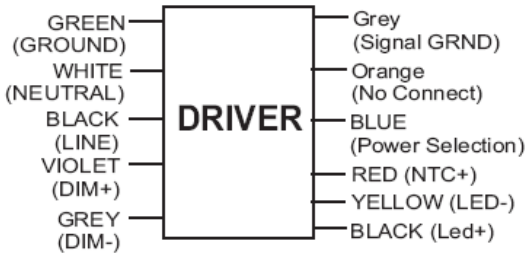
PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Electrical Specifications

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
30	25-56	350-520mA	75°C	0.30	36	74-120	20	0.9	2.5	0.6	UL Dry & Damp

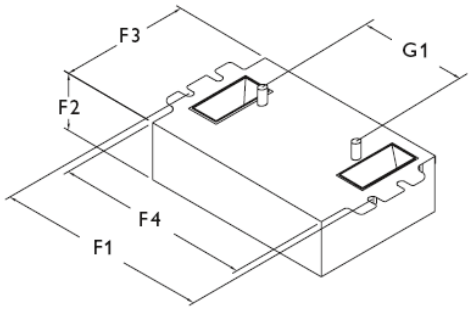
Wiring/Connection Diagram



Leave Blue unconnected to Grey for 520mA,
Connect Blue to Grey for 350mA.

Input, Output and for 1-10V Dimming, please use lead-wires18AWG (0.78mm²) 105C/600V solid copper.

Dimming Method	Dimming Range (%)	Min. Output Power (W)
0-10V	10% ~ 100%	15



F1	F2	F3	F4	G1
4.55" (116.6)	1.18" (30.0)	3.00" (76.4)	4.20" (106.7)	2.0" (50.8)

	in. (mm)
Case Length(F4)	4.2 (106.7)
Case Height(F2)	1.18 (30.0)
Case Width(F3)	3.0 (76.4)
Mounting Length(F1)	4.55(116.6)
Stud Width(G1)	2.0 (50.8)

C SA US
c UL us Power Unit Dry & Damp location
RoHS COMPLIANT 2002/95/EC

Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

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 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 an operating ambient temperature range of -20°C to 55°C.
2.4 LED Driver has a maximum life expectancy of 50,000 hours at Tcase of ≤ 70°C.
2.5 LED Driver has a maximum life expectancy of 100,000 hours at Tcase of ≤ 62°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 its case temperature exceeds 85°C –thermal protection.
2.9 LED Driver has a failure rate ≤ 0.01% per 1,000 hours at Tcase ≤ 70°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).

Section III – UL Conditions of Acceptability (File E321253)

3.1 The maximum available output parameters of the driver met the Class 2 Inherently limited parameters.
3.2 The maximum available output current and power parameters of the driver met the limitation for Class 2 inherently limited in accordance with the Canadian Standard CSA C22.2 No. 223. However, the rated output voltage exceeds the specified limit of 42.4V DC/Peak. Therefore, if the output of the driver extends outside of the enclosure of the end-use applications, then the output cord and/or the output connector must additionally comply with the safety requirements specified in the Technical Information Letter No. 0-18, dated February 20, 1992.
3.3 The primary and secondary terminal blocks are R/C (XCFR2/XCFR8).
3.4 The Driver is suitable for use in “Dry” and “Damp” locations.
3.5 When the driver is installed in the end-use application, the measured case temperature at the (Tc) location specified on the marking label must not exceed 77.6°C.
3.6 The driver shall be installed in compliance with the requirements of the end-product standard.
3.7 The maximum measured leakage current using leakage current tester by Simpson Model 229-2 was 0.62mA for model 911370121340 2, and the maximum measured leakage current was 0.45 MIU using a Simpson 228 on model LED-INTA-0520C-60DB.
3.8 The “Fan” and the “Dimming” circuits are part of the Class 2 output circuit.
3.9 The case of the driver must be connected to Earth ground when installed in the end-use application.

Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Adjustable Output Current Info (350mA-520mA):

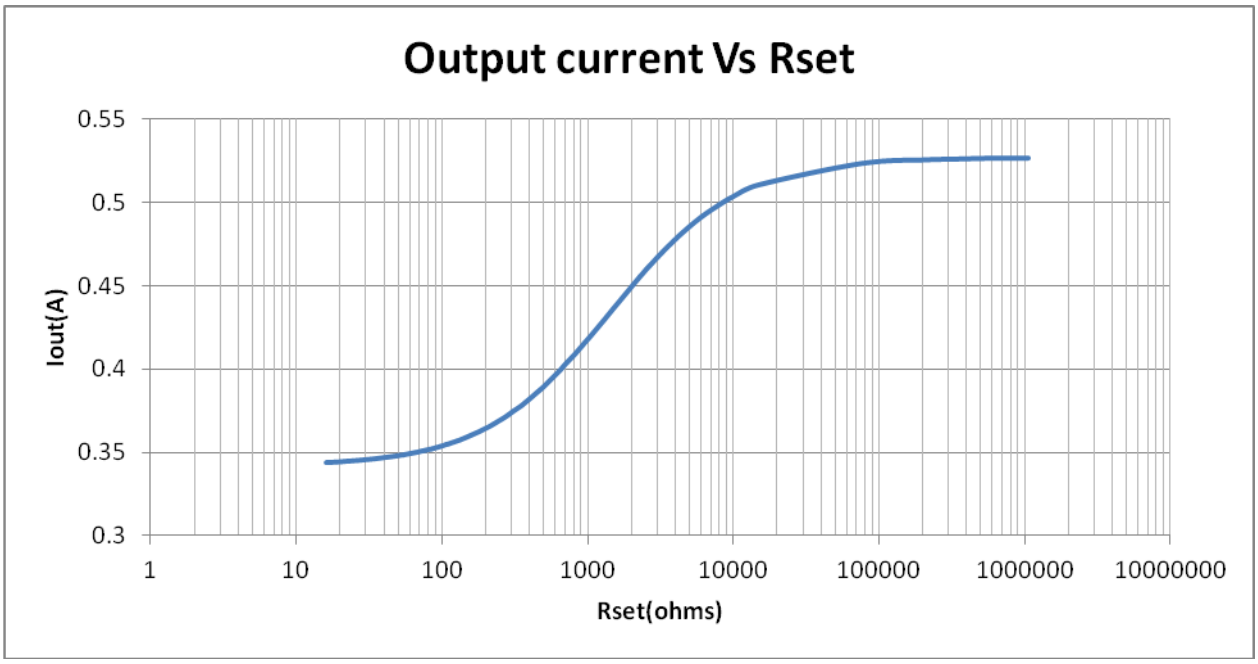


Table with values for reference:

Iout(mA)	RSET(ohms)	Iout(mA)	RSET(ohms)	Iout(mA)	RSET(ohms)	Iout(mA)	RSET(ohms)
352.000	2	407.000	612	457.000	1837	507.000	5450
357.000	42	412.000	698	462.000	2024	512.000	6392
362.000	82	417.000	794	467.000	2210	517.000	7381
367.000	122	422.000	903	472.000	2396	522.000	9219
372.000	178	427.000	1013	477.000	2700	527.000	14500
377.000	230	432.000	1126	482.000	3021	532.000	22000
382.000	280	437.000	1258	487.000	3343	531.630	293667
387.000	339	442.000	1389	492.000	3700	533.870	565333
392.000	404	447.000	1521	497.000	4200	536.060	837000
397.000	469	452.000	1667	502.000	4700	507.000	5450

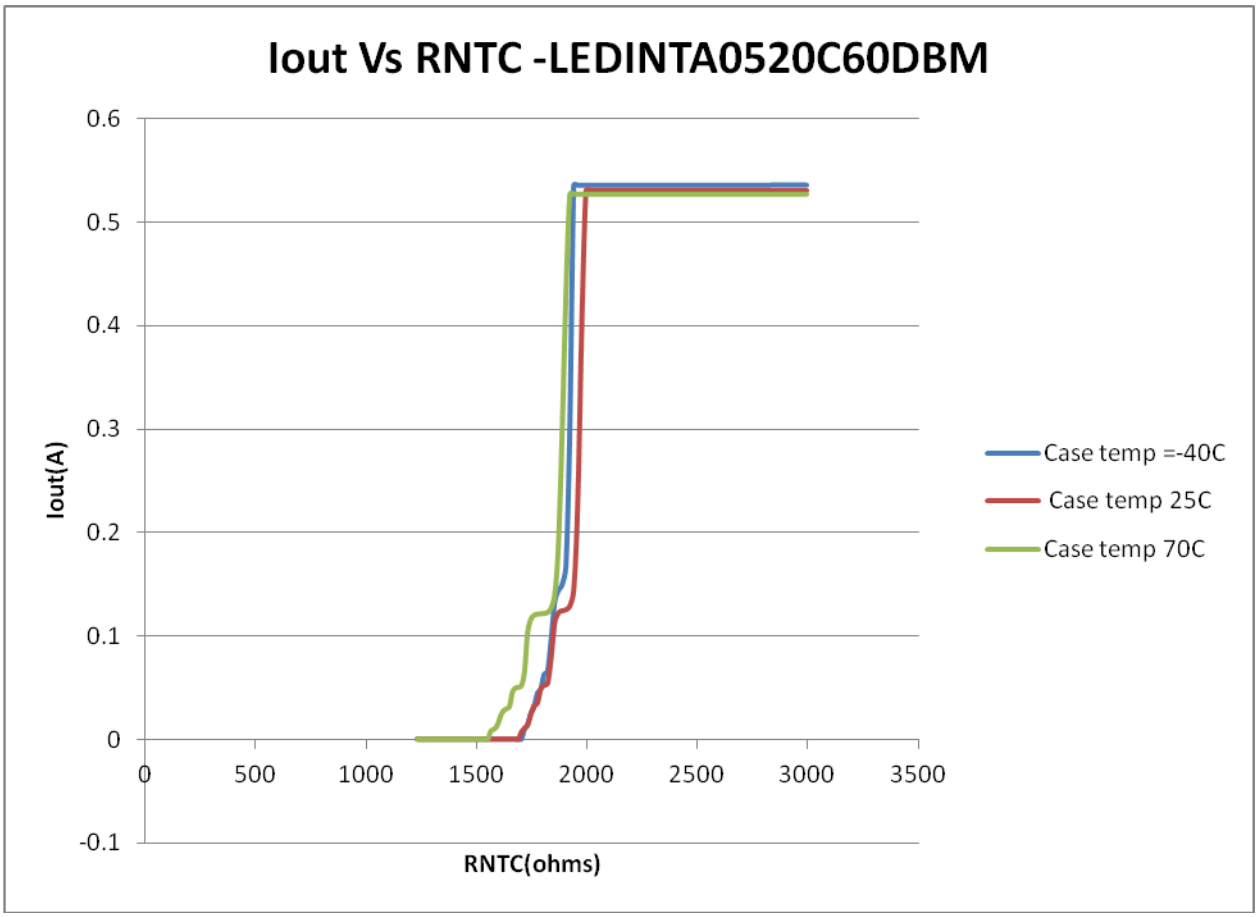
Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Variation of output current level with R_{NTC}:



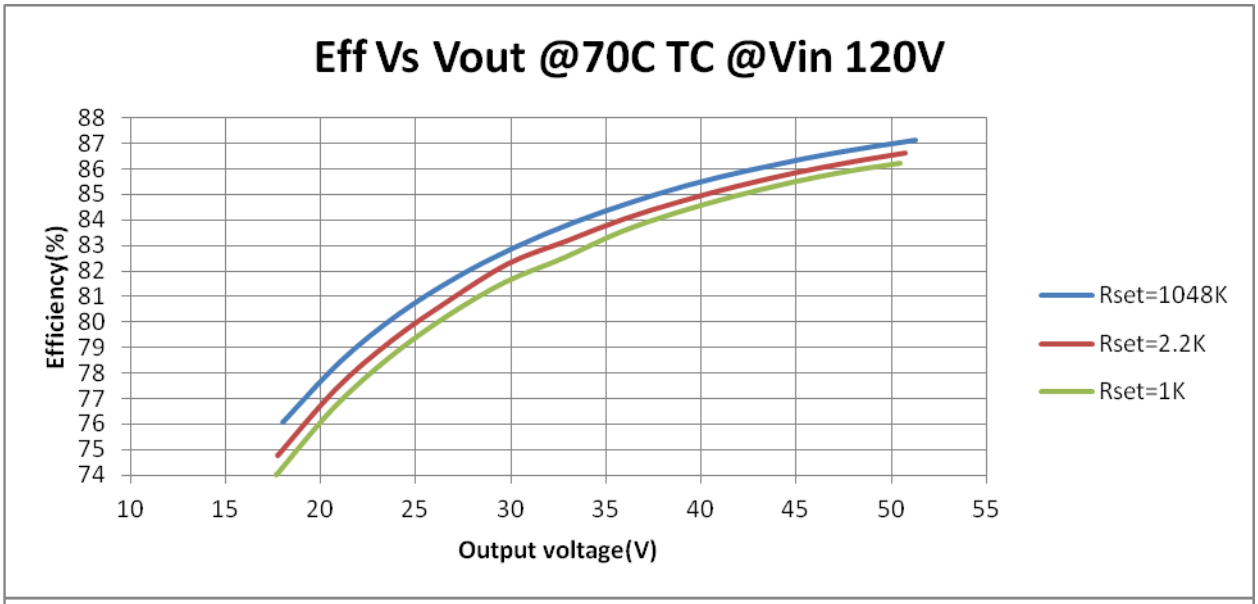
Here, if RNTC<~1800Ω, then Iout is reduced to ~150 mA.

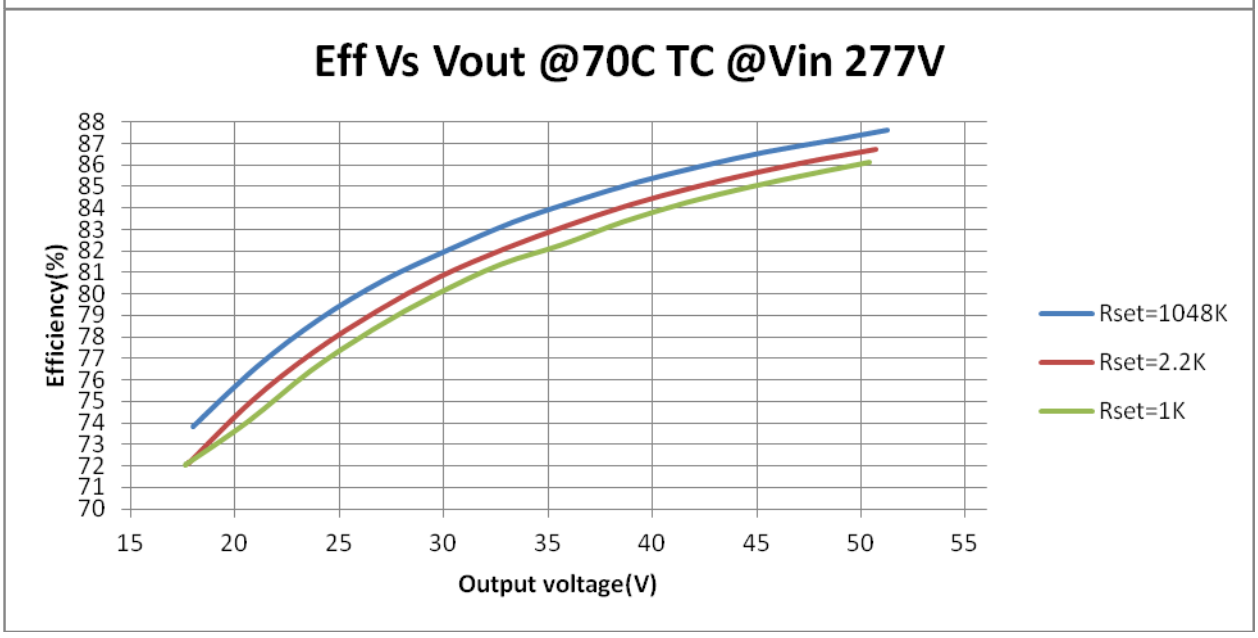
PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Eff VS Vout:





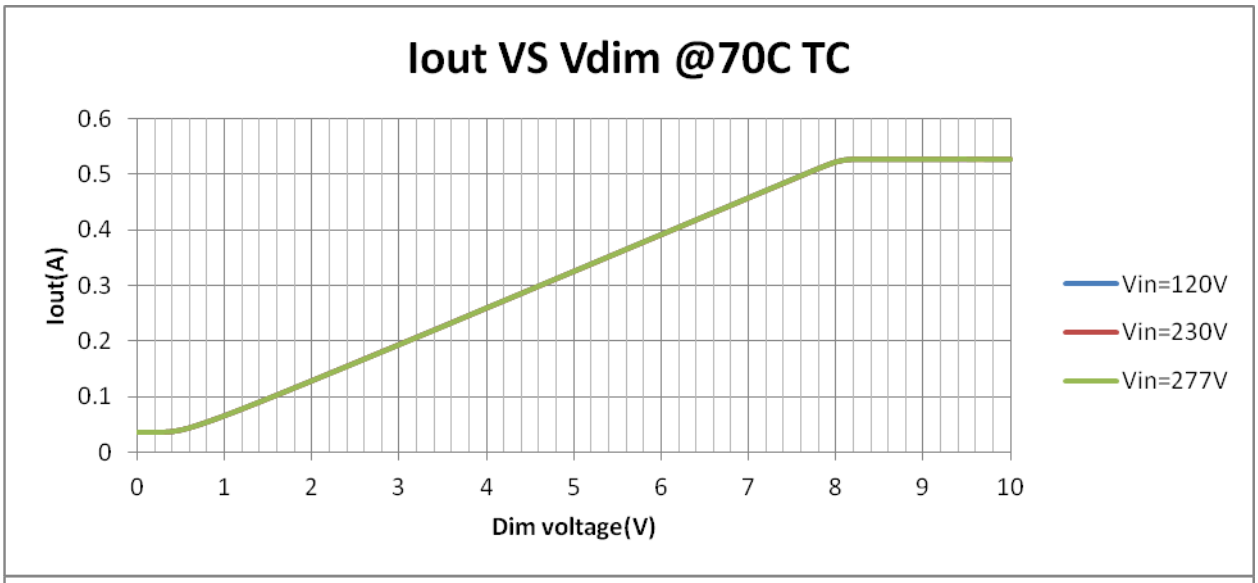
Revised 01/24/2012

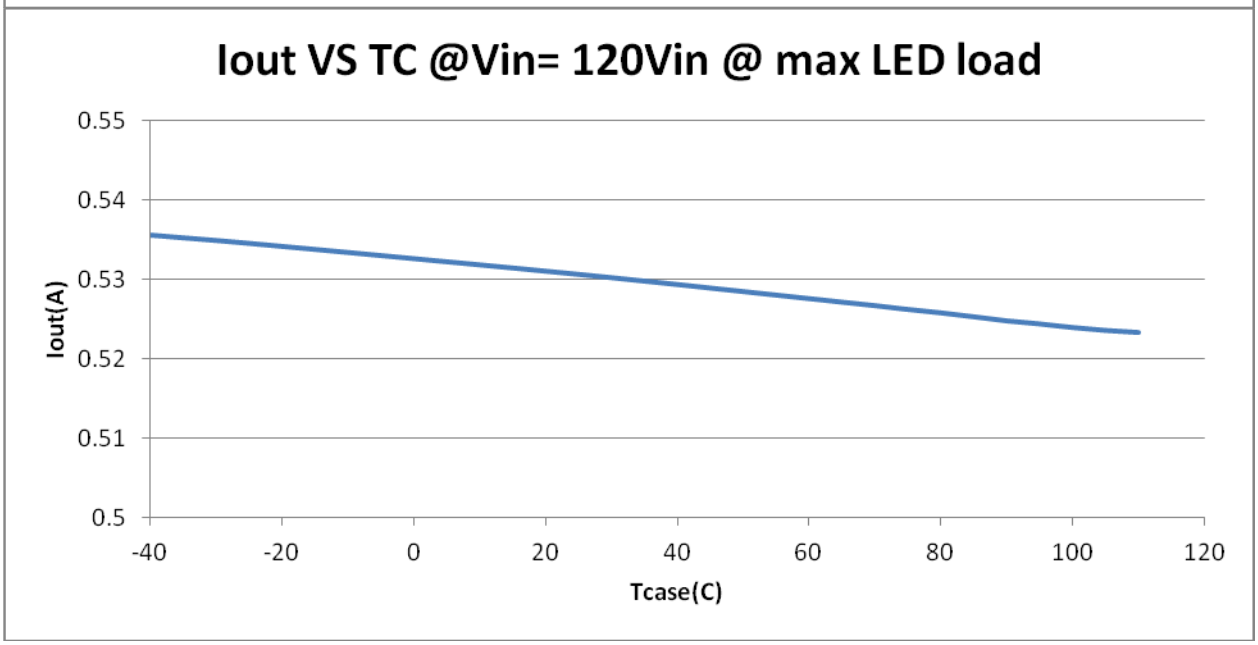
PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

0-10V Dimming Info:



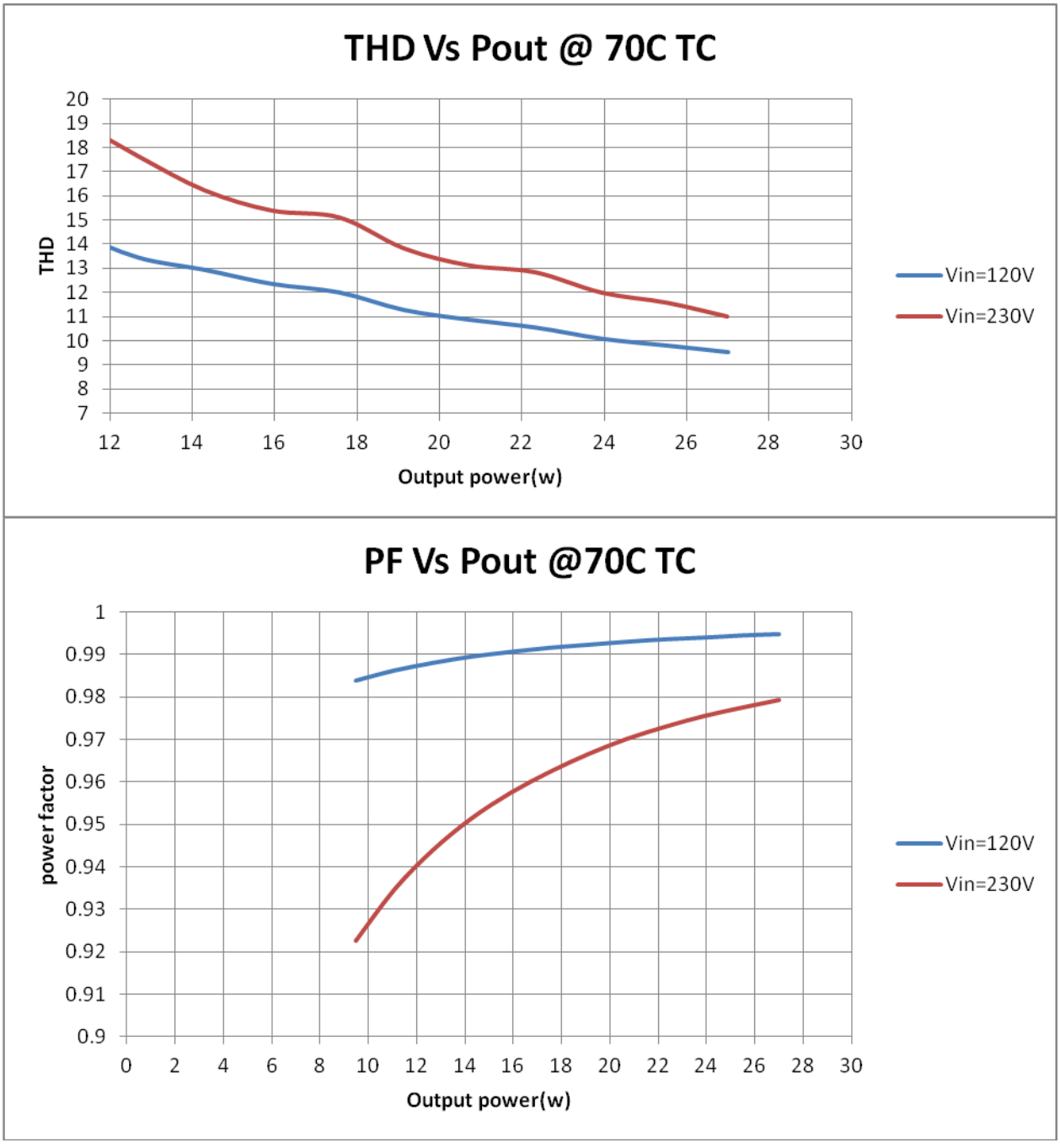


Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active



Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Compatible Dimmers (Please verify with vendors):

Wallbox Dimmer - Mark 7 *0-10V*

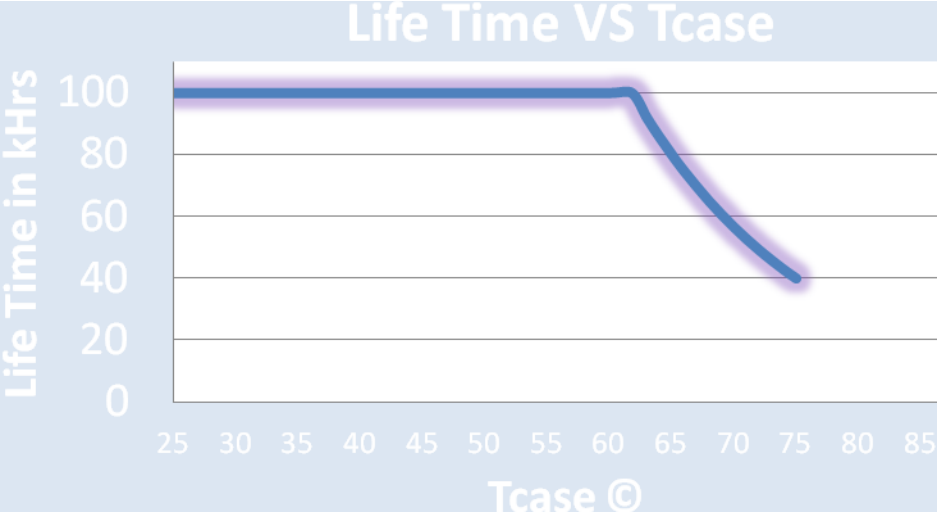
Control Manufacturer	Wallbox Dimmer	Power Booster Available
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V) Tap Glide Heatsink TGH1500FAM120 (120V) Oasis OA2000FAMU (120/277V)	
Honeywell, Inc.	EL7315A1019 and EL7315A1009	EL7305A1010 (optional)
HUNT Dimming	Preset 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 DALInet Router
The Watt Stopper, Inc.	LS-4 used with LCD-101 and LCD-103	

Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS

LEDINTA0520C60DBM	
Brand Name	XITANIUM
Driver Type	**Xitanium 30W.35-.52A 56V 0-10V**
Input Voltage	120-277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active



Failure Rate Info:

1. **<0.01% per 1kHr @<= Tcase 80C**

Revision History:

Rev No.	Date	Description	Approval	Remarks
1.1	11/17/2011	* Remove graph "Failure rate vs. Tcase	N.T.	
1.2	01/24/2012	* Add Envir. Protection Rating	N.T.	

Revised 01/24/2012

PHILIPS LIGHTING ELECTRONICS N.A.
10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
Tel: 800-322-2086 · Fax: 888-423-1882 · www.philips.com/advance
Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886