

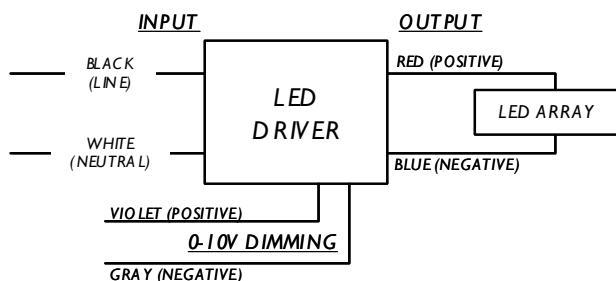
LEDINTA0530C280DO

Brand Name	XITANIUM
Description	150W 0.53A Isolated Dim
Input Voltage	120~277V (+/-10%)
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Electrical Specifications

Output Power (W)	Output Voltage (V)	Output Current (A)	Tcase Max	Input Current (A)	Max. Input Power (W)	Inrush Current (A _{pk} /μs)	Max. THD (%)	Min. Power Factor	Surge Protection (KV)	Weight (Lbs)	IP Rating
150	120~280	0.53	80°C	1.4@120V 0.6@277V	165	185/200	20	0.90	3.0	2.8/1270	IP66

Wiring Diagram



Input, output and 0-10V Dimming use lead-wires. Lead-wires are 18AWG 105C/600V solid copper.

Standard Lead Length

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

Maximum Wiring Distance (at full load)

Wire Size (AWG)	Distance (feet)
26	10
24	18
22	28
20	46
18	72
16	114
14	184
12	280
10	476

Dimming Method	Dimming Range (%)	Min. Output Power (W)
0-10V	100% ~ 10%	64.0

Enclosure



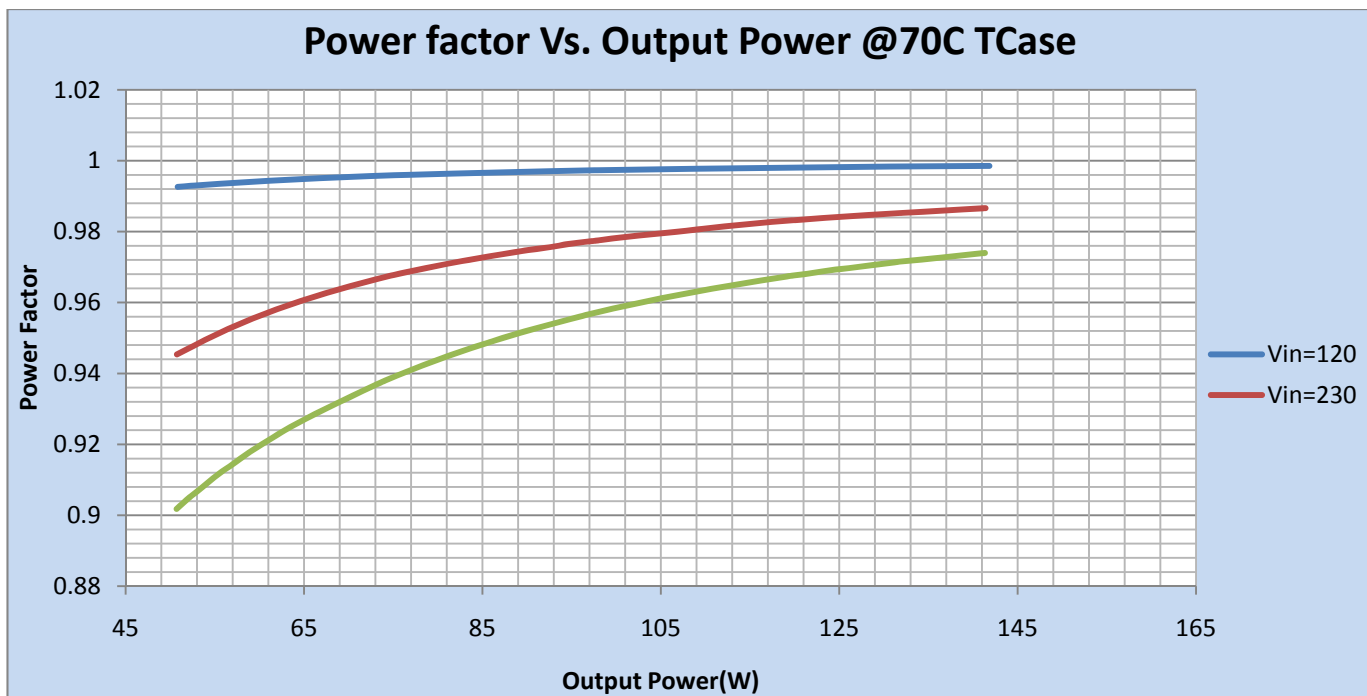
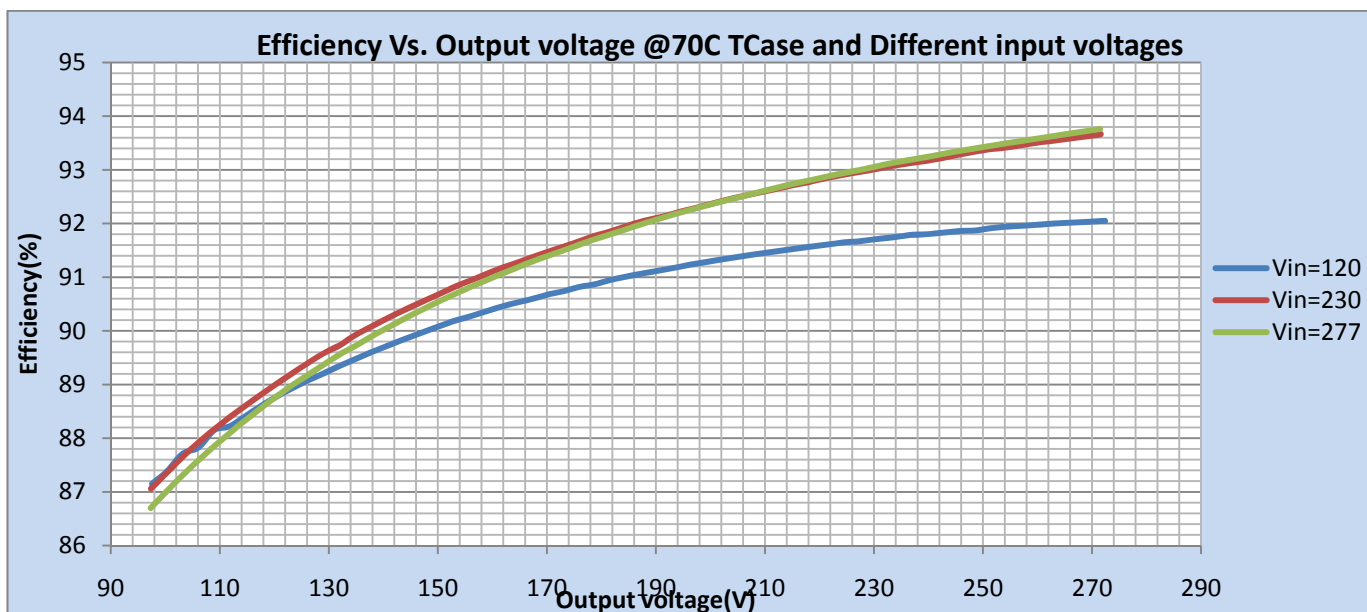
	in. (mm)
Case Length	8.38 (211.1)
Case Width	2.35 (59.1)
Case Height	1.47 (37.1)
Mounting Length	9.0 (226.2)
Mounting Width	1.7 (42.9)
Overall Length	9.54 (240.5)



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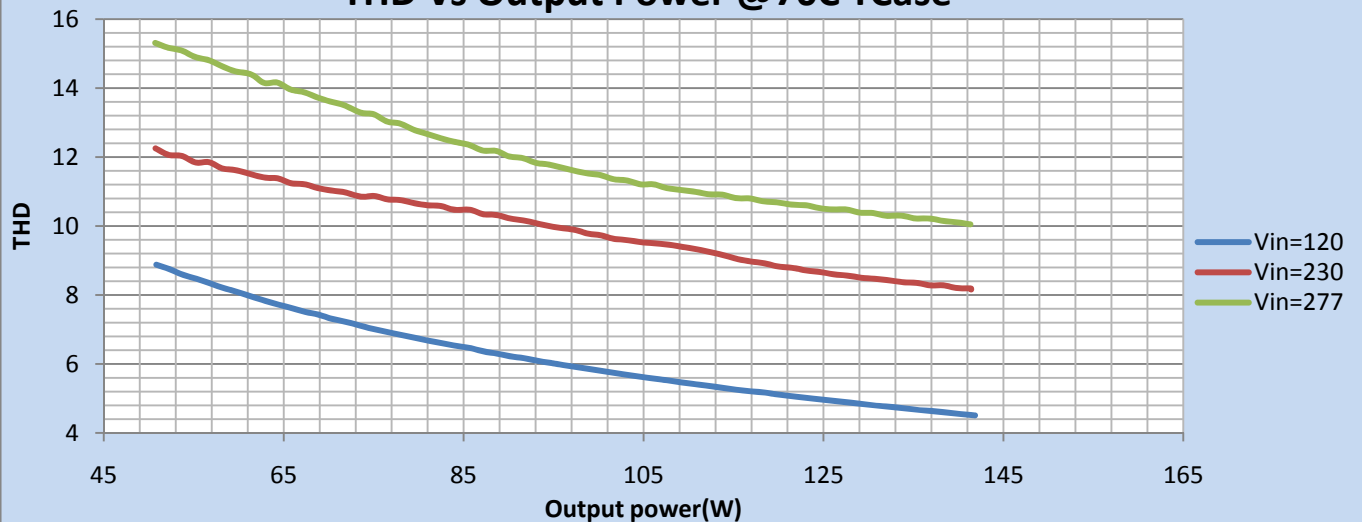
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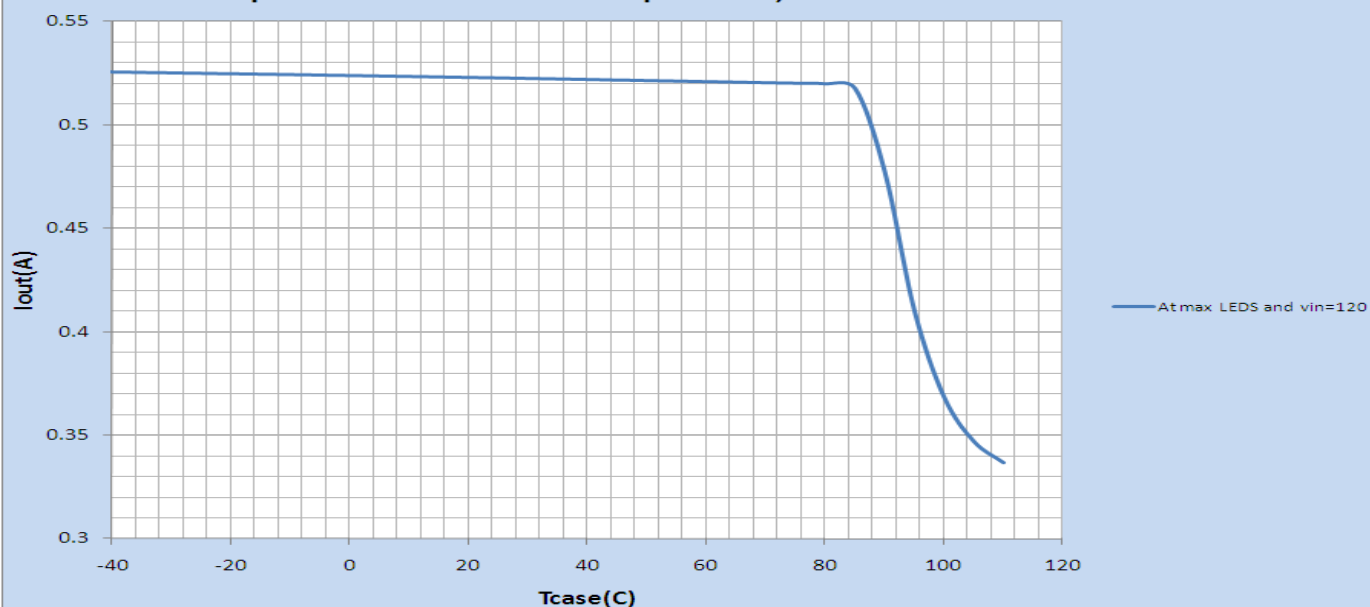
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THD Vs Output Power @70C TCase



Output current with case temperature, max LED load and vin=120



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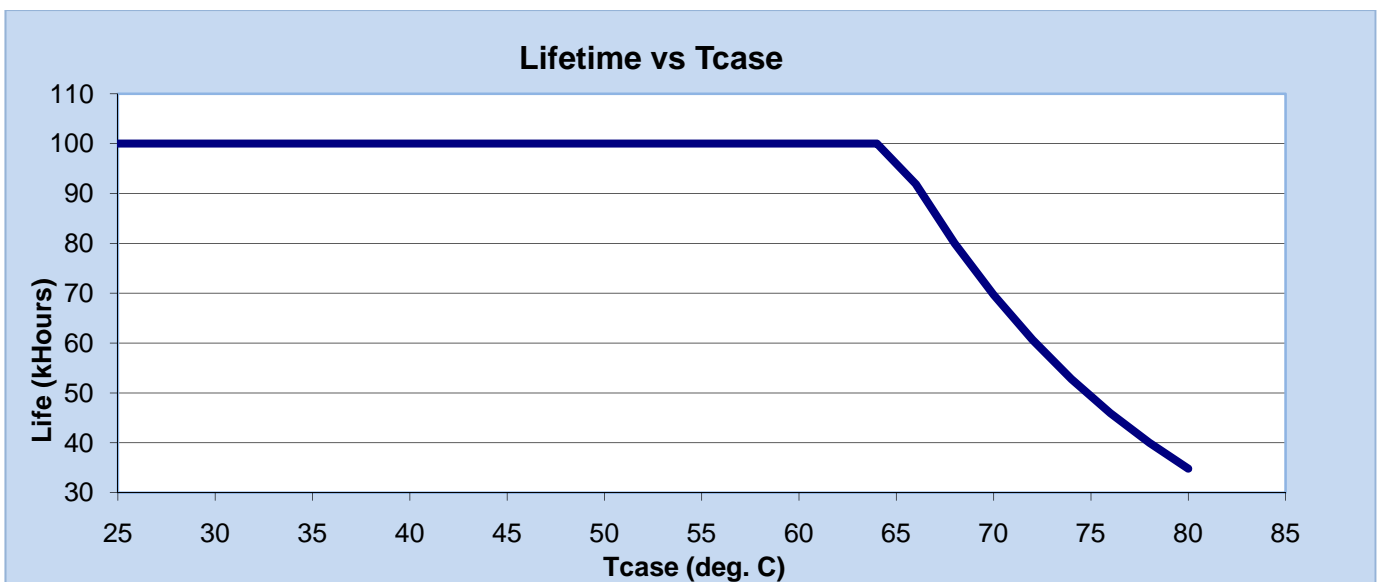
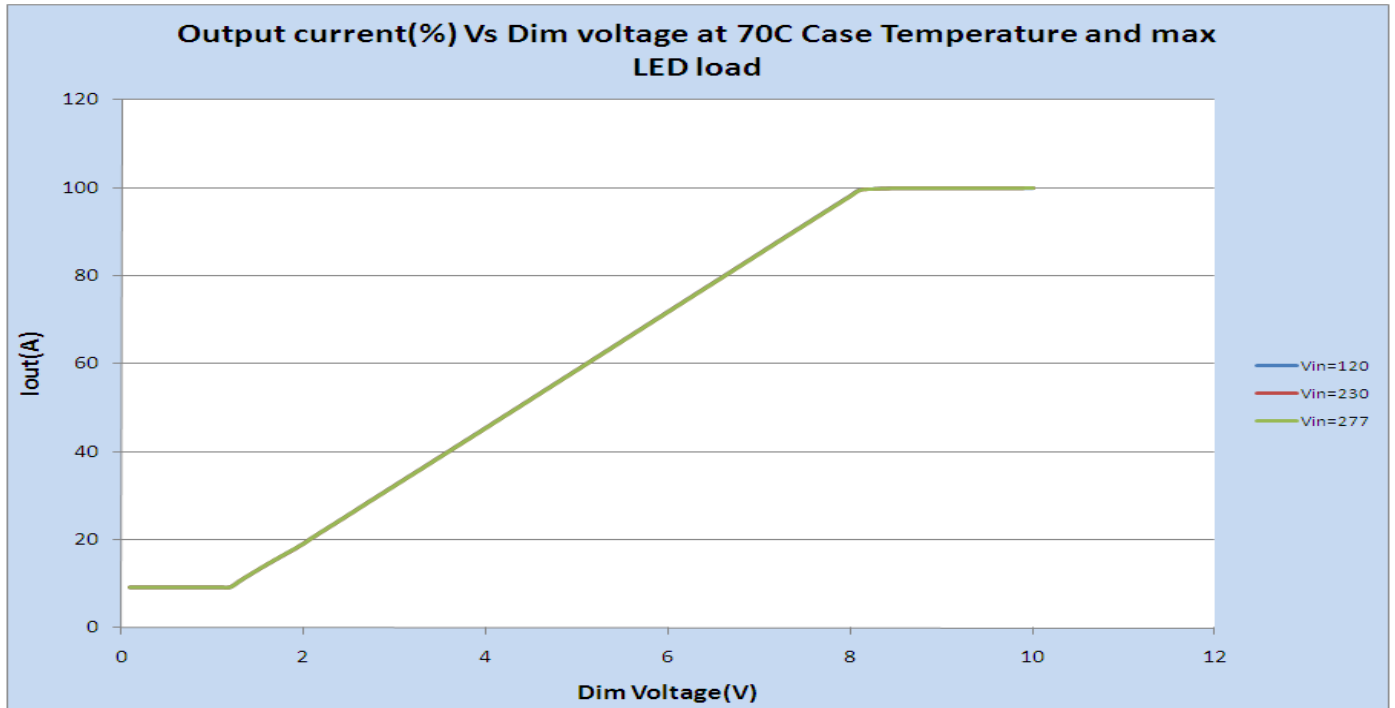
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Failure Rate Info:

1. <0.01% per 1kHr @<= Tcase 70C

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, mounting, spacing, casualty and 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 (0-10V) dimming circuit provided on LED driver model LEDINTA0530C280DO 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-0530C-280-DO	120-277, 60 Horizontal	80

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