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ADVANCE

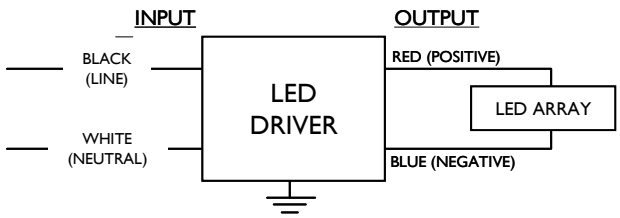
LEDINTA0700C210FO	
Brand Name	XITANIUM
Description	150W 700mA 210V
Input Voltage*	120~277VAC (+/-10%)
Input Frequency	50/60Hz
RoHS	Yes
Approbations	UL,CSA
Status	Active

Electrical Specifications

Output Power (W)	Output Voltage (V)	Output Current (A)	Tcase Max	Input Current	Max. Input Power (W)	Inrush Current (A_{pk}/µs)	Max. THD (%)	Min. Power Factor	Surge Protection (KV)	Weight (Lbs)	Envir. Protection Rating
150	60~210	0.70	80°C	1.4A@120VAC 0.6A@277VAC 0.67A@250VDC	165	278/400	20	0.90	2.5	2.8/1270	UL Dry & Damp

*Driver is also approved for 250Vdc operation. Please, refer to COA for further info.

Wiring Diagram



Input & Output use18AWG 105C/600V solid copper lead wires

Standard Lead Length

	in.	cm.
Black	8	20
White	8	20
Blue	10	25
Red	10	25
Gray		
Violet		

Maximum Wiring Distance (at full load)

Wire Size (AWG)	Distance (feet)
26	8
24	13
22	21
20	34
18	54
16	85
14	137
12	210
10	357

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)

c UL us — E321253

SP C US — 7310_S-000
3426-32

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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 complies with UL standard UL1012.

2.2 LED Driver has Class A sound rating.

2.3 LED Driver has a minimum operating ambient temperature of -40°C.

2.4 LED Driver has a life expectancy of 50,000 hours at Tcase of ≤ 75°C.

2.5 LED Driver has a life expectancy of 100,000 hours at Tcase of ≤ 65°C.

2.6 LED Driver has a typical self rise of 25°C at maximum load in open air without heat sink.

2.7 LED Driver is certified by UL for use in a dry or damp location (Outdoor Type I).

2.8 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.

2.9 LED Driver maximum allowable case temperature is 80°C – see product label for measurement location.

2.10 LED Driver reduces output power to LEDs if maximum allowable case temperature is exceeded.

2.11 LED Driver has a failure rate of ≤ 0.01% per 1,000 hours at Tcase ≤ 70°C.

2.12 LED Driver complies with the requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR Part 15 Non-Consumer (Class A).

Section III – UL Conditions of Acceptability (File E321253)

When installed in the end-use equipment, the following are among the considerations to be made:

3.1 The equipment shall be installed in compliance with the enclosure, enclosure, mounting, spacing, casualty and the segregation requirements of the ultimate application.

3.2 Consideration should be given to measuring the temperatures on electronic components of power circuits and transformer windings when the unit is installed in the end-use equipment based upon mounting orientation, operating ambient and ventilation. Magnetic components L2, T3, L5 and T2 employ Class 130(B) insulation.

3.3 These drivers should be used within the recognized ratings.

3.4 The driver is suitable for use in "DAMP" and "DRY" locations.

3.5 The maximum available output parameters from the (0-10 V) dimming circuit provided on LED driver models LED-INTA-0350C-425-DO, LED-INTA-0530C-280-DO, and LEDINTA0700C210DO were tested in accordance with supplement (SB) of UL935 and was found permissible for connection via Class 2 wiring.

3.6 When the drivers are installed in the end-use application, the case temperature should not exceed the temperature limits specified in the following table:

Model No.	Input Voltage, Hz	Max. Case @ Tc, °C
LED-INTA-0700C-210-DN, LED-INTA-700C-210-A54	120, 60 (Horizontal)	80
LED-INTA-0700C-210-DN, LED-INTA-700C-210-A54	277, 60 (Horizontal)	80
LED-INTA-0350C-425-DO, LED-INTA-0350C-425-FO	120, 60 (Horizontal)	80
LED-INTA-0350C-425-DO, LEDINTA0350C425FO	277, 60 (Horizontal)	80
LED-INTA-0530C-280-DO	120-277, 60 (Horizontal)	80
LEDINTA0400C280FO	120-277, 60 (Horizontal)	80
*LEDINTA0700C210DO LEDINTA0700C210FO	120-277, 60 (Horizontal)	**90**
*LEDINTA0700C210DO LEDINTA0700C210FO	250 Vdc (Horizontal)	**90**

3.7 The maximum measured leakage current was 0.210 MIU while was connected to a 120 V branch source and 0.56 MIU while connected to a 277 V source of supply

3.8 For 250 Vdc application driver must be additionally provided with an external DC fuse in the end-use application. Fuse must be Listed, CSA certified, manufactured LittelFuse, designated CCMR, rated 250 Vdc, 10A maximum. Fuse to be wired into to the Hot lead of the driver. The method of adding the external fuse and fuse holder to be evaluated in the end-use application.

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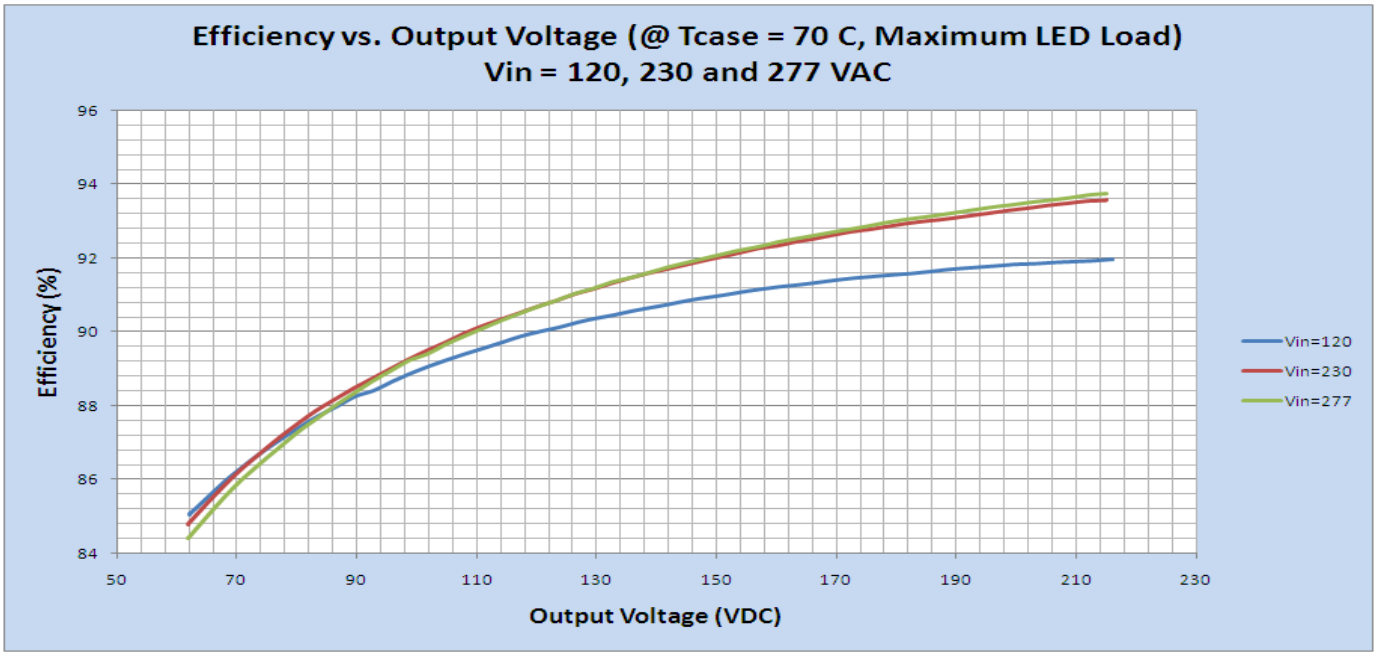

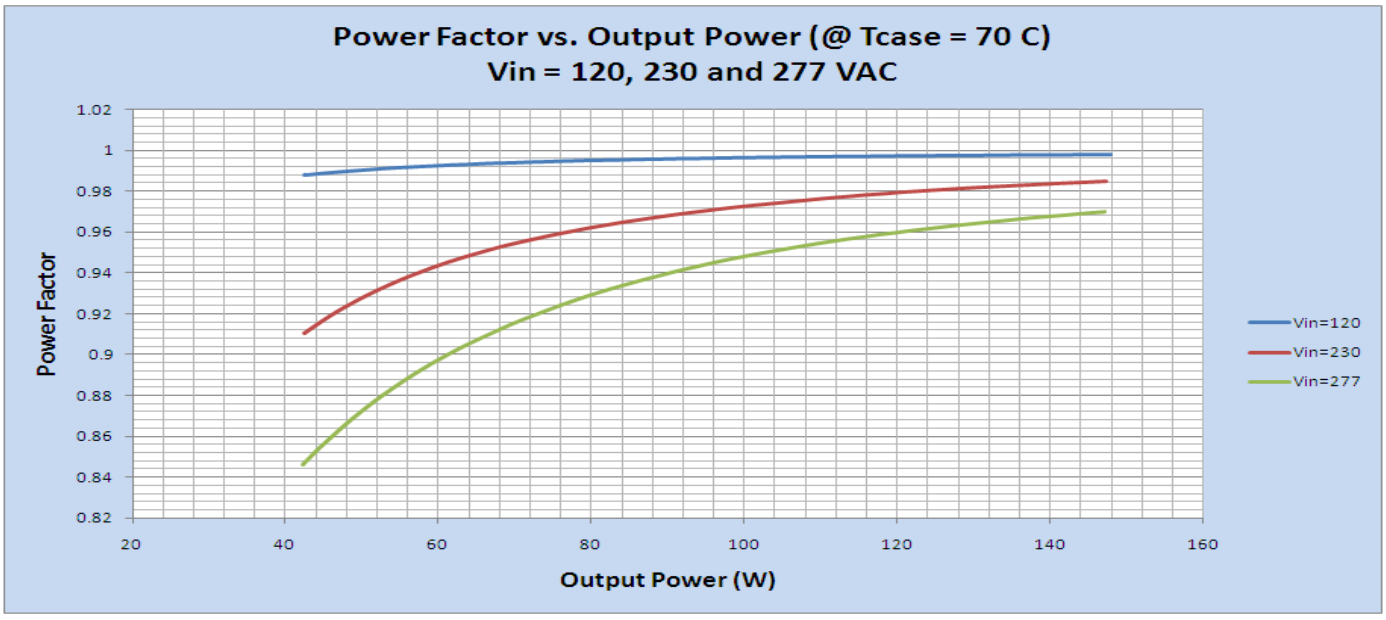

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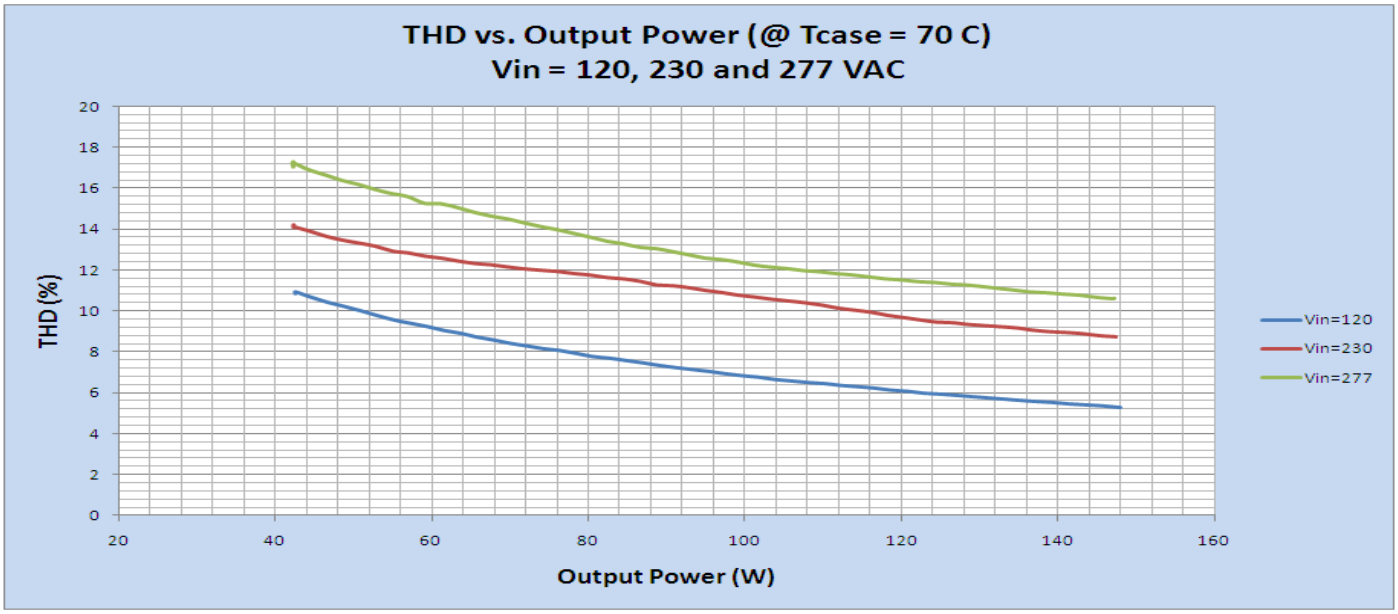

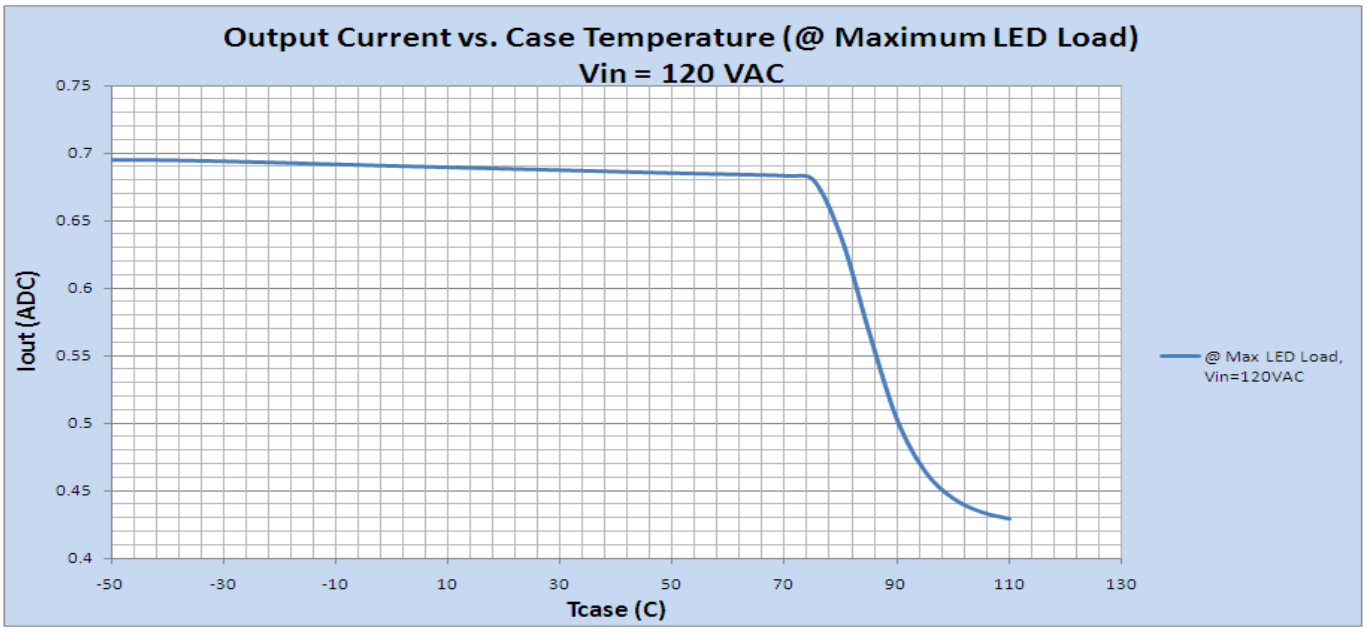

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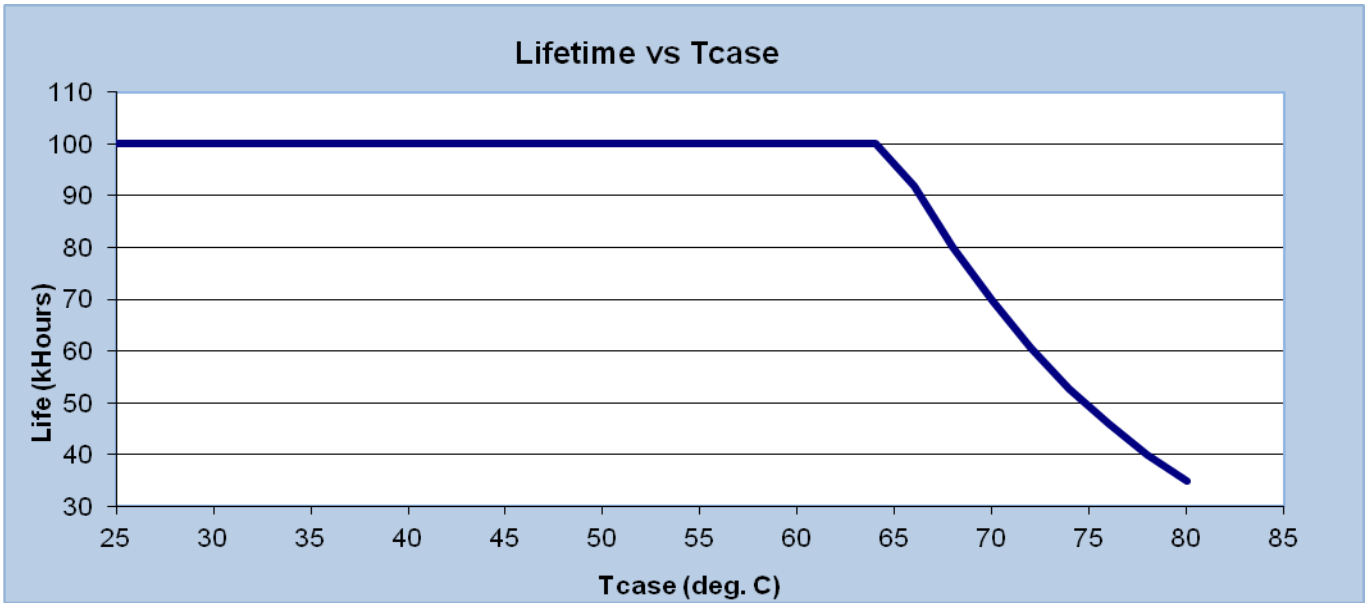

Failure Rate Info:

1. **<0.01% per 1 kHr @<= Tcase 65°C**

Revision History:

Rev No.	Date	Description	Approval	Remarks
1.1	11/17/2011	*Remove graph "Failure rate vs. Tcase	N.T.	
2.1	01/13/2012	* Add Envir. Protection Rating	N.T.	
3.1	02/06/2012	*Update Standard Lead Length (Blue & Red)	M.A.	
4.1	04/09/2012	*Add Installation & Application Notes: Section II – 2.4: Max Switching Cycles	N.T.	
5.1	04/18/2012	* Add Approbations: UL,CSA	N.T.	
6.1	07/09/2012	* Remove Installation & Application Notes: Section II – 2.4: Max Switching Cycles	N.T.	
7.1	07/16/2012	*Update COA	N.T.	
8.1	07/16/2012	*Update the datasheet with DC operation	S.B.	

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