

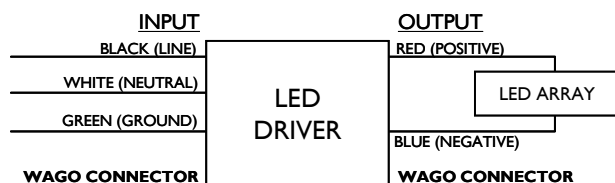
## Electrical Specifications

### LED120A1400C24F

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

| 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 <sub>pk</sub> /μs) | Max. THD (%) | Min. Power Factor | Surge Protection (KV) | Weight (Lbs) | Envir. Protection Rating |
|-----------------------|--------------------|--------------------|-------------------------------|---------------------------|----------------------|--------------------------------------|--------------|-------------------|-----------------------|--------------|--------------------------|
| 34                    | 2.8~24.0           | 1.4                | -40°~140°F<br>(-40~60°C)      | 0.35                      | 42                   | -                                    | 20           | 0.9               | 2.0                   | 0.6/275      | UL Dry & Damp            |

### Wiring Diagram



Input is Wago 3-position wire trap connector – use 18AWG solid or tinned stranded.

Output is Wago 4-pin wire trap connector – use 20AWG solid or tinned stranded.

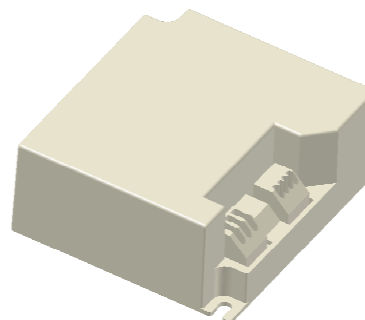
### Standard Lead Length

|        | in. | cm. |
|--------|-----|-----|
| Black  |     |     |
| White  |     |     |
| Blue   |     |     |
| Red    |     |     |
| Green  |     |     |
| Violet |     |     |

### Maximum Wiring Distance (at full load)

| Wire Size (AWG) | Distance (feet) |
|-----------------|-----------------|
| 26              | 4               |
| 24              | 7               |
| 22              | 11              |
| 20              | 17              |
| 18              | 27              |
| 16              | 43              |
| 14              | 69              |
| 12              | 105             |
| 10              | 179             |

### Enclosure



|                 | in. (mm)    |
|-----------------|-------------|
| Case Length     | 3.30 (83)   |
| Case Width      | 3.06 (77)   |
| Case Height     | 1.34 (33.7) |
| Mounting Length | 2.91 (73.4) |
| Mounting Width  | 2.67 (67.4) |
| Overall Length  | 3.29 (83)   |



UL Class 2  
E220165



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3426-32

Revised 05/16/2012

### PHILIPS LIGHTING ELECTRONICS N.A.

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| <b>LED120A1400C24F</b> |            |
|------------------------|------------|
| Brand Name             | XITANIUM   |
| Driver Type            | Electronic |
| Input Voltage          | 120        |
| Input Frequency        | 50/60Hz    |
| RoHS                   | No         |
| Approbations           | UL, CSA    |
| 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.
- 1.3 Housing is made of UL94-V0 flame retardant plastic. White color.

#### Section II – Performance

- 2.1 LED Driver is UL Class 2 power unit as per UL1310. It is also listed in the UL Sign Accessory Manual.
- 2.2 LED Driver is certified by UL for use in a dry location.
- 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 85°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) for EMI/RFI (conducted and radiated) at full load.

#### 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 equipment was submitted and tested for a maximum manufacturer's recommended ambient (T<sub>mra</sub>) of 40°C.
- 3.4 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.
- 3.5 The drivers are intended for installation inside an electrical enclosure.
- 3.6 The ground connection is not suitable as the equipment ground for a sign. Separate provision for sign grounding must be provided.
- 3.7 The driver is suitable for dry location use.

#### Revision History:

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

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