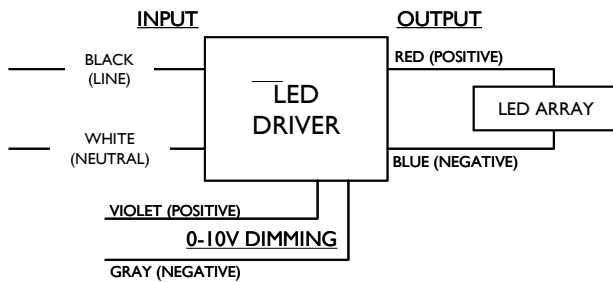


| LEDINTA0530C280DO | |
|--------------------------|-------------------------|
| Brand Name | XITANIUM |
| Description | 150W 0.53A Isolated Dim |
| Input Voltage | 120~277V (+/-10%) |
| Input Frequency | 50/60Hz |
| RoHS | Yes |
| Approbations | UL, CSA |
| Status | Active |

Electrical Specifications

| Output Power (W) | Output Voltage (V) | Output Current (A) | Tcase Max | Input Current (A) | Max. Input Power (W) | Inrush Current (A _{pk} /μs) | Max. THD (%) | Min. Power Factor | Surge Protection (KV) | Weight (Lbs) | Envir. Protection 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 | UL Dry & Damp |

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 (%) |
|----------------|-------------------|
| 0-10V | 100% ~ 10% |

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 04/18/2012

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Electrical Specifications

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 400 maximum switching cycle between -40°C to -20°C.
- 2.5 LED Driver has a life expectancy of 50,000 hours at Tcase of ≤ 75°C.
- 2.6 LED Driver has a life expectancy of 100,000 hours at Tcase of ≤ 65°C.
- 2.7 LED Driver has a typical self rise of 25°C at maximum load in open air without heat sink.
- 2.8 LED Driver is certified by UL for use in a dry or damp location (Outdoor Type I).
- 2.9 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.10 LED Driver maximum allowable case temperature is 80°C – see product label for measurement location.
- 2.11 LED Driver reduces output power to LEDs if maximum allowable case temperature is exceeded.
- 2.12 LED Driver has a failure rate of ≤ 0.01% per 1,000 hours at Tcase ≤ 70°C.
- 2.13 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 were 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 @ T _c , °C |
|-------------------|---------------------------|------------------------------------|
| LEDINTA0530C280DO | 120-277, 60 Horizontal | 80 |

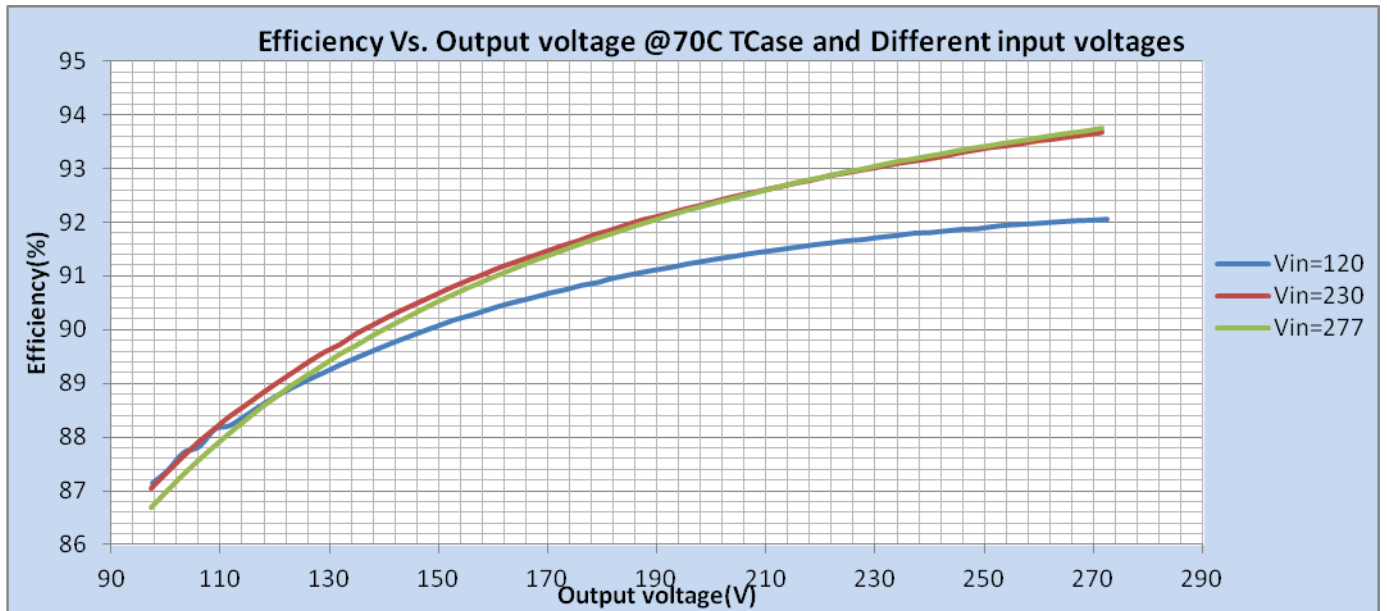
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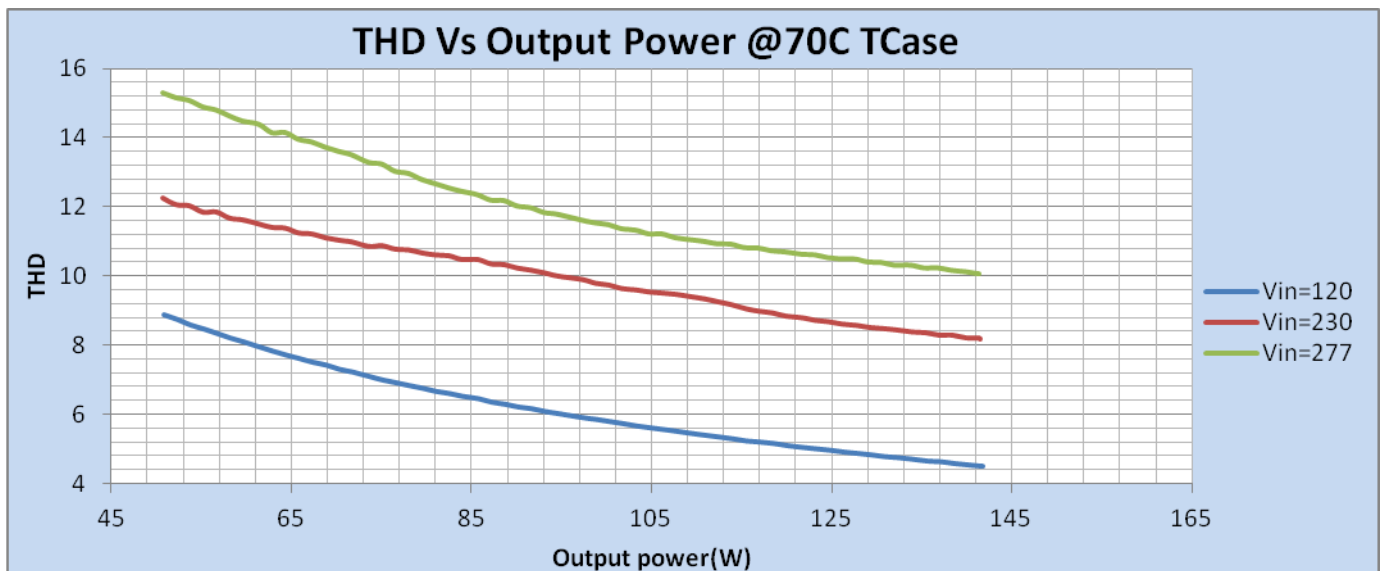
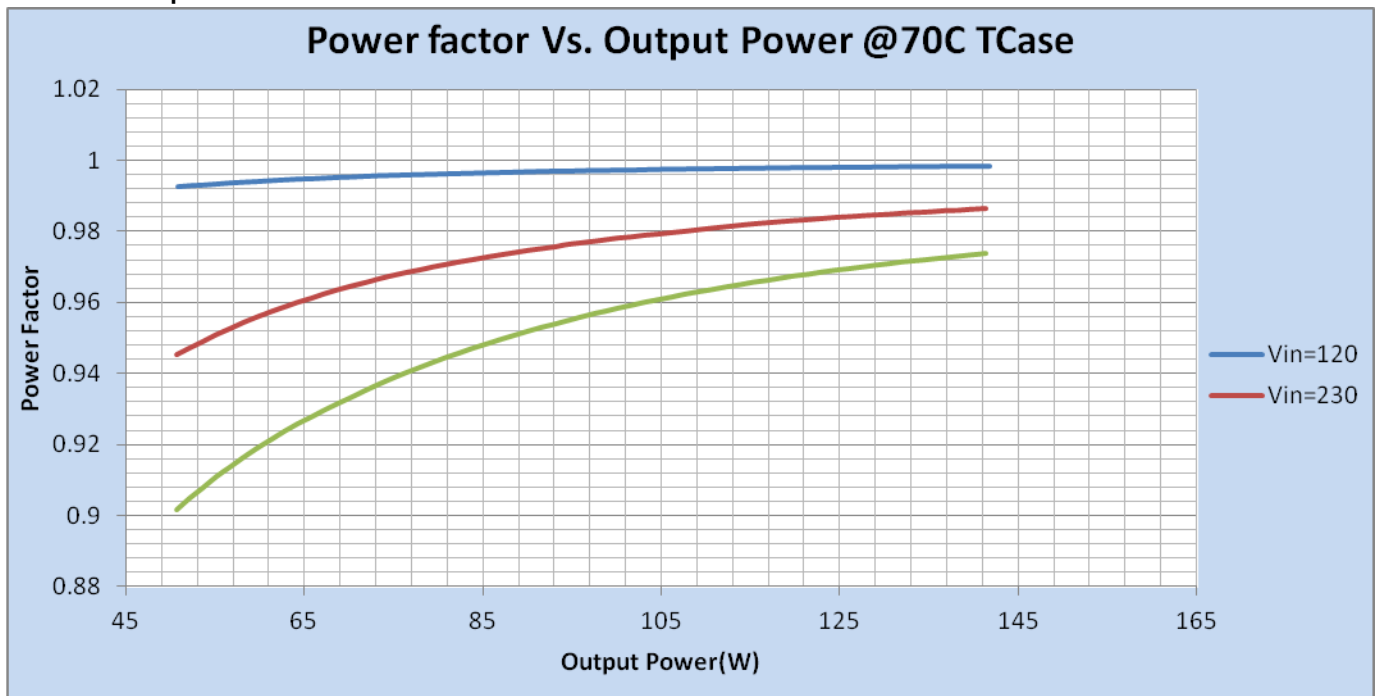
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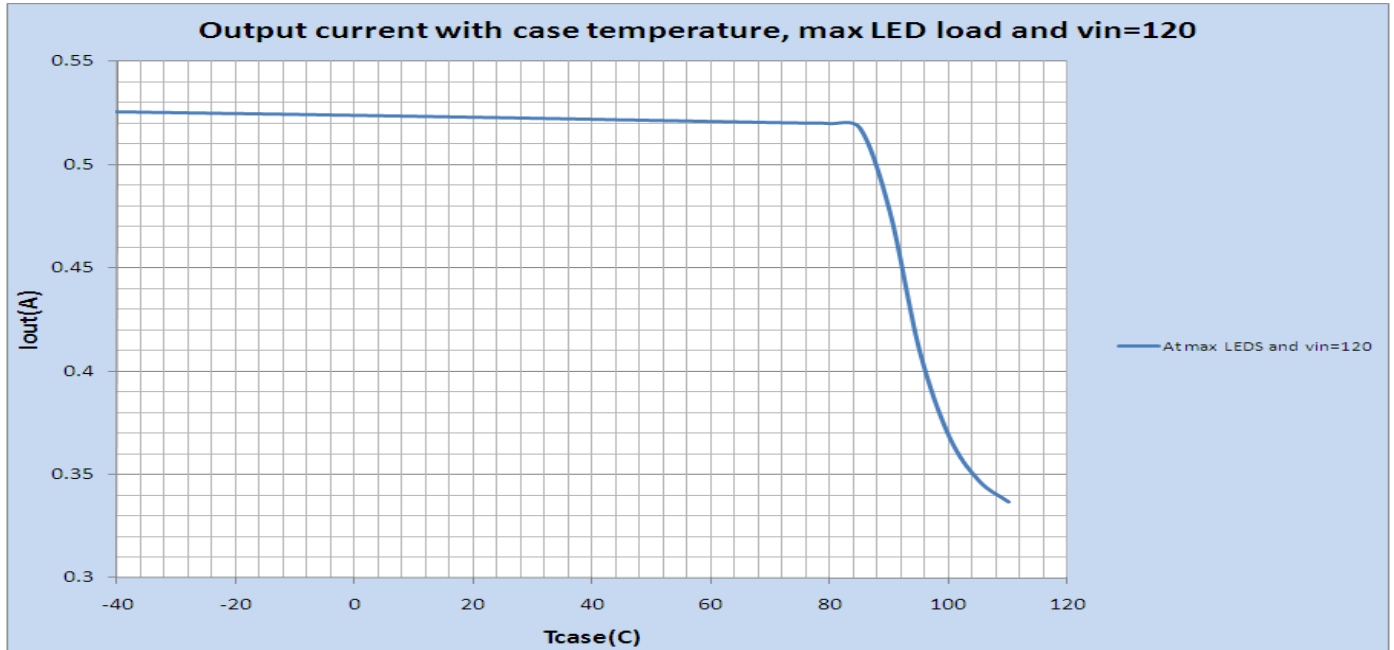
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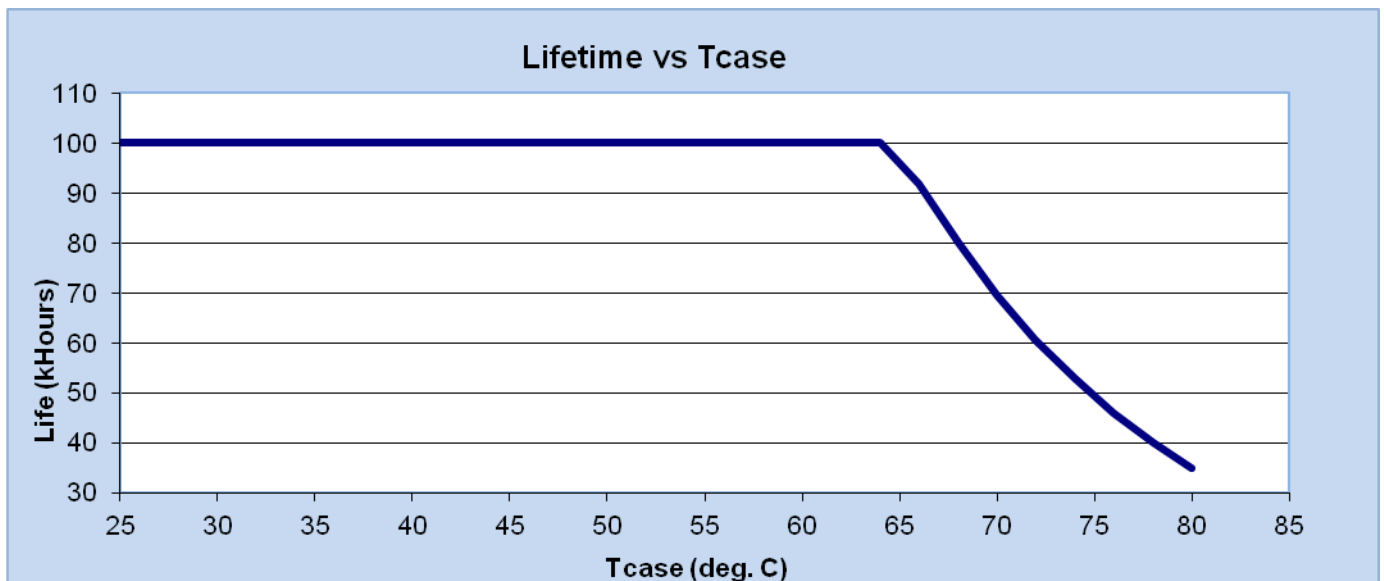
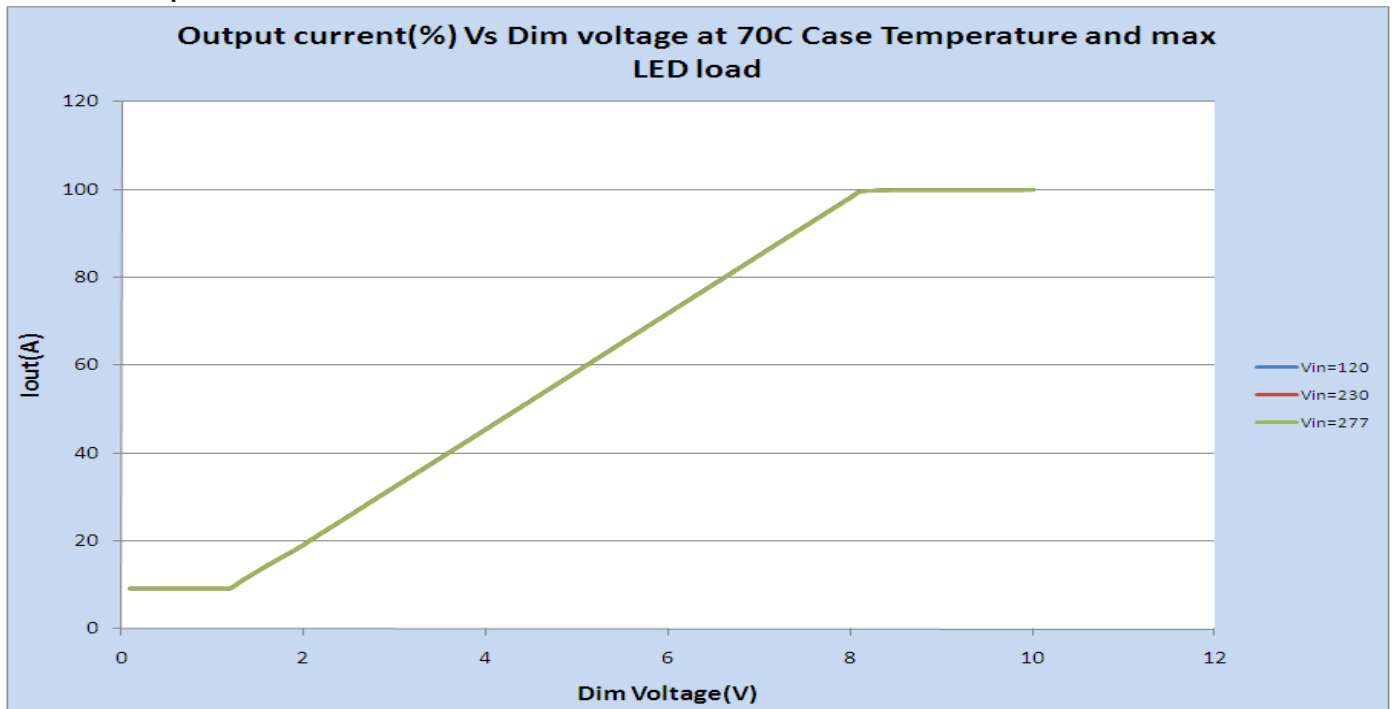
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| Status | Active |

Electrical Specifications

Failure Rate Info:

1. <0.01% per 1kHr @<= Tcase 65°C

Revision History:

| Rev No. | Date | Description | Approval | Remarks |
|---------|------------|--|----------|---------|
| 1.1 | 11/17/2011 | *Remove graph "Failure rate vs. Tcase | N.T. | |
| 1.2 | 01/13/2012 | * Add Envir. Protection Rating | N.T. | |
| 1.3 | 04/09/2012 | *Add Installation & Application Notes: Section II – 2.4: Max Switching Cycles | N.T. | |
| 1.4 | 04/17/2012 | *Remove Min .Output Power (W) | N.T. | |
| 1.5 | 04/18/2012 | * Add Approbations: UL,CSA | N.T. | |

Revised 04/18/2012