

PHILIPS

Lighting



Xitanium LED linear drivers – non-isolated

Xitanium 75W 0.12-0.4A 215V TD 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)	
Nominal lifetime	50.000 hour(s)		0.9
Lighting Technology	LED	Open Circuit Voltage (DC) (Max)	275 V
Operating and Electrical		Protection Level Up (L-N) at 5 kA (Max)	1 kV
Line Frequency	50 to 60 Hz	Protection Level Up (LN-Earth) at 5 kA (Max)	2 kV
Input Frequency	50 to 60 Hz	Input Current (Nom)	370 mA
Mains voltage operation (DC)	168-275 V	Input current (AC)	0.37 mA
Total Harmonic Distortion IEC (Max)	20 %	Input current (DC)	0.45
Power Consumption	75 W	Inrush Current Peak (Max)	22 A
Output Current Ripple (Max)	4 %	Output Power (Max)	75 W
Maximum Efficiency at Full Load	93.1 %	Output Power (Nom)	48 W
Output Current (Max)	400 mA	Default output current	120 mA
Output Current (Nom)	260 mA	Inrush Current Width to 50% of Peak	275 μ s
Output Current Tolerance (Max)	5 %	Power Factor 100% Load (Max)	0.9
Mains voltage performance (DC)	186-250 V	Energy Metering	Yes
Earth Leakage Current (Max)	0.4 mA	Constant Current (CC)	True
		Constant Voltage (CV)	False

Xitanium LED linear drivers – non-isolated

Diagnostics	True
Output Power (Min)	21 W
Output Current (Min)	120 mA
Output Voltage (Max)	215 V
Output Voltage (Min)	100 V
Number of Products on MCB (16A Type B) (Max)	24
Number of Products on MCB (16A Type-C) (Max)	24 piece/unit
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	EN61547 (L-L 1kV, L-G 2kV) kV

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	4 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 Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C
Module Temperature Protection	yes
Maximum case temperature (in case of failure)	110 °C

Controls and Dimming

Dimmable	DALI
Control Interface	Touch and DALI Dimming

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

Mechanical and Housing

Product Length	360 mm
Housing	Office 360x30x22 744 7 7p SideM
Overall length	360 mm
Overall width	30 mm
Overall height	22 mm
Dimensions (Height x Width x Depth)	22 x 30 x 360 mm
Ingress protection code	IP20 [Finger-protected]
Net Weight (Piece)	0.250 kg

Approval and Application

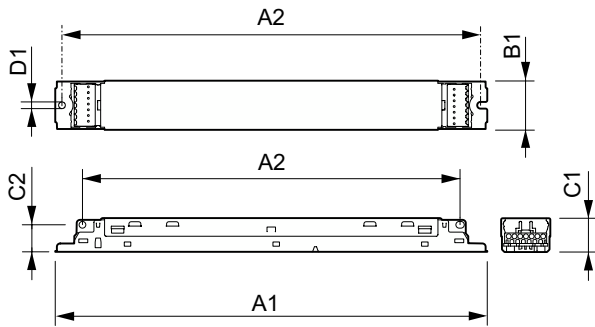
Relative Humidity (Operation) (Max)	90 %
Isolation Classification	No
Short Circuit Protection	Protected
Over Power Protection	Protected
Open Circuit Protection	Protected
Approval Marks	CCC certificate CE marking ENEC certificate RCM compliance REACH compliance RoHS compliance
Corridor Mode	True
Output Current Set Options	Programmable,Rset2
Ambient temperature range	-20 °C to 50 °C

Product Data

Order product name	Xitanium 75W 0.12-0.4A 215V TD 230V
Full product name	Xitanium 75W 0.12-0.4A 215V TD 230V
Full product code	871829168402200
Order code	929000852103
Material Nr. (12NC)	929000852103
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291684022
Numerator - Packs per outer box	12
EAN/UPC - Case	8718291684039

Xtanium LED linear drivers – non-isolated

Dimensional drawing



Product	A1	B1	C1	D1	A2
Xtanium 75W 0.12-0.4A 215V TD 230V	360 mm	30 mm	22 mm	4.1 mm	350 mm

