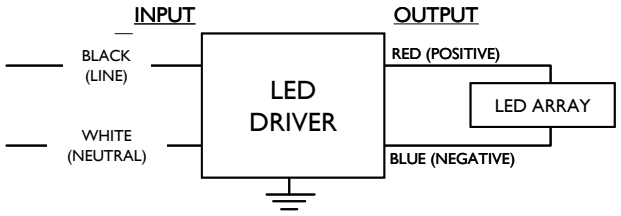
PHILIPS
ADVANCE

LED120A0700C24FO	
Brand Name	XITANIUM
Driver Type	Electronic
Input Voltage	120
Input Frequency	50/60Hz
RoHS	No
Approbations	UL, CSA
Status	Active

Electrical Specifications

Max. Output Power (W)	Output Voltage (V)	Output Current (A)	Operating Temp. Range (°F/°C)	Input 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
17	2.8~24.0	0.7	-40°~140°F (-40~60°C)	0.18	21.5	-	20	0.9	2.0	0.3/135	UL Dry & Damp

Wiring Diagram



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

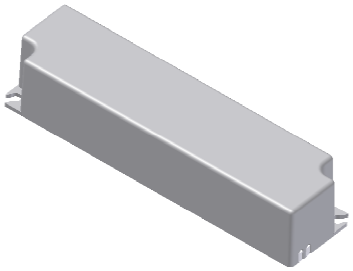
Standard Lead Length

	in.	cm.
Black	6	15
White	6	15
Blue	6	15
Red	6	15
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	5.2 (132)
Case Width	1.3 (34)
Case Height	1.0 (25)
Mounting Length	4.8 (122.4)
Mounting Width	1.0 (24.8)
Overall Length	5.2 (132)

c UL us — UL Class 2
E220165

C SP US — 7310_S-000
3426-32

Revised 05/16/2012

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

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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 is UL Class 2 power unit as per UL879 & UL1310. It is also listed in the UL Sign Accessory Manual.
2.2 LED Driver is certified by UL for use in a dry or damp location (Outdoor Type I).
2.3 LED Driver has Class A sound rating.
2.4 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
2.5 LED Driver maximum allowable case temperature is 90°C – see product label for measurement location.
2.6 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 E220165)

When installed in the end product, consideration shall be given to the following:

3.1 This component has been judged on the basis of the required spacings in the Standard for Class 2 Power Units, UL 1310, Fourth Edition, which would cover the component itself if submitted for Listing.
3.2 The supply terminals and connectors are suitable for factory wiring only of solid or tinned stranded No. 18 AWG conductors.
3.3. The LED Drivers listed below are suitable for use in Dry and Damp locations: LED120A0012V10F, LED120A0350C28FO, LED120A0700C24FO and GEXNPS31-120.
*3.4 The equipment was submitted and tested for a maximum manufacturer's recommended ambient (Tmra) of 25°C. except the Models LED120A0350C28FO, LED120A0700C24FO, LED120A0012V10F**, 913700534302, LED120A0350C33F*** and GEXNPS31-120 were tested for a ***69.1 deg. C*** ambient ***for a max. Tcase temperature of 90 deg. C.***
*3.4 This unit is provided with a Class ***130(B)*** insulation system. A temperature test is required when the unit is installed within an electrical enclosure or raceway.
3.5 Leakage current measurements shall be performed when more than four LED drivers are used in the equipment or when the LED driver is used in combination with other equipment in the end-use product.
3.6 The unit is intended for installation inside an electrical enclosure.
3.7 The Models LED120A0350C28FO, LED120A0700C24FO, LED120A0012V10F and GEXNPS31-120 may be used within an electrical enclosure or raceway without temperature test provided they are mounted not closer than 1 in. end to end or 4 in. side to side from adjacent LED power supplies.

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Revision History:

Rev No.	Date	Description	Approval	Remarks
1.1	12/12/2011	*Modify UL COA	N.T.	
1.2	01/16/2012	* Add Envir. Protection Rating	N.T.	
1.3	03/02/2012	*Modify Part #(Remove Dashes)	N.T.	
1.4	05/16/2012	*Add Approbations: UL, CSA	N.T.	

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