

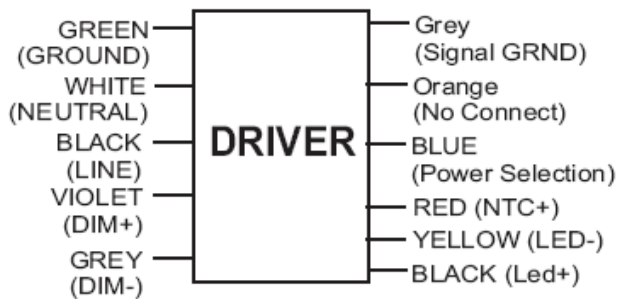
XI050C105V052DNM1M

Electrical Specifications

Brand Name	XITANIUM
Description	Xitanium 0.7-1.05A AOCM 0-10V Dim Side Ent
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Released

Max. Output Power (W)	Output Voltage (V)	Output Current (A)	Tcase Max	MaxInput Current at 120V (A)	Max. Input Power (W)	Inrush Current (A _{pk} -μs)	Max. THD (%)	Min. Power Factor	Surge Protection (KV)	Weight (Lbs)	Envir. Protection Rating
50	25-52	700-1050mA	75°C	0.5	59	74-120	20	0.9	2.5	1.5	UL Dry & Damp

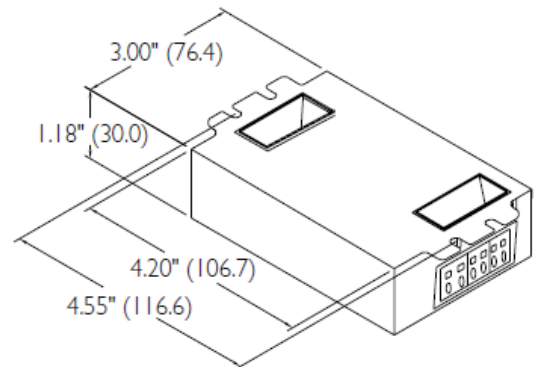
Wiring/Connection Diagram



Input, Output and for 1-10V Dimming, please use lead-wires 18AWG (0.78mm²) 105C/600V solid copper.



Dimming Method	Dimming Range (%)
0-10V	10% ~ 100%



	in. (mm)
Case Length	4.2 (106.7)
Case Height	1.18 (30.0)
Case Width	3.0 (76.4)
Mounting Length	4.55 (116.6)

Installation & Application Notes:

Revised 12/06/2012





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Section I – Physical Characteristics

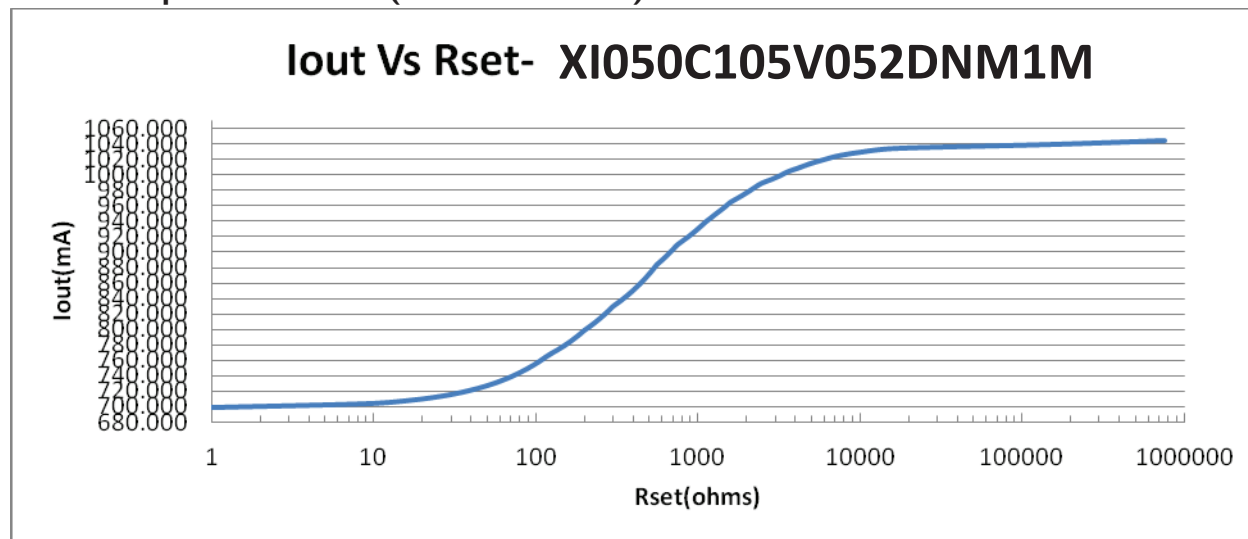
- 1.1 LED Driver shall be installed inside an electrical enclosure.
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher.

Section II – Performance

- 2.1 LED Driver is certified by UL Class2 for use in a dry or damp location..
- 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 $\leq 70^{\circ}\text{C}$.
- 2.5 LED Driver has a life expectancy of 100,000 hours at Tcase of $\leq 62^{\circ}\text{C}$.
- 2.6 LED Driver has a maximum self rise of 25°C in open air without heat sink.
- 2.7 LED Driver maximum allowable case temperature is 75°C – see product label for measurement location
- 2.8 LED Driver reduces output power to LEDs if maximum allowable case temperature is exceeded.
- 2.9 LED Driver has a failure rate $\leq 0.01\%$ per 1,000 hours at Tcase $\leq 70^{\circ}\text{C}$.
- 2.10 LED Driver has a failure rate of 0.01% - 0.02% per 1,000 hours at Tcase of 70°C - 80°C.
- 2.11 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.12 LED Driver complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A).

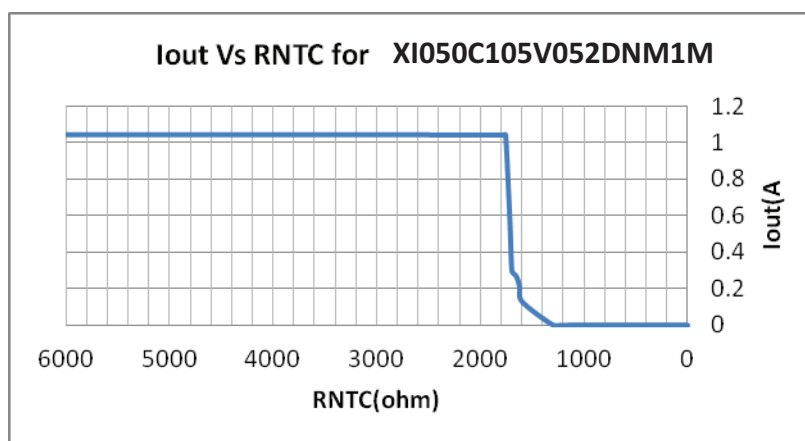
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Adjustable Output Current Info(700mA-1050mA):



RSET(kohms)	0-0.001	0.088	0.2	0.391	0.67	1.283	3.225	7.229	755.5
Iout(mA)	699	750	800	850	900	950	1000	1025	1044

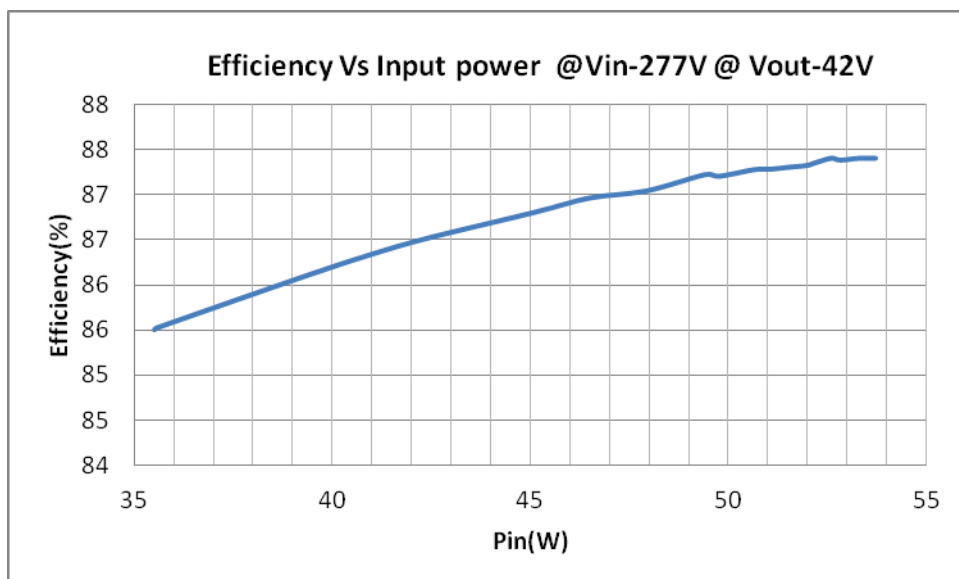
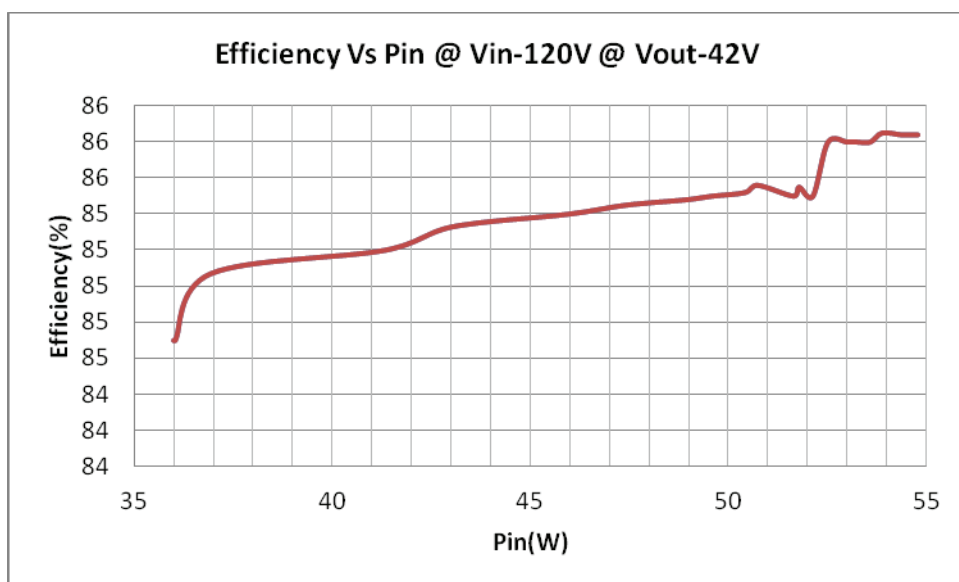
Variation of output current level with R_{NTC} :



Here, if $R_{NTC} < 1800\Omega$, then Iout is reduced to 100mA.

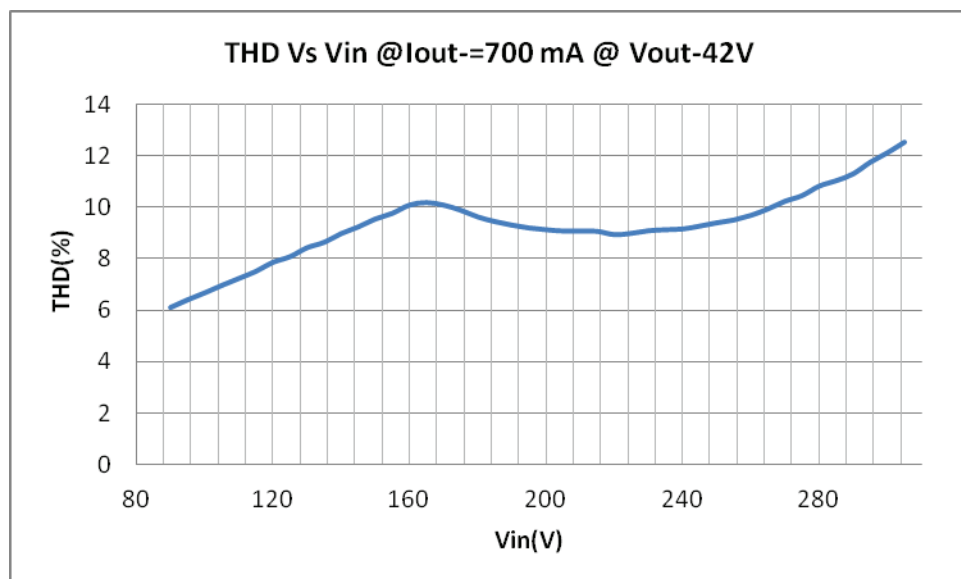
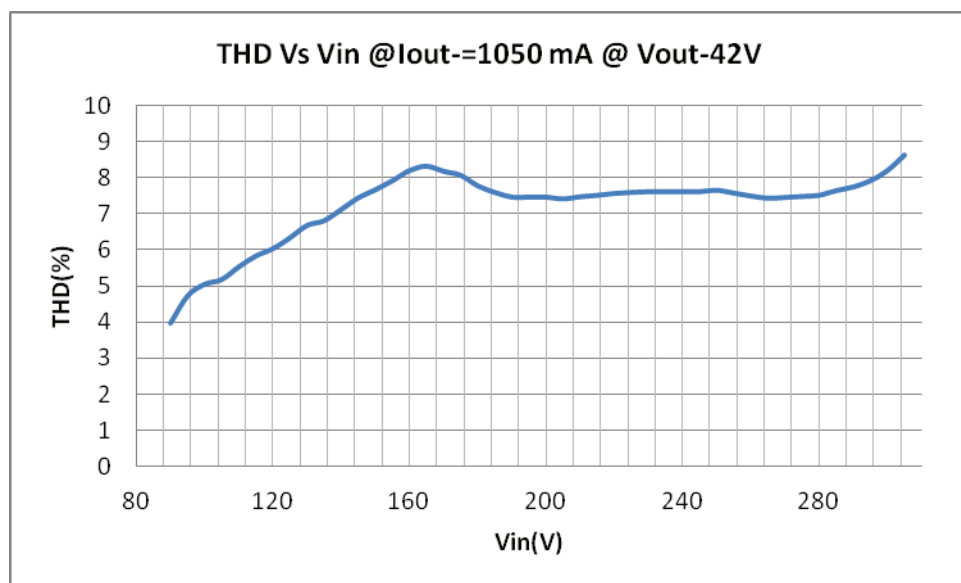
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Efficiency of the driver VS Input Power@ Constant LED Voltage 42V:



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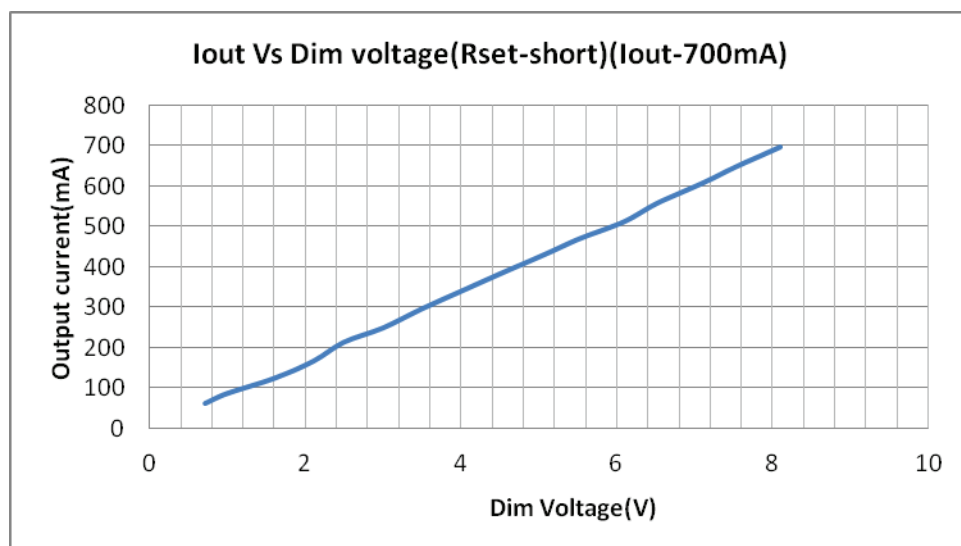
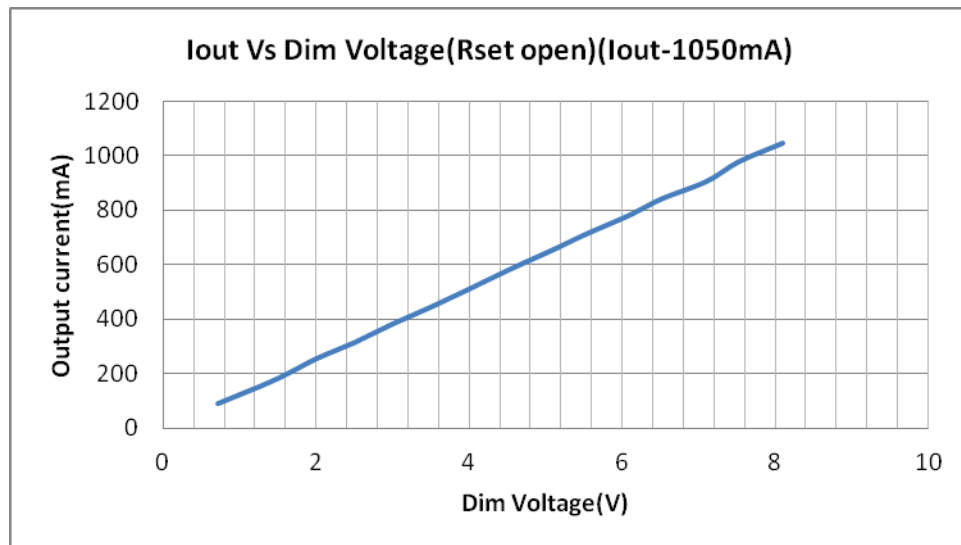
THD of the driver VS Input Voltage@ Constant LED Voltage 42V:



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0-10V Dimming Info:



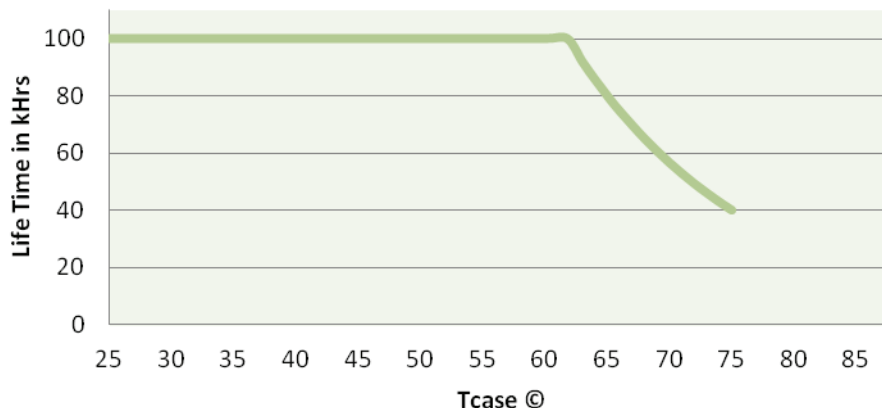
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Compatible Dimmers (Please verify with vendors):

Wallbox Dimmer - Mark 7 0-10V

Control Manufacturer	Wallbox Dimmer	Power Booster Available
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V) Tap Glide Heatsink TGH1500FAM120 (120V) Oasis OA2000FAMU (120/277V)	
Honeywell, Inc.	EL7315A1019 and EL7315A1009	EL7305A1010 (optional)
HUNT Dimming	Preset slide: PS-010-IV-120V and PS-010-WH-120V Preset slide: PS-010-3W-IV-120V and PS-010-3W-WH-120V Preset slide: PS-010-IV-277V and PS-010-WH-277V Preset slide: PS-010-3W-IV-277V and PS-010-3W-WH-277V Preset slide, controls FD-010: PS-IFC-010-IV- and PS-IFC-010-WH-120/277V Preset slide, controls FD-010: PS-IFC-010-3W-IV- and PS-IFC-010-3W-WH-120/277V Remote mounted unit: FD-010-120V and FD-010-277V	
Lehigh Electric Products Co.	Solitaire	PBX
Leviton Lighting Controls Div.	Leviton Centura Fluorescent Control System IllumaTech™ IP7 Series	CN100 PE300
Lightolier Controls	Sunrise Preset slider ZP600FAM120 (120V) Momentum Preset slider MP1500FAM120 (120V) Vega Slider V2000FAMU (120/277)	
Lithonia Controls	ISD BC SLD LPCS Digital Equinox (DEQ BC)	RDM FC
Lutron Electronics Co., Inc.	Visit www.lutron.com/advance for the latest control information and selection	
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALI.net Router
The Watt Stopper, Inc.	LS-4 used with LCD-101 and LCD-103	

Life Time VS Tcase





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Revision History:

Rev No.	Date	Description	Approval	Remarks
1	12/6/12	Initial release	S.B.	