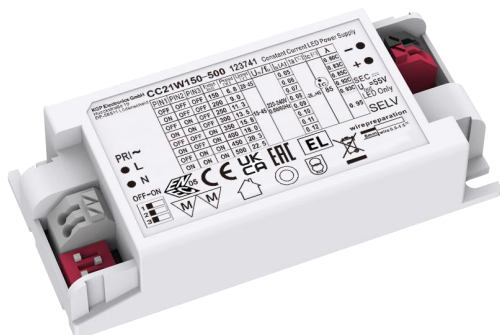




| Model        | Item Code | Output current | Input current | Input power | Output power range | PF   | Efficiency | Output voltage | No load voltage |
|--------------|-----------|----------------|---------------|-------------|--------------------|------|------------|----------------|-----------------|
| CC21W150-500 | 123741    | 150mA          | 0.05A         | 8.2W        | 2.3-6.8W           | 0.80 | 80%        | 20-45V         | 55V             |
|              |           | 200mA          | 0.06A         | 11.3W       | 3.0-9.0W           | 0.83 | 80%        | 20-45V         |                 |
|              |           | 250mA          | 0.07A         | 13.4W       | 3.8-11.3W          | 0.85 | 83%        |                |                 |
|              |           | 300mA          | 0.08A         | 15.9W       | 4.5-13.5W          | 0.92 | 83%        |                |                 |
|              |           | 350mA          | 0.09A         | 18.1W       | 5.3-15.8W          | 0.93 | 85%        |                |                 |
|              |           | 400mA          | 0.10A         | 20.7W       | 6.0-18.0W          | 0.95 | 86%        |                |                 |
|              |           | 450mA          | 0.11A         | 23.0W       | 6.8-20.3W          |      | 88%        |                |                 |
|              |           | 500mA          | 0.12A         | 25.6W       | 7.5-22.5W          |      |            |                |                 |

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

### 1. Parameters

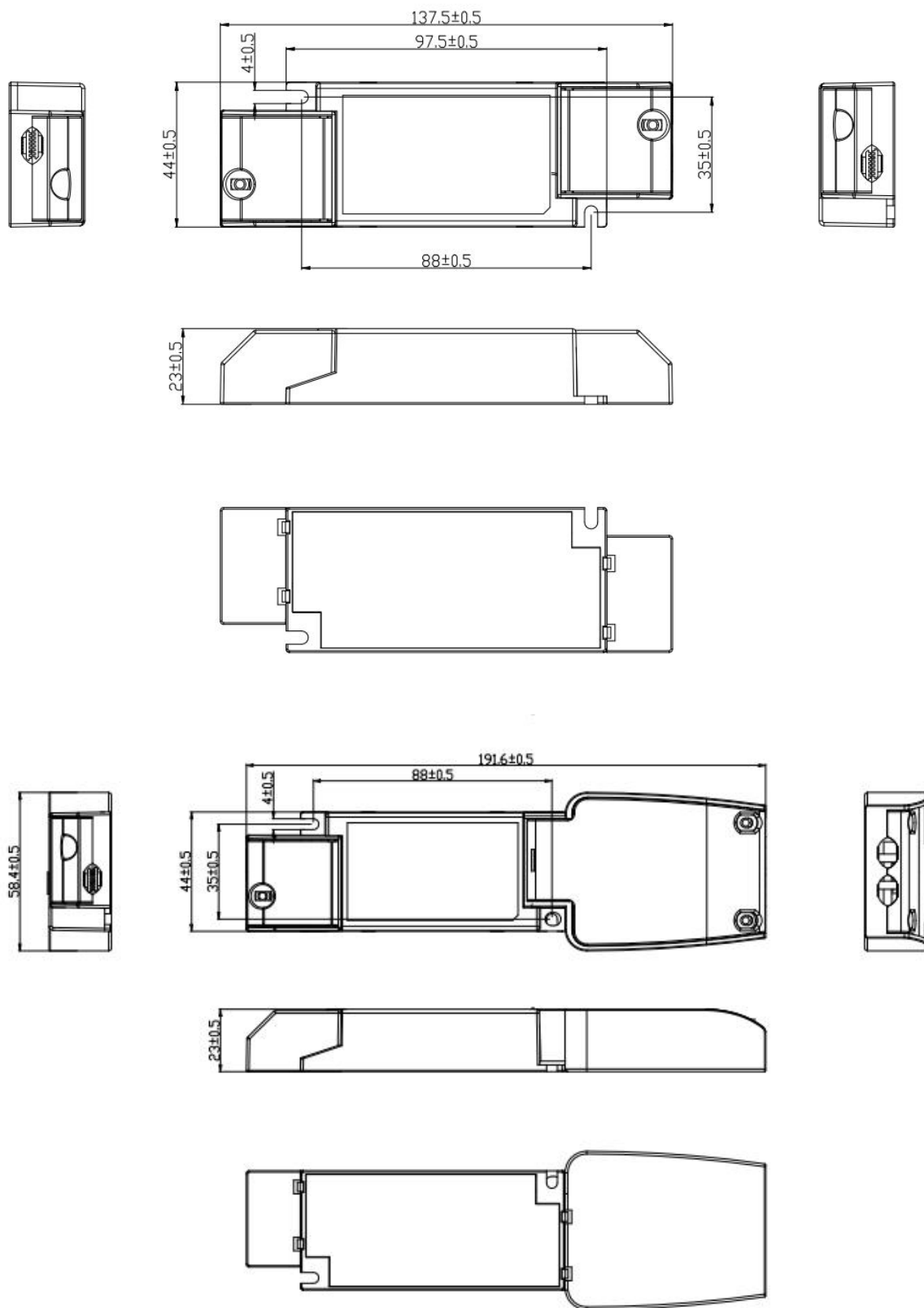
| Category | Item                              | Technical Norm                              |
|----------|-----------------------------------|---------------------------------------------|
| Features | Output Type                       | Constant Current                            |
|          | IP Grade                          | IP20                                        |
|          | Insulation Class                  | Class II                                    |
| Input    | Rated Input Voltage               | 220-240VAC                                  |
|          | Range of Input Voltage            | 198-264VAC                                  |
|          | Range of DC Input Voltage         | 170-276VDC                                  |
|          | Frequency                         | 50/60Hz                                     |
|          | Input Current                     | ≤0.130A                                     |
|          | Input Power                       | ≤23W                                        |
|          | Power Factor                      | ≥0.90 (230VAC , fullload)                   |
|          | THD                               | ≤ 10% (230VAC , fullload)                   |
|          | No-load Power Consumption         | ≤0.5W @230VAC                               |
|          | Inrush Current                    | ≤21A/ 180us (230VAC,Full-load)              |
|          | Connected quantity of 10A Breaker | 19pcs/type A ; 31pcs/type B ; 50pcs/type C  |
|          | Connected quantity of 16A Breaker | 31pcs/type A ; 50pcs/type B ; 80pcs/type C  |
|          | Connected quantity of 20A Breaker | 39pcs/type A ; 63pcs/type B ; 101pcs/type C |

|              |                          |                                                                                                                                                                                                                      |
|--------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output       | Current Accuracy         | ±5%                                                                                                                                                                                                                  |
|              | Max. Output Power        | 22.5W                                                                                                                                                                                                                |
|              | Started Delay Time       | ≤0.5S (230VAC , full load)                                                                                                                                                                                           |
|              | Current Ripple           | ±3% (Imax-Imin) / (Imax+Imin)                                                                                                                                                                                        |
|              | PSTLM                    | ≤ 1                                                                                                                                                                                                                  |
|              | SVM                      | ≤0.4                                                                                                                                                                                                                 |
| Protection   | Short Circuit Protection | Auto Recovery                                                                                                                                                                                                        |
|              | Overload Protection      | Auto Recovery                                                                                                                                                                                                        |
|              | No-load Protection       | Auto Recovery                                                                                                                                                                                                        |
|              | Insulation voltage       | I/P to O/P , 3KVac/1min                                                                                                                                                                                              |
|              | Insulation resistance    | >100M ohm @ 500VDC                                                                                                                                                                                                   |
|              | Leakage current          | I/P to O/P < 250 μA                                                                                                                                                                                                  |
| Environment  | Ta/Operation Temperature | 7-22.5W: -20 ... +45℃;                                                                                                                                                                                               |
|              | Ts/Storage Temperature   | -40 ... +85℃                                                                                                                                                                                                         |
|              | Tc/Enclosure Temperature | 85℃                                                                                                                                                                                                                  |
|              | 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- 1.5mm <sup>2</sup> , with 8mm tin                                                                                                                                                        |
|              | 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                | Independent:137.5*44*23mm (L*W*H)<br>Built in:97.5*44*23mm(L*W*H)                                                                                                                                                    |
| Standards    | Certification            | CE/ENEC                                                                                                                                                                                                              |
|              | Safety Standards         | EN61347- 1,EN61347-2- 13                                                                                                                                                                                             |
|              | EMC Standards            | EN55015,EN61000-3-2,EN61000-3-3,EN61547                                                                                                                                                                              |
|              | Performance              | EN62384                                                                                                                                                                                                              |
|              | Surge                    | L-N/ 1.5KV                                                                                                                                                                                                           |
| Others       | RoHS                     | Complied to 2011/65/EU                                                                                                                                                                                               |
|              | Life Time                | 50000h Tc=85℃                                                                                                                                                                                                        |
|              |                          | 75000h Tc=75℃                                                                                                                                                                                                        |
|              |                          | 100000h Tc=70℃                                                                                                                                                                                                       |
|              | Warranty                 | 5years , F.R. <10%                                                                                                                                                                                                   |

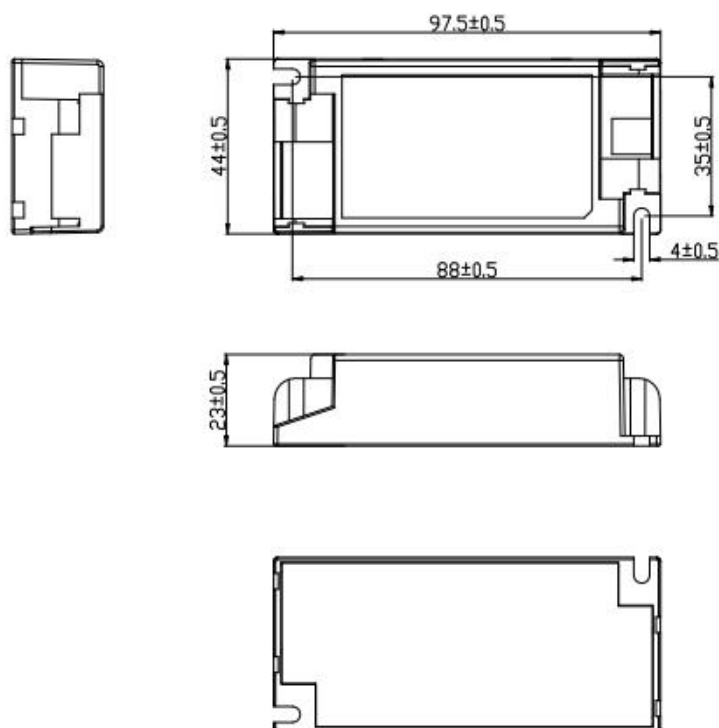
**Remark:**

- 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ambient temperature.
- 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.
3. Please make sure Tc under Lifetime condition when long term operate under DC input.
4. Light output level in DC operation: (factory default = 100 %, EOFi = 1).

### 2. Dimension



Built in type:



### 3. Label

**KGP Electronics GmbH**  
Hueckstraße 19  
DE-58511 Lüdenscheid

**CC21W150-500 123741** Constant Current LED Power Supply

| PIN1 | PIN2 | PIN3 | I <sub>rated</sub><br>[mA] | P <sub>rated</sub><br>[W] | U <sub>rated</sub><br>[V] | U <sub>N</sub> /f <sub>N</sub> | I <sub>N</sub> [A] | t <sub>a</sub> [°C] | t <sub>c</sub> [°C] | λ     |
|------|------|------|----------------------------|---------------------------|---------------------------|--------------------------------|--------------------|---------------------|---------------------|-------|
| OFF  | OFF  | OFF  | 150                        | 6.8                       | 20-45                     | 220-240V<br>0.50/60Hz          | 0.05               | -20...+45           | 85                  | 0.80C |
| ON   | OFF  | OFF  | 200                        | 9.0                       | 15-45                     |                                | 0.06               |                     |                     | 0.83C |
| OFF  | ON   | OFF  | 250                        | 11.3                      |                           |                                | 0.07               |                     |                     | 0.85C |
| ON   | ON   | OFF  | 300                        | 13.5                      |                           |                                | 0.08               |                     |                     | 0.92C |
| OFF  | OFF  | ON   | 350                        | 15.8                      |                           |                                | 0.09               |                     |                     | 0.93C |
| ON   | OFF  | ON   | 400                        | 18.0                      |                           |                                | 0.10               |                     |                     | 0.95  |
| OFF  | ON   | ON   | 450                        | 20.3                      |                           |                                | 0.11               |                     |                     |       |
| ON   | ON   | ON   | 500                        | 22.5                      |                           |                                | 0.12               |                     |                     |       |

**PRI ~**  
● L  
● N

**OFF → ON**

**05** **CE** **UK** **CA** **EAC** **EL**

**wirepreparation**  
8mm wire 0.5-1.5

**SEC** **U<sub>out</sub> = 55V** **LED Only** **SELV**

### 4. 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*150         | 100        | 0.084               | 8.4                       | 9.6                          |

#### Small side cover

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 500*195*260         | 600        | 0.0087              | 5.3                       | 6.71                         |

#### Large side cover

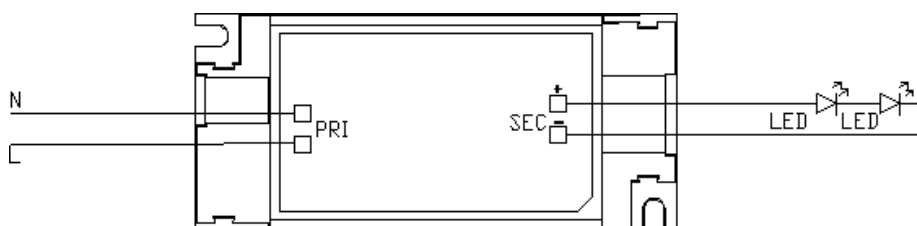
| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 375*315*385         | 300        | 0.041               | 12.3                      | 14.3                         |

### 5. Ordering data

| Model No              | Item code |
|-----------------------|-----------|
| CC21W150-500          | 123741    |
| SR_CC21-30-44-80      | 147921    |
| SR_CC21-30-44-80_3POL | 147931    |
| SR_CC21-30-44-80_5POL | 147941    |

### 6. Wiring Diagram

Built in type:



### 7. Revision history

| Date       | Version | Remark                   |
|------------|---------|--------------------------|
| 2023-06-27 | V1.0    | Initial release.         |
| 2023-07-19 | V2.0    | Secondary version        |
| 2023-08-18 | V3.0    | Font & format adjustment |
| 2023-08-31 | V4.0    | Change Tc to 85°C        |
| 2025-08-03 | V5.0    | Add item code            |