G2
Full product code	871951428787700
Order code	929001696106
Material Nr. (12NC)	929001696106
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.270 kg
EAN/UPC - Product/Case	8719514287877
Numerator - Packs per outer box	24
EAN/UPC - Case	8719514287884

