**Constant Current & Dimmable Driver**

**Model: CC20W350-500CG Triac**
**CC20W500-700CG Triac**
**CC20W700-900CG Triac**

| Model | Output Current | Input Current | Input Power | Output Power Range | PF | Efficiency | Output Voltage | No load Voltage |
|---|---|---|---|---|---|---|---|---|
| CC20W350-500CG Triac | 350mA | 0.13A | 19W | 9.1-13.3W | 0.92 | 83% | 26-38V | 55V |
| | 400mA | 0.13A | 21W | 10.4-15.2W | 0.92 | 83% | 26-38V | 55V |
| | 450mA | 0.15A | 23W | 11.7-17.1W | 0.92 | 84% | 26-38V | 55V |
| | 500mA | 0.15A | 25W | 13-19W | 0.92 | 84% | 26-38V | 55V |
| CC20W500-700CG Triac | 500mA | 0.13A | 19W | 7.5-14W | 0.92 | 82% | 15-28V | 43V |
| | 550mA | 0.13A | 21W | 8.25-15.4W | 0.92 | 82% | 15-28V | 43V |
| | 600mA | 0.15A | 23W | 9-16.8W | 0.92 | 83% | 15-28V | 43V |
| | 700mA | 0.15A | 25W | 10.5-19.6W | 0.92 | 83% | 15-28V | 43V |
| CC20W700-900CG Triac | 700mA | 0.13A | 19W | 9.8-15.4W | 0.92 | 82% | 14-22V | 35V |
| | 800mA | 0.13A | 21W | 11.2-17.6W | 0.92 | 82% | 14-22V | 35V |
| | 850mA | 0.15A | 23W | 11.9-18.7W | 0.92 | 82% | 14-22V | 35V |
| | 900mA | 0.15A | 25W | 12.6-19.8W | 0.92 | 82% | 14-22V | 35V |

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

## 1. Parameters

| category | Item | Technical Norm |
|---|---|---|
| Features | Output Type | Constant Current |
| | Dimming Type | Phase dimming |
| | Dimming Range | 10%-100% |
| | IP Grade | IP20 |
| | Insulation Class | Class Ⅱ |
| Input | Rated Input Voltage | 220-240VAC_stable |
| | Range of Input Voltage | 198-264VAC_stable or 180-280VDC_stable |
| | Frequency | 50/60Hz |
| | Input Current | ≤0.15A |
| | Input Power | ≤25W |

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| | | |
|---|---|---|
| | Power Factor | ≥0.92 （230VAC,full load） |
| | THD | ≤20% （230VAC,full load） |
| | No-load Power Consumption | ≤1W @230VAC |
| | Inrush Current | ≤20A/10us （230VAC,full load） |
| | Connected quantity of 10A Breaker ：<br>Connected quantity of 13A Breaker ：<br>Connected quantity of 16A Breaker ： | 18pcs/type B ; 30pcs/type C<br>23pcs/type B ; 39pcs/type C<br>28pcs/type B ; 48pcs/type C |
| Output Voltage | CC20W350-500CG Triac | 26-38V |
| | CC20W500-700CG Triac | 15-28V |
| | CC20W700-900CG Triac | 14-22V |
| Output Current | CC20W350-500CG Triac | 350mA/400mA/450mA/500mA |
| | CC20W500-700CG Triac | 500mA/550mA/600mA/700mA |
| | CC20W700-900CG Triac | 700mA/800mA/850mA/900mA |
| No Load Voltage | CC20W350-500CG Triac | 55VDC Max. |
| | CC20W500-700CG Triac | 43VDC Max. |
| | CC20W700-900CG Triac | 35VDC Max. |
| Output | Max. Output Power | 19.8W |
| | Efficiency | ≥84% |
| | Current Ripple（<120Hz） | ±5% (Imax-Imin)/(Imax+Imin) |
| | PstLM | ≤1 |
| | SVM | ≤0.4 |
| | Current Accuracy | ±5% |
| | Started Delay Time | ≤0.5S （230VAC,full load） |
| Protection | Short Circuit Protection | Auto Recovery |
| | Overload Protection | Auto Recovery |
| | No-load Protection | Auto Recovery |
| | Insulation voltage | I/P to O/P , 3.75KVac/1min |
| | Ta/Operation Temperature | -20….+50℃ |
| Environment | Ts/Storage Temperature | -40….+85℃ |
| | Tc/Enclosure Temperature | 85 ℃ |
| | Humidity | 10%....90%RH |
| | Atmosphere | 86-108KPa |
| | Connection Method | Push-in Terminal |
| Construction | Installation | Independent & Built in |
| | PRI Wire preparation | 0.75-1.5□ |
| | SEC Wire preparation | 0.5-1.5□ |
| | Dimension | Independent:137.6*44*30mm (L*W*H)<br>Built in:97.8*44*30mm(L*W*H) |
| | Certification | complied to CE ENEC SAA |
| Standards | Safety Standards | EN61347-1:2015，EN61347-2-13:2014/A1:2017<br>EN62384:2006/A1:2009 ， AS61347.2.13:2018， |

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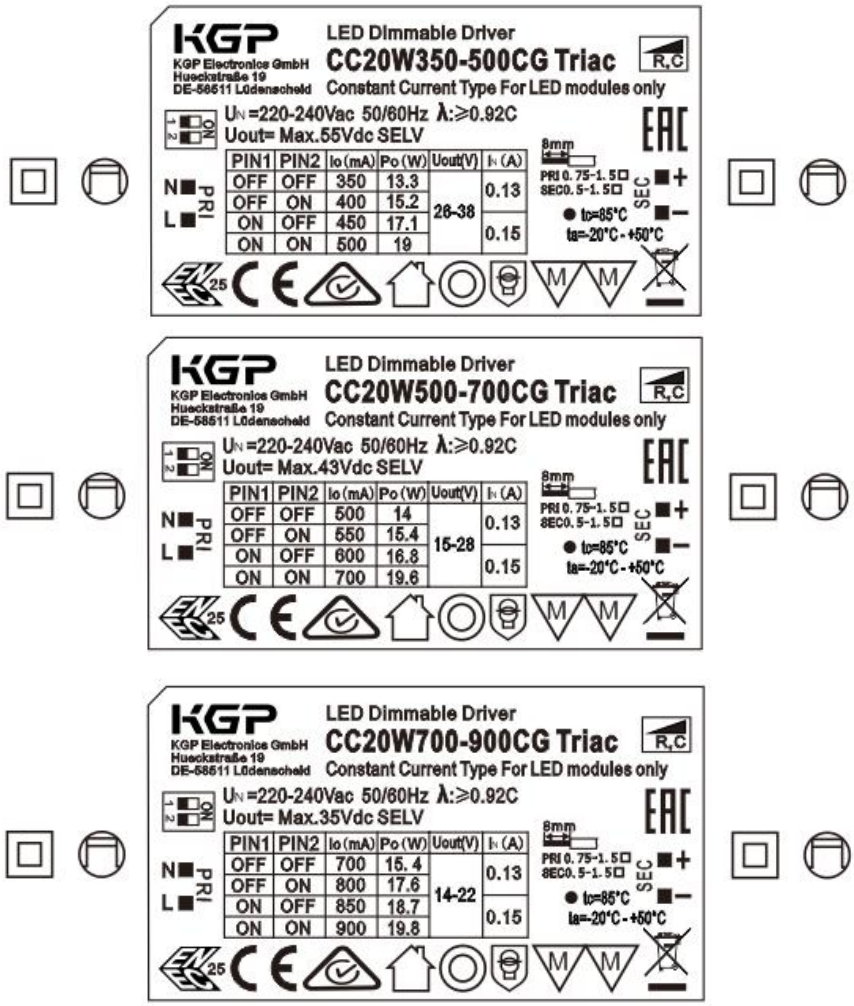
| | | |
|---|---|---|
| | | AS/NZS61347.1:2016 Inc A1 |
| | EMC Standards | EN IEC55015:2019,<br>EN IEC55015:2019/A11:2019,<br>EN IEC61000-3-2:2019,<br>EN 61000-3-3:2013/A1:2019,EN61547:2009 |
| | Performance | EN62384 |
| | Surge | L-N/1KV |
| | RoHS | complied to 2011/65/EU |
| Others | Life Time | 50000h @50℃ (Ta) / 85℃ (Tc) |
| | Warranty | 5years ， F.R. < 10000ppm |
| | Noise | 15cm ＜28dB |
| Remark: 1.Specific instructions are not all parameters are not connect dimmer input voltage 230 vac / 50 Hz and 25 ℃ ambient temperature measured.<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.Trailing edge dimmable. | | |

## 2. Trailing Edge Dimmer list approved by KGP

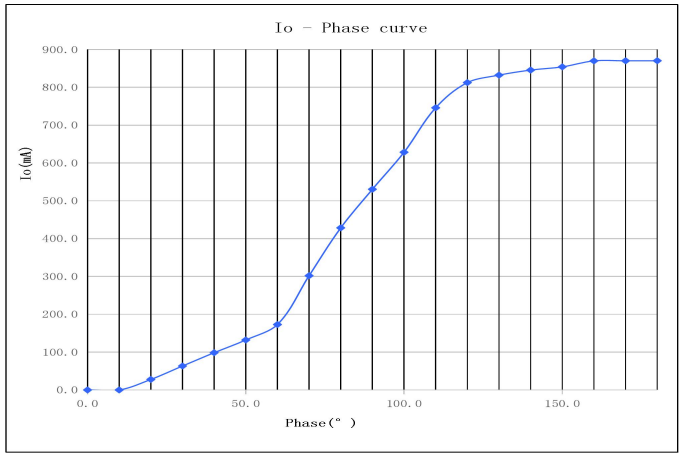
| Manufacturer | Model | Q'ty of parallel connection |
|---|---|---|
| ABB | 6519 U | 12 |
| ABB | 6526 U | 11 |
| JUNG | 1224 LED UDE | 12 |
| Berker | 2861 | 12 |
| JUNG | 254 UDIE 1 | 13 |
| JUNG | 225 TDE | 12 |
| EGANT | U321V2 | 12 |
| Schneider | SBD200LED | 13 |
| Schneider | SBD315RC | 12 |
| Berker | 2874 | 12 |
| Eetako | EUD61NP-230V | 10 |
| Eetako | DTD55L-230Vwg | 10 |
| GIRA | Universal-LED-Dimmer Mini2440 00 | 10 |
| EHMANN | LED-Dimmer T46.08 | 9 |
| JUNG | Drehdlmmer Unlversal LED1731DD | 10 |

***Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronic***

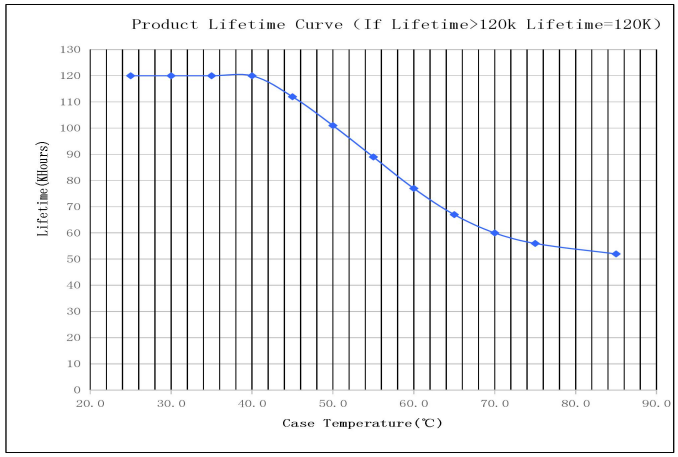
## 3. Label




## 4. Dimming curve

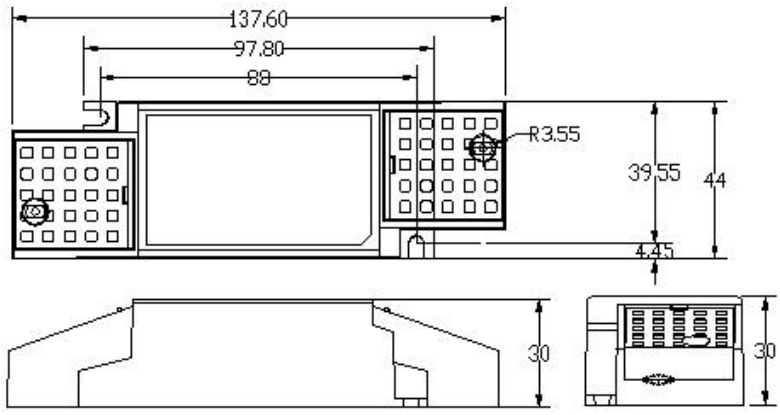


## 5. Lifetime curve

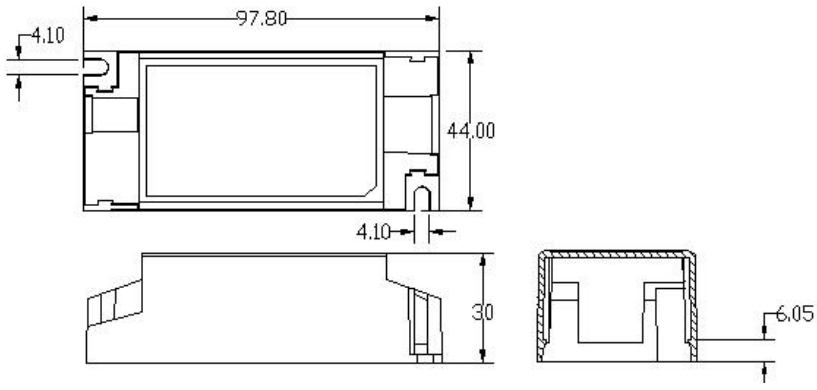



## 6. Dimension （Unit：mm）

Independent type:




Built in type:

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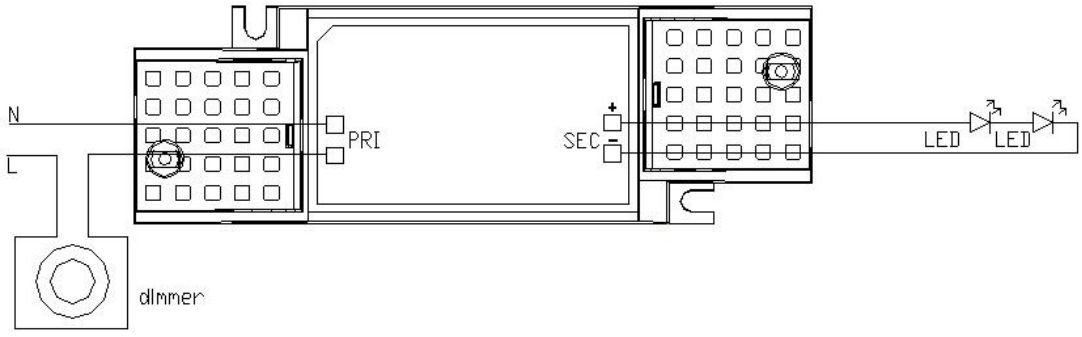
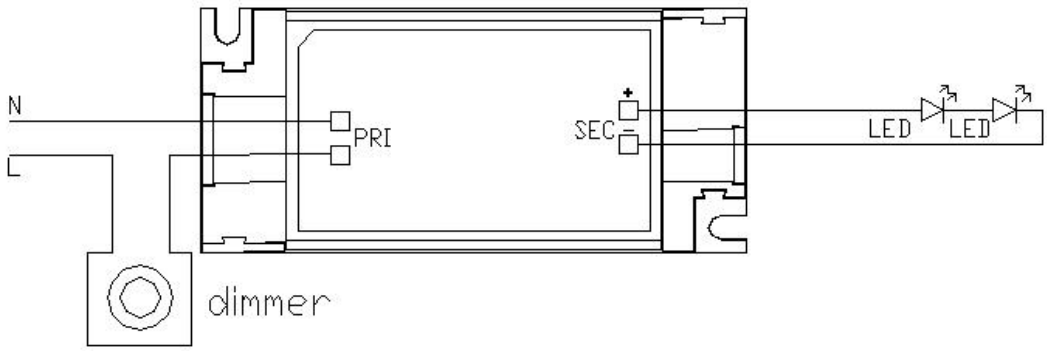
## 7. Packing information

| Carton L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/ Carton(kg) | Gross weight / Carton(kg) |
|---|---|---|---|---|
| 450*240*200 | 70 | 0.105 | 7.35 | 9 |

## 8. Wiring Diagram

Independent type:




Built in type:

• All connections must be kept as short as possible to ensure good EMI behaviour

• Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)

• Advice the maximum length of output wires is 3 m

• Secondary switching is not permitted（Except for constant voltage）

• Incorrect wiring can damage LED modules.

• The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

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