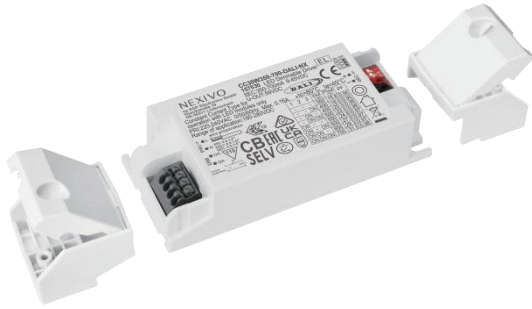




| Model                | Item Code | Output current | Input current | Input power | Output power range | PF   | Efficiency | Output voltage | No load voltage |
|----------------------|-----------|----------------|---------------|-------------|--------------------|------|------------|----------------|-----------------|
| CC30W350-700-DALI-NX | 157530    | 350mA          | 0.09A         | 18.50W      | 3.20-15.80W        | 0.95 | 85%        | 9-45V          | 59V Max.        |
|                      |           | 400mA          | 0.10A         | 21.20W      | 3.60-18.00W        | 0.95 | 85%        |                |                 |
|                      |           | 450mA          | 0.11A         | 23.50W      | 4.10-20.30W        | 0.96 | 86%        |                |                 |
|                      |           | 500mA          | 0.12A         | 26.20W      | 4.50-22.50W        | 0.96 | 86%        |                |                 |
|                      |           | 550mA          | 0.13A         | 28.40W      | 5.00-24.80W        | 0.97 | 87%        |                |                 |
|                      |           | 600mA          | 0.14A         | 31.00W      | 5.40-27.00W        | 0.97 | 87%        |                |                 |
|                      |           | 650mA          | 0.15A         | 33.20W      | 5.90-29.30W        | 0.97 | 88%        |                |                 |
|                      |           | 700mA          | 0.16A         | 35.30W      | 6.30-31.50W        | 0.98 | 89%        |                |                 |

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

### 1. Parameters

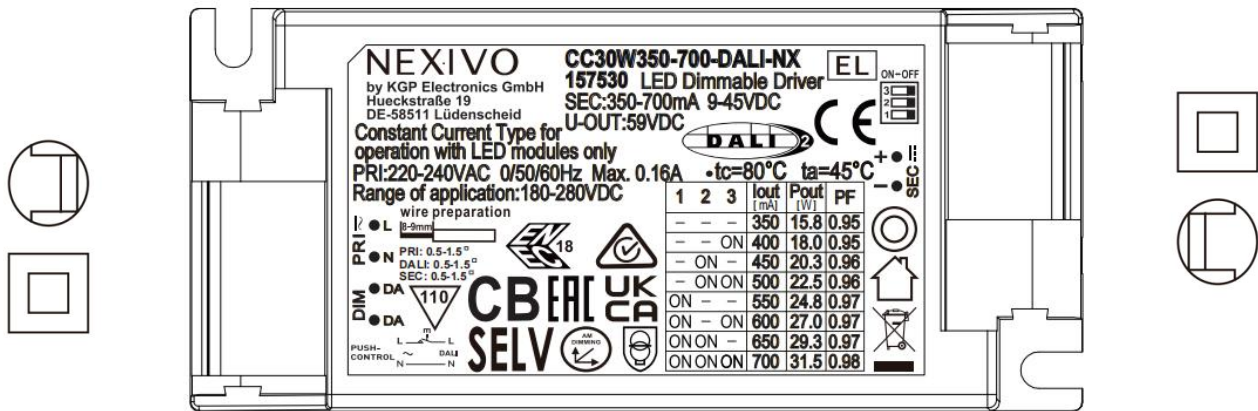
| Category | Item                      | Technical Norm                 |
|----------|---------------------------|--------------------------------|
| Features | Output Type               | Constant Current               |
|          | Dimming Type              | Amplitude (DALI-2)             |
|          | 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             | ≤0.16A                         |
|          | Input Power               | ≤35.30W                        |
|          | Power Factor              | ≥0.98 (230VAC , full load)     |
|          | THD                       | ≤ 6% (230VAC , full load)      |
|          | Standby Power Consumption | ≤0.45W Dim to off, 230VAC      |
|          | Inrush Current            | ≤8.2A/30us (230VAC, full load) |

|                |                                     |                                                                                                                                                                                                                      |
|----------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Connected quantity of 10A Breaker   | 23pcs/type A ; 38pcs/type B ; 60pcs/type C                                                                                                                                                                           |
|                | Connected quantity of 13A Breaker   | 30pcs/type A; 49pcs/type B ; 79pcs/type C                                                                                                                                                                            |
|                | Connected quantity of 16A Breaker   | 38pcs/type A; 60pcs/type B ; 97pcs/type C                                                                                                                                                                            |
|                | Connected quantity of 20A Breaker   | 47pcs/type A; 76pcs/type B ; 121pcs/type C                                                                                                                                                                           |
| Output         | Output Voltage Range                | 9-45VDC@350-700mA                                                                                                                                                                                                    |
|                | No Load Voltage                     | 59VDC Max.                                                                                                                                                                                                           |
|                | Output Current                      | 350-700mA (Factory set current of 350mA)                                                                                                                                                                             |
|                | Max. Output Power                   | 31.5W                                                                                                                                                                                                                |
|                | Efficiency                          | ≥89% 230VAC, full load                                                                                                                                                                                               |
|                | Output LF current ripple (< 120 Hz) | ±3% (Imax-Imin) / (Imax+Imin )                                                                                                                                                                                       |
|                | Current Accuracy                    | ±5%                                                                                                                                                                                                                  |
|                | PSTLM                               | ≤1                                                                                                                                                                                                                   |
|                | SVM                                 | ≤0.4                                                                                                                                                                                                                 |
|                | Starting Time (AC mode)             | ≤0.8S (230VAC, full load, by DALI system)                                                                                                                                                                            |
|                | Starting Time (DC mode)             | ≤0.4S                                                                                                                                                                                                                |
|                | Switching over time (AC/DC)         | ≤0.4S                                                                                                                                                                                                                |
| Control Method | Secondary PUSH dimming              | Secondary PUSH dimming (Max. lead wire length: 20m, same port of DALI)                                                                                                                                               |
|                | PUSH-button                         | Max parallel connections qty for Push-dim 15                                                                                                                                                                         |
|                | DALI function                       | DALI dimming (Max. lead wire length: 300m )<br>logarithm or linear dimming curve selectable                                                                                                                          |
|                | Dimming range                       | DALI dimming:1%-100%                                                                                                                                                                                                 |
| 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 @230V input                                                                                                                                                                                        |
| Environment    | Ta/Operation Temperature            | -20....+45℃                                                                                                                                                                                                          |
|                | Ts/Storage Temperature              | -20....+80℃                                                                                                                                                                                                          |
|                | Tc/Enclosure Temperature            | 80℃                                                                                                                                                                                                                  |
|                | Humidity                            | 10%.... 90%RH                                                                                                                                                                                                        |
|                | Atmosphere                          | 86-108KPa                                                                                                                                                                                                            |
| Construction   | Connection Method                   | Push-in Terminal                                                                                                                                                                                                     |
|                | Installation                        | Build-in & Independent                                                                                                                                                                                               |
|                | PRI Wire preparation                | PVC,VDE certificated,0.5-1.5 ,with 8mm tin                                                                                                                                                                           |
|                | SEC Wire preparation                | PVC,VDE certificated,0.5-1.5 ,with 8mm tin                                                                                                                                                                           |
|                | DALI Wire preparation               | PVC,VDE certificated,0.5-1.5 ,8mm                                                                                                                                                                                    |
|                | 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                           | 97.5*44*23mm (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                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DALI Performance | EN 62386-101 (DALI-2)<br>EN 62386-102 (DALI-2)<br>EN 62386-207 (DALI-2, including part 251, 252, 253)                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Surge            | L/N-Ground:2kV; L-N:1kV                                                                                                                                                                                                                            |
| Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RoHS             | complied to 2011/65/EU                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Life Time        | 15000h Tc=95°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | 30000h Tc=90°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | 40000h Tc=85°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | 50000h Tc=80°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | 75000h Tc=75°C                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | 100000h Tc=70°C                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Warranty         | 5years , F.R. < 10000ppm                                                                                                                                                                                                                           |
| <b>Remark:</b><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.<br>3.Please make sure Tc under Lifetime condition when long term operate under DC input.<br>4.DC emergency (DCemDim):Default 15%, EOFx range = 1 .. 100% (EOFx = DCemDIM level)<br>5.During the PUSH DIM test, the number of parallel connections must be less than 15PCS. |                  |                                                                                                                                                                                                                                                    |

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

### 2. Label

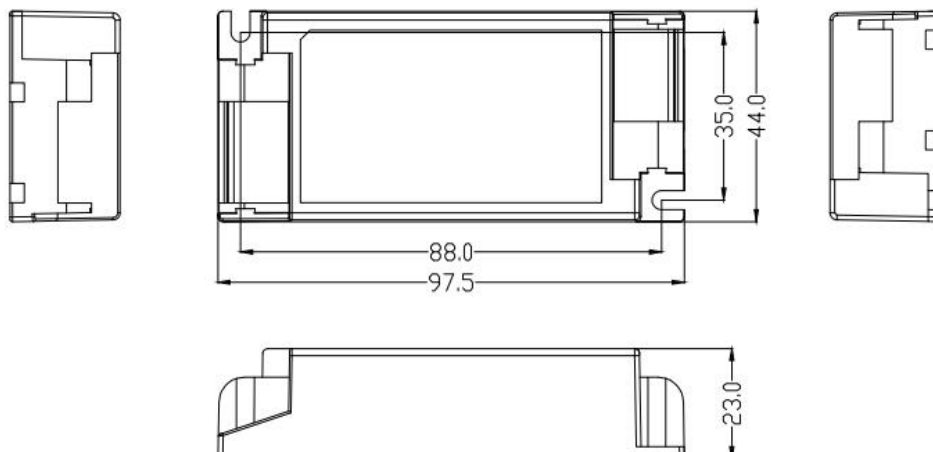


### 3. Output current setting

| Output Current | 1  | 2  | 3  |
|----------------|----|----|----|
| 350mA          | -  | -  | -  |
| 400mA          | -  | -  | ON |
| 450mA          | -  | ON | -  |
| 500mA          | -  | ON | ON |
| 550mA          | ON | -  | -  |
| 600mA          | ON | -  | ON |
| 650mA          | ON | ON | -  |
| 700mA          | ON | ON | ON |

### 4. Dimension (Unit: mm)

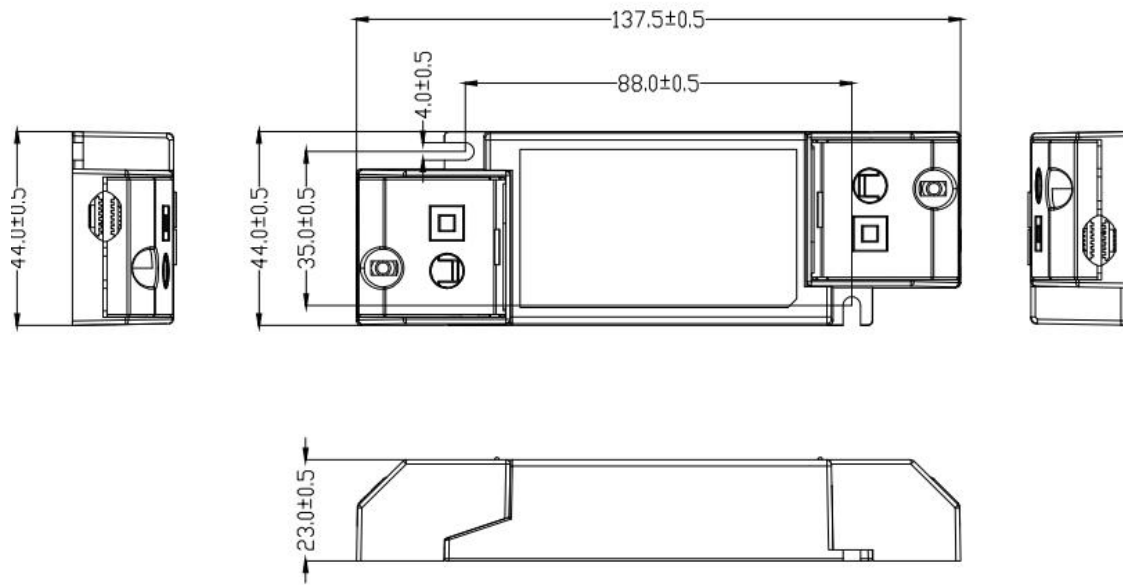
Built in type:



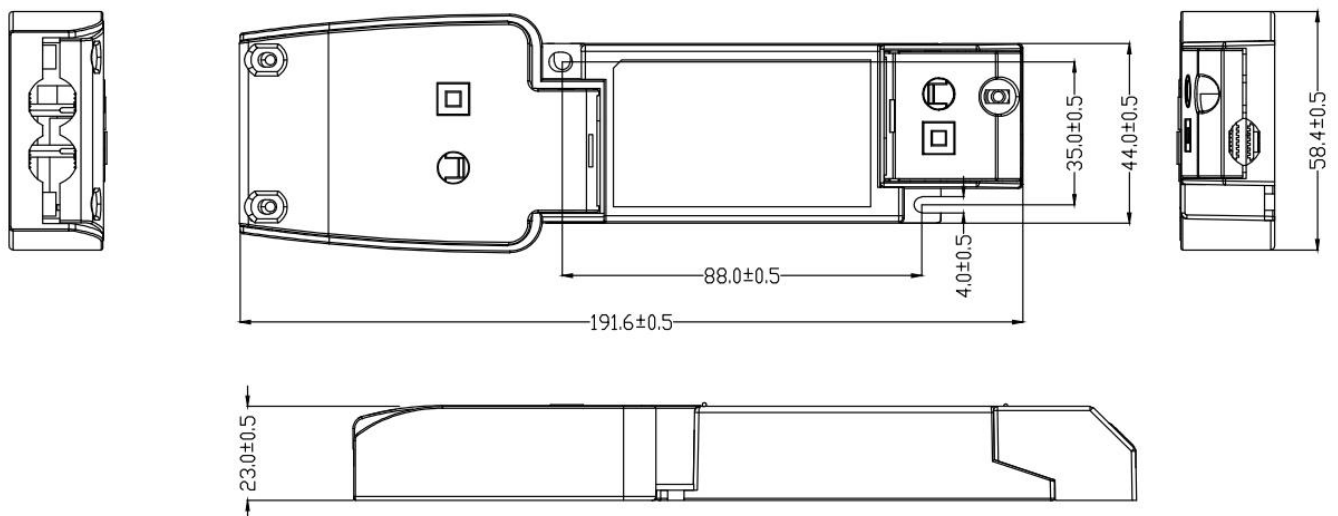
**Compatible Small Strain reliefs:SR\_CC21-30-44**

**Compatible Large Strain reliefs:SR\_CC21-30-44\_5POL**

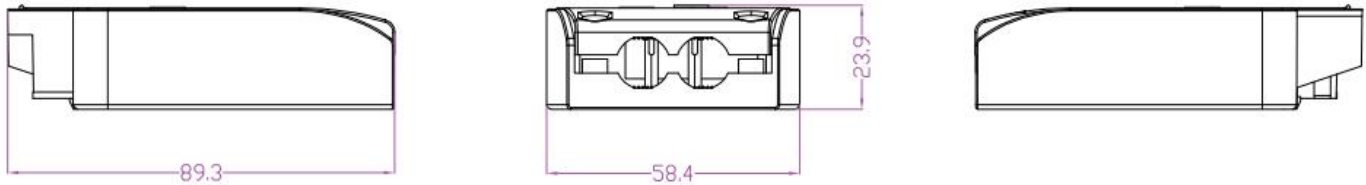
### Small Strain reliefs



### Large Strain reliefs



### Large Strain reliefs specifications



Tolerance for dimensions  $\pm 0.1$  mm

### Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 57.4-59.4 x 22.9-24.9 mm

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

Ambient temperature range: -25...+45 °C

Storage temperature range: -40...+80 °C

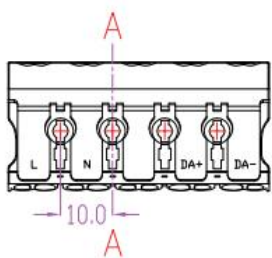
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

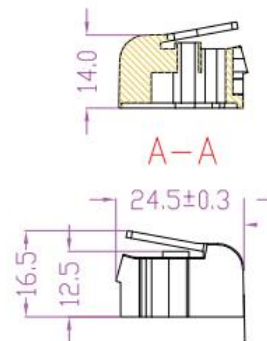
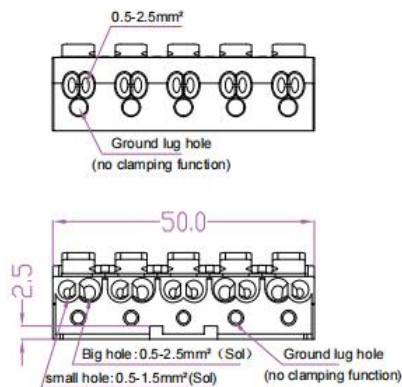
\*Unless otherwise stated in the driver datasheet (for independent installation).

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

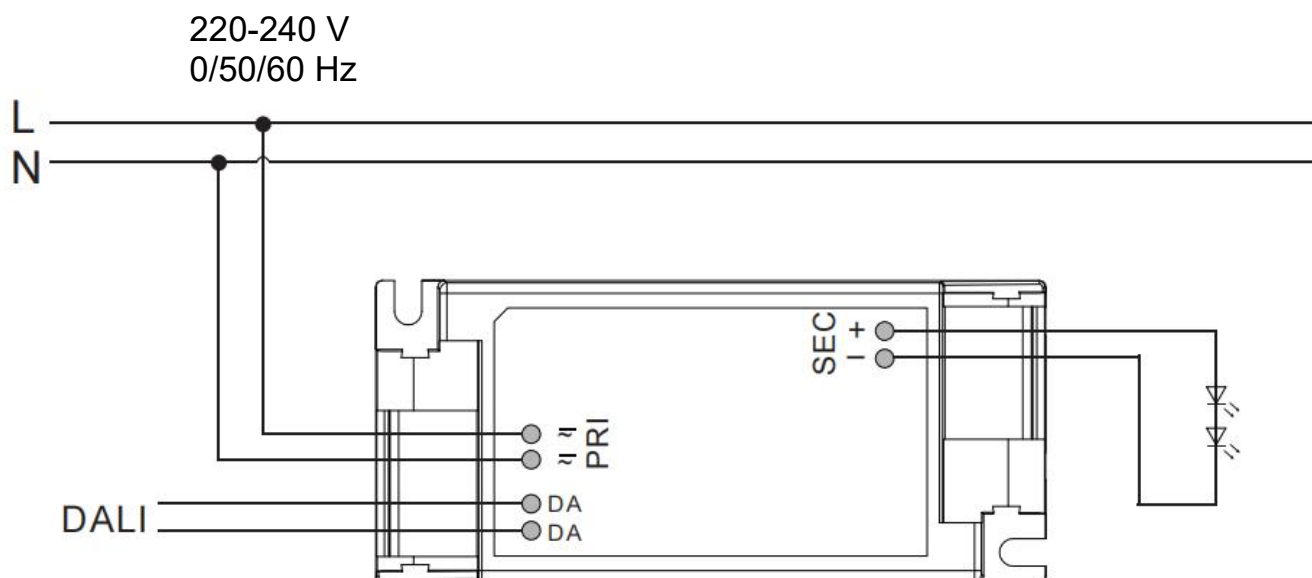
### Terminal



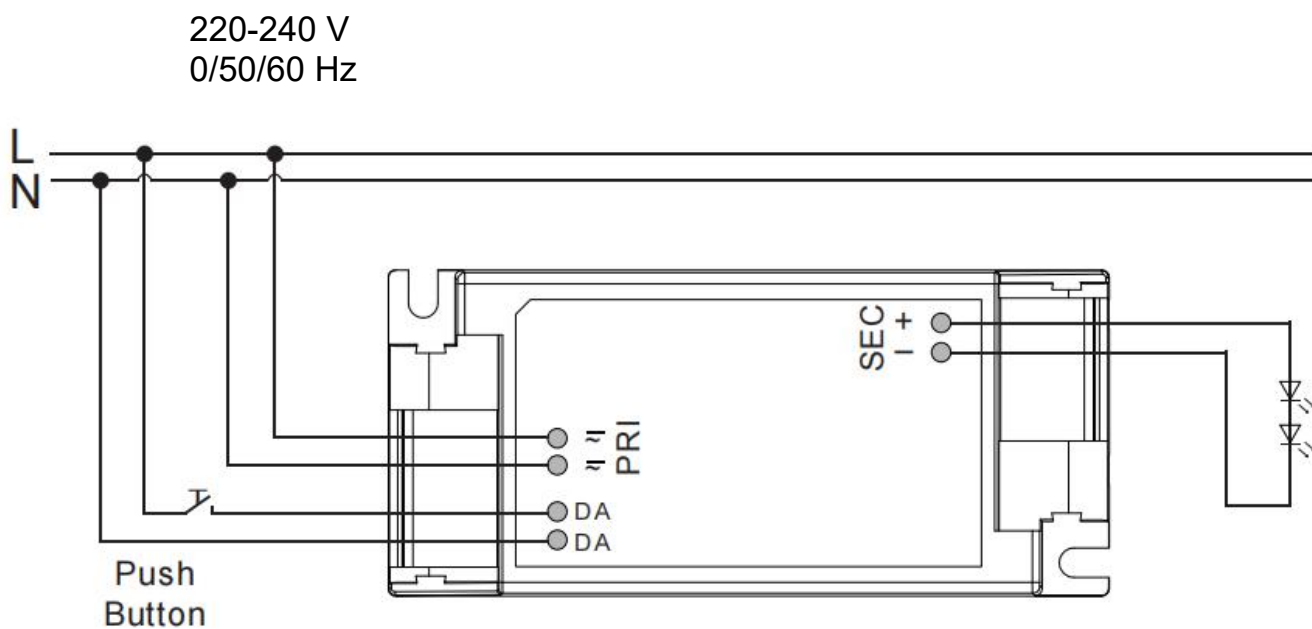
5 - pole connector for DA / CC drivers with LC-SRB-LOOP



### 5. Wiring Diagram



### Push Dimming

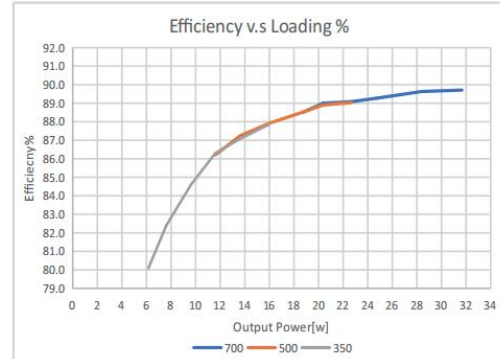


### 6. Electrical values

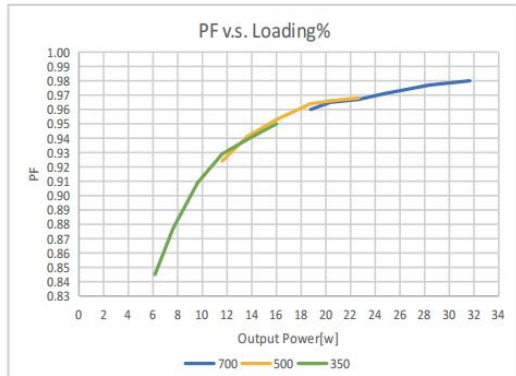
#### 1. Operating power windows



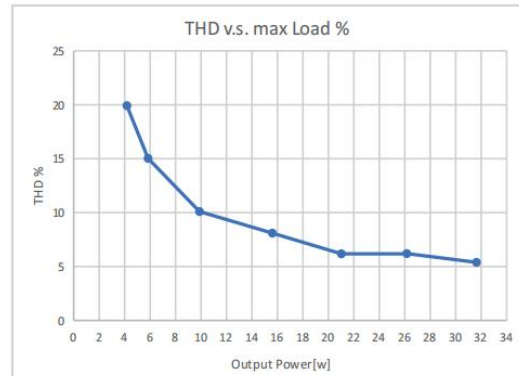
#### 2. Efficiency v.s. Load



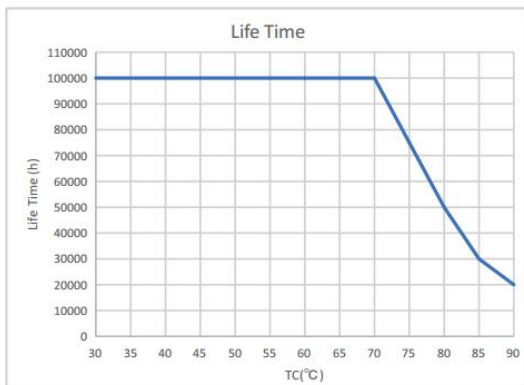
#### 3. PF v.s. Load



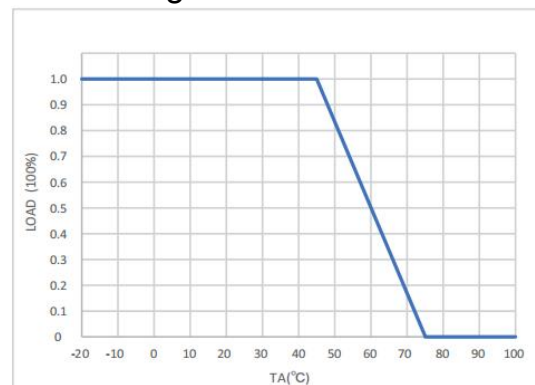
#### 4. THD v.s. Load



#### 5. Life time



#### 6. Derating



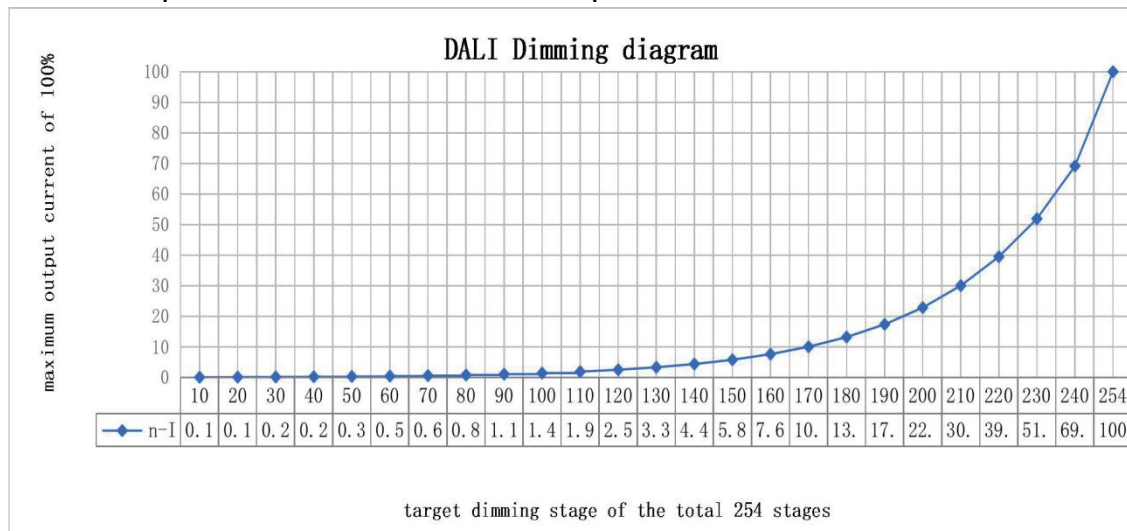
### 7. DALI dimming curve

formula for DALI dimming.

$$X(n)=10^{\{[(n-1)/(253/3)]-1\}},$$

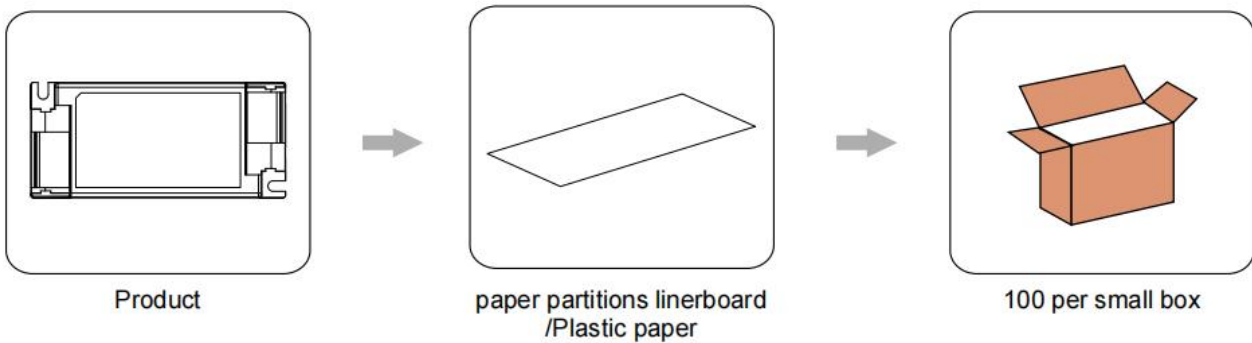
Here, n means the target dimming stage of the total 254 stages.

X(n) means the percent of the maximum output current



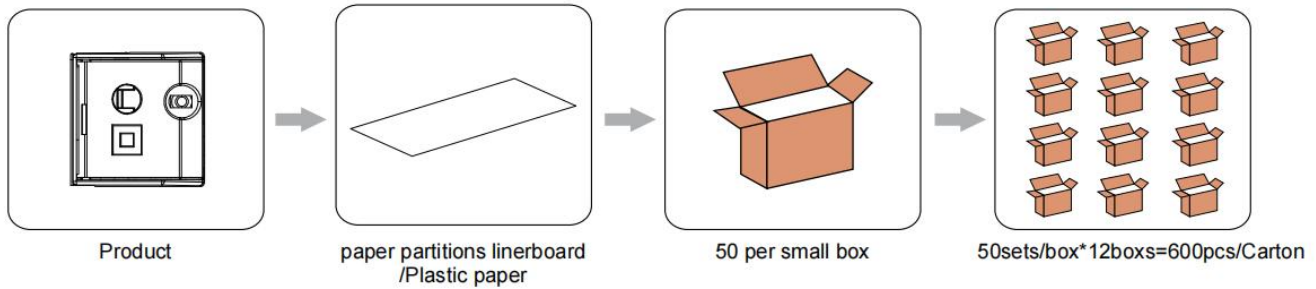
### 8. Packing information

#### Built-in type



| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 398*230*130         | 100        | 0.092               | 9.21                      | 9.56                         |

### Strain reliefs



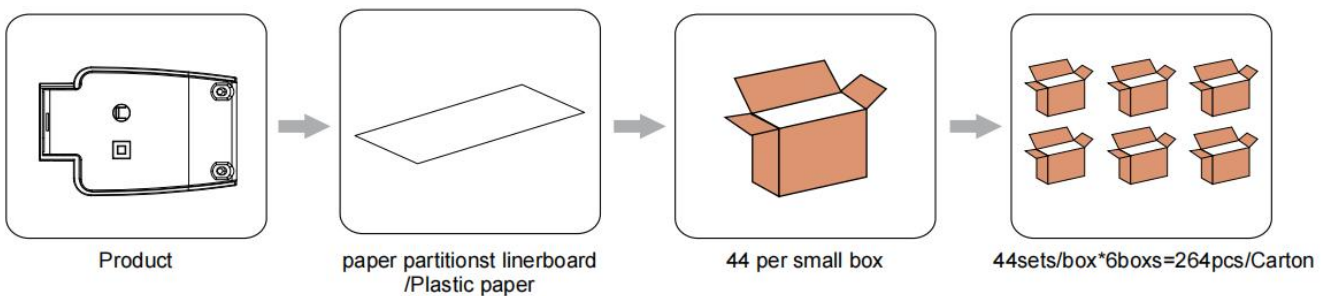
#### Inner box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 224*138*90          | 50         | 0.008               | 0.40                      | 0.76                         |

#### Outer box

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 460*430*195         | 600        | 0.008               | 4.26                      | 4.76                         |

### 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         | 0.059               | 2.63                      | 2.78                         |

#### 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        | 0.059               | 15.72                     | 17.26                        |

## 9. Ordering Data

| Model No             | Item code |
|----------------------|-----------|
| CC30W350-700-DALI-NX | 157530    |
| SR_CC_21-30-44       | 147921    |
| SR_CC_21-30-44_5POL  | 147941    |

## 10. Constant light output (CLO)

<https://www.kdocs.cn/l/cbWalbA1eiBv>

## 11. Push Dim :

### 12.1 On / off:

Short push (120ms-600ms) on the switch

Stepless dimming: long push (> 0.6sec) on the switch

### 12.2 Power-on memory function

When the LED driver is powered on, it will restore the memory before the LED driver is powered off. (brightness remembers the brightness after the last dimming is stable, and the brightness during dimming is not memorized)

### 12.3 Light on/off

If the light is on, the light will be off after a short press. If the light is off, the light will be on after a short press. The time range of short press is 120-600ms.

### 12.4 PUSH Dimming

Press and hold the push switch for a long time, the light will enter the dimming state, if the previous time is dimming, it will automatically turn to dimming the next time. After releasing the reset button, the dimming stops and the current illuminance is maintained. The dimming range is 1%-100%. The default is to dim when the power is first long-press. If the brightness of the power-on is the maximum brightness, the first long-press is to dim. (Long press 0.6-3S to start dimming.)

### 12.5 Forced synchronization

Long press for 10 seconds to turn on all the lights and turn on the same brightness (50%), and continue to quickly short press will not change. After a short period of time without short press operation, the module exits the synchronization mode, and the short press restores the switch function.

### 12.6 PUSH Dimming rate

Long press the push switch 10S to switch the dimming rate to 3S, Long press the push switch 20S to switch the dimming rate to 6S.

12. REVISION HISTORY

| Date       | Revision | Remark          |
|------------|----------|-----------------|
| 2026.16.03 | V0.01    | Product release |
|            |          |                 |
|            |          |                 |
|            |          |                 |
|            |          |                 |
|            |          |                 |
|            |          |                 |