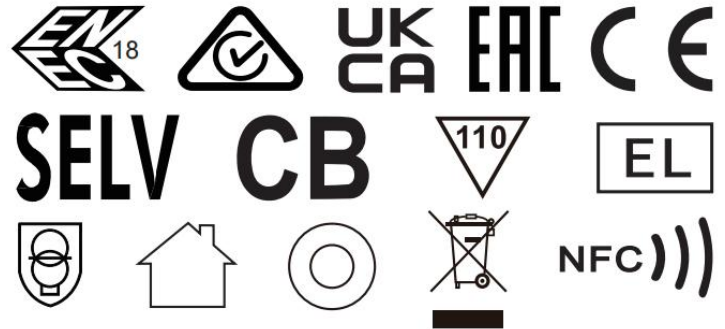
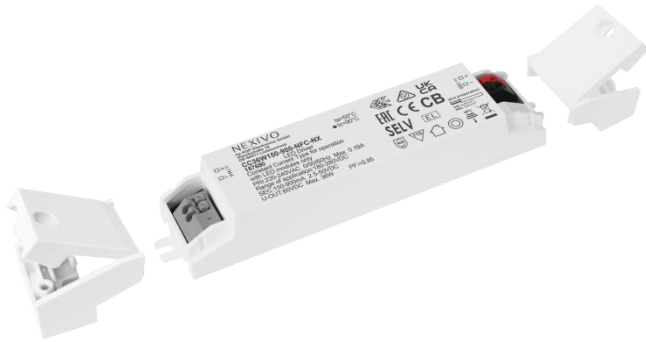




| Model               | Item Code | Output current | Input current | Input power | Output power range | PF    | Efficiency | Output voltage | No load voltage |
|---------------------|-----------|----------------|---------------|-------------|--------------------|-------|------------|----------------|-----------------|
| CC36W150-900-NFC-NX | 157690    | 150-900mA      | ≤0.19A        | 40.90W      | 0.40-36.00W        | ≥0.95 | 88%        | 2.5-50         | 60Vdc           |

**\* Test result @230V, 50Hz, Full Load.**

## 1. Parameters

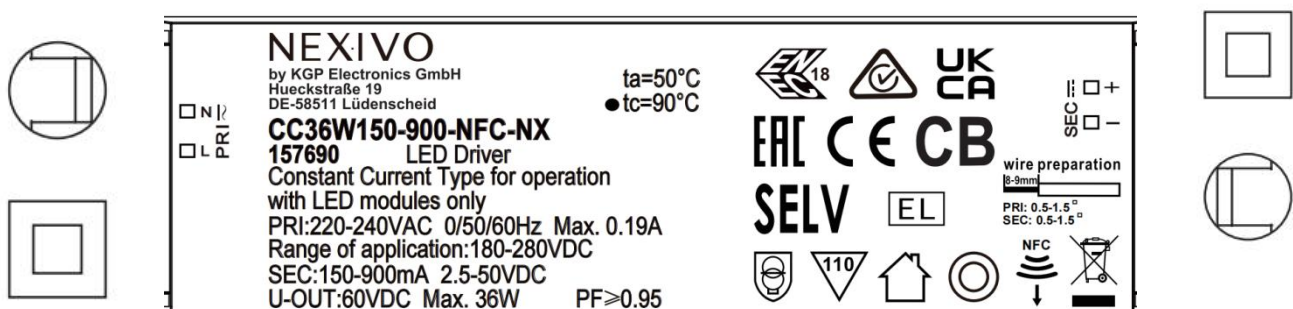
| Category | Item                      | Technical Norm                 |
|----------|---------------------------|--------------------------------|
| Features | Output Type               | Constant Current               |
|          | Output current setting    | Near field communication (NFC) |
|          | Output Features           | Isolation                      |
|          | IP Grade                  | IP20                           |
|          | Insulation Class          | Class II                       |
| Input    | Rated Input Voltage       | 220-240VAC                     |
|          | Range of Input Voltage    | 198-264VAC                     |
|          | Range of DC Input Voltage | 180-280VDC                     |
|          | Frequency                 | 0/50/60Hz, Range:0/47-63Hz     |
|          | Overvoltage protection    | 2h@380VAC, 48h@320VAC          |
|          | Input Current             | ≤0.19A max                     |
|          | Input Power               | ≤40.9W max                     |
|          | Power Factor              | ≥0.95 (230VAC, full load)      |
|          | THD                       | ≤7% (230VAC, full load)        |
|          | No-load Power Consumption | ≤0.5W (230VAC, full load)      |
|          | Inrush Current            | ≤8.5A/16us (230VAC, full load) |

|                |                                                                                                                                                  |                                                                                                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Connected quantity of 10A Breaker<br>Connected quantity of 13A Breaker<br>Connected quantity of 16A Breaker<br>Connected quantity of 20A Breaker | 22pcs/type A ; 36pcs/type B ; 58pcs/type C<br>29pcs/type A; 47pcs/type B ; 76pcs/type C<br>36pcs/type A; 58pcs/type B ; 94pcs/type C<br>45pcs/type A; 73pcs/type B ; 117pcs/type C                                   |
| Output         | Output Voltage Range                                                                                                                             | 2.5-50VDC@150-700mA ; 2.5-42VDC@750-850mA<br>2.5-40VDC@900mA                                                                                                                                                         |
|                | No Load Voltage                                                                                                                                  | 60VDC Max.                                                                                                                                                                                                           |
|                | Output Current                                                                                                                                   | 150-900mA (by NFC setting ,<br>Factory set current of 150mA)                                                                                                                                                         |
|                | Max. Output Power                                                                                                                                | 36W                                                                                                                                                                                                                  |
|                | Efficiency                                                                                                                                       | ≥88% @500mA, 230VAC                                                                                                                                                                                                  |
|                | Output LF current ripple (< 120 Hz)                                                                                                              | ±3% (Imax-Imin) / (Imax+Imin)                                                                                                                                                                                        |
|                | Current Accuracy                                                                                                                                 | ±5%                                                                                                                                                                                                                  |
|                | PSTLM                                                                                                                                            | ≤1                                                                                                                                                                                                                   |
|                | SVM                                                                                                                                              | ≤0.4                                                                                                                                                                                                                 |
|                | Starting Time (AC mode)                                                                                                                          | ≤0.5S (230VAC, full load)                                                                                                                                                                                            |
| Control Method | NFC current setting                                                                                                                              | The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by EX·IVO's software APP/APK/PC with FEIG equipment or mobile phone                               |
| Protection     | Short Circuit Protection                                                                                                                         | Auto Recovery                                                                                                                                                                                                        |
|                | Overload Protection                                                                                                                              | Auto Recovery (not be hot swap)                                                                                                                                                                                      |
|                | No-load Protection                                                                                                                               | Auto Recovery                                                                                                                                                                                                        |
|                | Insulation voltage                                                                                                                               | 3000V 5mA 60S between P-S                                                                                                                                                                                            |
|                | Insulation resistance                                                                                                                            | >100M ohm @500VDC                                                                                                                                                                                                    |
|                | Leakage current                                                                                                                                  | <700μA,I/P to O/P@230Vinput                                                                                                                                                                                          |
| Environment    | Ta/Operation Temperature                                                                                                                         | -20....+50℃                                                                                                                                                                                                          |
|                | Ts/Storage Temperature                                                                                                                           | -20....+90℃                                                                                                                                                                                                          |
|                | Tc/Enclosure Temperature                                                                                                                         | 90℃                                                                                                                                                                                                                  |
|                | Humidity                                                                                                                                         | 10%.... 90%RH                                                                                                                                                                                                        |
|                | Atmosphere                                                                                                                                       | 86-108KPa                                                                                                                                                                                                            |
| Construction   | Connection Method                                                                                                                                | Push-in Terminal                                                                                                                                                                                                     |
|                | Installation                                                                                                                                     | Built -in / Independent                                                                                                                                                                                              |
|                | PRI Wire preparation                                                                                                                             | 0.5-1.5□ / 8-9mm                                                                                                                                                                                                     |
|                | SEC Wire preparation                                                                                                                             | 0.5-1.5□ / 8-9mm                                                                                                                                                                                                     |
|                | SEC Wire preparation                                                                                                                             | 0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard) |
|                | Dimension                                                                                                                                        | 128*30*21mm (L*W*H)                                                                                                                                                                                                  |
| Standards      | Certification                                                                                                                                    | CE/ENEC/SAA/UKCA/EAC/CB                                                                                                                                                                                              |

|                                                                                                                                                                                                                                                        |                  |                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                        | Safety Standards | EN61347-1:2015/A1:2021;<br>EN61347-2-13:2014/A1:2017;<br>EN62384:2006/A1:2009; AS 61347.2.13:2018;<br>AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021;<br>BS EN61347-2-13:2014/A1:2017;<br>IEC 61347-1:2015+A1:2017;<br>IEC 61347-2-13:2014+A1:2016; |
|                                                                                                                                                                                                                                                        | EMC Standards    | AS/NZS CISPR 15:2011; AS CISPR 15:2017 ;<br>BS EN IEC 55015:2019+A11:2020; EN 61547:2009;<br>BS EN IEC 61000-3-2:2019;<br>BS EN 61000-3-3:2013+A1:2019;                                                                                            |
|                                                                                                                                                                                                                                                        | Performance      | EN62384                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                        | Surge            | L/N-Ground:2kV; L-N:1kV                                                                                                                                                                                                                            |
| Others                                                                                                                                                                                                                                                 | RoHS             | complied to 2011/65/EU                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                        | Life Time        | 50000h Tc=90°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                        |                  | 75000h Tc=85°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                        |                  | 100000h Tc=80°C                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                        | Warranty         | 5years , F.R. < 10000ppm                                                                                                                                                                                                                           |
| Remark:<br>1.All Parameters,if not specified,are measured at 230VAC/50Hz and 25°C ambient temperature.<br>2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again. |                  |                                                                                                                                                                                                                                                    |

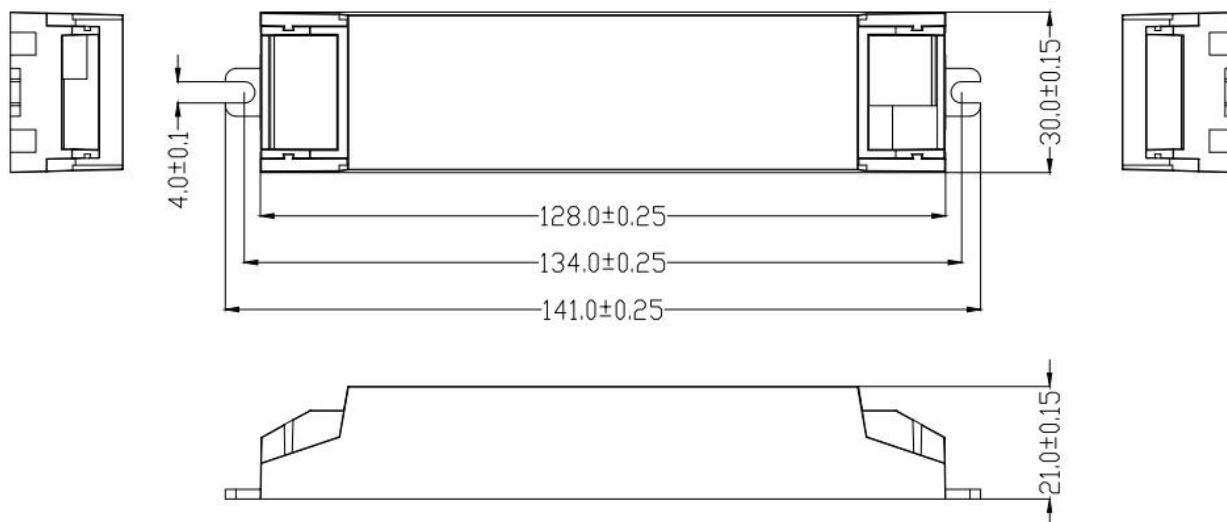
| Distance        | 15m                | 30m                 | 50m                |
|-----------------|--------------------|---------------------|--------------------|
| Cable selection | 0.5mm <sup>2</sup> | 0.75mm <sup>2</sup> | 1.0mm <sup>2</sup> |

## 2. Label



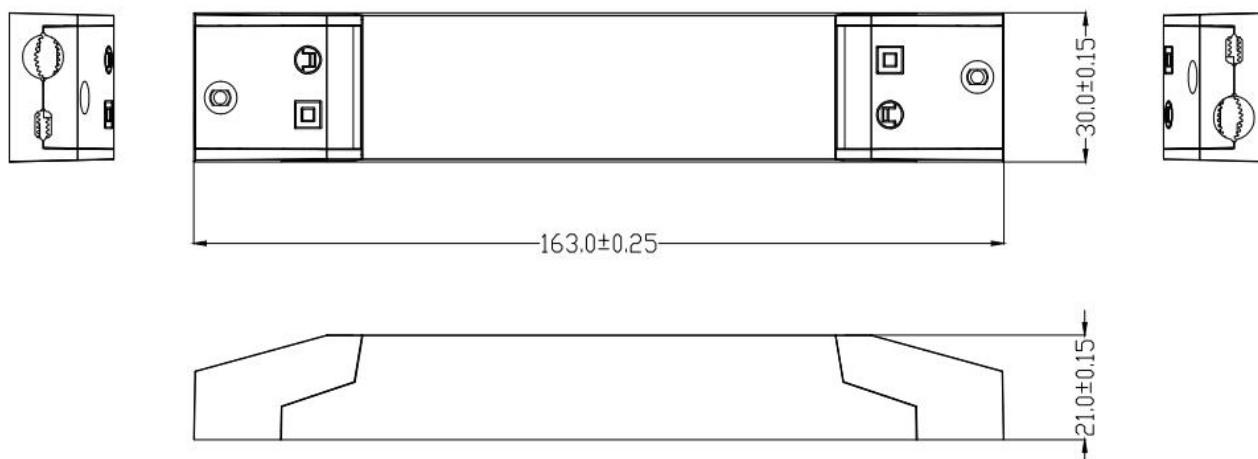
### 3. Dimension (Unit: mm)

Built in type:

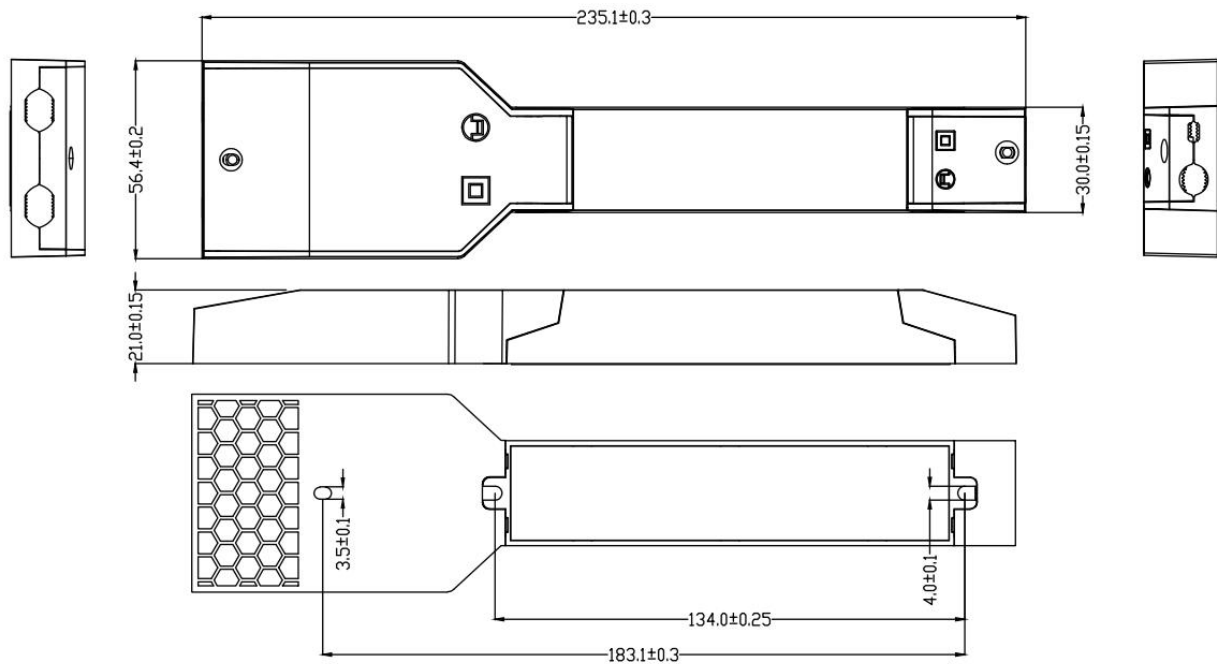


**Compatible Small Strain reliefs:SR\_CC\_15-23-36\_UNI**  
**Compatible Large Strain reliefs:SR\_CC\_15-23-36\_3POL**

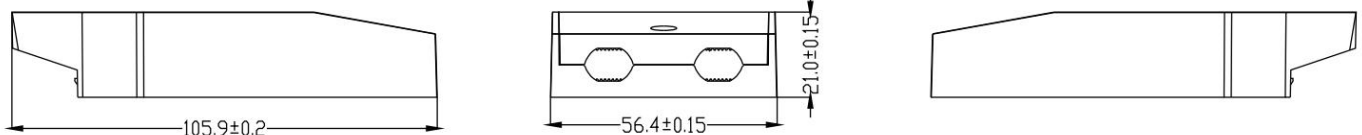
Small Strain reliefs



### Large Strain reliefs



### Large Strain reliefs specifications



Tolerance for dimensions  $\pm 0.1$  mm

### Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 55.4-57.4 x 20.0-22.0 mm

Wire size: 0.5 - 2.5 mm<sup>2</sup>

Ambient temperature range: -20...+50 °C

Storage temperature range: -20...+85 °C

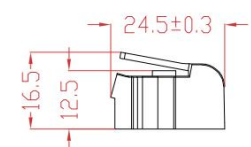
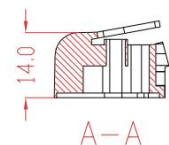
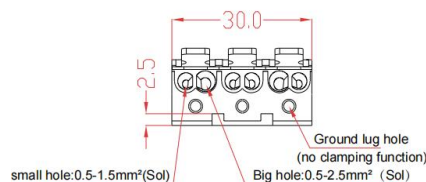
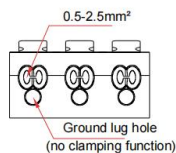
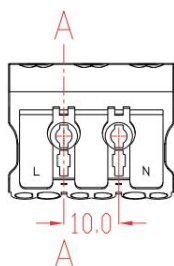
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

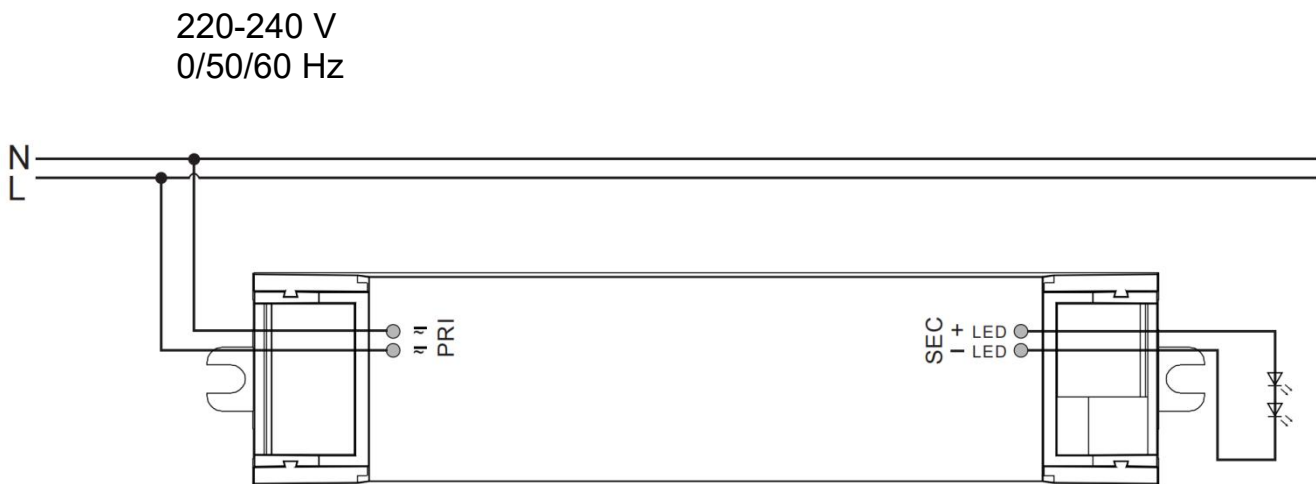
\*Unless otherwise stated in the driver datasheet (for independent installation).

Note! Tc max temperature of the driver shall not be exceeded.

### Terminal

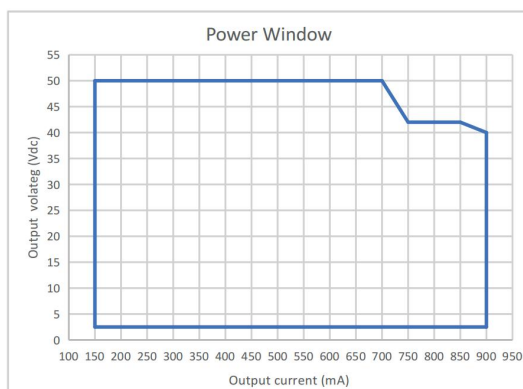


## 4. Wiring Diagram

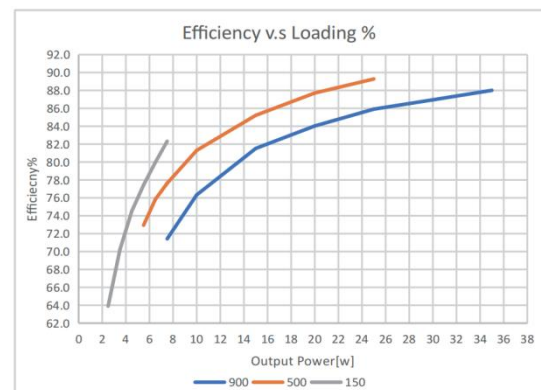


## 5. Electrical values

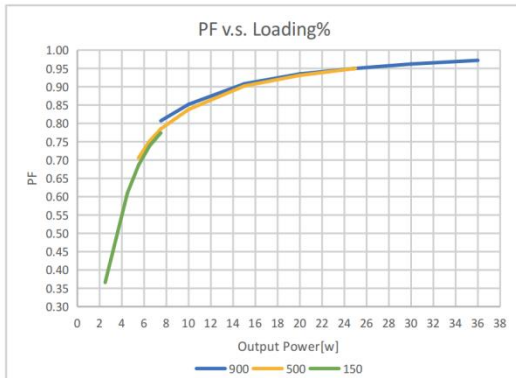
### 1. Operating power windows



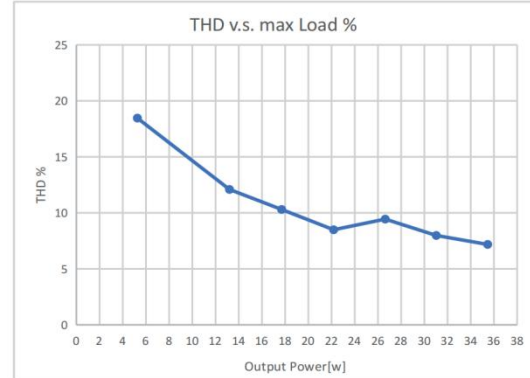
### 2. Efficiency v.s. Load



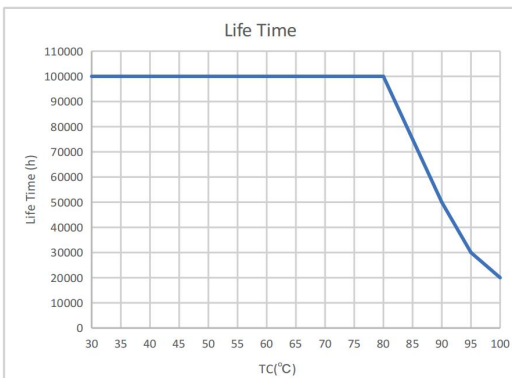
### 3. PF v.s. Load



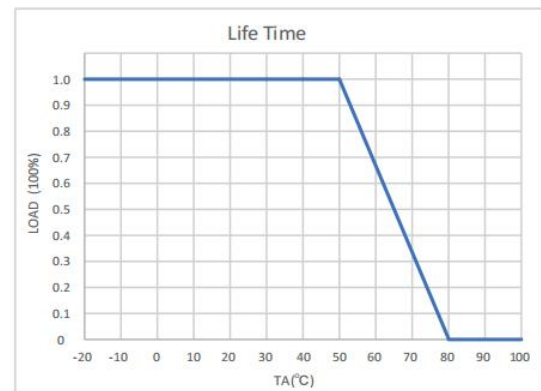
### 4. THD v.s. Load



### 5. Life time

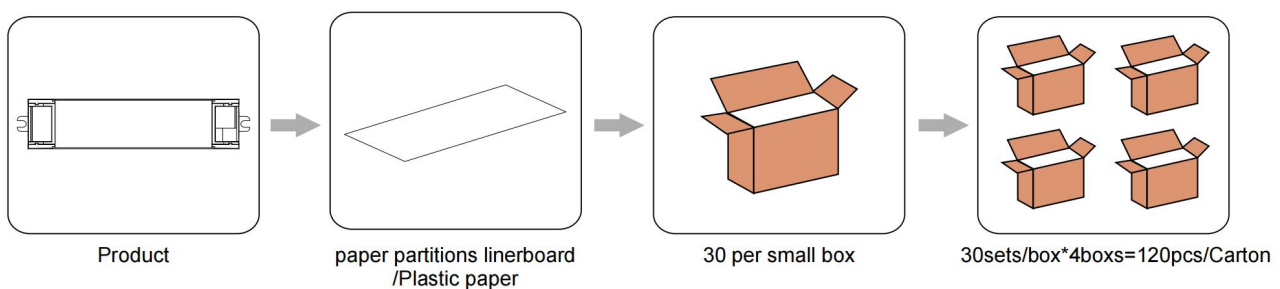


### 6. Derating



## 6. Packing information

### Built-in type



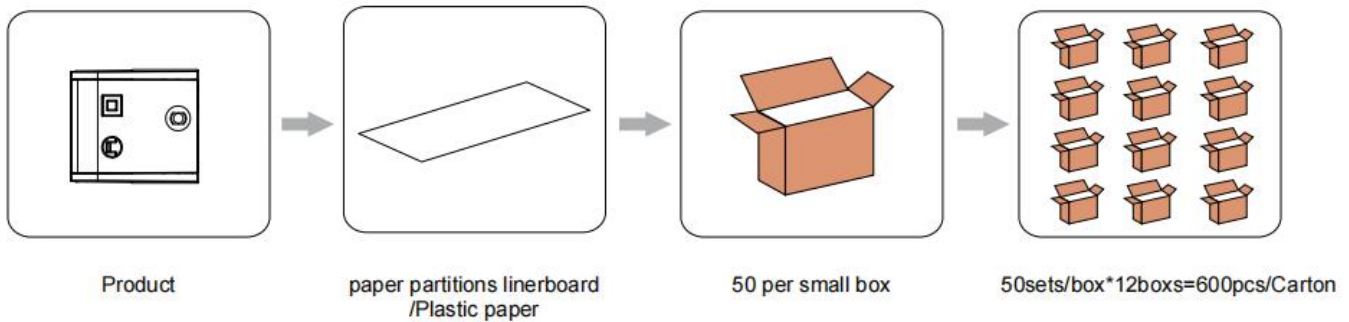
### Inner box

| Carton      | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/ Carton(kg) | Gross weight / Carton(kg) |
|-------------|------------|---------------------|------------------------|---------------------------|
| L*W*H(mm)   |            |                     |                        |                           |
| 223*146*103 | 30         | 0.096               | 2.90                   | 2.96                      |

### Outer box

| Carton      | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/ Carton(kg) | Gross weight / Carton(kg) |
|-------------|------------|---------------------|------------------------|---------------------------|
| L*W*H(mm)   |            |                     |                        |                           |
| 310*235*230 | 120        | 0.096               | 11.60                  | 12.56                     |

### Small Strain reliefs



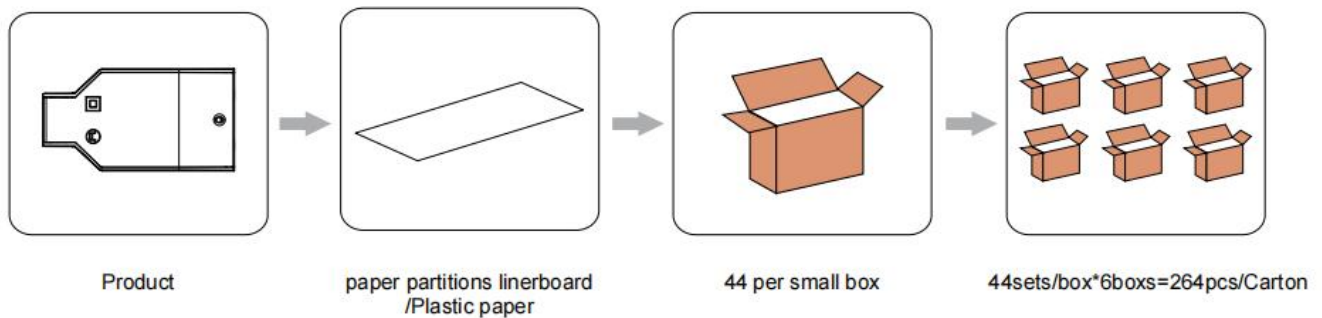
#### Inner box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 180*118*75          | 50         | 0.007               | 0.36                      | 0.47                         |

#### Outer box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 500*195*245         | 600        | 0.007               | 4.26                      | 5.56                         |

### Large Strain reliefs



#### Inner box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 300*180*122         | 44         | 0.052               | 2.30                      | 2.60                         |

#### Outer box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 375*315*385         | 264        | 0.052               | 13.80                     | 15.60                        |

### 7. Ordering Data

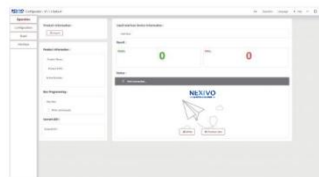
| Model No            | Item code |
|---------------------|-----------|
| CC36W150-900-NFC-NX | 157690    |
| SR_CC_15-23-36_UNI  | 147841    |
| SR_CC_15-23-36_3POL | 151151    |

### 8. NFC current setting:

NFC Reader (optional)

Feature:

Easily on-line read a output current from a driver or write a new current data to a driver throughout NEX·IVO NFC reader within few seconds.



| Model No          | Description                                              | Interface          | Matching antenna  | Zhaga approval | Usage                              |
|-------------------|----------------------------------------------------------|--------------------|-------------------|----------------|------------------------------------|
| ID CPR30+         | Desktop programmer                                       | USB                | Integrated        | Yes            | Single Programming on Desktop      |
| ID ISC.PRH101-USB | Handheld programmer                                      | USB                | Integrated        | Yes            | Single Programming by Handheld     |
| ID ISC.MR102-USB  | Middle range programmer, for connecting external antenna | USB                | RF-MANT12786      | Yes            | Single Programming on Product line |
| ID ISC.LR1002-E   | Long range programmer, for connecting external antenna   | USB, RS232, TCP/IP | ID ISC.ANT310/310 | Yes            | Multi Programming System           |

### APP NFC

#### Feature:

Quickly check output current of a LED driver simply via iPhone smart phone, as well as, correct or setup a new current data immediately with no extra equipment at any job site

#### iPhone ICON



#### Main



#### Download method

1.Scan the QR code to download



2.On your iPhone, search for KGP NFC in APP Store to download it



Phone smartphones with NFC can be downloaded and used directly

#### Download method

1.Scan the QR code to download



Android smartphones with NFC can be downloaded and used directly

#### Android ICON



#### Main



| Product                                                                                                     | Description                  | Interface                    | Matching antenna | Zhaga approval | Usage                                                   |
|-------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------|----------------|---------------------------------------------------------|
| ID ECCO Smart HF-BLE<br> | Handheld wireless programmer | USB,Bluetooth LE V4.2 & V5.0 | Integrated       | Yes            | Handheld programming, installation and maintenance work |

9. REVISION HISTORY

| Date       | Revision | Remark           |
|------------|----------|------------------|
| 2026.16.03 | V0.01    | Product release  |
| 2026.13.07 | V0.02    | Economic Edition |
|            |          |                  |
|            |          |                  |
|            |          |                  |
|            |          |                  |
|            |          |                  |