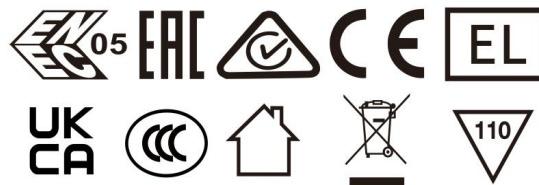


### Constant Current Driver

Model: LC60W200-350



| Model        | Output Current | Input Current | Input Power | Output Power Range | PF   | Efficiency | Output Voltage | No load Voltage |
|--------------|----------------|---------------|-------------|--------------------|------|------------|----------------|-----------------|
| LC60W200-350 | 200mA          | 0.19A         | 38W         | 10.0-34.0W         | 0.95 | 90%        | 50-170V        | 250V            |
|              | 250mA          | 0.23A         | 47W         | 12.5-42.5W         | 0.96 | 91%        |                |                 |
|              | 300mA          | 0.27A         | 56W         | 15.0-51.0W         | 0.97 | 92%        |                |                 |
|              | 350mA          | 0.31A         | 64W         | 17.5-59.5W         | 0.98 | 93%        |                |                 |

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

### 1.Parameters

| category | Item                      | Technical Norm                        |
|----------|---------------------------|---------------------------------------|
| Features | Output Type               | Constant Current                      |
|          | Output Features           | Non-isolation                         |
|          | IP Grade                  | IP20                                  |
|          | Insulation Class          | Class I                               |
| Input    | Rated Input Voltage       | 220-240V                              |
|          | Range of AC Input Voltage | 198-264VAC                            |
|          | Range of DC Input Voltage | 176-280VDC                            |
|          | Frequency                 | 0/50-60Hz                             |
|          | Power Factor              | ≥0.98 (230VAC, full Load, see graphs) |
|          | THD                       | ≤20% (230VAC, full Load, see graphs)  |
|          | No-load Power Consumption | ≤0.5W @230VAC                         |
| Output   | Current Accuracy          | ±5%                                   |
|          | Max. Output Voltage       | 250V                                  |
|          | Started Delay Time        | ≤0.5S (230VAC, full load)             |
|          | Current Ripple(< 120 Hz)  | ±5% (Imax-Imin) / (Imax+Imin)         |
|          | PstLM                     | ≤1                                    |
|          | SVM                       | ≤0.4                                  |

|                                                                                                                                                                                                                                                         |                              |                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                         | Emergency output coefficient | 1                                                                                                                                     |
| Protection                                                                                                                                                                                                                                              | Short Circuit Protection     | Auto Recovery                                                                                                                         |
|                                                                                                                                                                                                                                                         | Overload Protection          | Auto Recovery                                                                                                                         |
|                                                                                                                                                                                                                                                         | No-load Protection           | Auto Recovery                                                                                                                         |
|                                                                                                                                                                                                                                                         | Insulation voltage           | O/P to PE , 1.5KVac/1min<br>I/P to PE , 1.5KVac/1min                                                                                  |
|                                                                                                                                                                                                                                                         | Insulation resistance        | >100M ohm @ 500VDC                                                                                                                    |
|                                                                                                                                                                                                                                                         | Leakage current              | I/P to O/P < 700μA                                                                                                                    |
| Environment                                                                                                                                                                                                                                             | Ta/Operation Temperature     | -20...+55℃                                                                                                                            |
|                                                                                                                                                                                                                                                         | Ts/Storage Temperature       | -30....+85℃                                                                                                                           |
|                                                                                                                                                                                                                                                         | Tc/Enclosure Temperature     | 75℃                                                                                                                                   |
|                                                                                                                                                                                                                                                         | Humidity                     | 10%....90%RH                                                                                                                          |
|                                                                                                                                                                                                                                                         | Atmosphere                   | 86-108KPa                                                                                                                             |
| Construction                                                                                                                                                                                                                                            | Connection Method            | Push-in Terminal                                                                                                                      |
|                                                                                                                                                                                                                                                         | Installation                 | Build-in                                                                                                                              |
|                                                                                                                                                                                                                                                         | PRI Wire preparation         | 0.5-1.5□                                                                                                                              |
|                                                                                                                                                                                                                                                         | SEC Wire preparation         | 0.5-1.5□                                                                                                                              |
|                                                                                                                                                                                                                                                         | Dimension                    | 165*30*21mm (L*W*H)                                                                                                                   |
| Standards                                                                                                                                                                                                                                               | Certification                | CE、ENEC、EAC、UKCA、SAA                                                                                                                  |
|                                                                                                                                                                                                                                                         | Safety Standards             | EN61347-1:2015<br>EN61347-2-13:2014/A1:2017<br>EN62384:2006/A1:2009<br>EN62493:2015<br>AS61347.2.13:2018<br>AS/NZS61347.1:2016 Inc A1 |
|                                                                                                                                                                                                                                                         | EMC Standards                | EN IEC 55015:2019<br>EN61547:2009<br>EN IEC 61000-3-2:2019<br>EN 61000-3-3:2013/A1:2019                                               |
|                                                                                                                                                                                                                                                         | Performance                  | EN62384                                                                                                                               |
|                                                                                                                                                                                                                                                         | Surge                        | L-N:1KV; L/N-PE:2KV;                                                                                                                  |
|                                                                                                                                                                                                                                                         |                              |                                                                                                                                       |
| Others                                                                                                                                                                                                                                                  | RoHS                         | Complied to 2011/65/EU                                                                                                                |
|                                                                                                                                                                                                                                                         | Life Time                    | 50000h                                                                                                                                |
|                                                                                                                                                                                                                                                         | Warranty                     | 5years                                                                                                                                |
| Remark:<br>1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ 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. |                              |                                                                                                                                       |

### 2. Output Current Setting

| Output Current | Dial 1 | Dial 2 |
|----------------|--------|--------|
| 350mA          | ON     | ON     |
| 300mA          | OFF    | ON     |
| 250mA          | ON     | OFF    |
| 200mA          | OFF    | OFF    |

### 3.Connected quantities of different current Breaker

| TYPE   | LC60W200-350 Connected quantities of different current Breaker |                    |                    |                    |                  |                  | Input Voltage | Inrush Current | Time  |
|--------|----------------------------------------------------------------|--------------------|--------------------|--------------------|------------------|------------------|---------------|----------------|-------|
|        | current (A)                                                    | 10                 | 13                 | 16                 | 20               | 25               |               |                |       |
|        | Installation wire diameter                                     | 1.5mm <sup>2</sup> | 2.5mm <sup>2</sup> | 2.5mm <sup>2</sup> | 4mm <sup>2</sup> | 4mm <sup>2</sup> |               |                |       |
| TYPE B |                                                                | 33                 | 43                 | 53                 | 67               | 83               | @230VAC       | 18             | 160us |
| TYPE C |                                                                | 53                 | 69                 | 85                 | 107              | 133              |               |                |       |
| TYPE D |                                                                | 85                 | 111                | 137                | 171              | 213              |               |                |       |

### 4.Label

☐ KGP Electronics GmbH  
Hueckstraße 19  
DE-58511 Lüdenscheid  
☐ N LED Driver  
LC60W200-350  
☐ L Constant Current Type

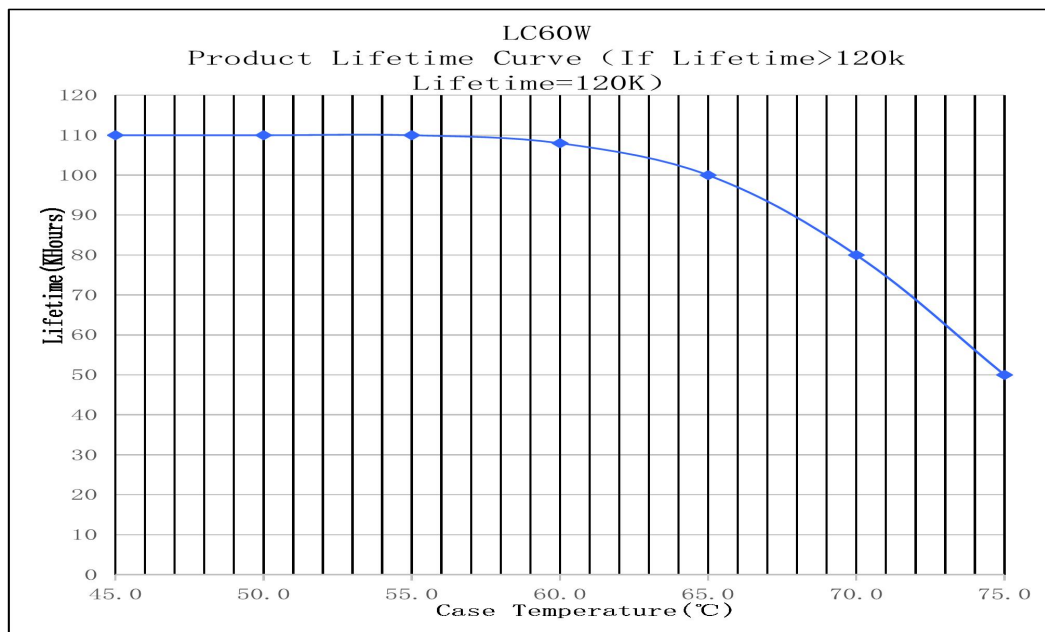
| PIN1 | PIN2 | I <sub>rated</sub> [mA] | P <sub>rated</sub> [W] | U <sub>rated</sub> [V] | U <sub>N</sub> / f <sub>N</sub> | I <sub>N</sub> [A] | t <sub>a</sub> [°C] | λ    |
|------|------|-------------------------|------------------------|------------------------|---------------------------------|--------------------|---------------------|------|
| OFF  | OFF  | 200                     | 34.0                   | 50-170                 | 220-240V<br>0/50-60Hz           | 0.19               | -20...+55           | 0.95 |
| ON   | OFF  | 250                     | 42.5                   |                        |                                 | 0.23               |                     | 0.96 |
| OFF  | ON   | 300                     | 51.0                   |                        |                                 | 0.27               |                     | 0.97 |
| ON   | ON   | 350                     | 59.5                   |                        |                                 | 0.31               |                     | 0.98 |

● tc=75°C

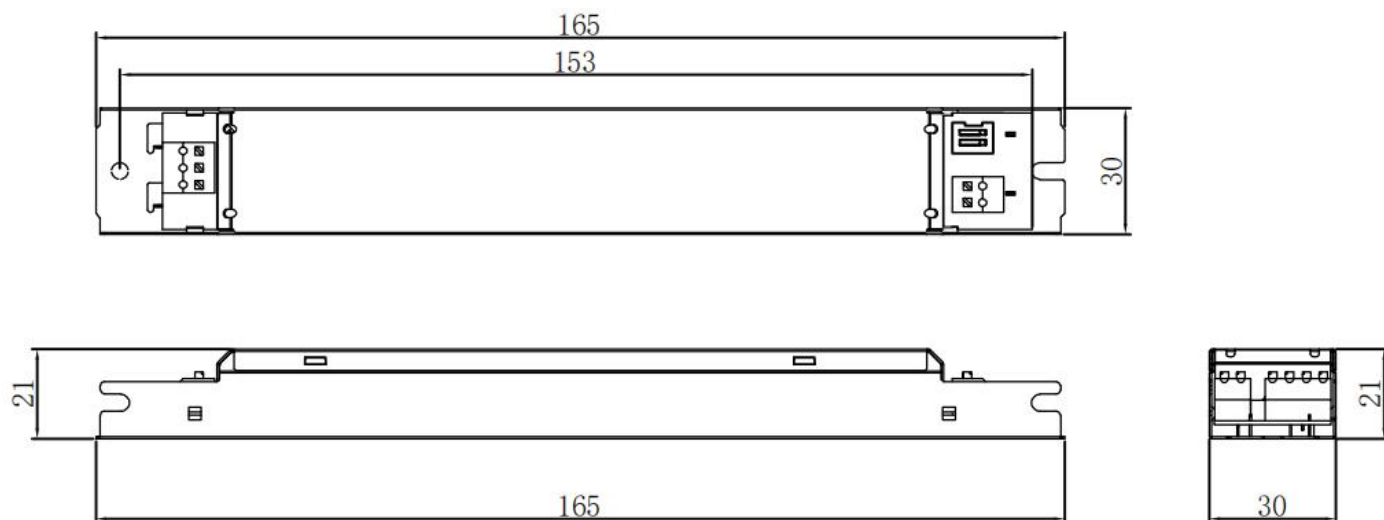
Output

wire preparation

### 5.Lifetime curve



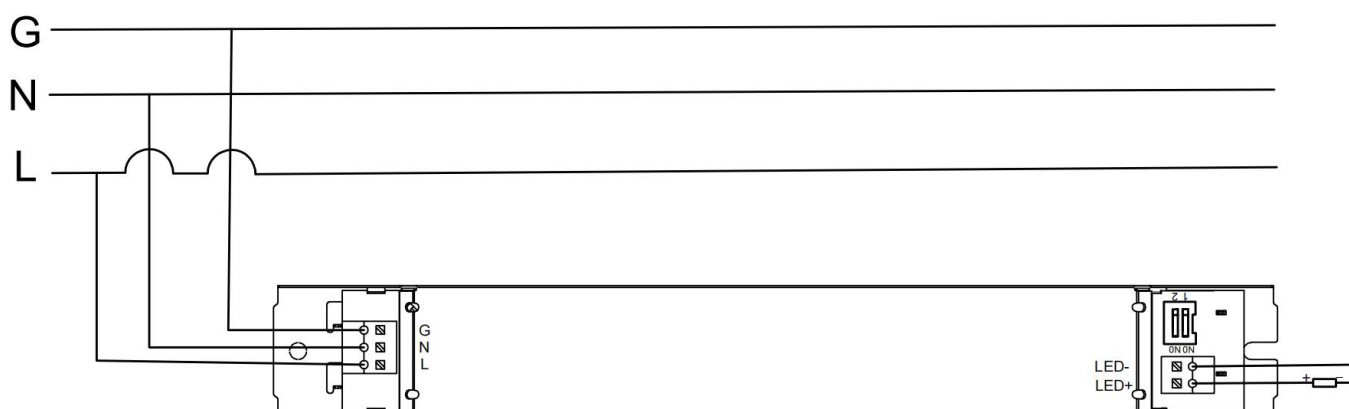
### 6.Dimension (Unit: mm)



### 7.Packing information

| Carton<br>L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/<br>Carton(kg) | Gross weight /<br>Carton(kg) |
|---------------------|------------|---------------------|---------------------------|------------------------------|
| 410*270*160MM       | 60PCS      | T.B.D               | T.B.D                     | T.B.D                        |

### 8.Wiring Diagram



**9.Wiring instructions**

- 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.)
- The lamp controlgear relies upon the luminaire enclosure for protection against accidental contact with live parts.

**10.REVISION HISTORY**

| DATE      | REV. | REMARK           |
|-----------|------|------------------|
| 2023-1-14 | V1.0 | Initial release. |
|           |      |                  |
|           |      |                  |
|           |      |                  |
|           |      |                  |