

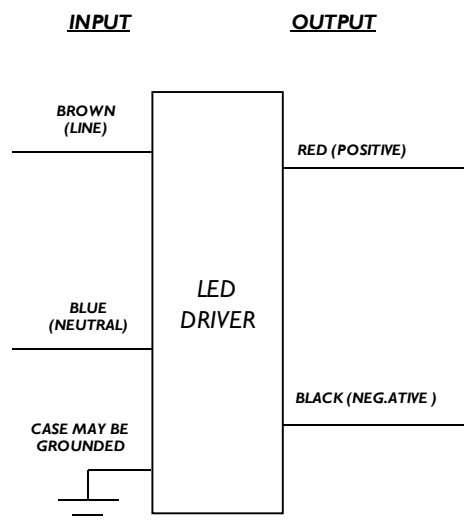
9137 108 50002M

Brand Name	XITANIUM
Description	Xitanium 150W .35A sXt
Input Voltage	220~240
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Electrical Specifications

Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency@ Max Load	Tcase Max	Input Current at 240V (A)	Max. Input Power (W)	Inrush Current (A _{pk} /50%- μ s)	Max. THD (%)	Power Factor @ Max Load	Surge Protection Common/D iff (KV)	Weight (Lbs)	IP Rating
150	120~425	0.35	>92%	80°C	0.69	165	130/165	20	>0.98	3/3	2.8/1270	IP66

Wire Diagram



Input and output use lead- wires.
Lead-wires are 18AWG 105C/600V solid copper.

Standard Lead Length is 280mm+/-10mm on all wires outside the can

Enclosure



	in. (mm)
Case Length	8.38 (211.1)
Case Width	2.35 (59.1)
Case Height	1.47 (37.1)
Mounting Length	9.0 (226.2)
Mounting Width	1.7 (42.9)
Overall Length	9.54 (240.5)



Revised 12/14/2010

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10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
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Electrical Specifications

Product Data

Order code	Add M to the end of the below numbers
Full product code	913710850002M 150W .35A 425V
Full product name	LED Xitanium EU 220-240V 150W .35A 425V
Net weight per piece	1.27 KG / 2.8 lbs
Ambient Temp Range	-40C to +55C
Corresponding TC	-15C to +80C
Line Voltage	220-240V
Line Current	0.69A
Line Frequency	50/60Hz
IP Classification	66
Life @ Tcase 67C	80000 hr [nom] refer to graph below
Life @ Tcase 75C	50000 hr [nom] refer to graph below
Suitable for Outdoor use?	Yes
Max TC	80C
Inrush current Width	130 A @ 230V Line @ 165uS Width @50% height, see graph
Maximum ballast number on MCB 16A	TBD [max]
LED Current Tolerance	-5%/+5%
Earth leakage current	0.7 mA [max]
Mains voltage safety (AC)	-27%/+10%
Mains voltage performance (AC)	-10%/+10%
Min. Mains voltage operational	180 V [min]
Output peak voltage	300 V [max]
Output Current ripple	25% @700 mA (ripple = pk-pk/avg)
THD total	< 20%
THD 3 rd Harmonic	< 15%
PF @ Max Load	>0.95
Wire Isolation	All wires are Double isolated

Installation & Application Notes:

Section I – Physical Characteristics

- 1.1 LED Driver shall be installed inside an electrical enclosure
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher.

Section II – Performance

- 2.1 LED Driver has an operating ambient temperature range of -40°C to 55°C.
- 2.2 LED Driver has a maximum life expectancy of 50,000 hours at Tcase of $\leq 75^{\circ}\text{C}$.
- 2.3 LED Driver has a maximum life expectancy of 100,000 hours at Tcase of $\leq 63^{\circ}\text{C}$.
- 2.4 LED Driver has a maximum self rise of 25°C in open air without heat sink.
- 2.5 LED Driver maximum allowable case temperature is 80°C – see product label for measurement location
- 2.6 LED Driver reduces output power to LEDs if its case temperature exceeds 80°C.
- 2.7 LED Driver has a failure rate $\leq 0.01\%$ per 1,000 hours at Tcase $\leq 70^{\circ}\text{C}$.
- 2.8 LED Driver has a failure rate of 0.01% - 0.02% per 1,000 hours at Tcase of 70°C - 80°C.
- 2.9 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.10 LED Driver complies with the requirements of CE, ENEC and CISPR 15 Ed 7.2.

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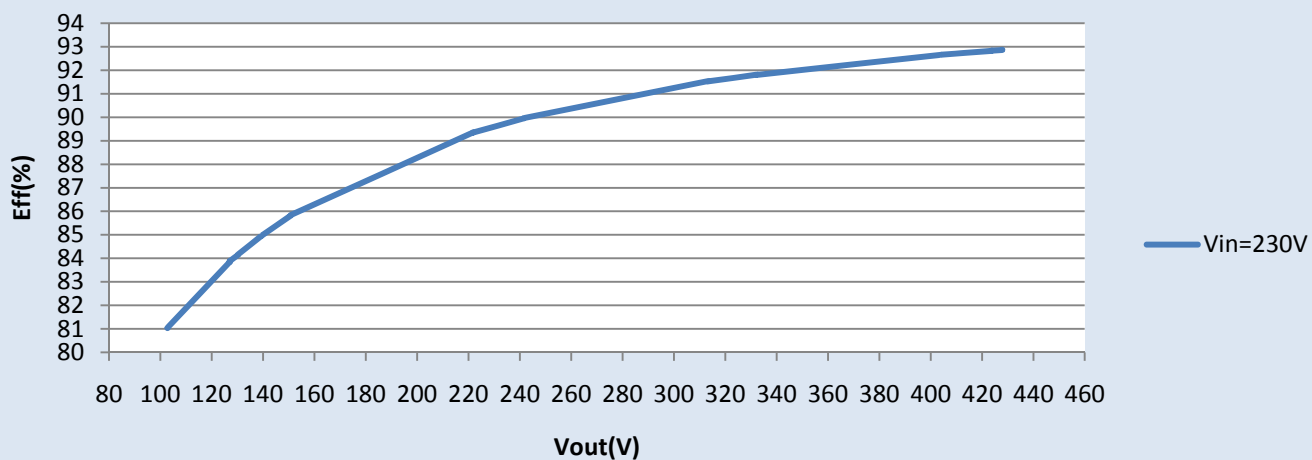
Input Frequency 50/60Hz

RoHS Yes

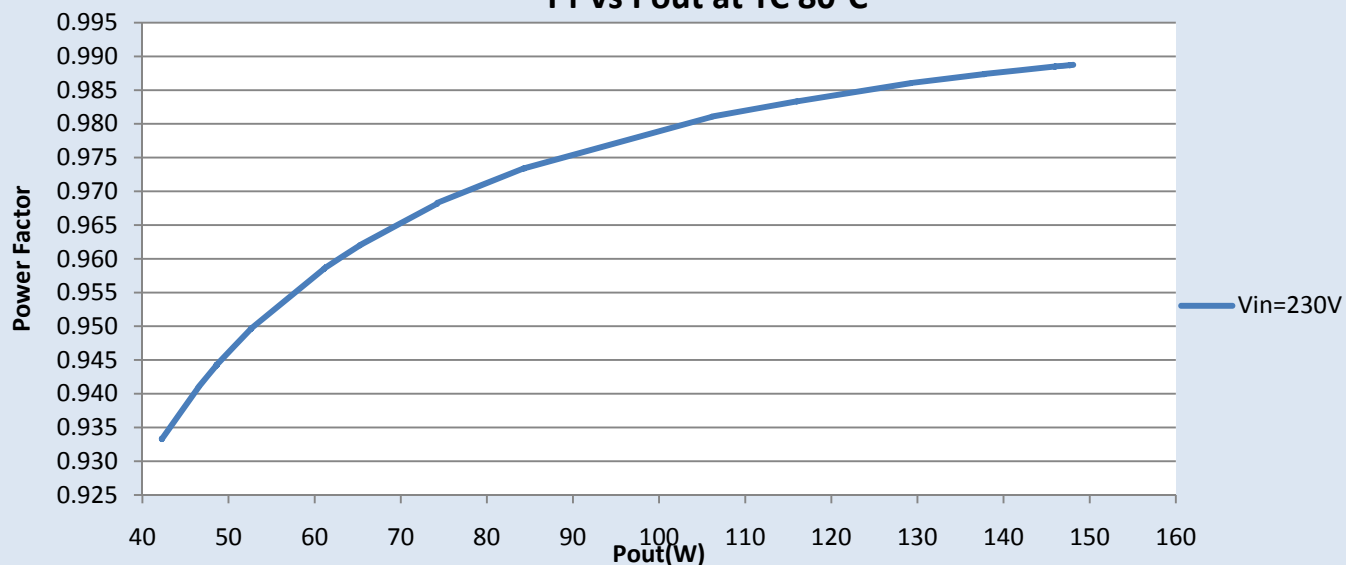
Status Active

Electrical Specifications

Eff Vs Vout at 80C case



Pf Vs Pout at TC 80°C



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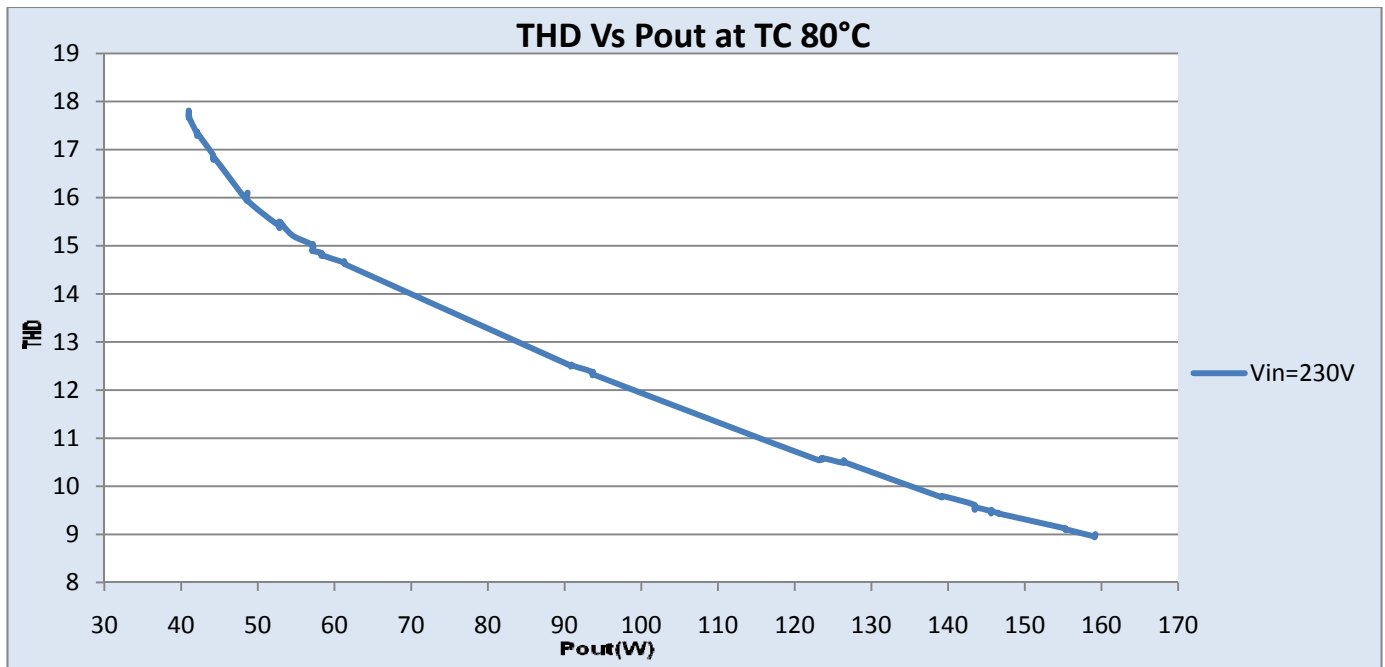
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Electrical Specifications



Iout VS TC of Driver:

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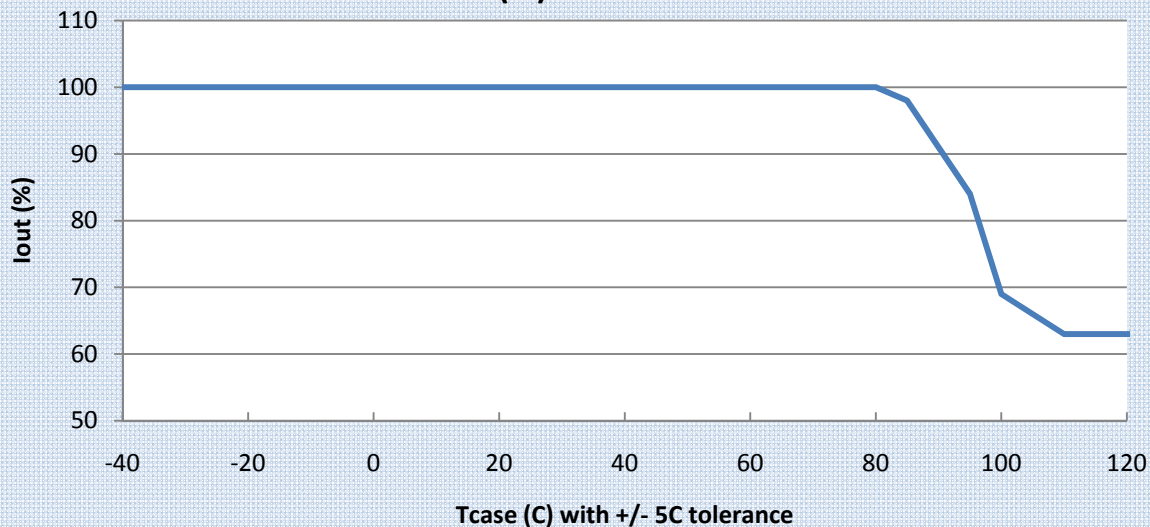
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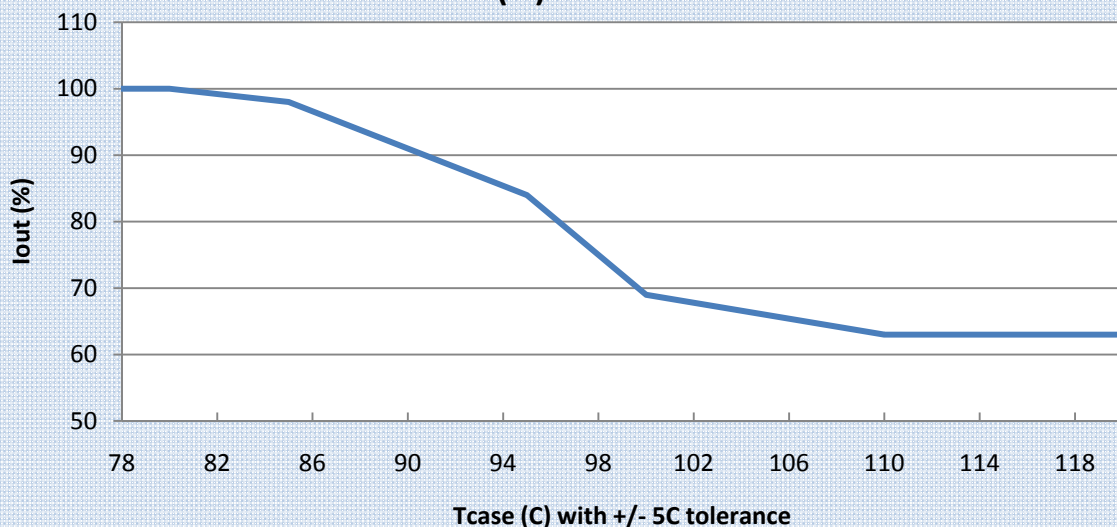
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Electrical Specifications

Iout (%) VS Tcase



Iout (%) VS Tcase



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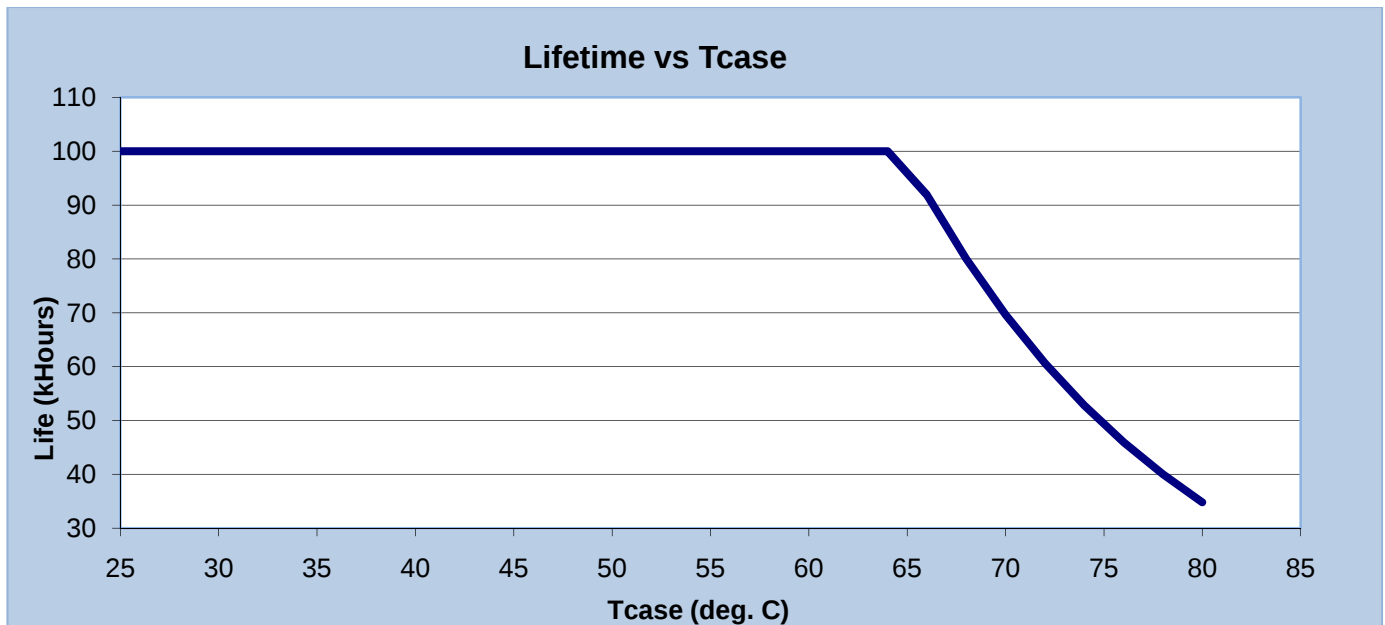
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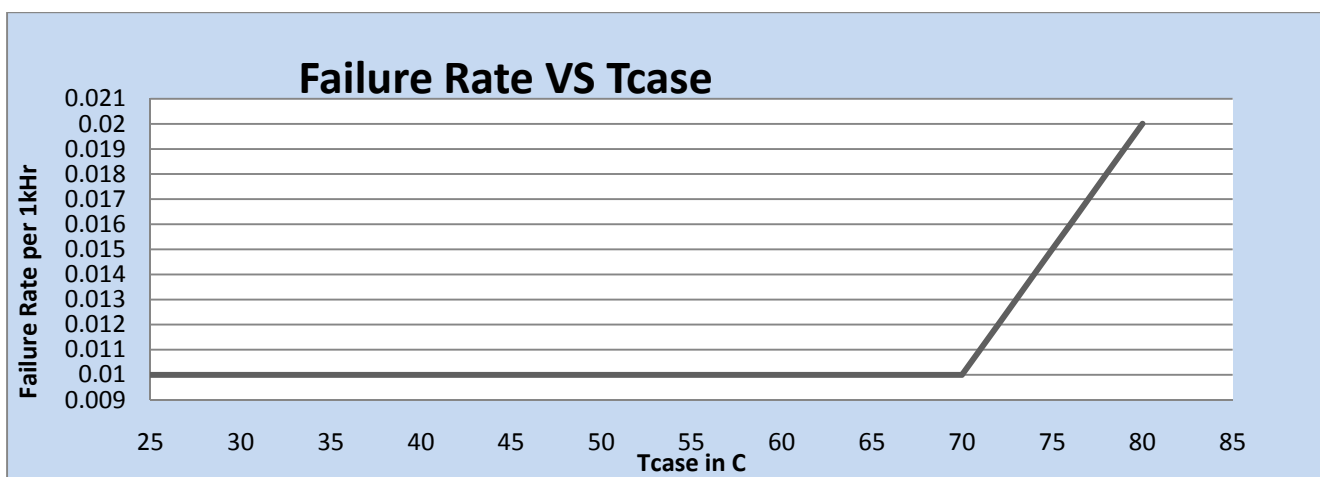
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Failure Rate Info:

1. <0.01% per 1kHr @ ≤ Tcase 70C
2. <0.02% per 1kHr @ Tcase between 70C and 80C.



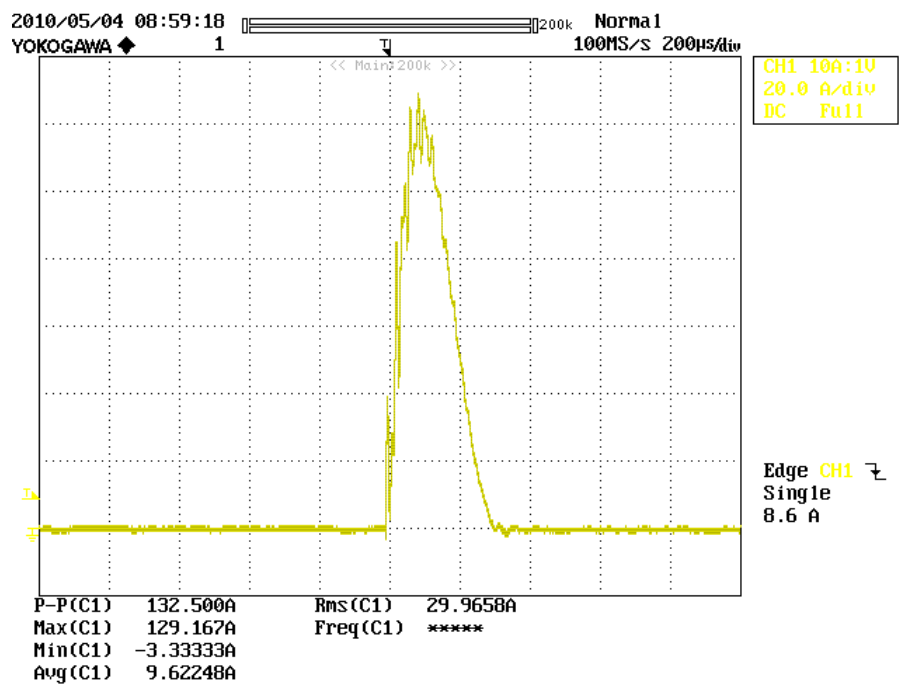
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Inrush Current Info:



Ipeak	130 A
50% Width	165µS

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