



# LED Driver

From The World's No.1 Power Supply Company

November 2017

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# Company Profile

## Delta Electronics Group

### World's No.1\* Power Supply Company

Delta Electronics Group is the world's largest provider of switching power supplies and a major source for power management and renewable energy solutions. Established in 1971, Delta has sales offices and R&D facilities worldwide with manufacturing plants located in Taiwan, Thailand, China, Mexico, India and Europe.

As a global leader in power electronics, Delta has long been adopting Green manufacturing processes, recycling initiatives, waste management programs and environmentally-friendly green buildings. In 2017, Delta Electronics was selected for the prestigious Dow Jones Sustainability Index (DJSI) World for the seventh consecutive year. Amongst many other national and international awards, since 2010, Delta has also received more than 49 internationally recognized technology and design awards.

### 1 Standard Industrial and Medical Power Supplies



Delta offers an extensive range of standard power supplies for industrial and medical applications. The industrial power supplies comprise of DIN rail, panel mount and open frame types and LED drivers. The medical power supplies include open frame, enclosed, ATX and AC adapter types. All Delta standard power supplies offer customers the same industrial leading technology and quality that Delta's ODM partners are familiar with. Due to Delta's highly reliable products and world class customer support, we have been expanding our product portfolio aggressively to meet the global demands which have been growing annually. Please visit our standard product homepage at [www.DeltaPSU.com](http://www.DeltaPSU.com) for more product information.

### 2 Modified Standard Power Supplies



Many top tier electronics companies on the Fortune® 500 list have long regarded Delta as a trusted ODM partner. These companies expect nothing less than the best technology and quality. With decades of industrial leading manufacturing and design experiences in ODM power management products, the IPS team can also offer our customers modified standard products by leveraging from the wide range of standard products in our catalog. Modified standard products enable our customers to optimize their costs and product development time. For further query, please contact your local Delta distributor or simply send your query to [info@deltapsu.com](mailto:info@deltapsu.com).

\* Based on global sales revenue as reported in Micro-Tech Consultants March 2017 Report.

# Latest Products

## LED Driver

### LNE

High Efficiency with PFC Function



## LNE

12V, 24V, 36V, 48V  
320W

PAGES 16-17

- Meet ErP Directive (2009/125/EC) for International models (except 12V models)
- North American and International AC voltage options
- Up to 94.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity

### LNV

Wide Input Voltage with PFC Function



## LNV

12V, 24V, 36V, 48V  
320W

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- Designed for single phase (for L – N) or two phase (for L – L) wide input 180-528Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity

All Delta LED drivers are fully compliant with RoHS Directive 2011/65/EU for environmental protection. For more information or enquiries, please do not hesitate to contact your local Delta Electronics distributor or visit [www.DeltaPSU.com](http://www.DeltaPSU.com).

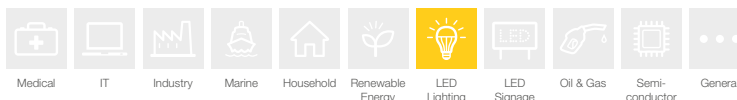
# Standard Products

## LNE



Delta LNE series of LED driver features adjustable output voltage and current level. All the models come in full corrosion resistance aluminum casing and major international safety certifications. The product offers the capability to achieve different level of LED brightness via built-in dimming function to meet various application and energy optimization needs. The products are designed and rigorously tested to work with various indoor and outdoor LED lighting conditions. Featuring high surge immunity (CM: 6kV, DM: 4kV) and complying to IP65/IP67 make Delta LED drivers an essential part of an energy efficient LED lighting power solution for both indoor and outdoor applications.

### Typical Applications

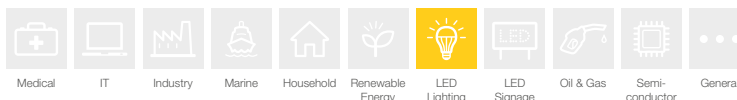


## LVN



Delta LVN series of LED driver offers wide input voltage (180-528Vac) and constant current/ constant voltage output. Different combinations of features are designed into the LVN series to suit different application requirements and energy optimization needs. Options include externally adjustable output voltage and current levels, and adjustment of LED brightness via 3-way built-in dimming function. Every model is enclosed in full corrosion resistant aluminum casing, certified according to UL safety standards; and is compliant to various Immunity/Emissions/Harmonic requirements. Additionally, the products' excellent specifications with high surge immunity (CM: 6kV, DM: 4kV), MTBF > 700,000hrs and compliance with IP65/IP67, make the Delta LVN series an essential part of an energy efficient LED lighting power solution for both indoor and outdoor applications.

### Typical Applications



## Package Types

### 1 IP65 Protection

#### LNE-□V□W□□□, LVN-□V□WAAA

- With potentiometers to adjust output voltage and constant current level



100-185W



320W

### 2 IP67 Protection

#### LNE-□V□WB□□, LVN-□V□WBAA

- Without dimming cable and potentiometers



320W

#### LNE-□V□WD□□, LVN-□V□WDAA

- With dimming cable to adjust constant current level



100-185W



320W

# Selection Guide

## LED Driver

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type | Series                                                                                                                                             | Model Name     | Phase |   | PFC | Output Power | Output Current |     |     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|---|-----|--------------|----------------|-----|-----|
|              |                                                                                                                                                    |                | 1     | 3 |     |              |                | 12V | 24V |
| LED Driver   | <b>LNE</b> <ul style="list-style-type: none"> <li>High surge immunity</li> <li>IP65/IP67 Compliant</li> <li>LED lighting power solution</li> </ul> | LNE-12V100WA□A | ●     |   | ●   | 96W          | 8.0A           | ●   |     |
|              |                                                                                                                                                    | LNE-12V100WD□A | ●     |   | ●   |              | 8.0A           | ●   |     |
|              |                                                                                                                                                    | LNE-24V100WA□A | ●     |   | ●   |              | 4.0A           |     | ●   |
|              |                                                                                                                                                    | LNE-24V100WD□A | ●     |   | ●   |              | 4.0A           |     | ●   |
|              |                                                                                                                                                    | LNE-36V100WA□A | ●     |   | ●   | 95.4W        | 2.65A          |     |     |
|              |                                                                                                                                                    | LNE-36V100WD□A | ●     |   | ●   |              | 2.65A          |     |     |
|              |                                                                                                                                                    | LNE-48V100WA□A | ●     |   | ●   | 96W          | 2.0A           |     |     |
|              |                                                                                                                                                    | LNE-48V100WD□A | ●     |   | ●   |              | 2.0A           |     |     |
|              |                                                                                                                                                    | LNE-12V120WA□A | ●     |   | ●   | 120W         | 10.0A          | ●   |     |
|              |                                                                                                                                                    | LNE-12V120WD□A | ●     |   | ●   |              | 10.0A          | ●   |     |
|              |                                                                                                                                                    | LNE-24V120WA□A | ●     |   | ●   |              | 5.0A           |     | ●   |
|              |                                                                                                                                                    | LNE-24V120WD□A | ●     |   | ●   |              | 5.0A           |     | ●   |
|              |                                                                                                                                                    | LNE-36V120WA□A | ●     |   | ●   | 122.4W       | 3.4A           |     |     |
|              |                                                                                                                                                    | LNE-36V120WD□A | ●     |   | ●   |              | 3.4A           |     |     |
|              |                                                                                                                                                    | LNE-48V120WA□A | ●     |   | ●   | 120W         | 2.5A           |     |     |
|              |                                                                                                                                                    | LNE-48V120WD□A | ●     |   | ●   |              | 2.5A           |     |     |
|              |                                                                                                                                                    | LNE-12V150WA□A | ●     |   | ●   | 150W         | 12.5A          | ●   |     |
|              |                                                                                                                                                    | LNE-12V150WD□A | ●     |   | ●   |              | 12.5A          | ●   |     |
|              |                                                                                                                                                    | LNE-24V150WA□A | ●     |   | ●   | 151.2W       | 6.3A           |     | ●   |
|              |                                                                                                                                                    | LNE-24V150WD□A | ●     |   | ●   |              | 6.3A           |     | ●   |
|              |                                                                                                                                                    | LNE-36V150WA□A | ●     |   | ●   |              | 4.2A           |     |     |
|              |                                                                                                                                                    | LNE-36V150WD□A | ●     |   | ●   |              | 4.2A           |     |     |
|              |                                                                                                                                                    | LNE-48V150WA□A | ●     |   | ●   | 153.6W       | 3.2A           |     |     |
|              |                                                                                                                                                    | LNE-48V150WD□A | ●     |   | ●   |              | 3.2A           |     |     |
|              |                                                                                                                                                    | LNE-54V150WA□A | ●     |   | ●   | 151.2W       | 2.8A           |     |     |
|              |                                                                                                                                                    | LNE-54V150WD□A | ●     |   | ●   |              | 2.8A           |     |     |
|              |                                                                                                                                                    | LNE-12V185WA□A | ●     |   | ●   | 156W         | 13.0A          | ●   |     |
|              |                                                                                                                                                    | LNE-12V185WD□A | ●     |   | ●   |              | 13.0A          | ●   |     |
|              |                                                                                                                                                    | LNE-24V185WA□A | ●     |   | ●   | 187.2W       | 7.8A           |     | ●   |
|              |                                                                                                                                                    | LNE-24V185WD□A | ●     |   | ●   |              | 7.8A           |     | ●   |
|              |                                                                                                                                                    | LNE-36V185WA□A | ●     |   | ●   |              | 5.2A           |     |     |
|              |                                                                                                                                                    | LNE-36V185WD□A | ●     |   | ●   |              | 5.2A           |     |     |
|              |                                                                                                                                                    | LNE-48V185WA□A | ●     |   | ●   |              | 3.9A           |     |     |
|              |                                                                                                                                                    | LNE-48V185WD□A | ●     |   | ●   |              | 3.9A           |     |     |
|              |                                                                                                                                                    | LNE-54V185WA□A | ●     |   | ●   | 186.3W       | 3.45A          |     |     |
|              |                                                                                                                                                    | LNE-54V185WD□A | ●     |   | ●   |              | 3.45A          |     |     |

### LNE LED Driver Model Numbering

| LN         | E –                                           | XXV            | XXXW         | □                                                                                                                                                              | □                                                                                        | A                              |
|------------|-----------------------------------------------|----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------|
| LED Driver | Product Series<br>E - High efficiency and PFC | Output Voltage | Output Power | Package Type<br>A - IP65 with potentiometers to adjust output voltage & constant current level<br>D - IP67 with dimming cable to adjust constant current level | Safety Approval<br>100-185W<br>A - UL approval<br>C - ENEC, CE, KC, PSE and CCC approval | Variable<br>A - Delta Standard |

| Output Voltage |     |     | Input Voltage Range       | IP | Dimming Cable | Safety Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Page  |
|----------------|-----|-----|---------------------------|----|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 36V            | 48V | 54V |                           |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     | 90-305Vac (LNE-□V100W□AA) | 65 |               | LNE-□V100W□AA: <br>LNE-□V100W□CA:               | 8-9   |
|                |     |     | 90-264Vac (LNE-□V100W□CA) | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     | 90-305Vac (LNE-□V120W□AA) | 65 |               | LNE-□V120W□AA: <br>LNE-□V120W□CA:               | 10-11 |
|                |     |     | 90-264Vac (LNE-□V120W□CA) | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     | 90-305Vac (LNE-□V150W□AA) | 65 |               | LNE-□V150W□AA: <br>LNE-□V150W□CA:               | 12-13 |
|                |     |     | 90-264Vac (LNE-□V150W□CA) | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     | ●   |                           | 65 |               | LNE-□V185W□AA: <br>LNE-□V185W□CA:     | 14-15 |
|                |     | ●   | 90-305Vac (LNE-□V185W□AA) | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     | ●   | 90-264Vac (LNE-□V185W□CA) | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| ●              |     |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                | ●   |     |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     | ●   |                           | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
|                |     | ●   |                           | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |



# Selection Guide

## LED Driver

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type | Series                                                                                 | Model Name     | Phase |   | PFC | Output Power | Output Current | Output |     |
|--------------|----------------------------------------------------------------------------------------|----------------|-------|---|-----|--------------|----------------|--------|-----|
|              |                                                                                        |                | 1     | 3 |     |              |                | 12V    | 24V |
| LED Driver   | LNE<br>• High surge immunity<br>• IP65/IP67 Compliant<br>• LED lighting power solution | LNE-12V320WA□A | ●     |   | ●   | 270W         | 22.5A          | ●      |     |
|              |                                                                                        | LNE-12V320WB□A | ●     |   | ●   |              | 22.5A          | ●      |     |
|              |                                                                                        | LNE-12V320WD□A | ●     |   | ●   |              | 22.5A          | ●      |     |
|              |                                                                                        | LNE-24V320WA□A | ●     |   | ●   | 320W         | 13.4A          |        | ●   |
|              |                                                                                        | LNE-24V320WB□A | ●     |   | ●   |              | 13.4A          |        | ●   |
|              |                                                                                        | LNE-24V320WD□A | ●     |   | ●   |              | 13.4A          |        | ●   |
|              |                                                                                        | LNE-36V320WA□A | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNE-36V320WB□A | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNE-36V320WD□A | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNE-48V320WA□A | ●     |   | ●   |              | 6.7A           |        |     |
|              |                                                                                        | LNE-48V320WB□A | ●     |   | ●   |              | 6.7A           |        |     |
|              |                                                                                        | LNE-48V320WD□A | ●     |   | ●   |              | 6.7A           |        |     |
|              | LNV<br>• High input voltage<br>• IP65/IP67 Compliant<br>• LED lighting power solution  | LNV-12V320WAAA | ●     |   | ●   | 270W         | 22.5A          | ●      |     |
|              |                                                                                        | LNV-12V320WBAA | ●     |   | ●   |              | 22.5A          | ●      |     |
|              |                                                                                        | LNV-12V320WDAA | ●     |   | ●   |              | 22.5A          | ●      |     |
|              |                                                                                        | LNV-24V320WAAA | ●     |   | ●   | 320W         | 13.4A          |        | ●   |
|              |                                                                                        | LNV-24V320WBAA | ●     |   | ●   |              | 13.4A          |        | ●   |
|              |                                                                                        | LNV-24V320WDAA | ●     |   | ●   |              | 13.4A          |        | ●   |
|              |                                                                                        | LNV-36V320WAAA | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNV-36V320WBAA | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNV-36V320WDAA | ●     |   | ●   |              | 8.9A           |        |     |
|              |                                                                                        | LNV-48V320WAAA | ●     |   | ●   |              | 6.7A           |        |     |
|              |                                                                                        | LNV-48V320WBAA | ●     |   | ●   |              | 6.7A           |        |     |
|              |                                                                                        | LNV-48V320WDAA | ●     |   | ●   |              | 6.7A           |        |     |

### LNE LED Driver Model Numbering

| LN         | E –                                           | XXV            | XXXW         | □                                                                                                                                                                                                                 | □                                                                            | A                              |
|------------|-----------------------------------------------|----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------|
| LED Driver | Product Series<br>E - High efficiency and PFC | Output Voltage | Output Power | Package Type<br>A - IP65 with potentiometers to adjust output voltage & constant current level<br>B - IP67 without dimming cable & potentiometers<br>D - IP67 with dimming cable to adjust constant current level | Safety Approval<br>320W<br>A - UL approval<br>C - ENEC, CE, and CCC approval | Variable<br>A - Delta Standard |



| Voltage |     | Input Voltage Range        | IP | Dimming Cable | Safety Standards                                                                                                                                                                                                                                                                                                                                                                 | Page  |
|---------|-----|----------------------------|----|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 36V     | 48V |                            |    |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     | 90-305Vac (LNE-□V320W□AA)  | 65 |               | LNE-□V320W□AA: <br>LNE-□V320W□CA:    | 16-17 |
|         |     | 90-264Vac (LNE-□V320W□CA)  | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     | 180-528Vac (LNV-□V320W□AA) | 65 |               | LNV-□V320W□AA:                                                                                                                                                                                                                                                                                | 18    |
|         |     |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
| ●       |     |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 65 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 67 |               |                                                                                                                                                                                                                                                                                                                                                                                  |       |
|         | ●   |                            | 67 | ●             |                                                                                                                                                                                                                                                                                                                                                                                  |       |

## LNV LED Driver Model Numbering

| LN         | V –                                      | XXV            | XXXW         | □                                                                                                                                                                                                                 | A                                  | A                              |
|------------|------------------------------------------|----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|
| LED Driver | Product Series<br>V - High input voltage | Output Voltage | Output Power | Package Type<br>A - IP65 with potentiometers to adjust output voltage & constant current level<br>B - IP67 without dimming cable & potentiometers<br>D - IP67 with dimming cable to adjust constant current level | Safety Approval<br>A - UL approval | Variable<br>A - Delta Standard |

# LNE LED Driver

## 100W (North American AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 93.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |    | LNE-12V100W□AA                                                | LNE-24V100W□AA                                       | LNE-36V100W□AA                                                      | LNE-48V100W□AA                                       |
|-----------------------------------------------|----|---------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------|
| Nominal Output Voltage                        |    | 12V                                                           | 24V                                                  | 36V                                                                 | 48V                                                  |
| LED System Voltage Range in CC Mode           |    | 6-12Vdc                                                       | 12-24Vdc                                             | 18-36Vdc                                                            | 24-48Vdc                                             |
| Output Voltage Adjustment Range <sup>1)</sup> |    | 10.8-13.5V                                                    | 22.0-27.0V                                           | 33.0-40.0V                                                          | 43.0-53.0V                                           |
| Nominal Output Current                        |    | 8.0A                                                          | 4.0A                                                 | 2.65A                                                               | 2.0A                                                 |
| Output Current Adjustment Range <sup>1)</sup> |    | 4.0-8.0A                                                      | 2.0-4.0A                                             | 1.325-2.65A                                                         | 1.0-2.0A                                             |
| Output Power                                  |    | 96W                                                           | 96W                                                  | 95.4W                                                               | 96W                                                  |
| Line Regulation                               |    | ± 0.5% (@ 90-305Vac)                                          |                                                      |                                                                     |                                                      |
| Load Regulation (0-95% Load)                  |    | ± 2% (@ 90-305Vac)                                            | ± 1% (@ 90-305Vac)                                   | ± 0.5% (@ 90-305Vac)                                                |                                                      |
| PARD (20MHz)                                  |    | < 150mVpp                                                     |                                                      | < 200mVpp                                                           |                                                      |
| Hold-up Time                                  |    | 16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)              |                                                      |                                                                     |                                                      |
| INPUT                                         |    |                                                               |                                                      |                                                                     |                                                      |
| Input Voltage Range                           |    | 90-305Vac                                                     |                                                      |                                                                     |                                                      |
| Input Frequency                               |    | 47-63Hz                                                       |                                                      |                                                                     |                                                      |
| Input Current                                 |    | 1.30A max. @ 115Vac, 0.65A max. @ 230Vac, 0.60A max. @ 277Vac |                                                      |                                                                     |                                                      |
| Efficiency at 100% Load                       |    | 90.0% typ. @ 115Vac,<br>92.0% typ. @ 230Vac & 277Vac          | 92.0% typ. @ 115Vac,<br>93.0% typ. @ 230Vac & 277Vac | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac,<br>92.5% typ. @ 277Vac | 92.0% typ. @ 115Vac,<br>93.0% typ. @ 230Vac & 277Vac |
| Max Inrush Current (Cold Start)               |    | 65A typ. @ 230Vac                                             |                                                      |                                                                     |                                                      |
| Power Factor                                  |    | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac    |                                                      |                                                                     |                                                      |
| Leakage Current                               |    | < 0.75mA @ 305Vac                                             |                                                      |                                                                     |                                                      |
| MECHANICAL                                    |    |                                                               |                                                      |                                                                     |                                                      |
| Case Cover / Chassis                          |    | Aluminium                                                     |                                                      |                                                                     |                                                      |
| Dimensions (L x W x D)                        |    | 220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")                    |                                                      |                                                                     |                                                      |
| Unit Weight                                   |    | 0.98 kg (2.16 lb)                                             | 0.98 kg (2.16 lb)                                    | 0.98 kg (2.16 lb)                                                   | 0.98 kg (2.16 lb)                                    |
| Cooling System                                |    | Convection                                                    |                                                      |                                                                     |                                                      |
| Input Cable                                   | UL | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)  |                                                      |                                                                     |                                                      |
| Output Cable                                  | UL | SJTW 14AWGX2C (Positive: Red, Negative: Black)                |                                                      |                                                                     |                                                      |
| Dimming Cable                                 | UL | SJTW 18AWGX2C (Positive: White, Negative: Blue)               |                                                      |                                                                     |                                                      |
| MTBF <sup>2)</sup>                            |    | > 700,000 hrs                                                 | > 700,000 hrs                                        | > 700,000 hrs                                                       | > 700,000 hrs                                        |
| ENVIRONMENT                                   |    |                                                               |                                                      |                                                                     |                                                      |
| Operating Temperature                         |    | -40°C to +70°C                                                |                                                      |                                                                     |                                                      |
| Storage Temperature                           |    | -40°C to +85°C                                                |                                                      |                                                                     |                                                      |
| Power De-rating                               |    | > 60°C (4% / °C)                                              |                                                      |                                                                     |                                                      |
| Operating Humidity                            |    | 5 to 95% RH (Non-Condensing)                                  |                                                      |                                                                     |                                                      |
| Operating Altitude                            |    | 0 to 3,000m (0 to 9,840 ft)                                   |                                                      |                                                                     |                                                      |
| Degree of Protection                          |    | IP65 (LNE-□□□WA□A)<br>IP67 (LNE-□□□WD□A)                      |                                                      |                                                                     |                                                      |

#### Notes

1) For LNE-□□□W□□A package type only.

2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 100W (International AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 93.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |     | LNE-12V100W□□A                                                             | LNE-24V100W□□A                              | LNE-36V100W□□A                              | LNE-48V100W□□A                              |
|-----------------------------------------------|-----|----------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Nominal Output Voltage                        |     | 12V                                                                        | 24V                                         | 36V                                         | 48V                                         |
| LED System Voltage Range in CC Mode           |     | 6-12Vdc                                                                    | 12-24Vdc                                    | 18-36Vdc                                    | 24-48Vdc                                    |
| Output Voltage Adjustment Range <sup>1)</sup> |     | 10.8-13.5V                                                                 | 22.0-27.0V                                  | 33.0-40.0V                                  | 43.0-53.0V                                  |
| Nominal Output Current                        |     | 8.0A                                                                       | 4.0A                                        | 2.65A                                       | 2.0A                                        |
| Output Current Adjustment Range <sup>1)</sup> |     | 4.0-8.0A                                                                   | 2.0-4.0A                                    | 1.325-2.65A                                 | 1.0-2.0A                                    |
| Output Power                                  |     | 96W                                                                        | 96W                                         | 95.4W                                       | 96W                                         |
| Line Regulation                               |     | ± 0.5% (@ 90-264Vac)                                                       |                                             |                                             |                                             |
| Load Regulation (0-95% Load)                  |     | ± 2% (@ 90-264Vac)                                                         | ± 1% (@ 90-264Vac)                          | ± 0.5% (@ 90-264Vac)                        |                                             |
| PARD (20MHz)                                  |     | < 150mVpp                                                                  |                                             | < 200mVpp                                   |                                             |
| Hold-up Time                                  |     | 16ms typ. @ 115Vac & 230Vac (100% load)                                    |                                             |                                             |                                             |
| INPUT                                         |     |                                                                            |                                             |                                             |                                             |
| Input Voltage Range                           |     | 90-264Vac                                                                  |                                             |                                             |                                             |
| Input Frequency                               |     | 47-63Hz                                                                    |                                             |                                             |                                             |
| Input Current                                 |     | 1.30A max. @ 115Vac, 0.65A max. @ 230Vac                                   |                                             |                                             |                                             |
| Efficiency at 100% Load                       |     | 90.0% typ. @ 115Vac,<br>92.0% typ. @ 230Vac                                | 92.0% typ. @ 115Vac,<br>93.0% typ. @ 230Vac | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac | 92.0% typ. @ 115Vac,<br>93.0% typ. @ 230Vac |
| Max Inrush Current (Cold Start)               |     | 65A typ. @ 230Vac                                                          |                                             |                                             |                                             |
| Power Factor                                  |     | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac                                     |                                             |                                             |                                             |
| Leakage Current                               |     | < 0.75mA @ 264Vac                                                          |                                             |                                             |                                             |
| MECHANICAL                                    |     |                                                                            |                                             |                                             |                                             |
| Case Cover / Chassis                          |     | Aluminium                                                                  |                                             |                                             |                                             |
| Dimensions (L x W x D)                        |     | 220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")                                 |                                             |                                             |                                             |
| Unit Weight                                   |     | 0.98 kg (2.16 lb)                                                          | 0.98 kg (2.16 lb)                           | 0.98 kg (2.16 lb)                           | 0.98 kg (2.16 lb)                           |
| Cooling System                                |     | Convection                                                                 |                                             |                                             |                                             |
| Input Cable                                   | VDE | H05RN-F3G1.0mm <sup>2</sup> (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                             |                                             |                                             |
| Output Cable                                  | VDE | H07RN-F2x1.5mm <sup>2</sup> (Positive: Red, Negative: Black)               |                                             |                                             |                                             |
| Dimming Cable                                 | VDE | H05RN-F2x1.0mm <sup>2</sup> (Positive: White, Negative: Blue)              |                                             |                                             |                                             |
| MTBF <sup>2)</sup>                            |     | > 700,000 hrs                                                              | > 700,000 hrs                               | > 700,000 hrs                               | > 700,000 hrs                               |
| ENVIRONMENT                                   |     |                                                                            |                                             |                                             |                                             |
| Operating Temperature                         |     | -40°C to +70°C                                                             |                                             |                                             |                                             |
| Storage Temperature                           |     | -40°C to +85°C                                                             |                                             |                                             |                                             |
| Power De-rating                               |     | > 60°C (4% / °C)                                                           |                                             |                                             |                                             |
| Operating Humidity                            |     | 5 to 95% RH (Non-Condensing)                                               |                                             |                                             |                                             |
| Operating Altitude                            |     | 0 to 3,000m (0 to 9,840 ft)                                                |                                             |                                             |                                             |
| Degree of Protection                          |     | IP65 (LNE-□V□W□□A)<br>IP67 (LNE-□V□WD□□A)                                  |                                             |                                             |                                             |

#### Notes

- 1) For LNE-□□□W□□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 120W (North American AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |    | LNE-12V120W□AA                                                | LNE-24V120W□AA                                       | LNE-36V120W□AA       | LNE-48V120W□AA                                       |
|-----------------------------------------------|----|---------------------------------------------------------------|------------------------------------------------------|----------------------|------------------------------------------------------|
| Nominal Output Voltage                        |    | 12V                                                           | 24V                                                  | 36V                  | 48V                                                  |
| LED System Voltage Range in CC Mode           |    | 6-12Vdc                                                       | 12-24Vdc                                             | 18-36Vdc             | 24-48Vdc                                             |
| Output Voltage Adjustment Range <sup>1)</sup> |    | 10.8-13.5V                                                    | 22.0-27.0V                                           | 33.0-40.0V           | 43.0-53.0V                                           |
| Nominal Output Current                        |    | 10.0A                                                         | 5.0A                                                 | 3.4A                 | 2.5A                                                 |
| Output Current Adjustment Range <sup>1)</sup> |    | 5.0-10.0A                                                     | 2.5-5.0A                                             | 1.7-3.4A             | 1.25-2.5A                                            |
| Output Power                                  |    | 120W                                                          | 120W                                                 | 122.4W               | 120W                                                 |
| Line Regulation                               |    | ± 0.5% (@ 90-305Vac)                                          |                                                      |                      |                                                      |
| Load Regulation (0-95% Load)                  |    | ± 2% (@ 90-305Vac)                                            | ± 1% (@ 90-305Vac)                                   | ± 0.5% (@ 90-305Vac) |                                                      |
| PARD (20MHz)                                  |    | < 150mVpp                                                     |                                                      | < 200mVpp            |                                                      |
| Hold-up Time                                  |    | 16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)              |                                                      |                      |                                                      |
| INPUT                                         |    |                                                               |                                                      |                      |                                                      |
| Input Voltage Range                           |    | 90-305Vac                                                     |                                                      |                      |                                                      |
| Input Frequency                               |    | 47-63Hz                                                       |                                                      |                      |                                                      |
| Input Current                                 |    | 1.50A max. @ 115Vac, 0.70A max. @ 230Vac, 0.65A max. @ 277Vac |                                                      |                      |                                                      |
| Efficiency at 100% Load                       |    | 90.0% typ. @ 115Vac,<br>92.0% typ. @ 230Vac & 277Vac          | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac & 277Vac |                      | 92.0% typ. @ 115Vac,<br>93.5% typ. @ 230Vac & 277Vac |
| Max Inrush Current (Cold Start)               |    | 65A typ. @ 230Vac                                             |                                                      |                      |                                                      |
| Power Factor                                  |    | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac    |                                                      |                      |                                                      |
| Leakage Current                               |    | < 0.75mA @ 305Vac                                             |                                                      |                      |                                                      |
| MECHANICAL                                    |    |                                                               |                                                      |                      |                                                      |
| Case Cover / Chassis                          |    | Aluminium                                                     |                                                      |                      |                                                      |
| Dimensions (L x W x D)                        |    | 220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")                    |                                                      |                      |                                                      |
| Unit Weight                                   |    | 0.98 kg (2.16 lb)                                             | 0.98 kg (2.16 lb)                                    | 0.98 kg (2.16 lb)    | 0.98 kg (2.16 lb)                                    |
| Cooling System                                |    | Convection                                                    |                                                      |                      |                                                      |
| Input Cable                                   | UL | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)  |                                                      |                      |                                                      |
| Output Cable                                  | UL | SJTW 14AWGX2C (Positive: Red, Negative: Black)                |                                                      |                      |                                                      |
| Dimming Cable                                 | UL | SJTW 18AWGX2C (Positive: White, Negative: Blue)               |                                                      |                      |                                                      |
| MTBF <sup>2)</sup>                            |    | > 700,000 hrs                                                 | > 700,000 hrs                                        | > 700,000 hrs        | > 700,000 hrs                                        |
| ENVIRONMENT                                   |    |                                                               |                                                      |                      |                                                      |
| Operating Temperature                         |    | -40°C to +70°C                                                |                                                      |                      |                                                      |
| Storage Temperature                           |    | -40°C to +85°C                                                |                                                      |                      |                                                      |
| Power De-rating                               |    | > 60°C (4% / °C)                                              |                                                      |                      |                                                      |
| Operating Humidity                            |    | 5 to 95% RH (Non-Condensing)                                  |                                                      |                      |                                                      |
| Operating Altitude                            |    | 0 to 3,000m (0 to 9,840 ft)                                   |                                                      |                      |                                                      |
| Degree of Protection                          |    | IP65 (LNE-□□□WA□A)<br>IP67 (LNE-□□□WD□A)                      |                                                      |                      |                                                      |

#### Notes

- 1) For LNE-□□□W□□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 120W (International AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |     | LNE-12V120W□□A                                                             | LNE-24V120W□□A                              | LNE-36V120W□□A       | LNE-48V120W□□A                              |
|-----------------------------------------------|-----|----------------------------------------------------------------------------|---------------------------------------------|----------------------|---------------------------------------------|
| Nominal Output Voltage                        |     | 12V                                                                        | 24V                                         | 36V                  | 48V                                         |
| LED System Voltage Range in CC Mode           |     | 6-12Vdc                                                                    | 12-24Vdc                                    | 18-36Vdc             | 24-48Vdc                                    |
| Output Voltage Adjustment Range <sup>1)</sup> |     | 10.8-13.5V                                                                 | 22.0-27.0V                                  | 33.0-40.0V           | 43.0-53.0V                                  |
| Nominal Output Current                        |     | 10.0A                                                                      | 5.0A                                        | 3.4A                 | 2.5A                                        |
| Output Current Adjustment Range <sup>1)</sup> |     | 5.0-10.0A                                                                  | 2.5-5.0A                                    | 1.7-3.4A             | 1.25-2.5A                                   |
| Output Power                                  |     | 120W                                                                       | 120W                                        | 122.4W               | 120W                                        |
| Line Regulation                               |     | ± 0.5% (@ 90-264Vac)                                                       |                                             |                      |                                             |
| Load Regulation (0-95% Load)                  |     | ± 2% (@ 90-264Vac)                                                         | ± 1% (@ 90-264Vac)                          | ± 0.5% (@ 90-264Vac) |                                             |
| PARD (20MHz)                                  |     | < 150mVpp                                                                  |                                             | < 200mVpp            |                                             |
| Hold-up Time                                  |     | 16ms typ. @ 115Vac & 230Vac (100% load)                                    |                                             |                      |                                             |
| INPUT                                         |     |                                                                            |                                             |                      |                                             |
| Input Voltage Range                           |     | 90-264Vac                                                                  |                                             |                      |                                             |
| Input Frequency                               |     | 47-63Hz                                                                    |                                             |                      |                                             |
| Input Current                                 |     | 1.50A max. @ 115Vac, 0.70A max. @ 230Vac                                   |                                             |                      |                                             |
| Efficiency at 100% Load                       |     | 90.0% typ. @ 115Vac,<br>92.0% typ. @ 230Vac                                | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac |                      | 92.0% typ. @ 115Vac,<br>93.5% typ. @ 230Vac |
| Max Inrush Current (Cold Start)               |     | 65A typ. @ 230Vac                                                          |                                             |                      |                                             |
| Power Factor                                  |     | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac                                     |                                             |                      |                                             |
| Leakage Current                               |     | < 0.75mA @ 264Vac                                                          |                                             |                      |                                             |
| MECHANICAL                                    |     |                                                                            |                                             |                      |                                             |
| Case Cover / Chassis                          |     | Aluminium                                                                  |                                             |                      |                                             |
| Dimensions (L x W x D)                        |     | 220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")                                 |                                             |                      |                                             |
| Unit Weight                                   |     | 0.98 kg (2.16 lb)                                                          | 0.98 kg (2.16 lb)                           | 0.98 kg (2.16 lb)    | 0.98 kg (2.16 lb)                           |
| Cooling System                                |     | Convection                                                                 |                                             |                      |                                             |
| Input Cable                                   | VDE | H05RN-F3G1.0mm <sup>2</sup> (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                             |                      |                                             |
| Output Cable                                  | VDE | H07RN-F2x1.5mm <sup>2</sup> (Positive: Red, Negative: Black)               |                                             |                      |                                             |
| Dimming Cable                                 | VDE | H05RN-F2x1.0mm <sup>2</sup> (Positive: White, Negative: Blue)              |                                             |                      |                                             |
| MTBF <sup>2)</sup>                            |     | > 700,000 hrs                                                              | > 700,000 hrs                               | > 700,000 hrs        | > 700,000 hrs                               |
| ENVIRONMENT                                   |     |                                                                            |                                             |                      |                                             |
| Operating Temperature                         |     | -40°C to +70°C                                                             |                                             |                      |                                             |
| Storage Temperature                           |     | -40°C to +85°C                                                             |                                             |                      |                                             |
| Power De-rating                               |     | > 60°C (4% / °C)                                                           |                                             |                      |                                             |
| Operating Humidity                            |     | 5 to 95% RH (Non-Condensing)                                               |                                             |                      |                                             |
| Operating Altitude                            |     | 0 to 3,000m (0 to 9,840 ft)                                                |                                             |                      |                                             |
| Degree of Protection                          |     | IP65 (LNE-□V□W□□A)<br>IP67 (LNE-□V□WD□□A)                                  |                                             |                      |                                             |

#### Notes

- 1) For LNE-□□□W□□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 150W (North American AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        | LNE-12V150W□AA                                                      | LNE-24V150W□AA                                               | LNE-36V150W□AA                                                      | LNE-48V150W□AA                                       | LNE-54V150W□AA    |
|-----------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------|-------------------|
| Nominal Output Voltage                        | 12V                                                                 | 24V                                                          | 36V                                                                 | 48V                                                  | 54V               |
| LED System Voltage Range in CC Mode           | 6-12Vdc                                                             | 12-24Vdc                                                     | 18-36Vdc                                                            | 24-48Vdc                                             | 24-54Vdc          |
| Output Voltage Adjustment Range <sup>1)</sup> | 10.8-13.5V                                                          | 22.0-27.0V                                                   | 33.0-40.0V                                                          | 43.0-53.0V                                           | 49.0-58.0V        |
| Nominal Output Current                        | 12.5A                                                               | 6.3A                                                         | 4.2A                                                                | 3.2A                                                 | 2.8A              |
| Output Current Adjustment Range <sup>1)</sup> | 6.25-12.5A                                                          | 3.15-6.3A                                                    | 2.1-4.2A                                                            | 1.6-3.2A                                             | 1.4-2.8A          |
| Output Power                                  | 150W                                                                | 151.2W                                                       | 151.2W                                                              | 153.6W                                               | 151.2W            |
| Line Regulation                               | ± 0.5% (@ 90-305Vac)                                                |                                                              |                                                                     |                                                      |                   |
| Load Regulation (0-95% Load)                  | ± 2% (@ 90-305Vac)                                                  | ± 1% (@ 90-305Vac)                                           |                                                                     | ± 0.5% (@ 90-305Vac)                                 |                   |
| PARD (20MHz)                                  | < 150mVpp                                                           |                                                              | < 200mVpp                                                           |                                                      |                   |
| Hold-up Time                                  | 16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)                    |                                                              |                                                                     |                                                      |                   |
| INPUT                                         |                                                                     |                                                              |                                                                     |                                                      |                   |
| Input Voltage Range                           | 90-305Vac                                                           |                                                              |                                                                     |                                                      |                   |
| Input Frequency                               | 47-63Hz                                                             |                                                              |                                                                     |                                                      |                   |
| Input Current                                 | 1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac       |                                                              |                                                                     |                                                      |                   |
| Efficiency at 100% Load                       | 89.0% typ. @ 115Vac,<br>91.5% typ. @ 230Vac,<br>91.0% typ. @ 277Vac | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac &<br>277Vac      | 91.0% typ. @ 115Vac,<br>93.5% typ. @ 230Vac,<br>93.0% typ. @ 277Vac | 91.5% typ. @ 115Vac,<br>94.0% typ. @ 230Vac & 277Vac |                   |
| Max Inrush Current (Cold Start)               | 65A typ. @ 230Vac                                                   |                                                              |                                                                     |                                                      |                   |
| Power Factor                                  | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac          |                                                              |                                                                     |                                                      |                   |
| Leakage Current                               | < 0.75mA @ 305Vac                                                   |                                                              |                                                                     |                                                      |                   |
| MECHANICAL                                    |                                                                     |                                                              |                                                                     |                                                      |                   |
| Case Cover / Chassis                          | Aluminium                                                           |                                                              |                                                                     |                                                      |                   |
| Dimensions (L x W x D)                        | 228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")                          |                                                              |                                                                     |                                                      |                   |
| Unit Weight                                   | 1.04 kg (2.29 lb)                                                   | 1.04 kg (2.29 lb)                                            | 1.04 kg (2.29 lb)                                                   | 1.04 kg (2.29 lb)                                    | 1.04 kg (2.29 lb) |
| Cooling System                                | Convection                                                          |                                                              |                                                                     |                                                      |                   |
| Input Cable                                   | UL                                                                  | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                                                     |                                                      |                   |
| Output Cable                                  | UL                                                                  | SJTW 14AWGX2C (Positive: Red, Negative: Black)               |                                                                     |                                                      |                   |
| Dimming Cable                                 | UL                                                                  | SJTW 18AWGX2C (Positive: White, Negative: Blue)              |                                                                     |                                                      |                   |
| MTBF <sup>2)</sup>                            | > 700,000 hrs                                                       | > 700,000 hrs                                                | > 700,000 hrs                                                       | > 700,000 hrs                                        | > 700,000 hrs     |
| ENVIRONMENT                                   |                                                                     |                                                              |                                                                     |                                                      |                   |
| Operating Temperature                         | -40°C to +70°C                                                      |                                                              |                                                                     |                                                      |                   |
| Storage Temperature                           | -40°C to +85°C                                                      |                                                              |                                                                     |                                                      |                   |
| Power De-rating                               | > 60°C (4% / °C)                                                    |                                                              |                                                                     |                                                      |                   |
| Operating Humidity                            | 5 to 95% RH (Non-Condensing)                                        |                                                              |                                                                     |                                                      |                   |
| Operating Altitude                            | 0 to 3,000m (0 to 9,840 ft)                                         |                                                              |                                                                     |                                                      |                   |
| Degree of Protection                          | IP65 (LNE-□□□WA□A)<br>IP67 (LNE-□□□WD□A)                            |                                                              |                                                                     |                                                      |                   |

#### Notes

- 1) For LNE-□□□WA□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



# LNE LED Driver

## 150W (International AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |     | LNE-12V150W□CA                                                             | LNE-24V150W□CA                              | LNE-36V150W□CA                              | LNE-48V150W□CA                              | LNE-54V150W□CA    |
|-----------------------------------------------|-----|----------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|-------------------|
| Nominal Output Voltage                        |     | 12V                                                                        | 24V                                         | 36V                                         | 48V                                         | 54V               |
| LED System Voltage Range in CC Mode           |     | 6-12Vdc                                                                    | 12-24Vdc                                    | 18-36Vdc                                    | 24-48Vdc                                    | 24-54Vdc          |
| Output Voltage Adjustment Range <sup>1)</sup> |     | 10.8-13.5V                                                                 | 22.0-27.0V                                  | 33.0-40.0V                                  | 43.0-53.0V                                  | 49.0-58.0V        |
| Nominal Output Current                        |     | 12.5A                                                                      | 6.3A                                        | 4.2A                                        | 3.2A                                        | 2.8A              |
| Output Current Adjustment Range <sup>1)</sup> |     | 6.25-12.5A                                                                 | 3.15-6.3A                                   | 2.1-4.2A                                    | 1.6-3.2A                                    | 1.4-2.8A          |
| Output Power                                  |     | 150W                                                                       | 151.2W                                      | 151.2W                                      | 153.6W                                      | 151.2W            |
| Line Regulation                               |     | ± 0.5% (@ 90-264Vac)                                                       |                                             |                                             |                                             |                   |
| Load Regulation (0-95% Load)                  |     | ± 2% (@ 90-264Vac)                                                         | ± 1% (@ 90-264Vac)                          |                                             | ± 0.5% (@ 90-264Vac)                        |                   |
| PARD (20MHz)                                  |     | < 150mVpp                                                                  |                                             | < 200mVpp                                   |                                             |                   |
| Hold-up Time                                  |     | 16ms typ. @ 115Vac & 230Vac (100% load)                                    |                                             |                                             |                                             |                   |
| INPUT                                         |     |                                                                            |                                             |                                             |                                             |                   |
| Input Voltage Range                           |     | 90-264Vac                                                                  |                                             |                                             |                                             |                   |
| Input Frequency                               |     | 47-63Hz                                                                    |                                             |                                             |                                             |                   |
| Input Current                                 |     | 1.80A max. @ 115Vac, 0.85A max. @ 230Vac                                   |                                             |                                             |                                             |                   |
| Efficiency at 100% Load                       |     | 89.0% typ. @ 115Vac,<br>91.5% typ. @ 230Vac                                | 91.5% typ. @ 115Vac,<br>93.0% typ. @ 230Vac | 91.0% typ. @ 115Vac,<br>93.5% typ. @ 230Vac | 91.5% typ. @ 115Vac,<br>94.0% typ. @ 230Vac |                   |
| Max Inrush Current (Cold Start)               |     | 65A typ. @ 230Vac                                                          |                                             |                                             |                                             |                   |
| Power Factor                                  |     | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac                                     |                                             |                                             |                                             |                   |
| Leakage Current                               |     | < 0.75mA @ 264Vac                                                          |                                             |                                             |                                             |                   |
| MECHANICAL                                    |     |                                                                            |                                             |                                             |                                             |                   |
| Case Cover / Chassis                          |     | Aluminium                                                                  |                                             |                                             |                                             |                   |
| Dimensions (L x W x D)                        |     | 228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")                                 |                                             |                                             |                                             |                   |
| Unit Weight                                   |     | 1.04 kg (2.29 lb)                                                          | 1.04 kg (2.29 lb)                           | 1.04 kg (2.29 lb)                           | 1.04 kg (2.29 lb)                           | 1.04 kg (2.29 lb) |
| Cooling System                                |     | Convection                                                                 |                                             |                                             |                                             |                   |
| Input Cable                                   | VDE | H05RN-F3G1.0mm <sup>2</sup> (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                             |                                             |                                             |                   |
| Output Cable                                  | VDE | H07RN-F2x1.5mm <sup>2</sup> (Positive: Red, Negative: Black)               |                                             |                                             |                                             |                   |
| Dimming Cable                                 | VDE | H05RN-F2x1.0mm <sup>2</sup> (Positive: White, Negative: Blue)              |                                             |                                             |                                             |                   |
| MTBF <sup>2)</sup>                            |     | > 700,000 hrs                                                              | > 700,000 hrs                               | > 700,000 hrs                               | > 700,000 hrs                               | > 700,000 hrs     |
| ENVIRONMENT                                   |     |                                                                            |                                             |                                             |                                             |                   |
| Operating Temperature                         |     | -40°C to +70°C                                                             |                                             |                                             |                                             |                   |
| Storage Temperature                           |     | -40°C to +85°C                                                             |                                             |                                             |                                             |                   |
| Power De-rating                               |     | > 60°C (4% / °C)                                                           |                                             |                                             |                                             |                   |
| Operating Humidity                            |     | 5 to 95% RH (Non-Condensing)                                               |                                             |                                             |                                             |                   |
| Operating Altitude                            |     | 0 to 3,000m (0 to 9,840 ft)                                                |                                             |                                             |                                             |                   |
| Degree of Protection                          |     | IP65 (LNE-□V□WA□A)<br>IP67 (LNE-□V□WD□A)                                   |                                             |                                             |                                             |                   |

#### Notes

- 1) For LNE-□□□W□□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



# LNE LED Driver

## 185W (North American AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |    | LNE-12V185W□AA                                                      | LNE-24V185W□AA                                                | LNE-36V185W□AA    | LNE-48V185W□AA                                       | LNE-54V185W□AA    |
|-----------------------------------------------|----|---------------------------------------------------------------------|---------------------------------------------------------------|-------------------|------------------------------------------------------|-------------------|
| Nominal Output Voltage                        |    | 12V                                                                 | 24V                                                           | 36V               | 48V                                                  | 54V               |
| LED System Voltage Range in CC Mode           |    | 6-12Vdc                                                             | 12-24Vdc                                                      | 18-36Vdc          | 24-48Vdc                                             | 24-54Vdc          |
| Output Voltage Adjustment Range <sup>1)</sup> |    | 10.8-13.5V                                                          | 22.0-27.0V                                                    | 33.0-40.0V        | 43.0-53.0V                                           | 49.0-58.0V        |
| Nominal Output Current                        |    | 13.0A                                                               | 7.8A                                                          | 5.2A              | 3.9A                                                 | 3.45A             |
| Output Current Adjustment Range <sup>1)</sup> |    | 6.5-13.0A                                                           | 3.9-7.8A                                                      | 2.6-5.2A          | 1.95-3.9A                                            | 1.725-3.45A       |
| Output Power                                  |    | 156W                                                                | 187.2W                                                        | 187.2W            | 187.2W                                               | 186.3W            |
| Line Regulation                               |    | ± 0.5% (@ 90-305Vac)                                                |                                                               |                   |                                                      |                   |
| Load Regulation (0-95% Load)                  |    | ± 2% (@ 90-305Vac)                                                  | ± 1% (@ 90-305Vac)                                            |                   | ± 0.5% (@ 90-305Vac)                                 |                   |
| PARD (20MHz)                                  |    | < 150mVpp                                                           |                                                               |                   | < 200mVpp                                            |                   |
| Hold-up Time                                  |    | 16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)                    |                                                               |                   |                                                      |                   |
| INPUT                                         |    |                                                                     |                                                               |                   |                                                      |                   |
| Input Voltage Range                           |    | 90-305Vac                                                           |                                                               |                   |                                                      |                   |
| Input Frequency                               |    | 47-63Hz                                                             |                                                               |                   |                                                      |                   |
| Input Current                                 |    | 1.90A max. @ 115Vac,<br>0.90A max. @ 230Vac,<br>0.80A max. @ 277Vac | 2.20A max. @ 115Vac, 1.00A max. @ 230Vac, 0.90A max. @ 277Vac |                   |                                                      |                   |
| Efficiency at 100% Load                       |    | 89.0% typ. @ 115Vac,<br>91.5% typ. @ 230Vac & 277Vac                | 91.0% typ. @ 115Vac,<br>93.5% typ. @ 230Vac & 277Vac          |                   | 91.5% typ. @ 115Vac,<br>94.0% typ. @ 230Vac & 277Vac |                   |
| Max Inrush Current (Cold Start)               |    | 65A typ. @ 230Vac                                                   |                                                               |                   |                                                      |                   |
| Power Factor                                  |    | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac          |                                                               |                   |                                                      |                   |
| Leakage Current                               |    | < 0.75mA @ 305Vac                                                   |                                                               |                   |                                                      |                   |
| MECHANICAL                                    |    |                                                                     |                                                               |                   |                                                      |                   |
| Case Cover / Chassis                          |    | Aluminium                                                           |                                                               |                   |                                                      |                   |
| Dimensions (L x W x D)                        |    | 228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")                          |                                                               |                   |                                                      |                   |
| Unit Weight                                   |    | 1.04 kg (2.29 lb)                                                   | 1.04 kg (2.29 lb)                                             | 1.04 kg (2.29 lb) | 1.04 kg (2.29 lb)                                    | 1.04 kg (2.29 lb) |
| Cooling System                                |    | Convection                                                          |                                                               |                   |                                                      |                   |
| Input Cable                                   | UL | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)        |                                                               |                   |                                                      |                   |
| Output Cable                                  | UL | SJTW 14AWGX2C (Positive: Red, Negative: Black)                      |                                                               |                   |                                                      |                   |
| Dimming Cable                                 | UL | SJTW 18AWGX2C (Positive: White, Negative: Blue)                     |                                                               |                   |                                                      |                   |
| MTBF <sup>2)</sup>                            |    | > 700,000 hrs                                                       | > 700,000 hrs                                                 | > 700,000 hrs     | > 700,000 hrs                                        | > 700,000 hrs     |
| ENVIRONMENT                                   |    |                                                                     |                                                               |                   |                                                      |                   |
| Operating Temperature                         |    | -40°C to +70°C                                                      |                                                               |                   |                                                      |                   |
| Storage Temperature                           |    | -40°C to +85°C                                                      |                                                               |                   |                                                      |                   |
| Power De-rating                               |    | > 60°C (4% / °C)                                                    |                                                               |                   |                                                      |                   |
| Operating Humidity                            |    | 5 to 95% RH (Non-Condensing)                                        |                                                               |                   |                                                      |                   |
| Operating Altitude                            |    | 0 to 3,000m (0 to 9,840 ft)                                         |                                                               |                   |                                                      |                   |
| Degree of Protection                          |    | IP65 (LNE-□□□□□□□□); IP67 (LNE-□□□□□□□□)                            |                                                               |                   |                                                      |                   |

#### Notes

- 1) For LNE-□□□□□□□□ package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 185W (International AC Voltage)

### Package Type



A



D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |     | LNE-12V185W□CA                                                             | LNE-24V185W□CA                           | LNE-36V185W□CA    | LNE-48V185W□CA                           | LNE-54V185W□CA    |
|-----------------------------------------------|-----|----------------------------------------------------------------------------|------------------------------------------|-------------------|------------------------------------------|-------------------|
| Nominal Output Voltage                        |     | 12V                                                                        | 24V                                      | 36V               | 48V                                      | 54V               |
| LED System Voltage Range in CC Mode           |     | 6-12Vdc                                                                    | 12-24Vdc                                 | 18-36Vdc          | 24-48Vdc                                 | 24-54Vdc          |
| Output Voltage Adjustment Range <sup>1)</sup> |     | 10.8-13.5V                                                                 | 22.0-27.0V                               | 33.0-40.0V        | 43.0-53.0V                               | 49.0-58.0V        |
| Nominal Output Current                        |     | 13.0A                                                                      | 7.8A                                     | 5.2A              | 3.9A                                     | 3.45A             |
| Output Current Adjustment Range <sup>1)</sup> |     | 6.5-13.0A                                                                  | 3.9-7.8A                                 | 2.6-5.2A          | 1.95-3.9A                                | 1.725-3.45A       |
| Output Power                                  |     | 156W                                                                       | 187.2W                                   | 187.2W            | 187.2W                                   | 186.3W            |
| Line Regulation                               |     | ± 0.5% (@ 90-264Vac)                                                       |                                          |                   |                                          |                   |
| Load Regulation (0-95% Load)                  |     | ± 2% (@ 90-264Vac)                                                         | ± 1% (@ 90-264Vac)                       |                   | ± 0.5% (@ 90-264Vac)                     |                   |
| PARD (20MHZ)                                  |     | < 150mVpp                                                                  |                                          | < 200mVpp         |                                          |                   |
| Hold-up Time                                  |     | 16ms typ. @ 115Vac & 230Vac (100% load)                                    |                                          |                   |                                          |                   |
| INPUT                                         |     |                                                                            |                                          |                   |                                          |                   |
| Input Voltage Range                           |     | 90-264Vac                                                                  |                                          |                   |                                          |                   |
| Input Frequency                               |     | 47-63Hz                                                                    |                                          |                   |                                          |                   |
| Input Current                                 |     | 1.90A max. @ 115Vac, 0.90A max. @ 230Vac                                   | 2.20A max. @ 115Vac, 1.00A max. @ 230Vac |                   |                                          |                   |
| Efficiency at 100% Load                       |     | 89.0% typ. @ 115Vac, 91.5% typ. @ 230Vac                                   | 91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac |                   | 91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac |                   |
| Max Inrush Current (Cold Start)               |     | 65A typ. @ 230Vac                                                          |                                          |                   |                                          |                   |
| Power Factor                                  |     | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac                                     |                                          |                   |                                          |                   |
| Leakage Current                               |     | < 0.75mA @ 264Vac                                                          |                                          |                   |                                          |                   |
| MECHANICAL                                    |     |                                                                            |                                          |                   |                                          |                   |
| Case Cover / Chassis                          |     | Aluminium                                                                  |                                          |                   |                                          |                   |
| Dimensions (L x W x D)                        |     | 228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")                                 |                                          |                   |                                          |                   |
| Unit Weight                                   |     | 1.04 kg (2.29 lb)                                                          | 1.04 kg (2.29 lb)                        | 1.04 kg (2.29 lb) | 1.04 kg (2.29 lb)                        | 1.04 kg (2.29 lb) |
| Cooling System                                |     | Convection                                                                 |                                          |                   |                                          |                   |
| Input Cable                                   | VDE | H05RN-F3G1.0mm <sup>2</sup> (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                          |                   |                                          |                   |
| Output Cable                                  | VDE | H07RN-F2x1.5mm <sup>2</sup> (Positive: Red, Negative: Black)               |                                          |                   |                                          |                   |
| Dimming Cable                                 | VDE | H05RN-F2x1.0mm <sup>2</sup> (Positive: White, Negative: Blue)              |                                          |                   |                                          |                   |
| MTBF <sup>2)</sup>                            |     | > 700,000 hrs                                                              | > 700,000 hrs                            | > 700,000 hrs     | > 700,000 hrs                            | > 700,000 hrs     |
| ENVIRONMENT                                   |     |                                                                            |                                          |                   |                                          |                   |
| Operating Temperature                         |     | -40°C to +70°C                                                             |                                          |                   |                                          |                   |
| Storage Temperature                           |     | -40°C to +85°C                                                             |                                          |                   |                                          |                   |
| Power De-rating                               |     | > 60°C (4% / °C)                                                           |                                          |                   |                                          |                   |
| Operating Humidity                            |     | 5 to 95% RH (Non-Condensing)                                               |                                          |                   |                                          |                   |
| Operating Altitude                            |     | 0 to 3,000m (0 to 9,840 ft)                                                |                                          |                   |                                          |                   |
| Degree of Protection                          |     | IP65 (LNE-□□□W□□□); IP67 (LNE-□□□WD□□)                                     |                                          |                   |                                          |                   |

#### Notes

- 1) For LNE-□□□□□□□□ package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# LNE LED Driver

## 320W (North American AC Voltage)

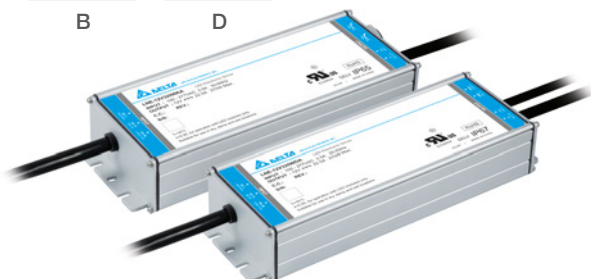
### Package Type



A

B

D



# LNE

### HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 94.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |    | LNE-12V320W□AA                                                      | LNE-24V320W□AA                                                      | LNE-36V320W□AA                                                      | LNE-48V320W□AA                                                      |
|-----------------------------------------------|----|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Nominal Output Voltage                        |    | 12Vdc                                                               | 24Vdc                                                               | 36Vdc                                                               | 48Vdc                                                               |
| LED System Voltage Range in CC Mode           |    | 6-12Vdc                                                             | 12-24Vdc                                                            | 18-36Vdc                                                            | 24-48Vdc                                                            |
| Output Voltage Adjustment Range <sup>1)</sup> |    | 10.8-13.5V                                                          | 22.0-27.0V                                                          | 33.0-40.0V                                                          | 43.0-53.0V                                                          |
| Nominal Output Current                        |    | 22.5A                                                               | 13.4A                                                               | 8.9A                                                                | 6.7A                                                                |
| Output Current Adjustment Range <sup>1)</sup> |    | 11.25-22.5A                                                         | 6.67-13.4A                                                          | 4.45-8.9A                                                           | 3.35-6.7A                                                           |
| Output Power                                  |    | 270W                                                                | 320W                                                                | 320W                                                                | 320W                                                                |
| Line Regulation                               |    | ± 0.5% (@ 90-305Vac)                                                |                                                                     |                                                                     |                                                                     |
| Load Regulation (0-95% Load)                  |    | ± 2% (@ 90-305Vac)                                                  | ± 0.5% (@ 90-305Vac)                                                |                                                                     |                                                                     |
| PARD (20MHz)                                  |    | < 150mVpp                                                           |                                                                     | < 250mVpp                                                           |                                                                     |
| Hold-up Time                                  |    | 16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)                    |                                                                     |                                                                     |                                                                     |
| INPUT                                         |    |                                                                     |                                                                     |                                                                     |                                                                     |
| Input Voltage Range                           |    | 90-305Vac                                                           |                                                                     |                                                                     |                                                                     |
| Input Frequency                               |    | 47-63Hz                                                             |                                                                     |                                                                     |                                                                     |
| Input Current                                 |    | 3.50A max. @ 115Vac, 1.65A max. @ 230Vac, 1.45A max. @ 277Vac       |                                                                     |                                                                     |                                                                     |
| Efficiency at 100% Load                       |    | 89.5% typ. @ 115Vac,<br>90.5% typ. @ 230Vac,<br>91.0% typ. @ 277Vac | 91.5% typ. @ 115Vac,<br>93.5% typ. @ 230Vac,<br>94.0% typ. @ 277Vac | 92.5% typ. @ 115Vac,<br>94.5% typ. @ 230Vac,<br>94.5% typ. @ 277Vac | 93.0% typ. @ 115Vac,<br>94.5% typ. @ 230Vac,<br>94.5% typ. @ 277Vac |
| Max Inrush Current (Cold Start)               |    | 65A typ. @ 230Vac                                                   |                                                                     |                                                                     |                                                                     |
| Power Factor                                  |    | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac          |                                                                     |                                                                     |                                                                     |
| Leakage Current                               |    | < 0.75mA @ 277Vac                                                   |                                                                     |                                                                     |                                                                     |
| MECHANICAL                                    |    |                                                                     |                                                                     |                                                                     |                                                                     |
| Case Cover / Chassis                          |    | Aluminium                                                           |                                                                     |                                                                     |                                                                     |
| Dimensions (L x W x D)                        |    | 252 x 90 x 43.8 mm (9.92" x 3.54" x 1.72")                          |                                                                     |                                                                     |                                                                     |
| Unit Weight                                   |    | 1.70 kg (3.75 lb)                                                   | 1.70 kg (3.75 lb)                                                   | 1.70 kg (3.75 lb)                                                   | 1.70 kg (3.75 lb)                                                   |
| Cooling System                                |    | Convection                                                          |                                                                     |                                                                     |                                                                     |
| Input Cable                                   | UL | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)        |                                                                     |                                                                     |                                                                     |
| Output Cable                                  | UL | SJTW 14AWGX2C (Positive: Red, Negative: Black)                      |                                                                     |                                                                     |                                                                     |
| Dimming Cable                                 | UL | SJTW 18AWGX2C (Positive: White, Negative: Blue)                     |                                                                     |                                                                     |                                                                     |
| MTBF <sup>2)</sup>                            |    | > 700,000 hrs                                                       | > 700,000 hrs                                                       | > 700,000 hrs                                                       | > 700,000 hrs                                                       |
| ENVIRONMENT                                   |    |                                                                     |                                                                     |                                                                     |                                                                     |
| Operating Temperature                         |    | -40°C to +70°C                                                      |                                                                     |                                                                     |                                                                     |
| Storage Temperature                           |    | -40°C to +85°C                                                      |                                                                     |                                                                     |                                                                     |
| Power De-rating <sup>4)</sup>                 |    | > 60°C (4% / °C)                                                    |                                                                     |                                                                     |                                                                     |
| Operating Humidity                            |    | 5 to 95% RH (Non-Condensing)                                        |                                                                     |                                                                     |                                                                     |
| Operating Altitude                            |    | 0 to 3,000m (0 to 9,840 ft)                                         |                                                                     |                                                                     |                                                                     |
| Degree of Protection                          |    | IP65 (LNE-□V□WA□A)<br>IP67 (LNE-□V□WD□A)                            |                                                                     |                                                                     |                                                                     |

#### Notes

- 1) For LNE-□□W□□A package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.
- 4) Please refer to the technical datasheet for information about the mounting orientations.

# LNE LED Driver

## 320W (International AC Voltage)

### Package Type



A

B

D



# LNE

### HIGHLIGHTS & FEATURES

- Meet ErP Directive (2009/125/EC) for 24V, 36V and 48V models
- Universal AC input voltage range 90-264Vac
- Up to 94.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |     | LNE-12V320W□□CA                                                            | LNE-24V320W□□CA                             | LNE-36V320W□□CA                             | LNE-48V320W□□CA                             |
|-----------------------------------------------|-----|----------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Nominal Output Voltage                        |     | 12Vdc                                                                      | 24Vdc                                       | 36Vdc                                       | 48Vdc                                       |
| LED System Voltage Range in CC Mode           |     | 6-12Vdc                                                                    | 12-24Vdc                                    | 18-36Vdc                                    | 24-48Vdc                                    |
| Output Voltage Adjustment Range <sup>1)</sup> |     | 10.8-13.5V                                                                 | 22.0-27.0V                                  | 33.0-40.0V                                  | 43.0-53.0V                                  |
| Nominal Output Current                        |     | 22.5A                                                                      | 13.4A                                       | 8.9A                                        | 6.7A                                        |
| Output Current Adjustment Range <sup>1)</sup> |     | 11.25- 22.5A                                                               | 6.67-13.4A                                  | 4.45-8.9A                                   | 3.35-6.7A                                   |
| Output Power                                  |     | 270W                                                                       | 320W                                        | 320W                                        | 320W                                        |
| Line Regulation                               |     | ± 0.5% (@ 90-264Vac)                                                       |                                             |                                             |                                             |
| Load Regulation (0-95% Load)                  |     | ± 2% (@ 90-264Vac)                                                         | ± 0.5% (@ 90-264Vac)                        |                                             |                                             |
| PARD (20MHz)                                  |     | < 150mVpp                                                                  |                                             | < 250mVpp                                   |                                             |
| Hold-up Time                                  |     | 16ms typ. @ 115Vac & 230Vac (100% load)                                    |                                             |                                             |                                             |
| INPUT                                         |     |                                                                            |                                             |                                             |                                             |
| Input Voltage Range                           |     | 90-264Vac                                                                  |                                             |                                             |                                             |
| Input Frequency                               |     | 47-63Hz                                                                    |                                             |                                             |                                             |
| Input Current                                 |     | 3.50A max. @ 115Vac, 1.65A max. @ 230Vac                                   |                                             |                                             |                                             |
| Efficiency at 100% Load                       |     | 89.5% typ. @ 115Vac,<br>90.5% typ. @ 230Vac                                | 91.5% typ. @ 115Vac,<br>93.5% typ. @ 230Vac | 92.5% typ. @ 115Vac,<br>94.5% typ. @ 230Vac | 93.0% typ. @ 115Vac,<br>94.5% typ. @ 230Vac |
| Max Inrush Current (Cold Start)               |     | 65A typ. @ 230Vac                                                          |                                             |                                             |                                             |
| Power Factor                                  |     | 0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac                                     |                                             |                                             |                                             |
| Leakage Current                               |     | < 0.75mA @ 264Vac                                                          |                                             |                                             |                                             |
| MECHANICAL                                    |     |                                                                            |                                             |                                             |                                             |
| Case Cover / Chassis                          |     | Aluminium                                                                  |                                             |                                             |                                             |
| Dimensions (L x W x D)                        |     | 252 x 90 x 43.8 mm (9.92" x 3.54" x 1.72")                                 |                                             |                                             |                                             |
| Unit Weight                                   |     | 1.70kg (3.75 lb)                                                           | 1.70kg (3.75 lb)                            | 1.70kg (3.75 lb)                            | 1.70kg (3.75 lb)                            |
| Cooling System                                |     | Convection                                                                 |                                             |                                             |                                             |
| Input Cable                                   | VDE | H05RN-F3G1.0mm <sup>2</sup> (Line: Brown, Neutral: Blue, PE: Green/Yellow) |                                             |                                             |                                             |
| Output Cable                                  | VDE | H07RN-F2x1.5mm <sup>2</sup> (Positive: Red, Negative: Black)               |                                             |                                             |                                             |
| Dimming Cable                                 | VDE | H05RN-F2x1.0mm <sup>2</sup> (Positive: White, Negative: Blue)              |                                             |                                             |                                             |
| MTBF <sup>2)</sup>                            |     | > 700,000 hrs                                                              | > 700,000 hrs                               | > 700,000 hrs                               | > 700,000 hrs                               |
| ENVIRONMENT                                   |     |                                                                            |                                             |                                             |                                             |
| Operating Temperature                         |     | -40°C to +70°C                                                             |                                             |                                             |                                             |
| Storage Temperature                           |     | -40°C to +85°C                                                             |                                             |                                             |                                             |
| Power De-rating <sup>4)</sup>                 |     | > 60°C (4% / °C)                                                           |                                             |                                             |                                             |
| Operating Humidity                            |     | 5 to 95% RH (Non-Condensing)                                               |                                             |                                             |                                             |
| Operating Altitude                            |     | 0 to 3,000m (0 to 9,840 ft)                                                |                                             |                                             |                                             |
| Degree of Protection                          |     | IP65 (LNE-□□□WA□□A)<br>IP67 (LNE-□□□WD□□A)                                 |                                             |                                             |                                             |

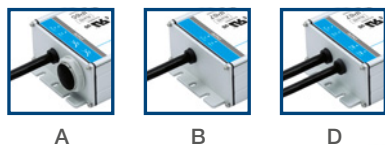
#### Notes

- 1) For LNE-□□□W□□CA package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.
- 4) Please refer to the technical datasheet for information about the mounting orientations.

# LVN LED Driver

## 320W

### Package Type



# LVN

### HIGHLIGHTS & FEATURES

- Designed for single phase (for L – N) or two phase (for L – L) wide input 180-528Vac
- Up to 94.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

### GENERAL SPECIFICATIONS

| OUTPUT                                        |    | LNV-12V320W□AA                                                                             | LNV-24V320W□AA                                                      | LNV-36V320W□AA                                                      | LNV-48V320W□AA                                                      |
|-----------------------------------------------|----|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Nominal Output Voltage                        |    | 12Vdc                                                                                      | 24Vdc                                                               | 36Vdc                                                               | 48Vdc                                                               |
| LED System Voltage Range in CC Mode           |    | 6-12Vdc                                                                                    | 12-24Vdc                                                            | 18-36Vdc                                                            | 24-48Vdc                                                            |
| Output Voltage Adjustment Range <sup>1)</sup> |    | 10.8-13.5V                                                                                 | 22.0-27.0V                                                          | 33.0-40.0V                                                          | 43.0-53.0V                                                          |
| Nominal Output Current                        |    | 22.5A                                                                                      | 13.4A                                                               | 8.9A                                                                | 6.7A                                                                |
| Output Current Adjustment Range <sup>1)</sup> |    | 11.25-22.5A                                                                                | 6.67-13.4A                                                          | 4.45-8.9A                                                           | 3.35-6.7A                                                           |
| Output Power                                  |    | 270W                                                                                       | 320W                                                                | 320W                                                                | 320W                                                                |
| Line Regulation                               |    | ± 0.5% (@ 200-528Vac)                                                                      |                                                                     |                                                                     |                                                                     |
| Load Regulation (0-95% Load)                  |    | ± 2% (@ 200-528Vac)                                                                        | ± 0.5% (@ 200-528Vac)                                               |                                                                     |                                                                     |
| PARD (20MHz)                                  |    | < 150mVpp                                                                                  |                                                                     | < 250mVpp                                                           |                                                                     |
| Hold-up Time                                  |    | 16ms typ. @ 230Vac & 277Vac & 480Vac (100% load)                                           |                                                                     |                                                                     |                                                                     |
| INPUT                                         |    |                                                                                            |                                                                     |                                                                     |                                                                     |
| Input Voltage Range                           |    | 180-528Vac                                                                                 |                                                                     |                                                                     |                                                                     |
| Input Frequency                               |    | 47-63Hz                                                                                    |                                                                     |                                                                     |                                                                     |
| Input Current                                 |    | 1.70A max. @ 230Vac, 1.40A max. @ 277Vac, 1.00A max. @ 480Vac                              |                                                                     |                                                                     |                                                                     |
| Efficiency at 100% Load                       |    | 88.0% typ. @ 230Vac,<br>88.5% typ. @ 277Vac,<br>89.0% typ. @ 480Vac                        | 91.0% typ. @ 230Vac,<br>92.0% typ. @ 277Vac,<br>92.5% typ. @ 480Vac | 92.0% typ. @ 230Vac,<br>92.5% typ. @ 277Vac,<br>93.0% typ. @ 480Vac | 92.0% typ. @ 230Vac,<br>93.0% typ. @ 277Vac,<br>93.5% typ. @ 480Vac |
| Max Inrush Current (Cold Start)               |    | 50A typ. @ 480Vac                                                                          |                                                                     |                                                                     |                                                                     |
| Power Factor                                  |    | 0.98 typ. @ 230Vac & 277Vac, 0.95 typ. @ 480Vac                                            |                                                                     |                                                                     |                                                                     |
| Leakage Current                               |    | < 0.75mA @ 480Vac                                                                          |                                                                     |                                                                     |                                                                     |
| MECHANICAL                                    |    |                                                                                            |                                                                     |                                                                     |                                                                     |
| Case Cover / Chassis                          |    | Aluminium                                                                                  |                                                                     |                                                                     |                                                                     |
| Dimensions (L x W x D)                        |    | 262 x 90 x 43.8 mm (10.32" x 3.54" x 1.72")                                                |                                                                     |                                                                     |                                                                     |
| Unit Weight                                   |    | 1.19 kg (2.62 lb)                                                                          | 1.19 kg (2.62 lb)                                                   | 1.19 kg (2.62 lb)                                                   | 1.19 kg (2.62 lb)                                                   |
| Cooling System                                |    | Convection                                                                                 |                                                                     |                                                                     |                                                                     |
| Input Cable                                   | UL | SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)                               |                                                                     |                                                                     |                                                                     |
| Output Cable                                  | UL | SJTW 14AWGX2C (Positive: Red, Negative: Black)                                             |                                                                     |                                                                     |                                                                     |
| Dimming Cable                                 | UL | SJTW 18AWGX2C (Positive: White, Negative: Blue)                                            |                                                                     |                                                                     |                                                                     |
| MTBF <sup>2)</sup>                            |    | > 700,000 hrs                                                                              | > 700,000 hrs                                                       | > 700,000 hrs                                                       | > 700,000 hrs                                                       |
| ENVIRONMENT                                   |    |                                                                                            |                                                                     |                                                                     |                                                                     |
| Operating Temperature                         |    | -40°C to +60°C (@ 180Vac); -40°C to +65°C (@ 230Vac); -40°C to +70°C (@ 270Vac and above)  |                                                                     |                                                                     |                                                                     |
| Storage Temperature                           |    | -40°C to +85°C                                                                             |                                                                     |                                                                     |                                                                     |
| Power De-rating                               |    | > 50°C (4% / °C) @ 180Vac; > 55°C (4% / °C) @ 230Vac; > 60°C (4% / °C) @ 277Vac and above) |                                                                     |                                                                     |                                                                     |
| Operating Humidity                            |    | 5 to 95% RH (Non-Condensing)                                                               |                                                                     |                                                                     |                                                                     |
| Operating Altitude                            |    | 0 to 3,000m (0 to 9,840 ft)                                                                |                                                                     |                                                                     |                                                                     |
| Degree of Protection                          |    | IP65 (LNV-□V□WAAA)<br>IP67 (LNV-□V□WBAA, LNV-□V□WDAA)                                      |                                                                     |                                                                     |                                                                     |

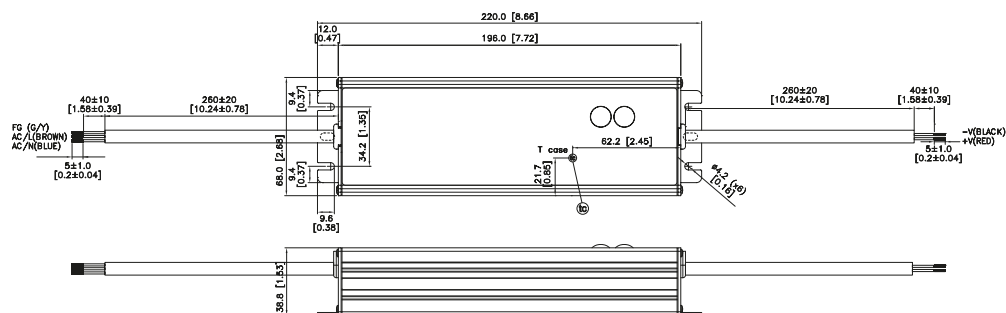
#### Notes

- 1) For LNV-□V□WAAA package type only.
- 2) MTBF as per Telcordia SR-332 (I/P: 200Vac, O/P: 100% load).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

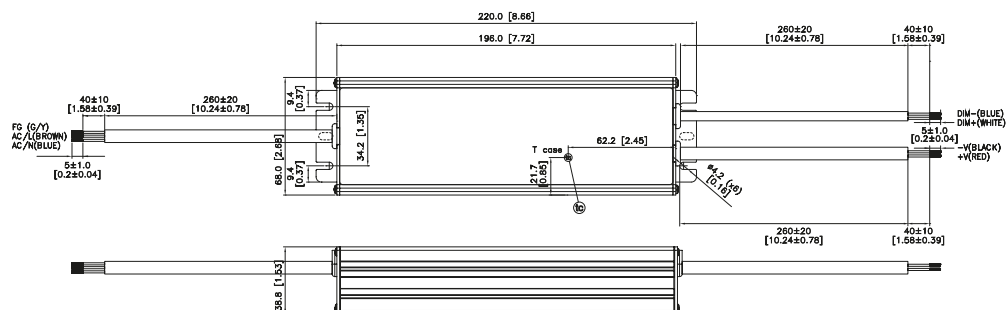
# Mechanical Drawings

## LED Driver

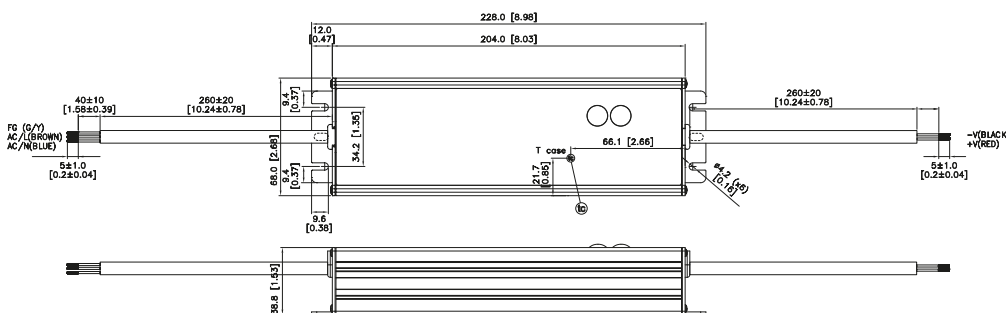
LNE-QV100W□□, LNE-QV120W□□



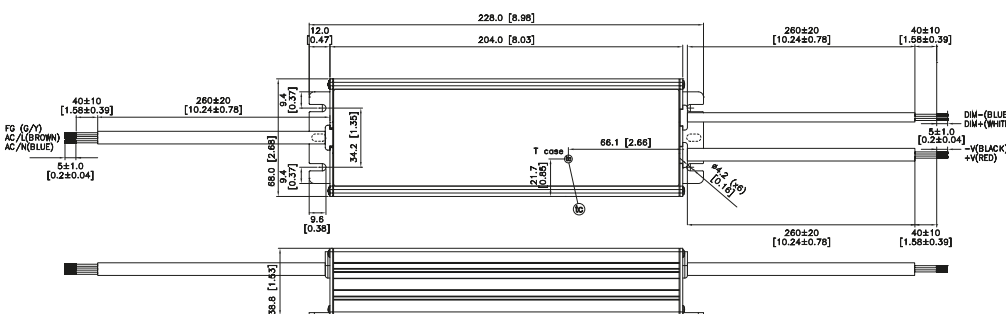
LNE-QV100WD□□, LNE-QV120WD□□



LNE-QV150W□□, LNE-QV185W□□



LNE-QV150WD□□, LNE-QV185WD□□



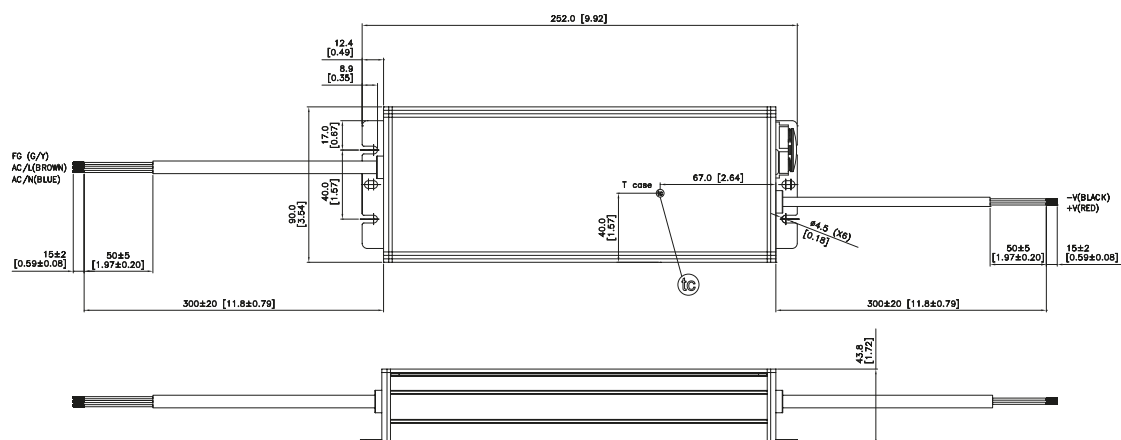
\*Units in mm [inch]



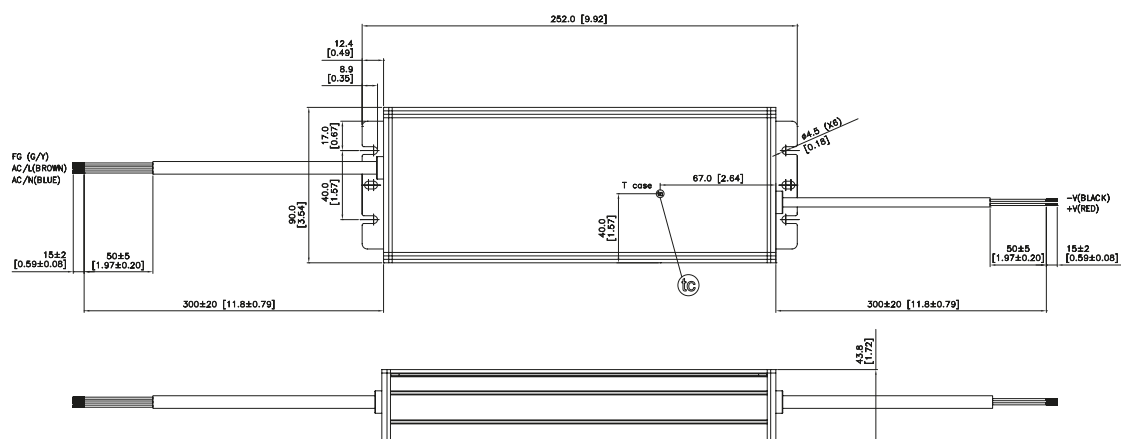
# Mechanical Drawings

## LED Driver

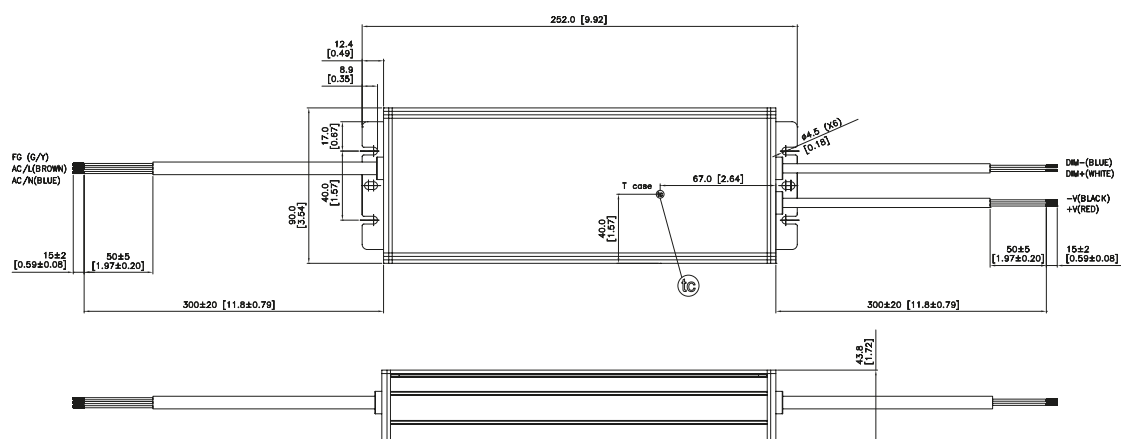
LNE-□V320WA□□



LNE-□V320WB□□



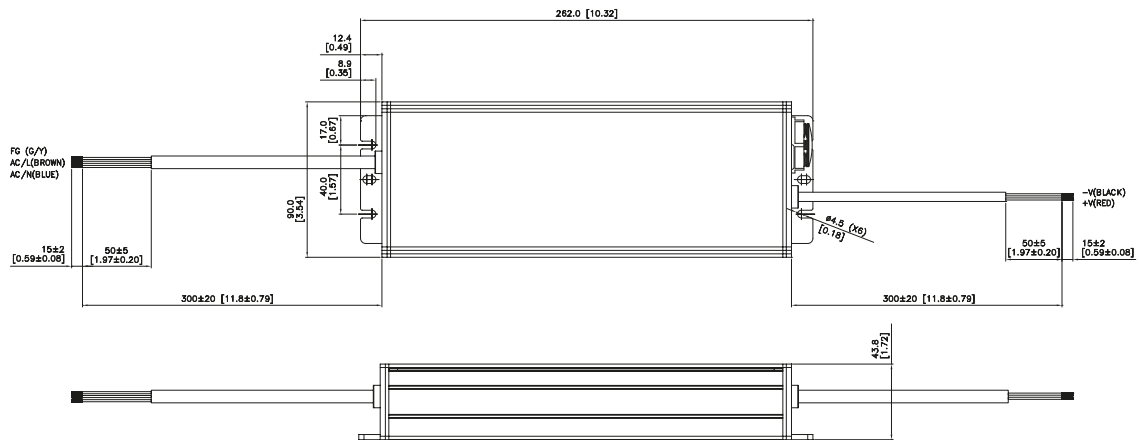
LNE-□V320WD□□



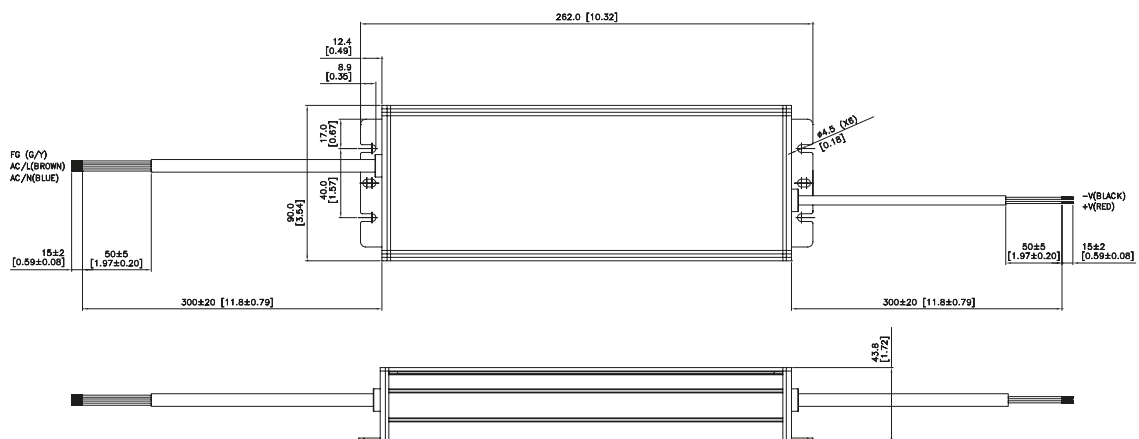
\*Units in mm [inch]



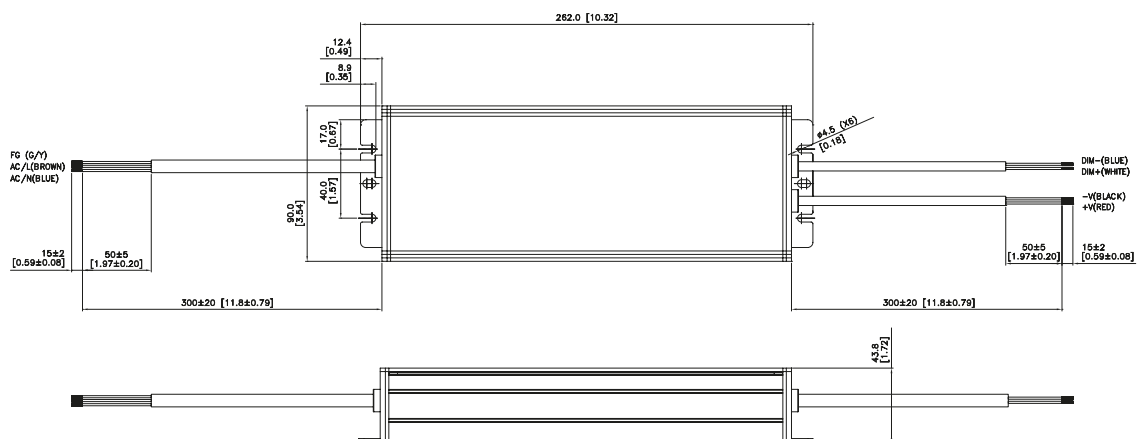
# LNV-□V320WAAA



# LNV-□V320WBAA



# LNV-□V320WDAA



\*Units in mm [inch]

# Standards & Approvals

## LED Driver

| LED Driver     | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 61347-1, IEC 61347-2-13 | SIQ or TUV or NEMKO to EN 60950-1 | ENEC to EN 61347-1, EN 61347-2-13, EN 62384 | Compliance to UL 60950-1 | UL 8750 | UL 60950-1 and CSA C22.2 No. 60950-1 | ATEX EN 60079-15 | CSA C22.2 No. 213 and ANSI/ISA-12.12.09 | CCC (China) to GB19519.1, GB19510.14 | KC (Korea) to KC61347-1, KC61347-2-13, KC62384 | PSE (Japan) to J61347-1, J61347-2-13 | RoHS Directive 2011/65/EU | SEMI F47 | EN 61000-3-2 (PFC), Class C | EN 61000-3-3 (Flicker) | EN 61547 (Immunity) | EN 55024 (Immunity) | EN 55015 (Emissions) | EN 55032 Class B (Emissions) | FCC Title 47 Class B (Emissions) |
|----------------|----|--------------------------|------------------------------------------|-----------------------------------|---------------------------------------------|--------------------------|---------|--------------------------------------|------------------|-----------------------------------------|--------------------------------------|------------------------------------------------|--------------------------------------|---------------------------|----------|-----------------------------|------------------------|---------------------|---------------------|----------------------|------------------------------|----------------------------------|
| LNE-12V100WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V100WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V100WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V100WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V100WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V100WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V100WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V100WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V100WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V100WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V100WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V100WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V100WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V100WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V100WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V100WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V120WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V120WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V120WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V120WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V120WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V120WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V120WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V120WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V120WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V120WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V120WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V120WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V120WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V120WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V120WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V120WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V150WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V150WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V150WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V150WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V150WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V150WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V150WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V150WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V150WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V150WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V150WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V150WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V150WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V150WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V150WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V150WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-54V150WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-54V150WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-54V150WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-54V150WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |

△ Compliant

| LED Driver     | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 61347-1, IEC 61347-2-13 | SIQ or TUV or NEMKO to EN 60950-1 | ENEC to EN 61347-1, EN 61347-2-13, EN 62384 | Compliance to UL 60950-1 | UL 8750 | UL 60950-1 and CSA C22.2 No. 60950-1 | ATEX EN 60079-15 | CSA C22.2 No. 213 and ANSI/ISA-12.12.09 | CCC (China) to GB19519.1, GB19510.14 | KC (Korea) to KC61347-1, KC61347-2-13, KC62384 | PSE (Japan) to J61347-1, J61347-2-13 | RoHS Directive 2011/65/EU | SEMI F47 | EN 61000-3-2 (PFC), Class C | EN 61000-3-3 (Flicker) | EN 61547 (Immunity) | EN 55024 (Immunity) | EN 55015 (Emissions) | EN 55032 Class B (Emissions) | FCC Title 47 Class B (Emissions) |
|----------------|----|--------------------------|------------------------------------------|-----------------------------------|---------------------------------------------|--------------------------|---------|--------------------------------------|------------------|-----------------------------------------|--------------------------------------|------------------------------------------------|--------------------------------------|---------------------------|----------|-----------------------------|------------------------|---------------------|---------------------|----------------------|------------------------------|----------------------------------|
| LNE-12V185WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V185WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V185WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V185WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V185WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V185WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V185WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V185WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V185WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V185WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V185WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V185WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V185WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V185WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V185WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V185WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-54V185WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-54V185WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-54V185WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-54V185WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    | ●                                              | ●                                    | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V320WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V320WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V320WBAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V320WBCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-12V320WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-12V320WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V320WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V320WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V320WBAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V320WBCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-24V320WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-24V320WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V320WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V320WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V320WBAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V320WBCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-36V320WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-36V320WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V320WAAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V320WACA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V320WBAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V320WBCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNE-48V320WDAA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNE-48V320WDCA | ●  |                          | ●                                        |                                   | ●                                           |                          |         |                                      |                  |                                         | ●                                    |                                                |                                      | ●                         |          | ●                           | ●                      | ●                   | △                   | ●                    | △                            | △                                |
| LNV-12V320W□AA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNV-24V320W□AA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNV-36V320W□AA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |
| LNV-48V320W□AA |    |                          |                                          |                                   |                                             |                          | ●       | ●                                    |                  |                                         |                                      |                                                |                                      | ●                         |          | △                           | △                      | △                   | △                   | △                    | △                            | △                                |

△ Compliant

## Warranty

Delta warrants that the products ("Products") sold in this catalog will be free of defects in material and workmanship within the warranty period. The warranty does not apply to Products which have been subjected to abuse, misuse, accident, neglect, unauthorized and/or improper installation, operation, use, maintenance, repair or alteration, or accident of unusual deterioration or degradation of the Products or parts thereof due to physical environment beyond the requirements of the Product specifications.

## Attention

- Delta will do our utmost in ensuring the accuracy of all information provided in the catalog and datasheets that are officially released and published. However, there may be instance where discrepancy occurs between the catalog and the datasheets. When such case happens, kindly refer to **[www.DeltaPSU.com](http://www.DeltaPSU.com)** for the latest catalog and datasheets or the datasheets shall take precedence over the catalog information.
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## Availability

Products with "New" tab are slated for official release with immediate effect, while products with "Coming Soon" tab will be available within the next two months from this catalog's publication month (Refer to cover page). Kindly contact your local Delta distributor for availability, ordering and delivery details. You may also get in touch with us via the Feedback Form on **[www.deltapsu.com/feedback](http://www.deltapsu.com/feedback)**.

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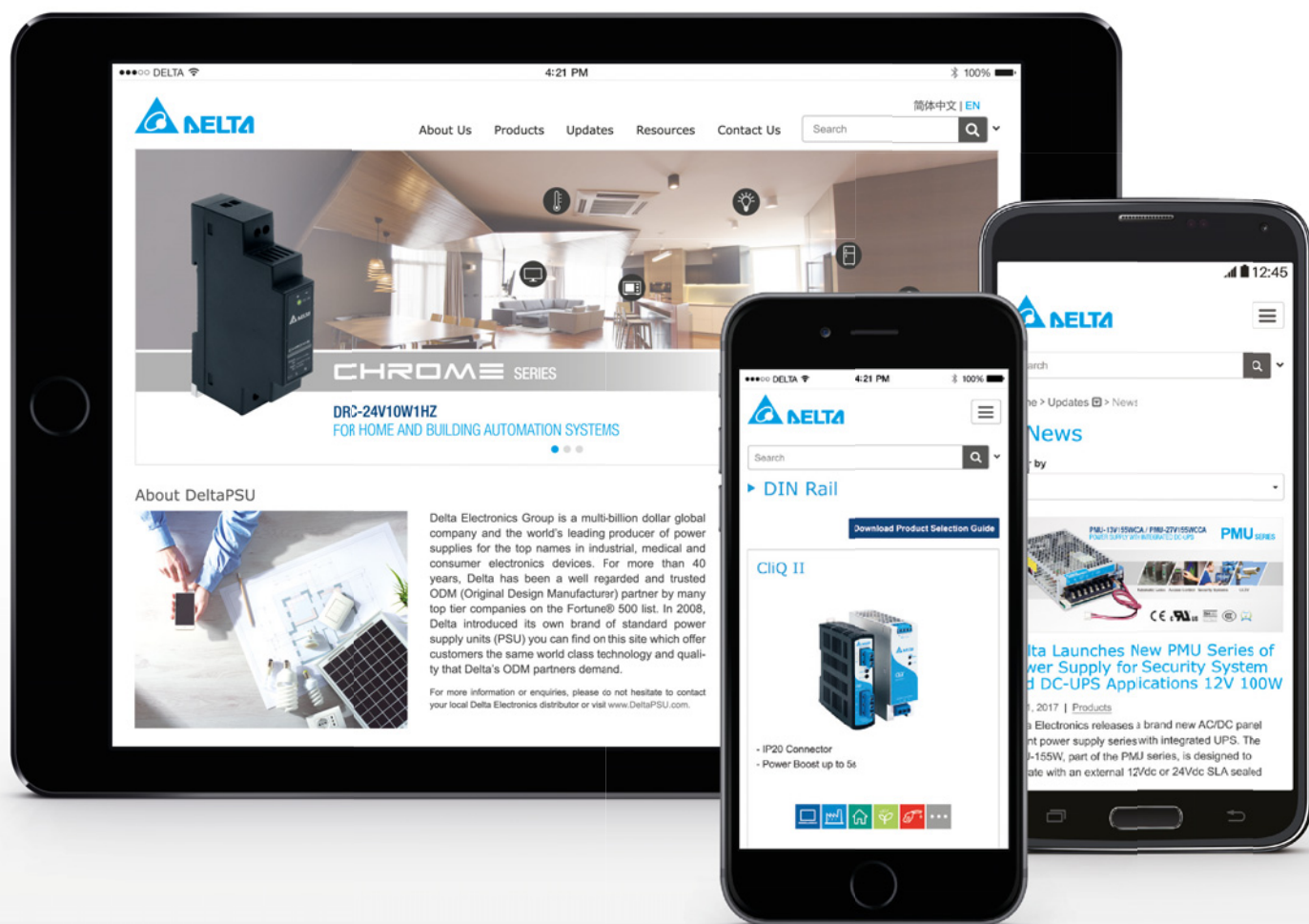


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