

PHILIPS

Xitanium

LED driver



Datasheet

Xitanium LED drivers – outdoor programmable

Xitanium 27W 1.0A Prog 230V-J sXt

No description available.

Electrical input data

Specification item	Value	Unit	Condition
Input voltage	230	V _{ac}	

Electrical output data

Specification item	Value	Unit	Condition
Output current	0	A	Full output current setting
Output current tolerance	±	%	

Electrical data controls input

Specification item	Value	Unit	Condition
Control method	Fixed		

Logistical data

Specification item	Value
Product name	Xitanium 27W 1.0A Prog 230V-J sXt
Order code	
Logistic code 12NC	9290 007 12303
EAN3	
Pieces per box	

Wiring & Connections

Specification item	Value	Unit	Condition
Maximum cable length		mm	Total length of wiring including LED module, one way

Operational temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	?	°C	
T _{case-max}		°C	Maximum temperature measured at T _c -point
T _{case-life}		°C	Measured at T _c -point
Maximum housing temperature		°C	In case of a failure
Relative humidity	?	%	Non-condensing

Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	?	°C	
Relative humidity	?	%	Non-condensing

Lifetime

Specification item	Value	Unit	Condition
Driver lifetime	0	hours	Measured temperature at T_c -point is T_{case} -life. Maximum failures = 10%

Programmable features

Specification item	Value	Remark	Condition
Set output current (AOC)	No	See Design-in guide.	Default output current: ≤ 700 mA
LED module temperature derating (MTP)	No		
Constant Lumen Over Lifetime (CLO)	No		
DC emergency dimming (DCemDIM)	No		
Corridor mode	No		
Energy metering	Yes		
Diagnostics	No		

Features

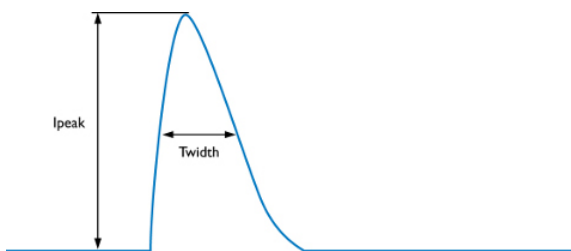
Specification item	Value	Remark	Condition
Open load protection			
Short circuit protection			Automatic recovering
Over power protection	No		Automatic recovering
Hot wiring	No		
Suitable for fixtures with protection class			per IEC60598

Certificates and standards

Specification item	Value
Approval marks	
Ingress Protection classification	

Inrush current

Specification item	Value	Unit	Condition
Inrush current I_{peak}		A	Input voltage 230V
Inrush current T_{width}		μs	Input voltage 230V, measured at 50% I_{peak}
Drivers / MCB 16A type B	?	pcs	



MCB	Rating	Relative number of LED drivers
B	10A	63%
B	13A	81%
B	16A	100% (stated in datasheet)
B	20A	125%
B	25A	156%
C	10A	104%
C	13A	135%
C	16A	170%
C	20A	208%
C	25A	260%

Driver touch current

Specification item	Value	Unit	Condition
Typical touch current		mA peak	Acc. IEC61347-1. LED module contribution not included

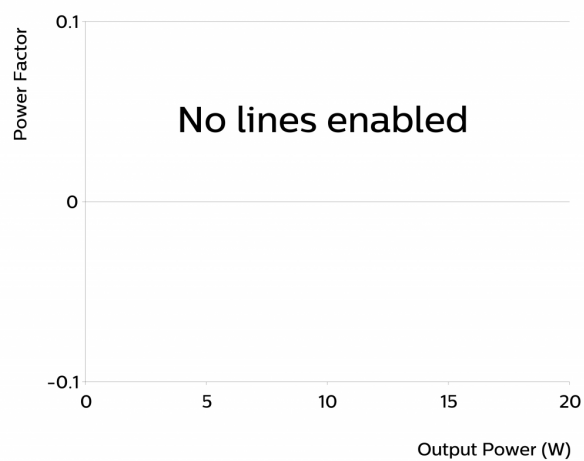
Surge immunity

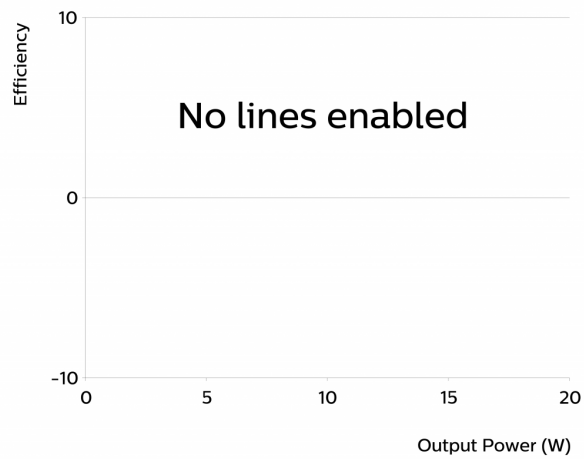
Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)		kV	Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us
Mains surge immunity (comm. mode)		kV	Acc. IEC61000-4-5. 12 Ohm, 1.2/50us, 8/20us

Graphs

Operating window

Power factor versus output power





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