

Constant Current Driver



Model: LC25W200-350
 LC40W200-350
 LC50W200-350
 LC60W200-350



| Model | Output Current | Input Current | Input Power | Output Power | PF | Efficiency | Output Voltage | No load Voltage |
|--------------|----------------|---------------|-------------|--------------|------|------------|----------------|-----------------|
| LC25W200-350 | 200mA | 0.10A | 19W | 8-13W | 0.75 | 85% | 40-65V | 100V |
| | 250mA | 0.12A | 23W | 10-16.2W | 0.82 | 87% | | |
| | 300mA | 0.14A | 28W | 12-19.5W | 0.9 | | | |
| | 350mA | 0.16A | 32W | 14-22.7W | | | | |
| LC40W200-350 | 200mA | 0.15A | 27W | 15-22W | 0.85 | 87% | 75-110V | 150V |
| | 250mA | 0.18A | 33W | 18.75-27.5W | 0.9 | | | |
| | 300mA | 0.22A | 40W | 22.5-33W | 0.92 | | | |
| | 350mA | 0.25A | 47W | 26.25-38.5W | | | | |
| LC50W200-350 | 200mA | 0.17A | 34W | 20-28W | 0.90 | 87% | 100-140V | 180V |
| | 250mA | 0.22A | 43W | 25-35W | 0.92 | | | |
| | 300mA | 0.25A | 51W | 30-42W | 0.95 | | | |
| | 350mA | 0.30A | 59W | 35-49W | | | | |
| LC60W200-350 | 200mA | 0.22A | 42W | 28-35W | 0.92 | 88% | 140-175V | 200V |
| | 250mA | 0.28A | 53W | 35-43.7W | 0.95 | | | |
| | 300mA | 0.32A | 63W | 42-52.5W | | | | |
| | 350mA | 0.35A | 74W | 49-61.2W | | | | |

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

1. Parameters

| category | Item | Technical Norm |
|----------|------------------------|----------------------------|
| Features | Output Type | Constant Current |
| | IP Grade | IP20 |
| | Output Features | Isolation |
| | Insulation Class | Class I |
| Input | Rated Input Voltage | 220-240VAC |
| | Range of Input Voltage | 198-264VAC or 200-250VDC |
| | Frequency | 50/60Hz |
| | Input Current | ≤0.35A (198VAC, full load) |
| | Input Power | ≤74W (230VAC, full load) |

| | | |
|--------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | Power Factor | ≥0.95 (230VAC, full load) |
| | THD | ≤20% (230VAC, full load) |
| | No-load Power Consumption | ≤0.5W @230VAC |
| | Inrush Current : | |
| | LC25W200-350 | ≤23A/560us (230VAC, Full-load) |
| LC40W200-350 | ≤27A/380us (230VAC, Full-load) | |
| LC50W200-350 | ≤42A/460us (230VAC, Full-load) | |
| LC60W200-350 | ≤46A/480us (230VAC, Full-load) | |
| | Connected quantity of 16A Breaker : | |
| | LC25W200-350 | 21pcs/type B ; 35pcs/type C @ 230Vac |
| | LC40W200-350 | 18pcs/type B ; 30pcs/type C @ 230Vac |
| | LC50W200-350 | 11pcs/type B ; 19pcs/type C @ 230Vac |
| | LC60W200-350 | 10pcs/type B ; 17pcs/type C @ 230Vac |
| Output | Current Accuracy | ±5% |
| | Max. Output Power | 61.2W |
| | Started Delay Time | ≤0.5S (230VAC, full load) |
| | Current Ripple | ±5% (Imax-Imin) / (Imax+Imin) |
| 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 μ A |
| Environment | Ta/Operation Temperature | -20...+55℃ |
| | Ts/Storage Temperature | -10...+85℃ |
| | Tc/Enclosure Temperature | LC25W200-350:75 ℃ LC40W200-350:80 ℃ LC50W200-350:85 ℃ LC60W200-350:85 ℃ |
| | Humidity | 10%....90%RH |
| | Atmosphere | 86-108KPa |
| Construction | Connection Method | Push-in Terminal |
| | Installation | Build-in |
| | PRI Wire preparation | 0.75-1.5 [□] |
| | SEC Wire preparation | 0.5-1.5 [□] |
| | Dimension | 230*30*21mm (L*W*H) |
| Standards | Certification | TUV CE SAA |
| | Safety Standards | EN61347-1:2015,EN61347-2-13:2014/A1:2017,E N62493:2015, AS/NZS IEC61347.2.13:2013,AS/NZS 61347.1:2016 |
| | EMC Standards | EN55015:2013/A1:2015,EN61000-3-2:2014,EN6 1000-3-3:2013,EN61547:2009 |
| | Performance | EN62384 |

| | | |
|--------|-----------|-------------------------|
| | Surge | L-N-PE/2KV |
| Others | RoHS | Complied to 2011/65/EU |
| | Life Time | 50000h Ta / Tc |
| | Warranty | 5years , F.R. <10000ppm |

Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C 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.

2. Label

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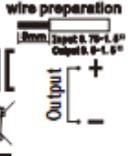


KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheid
LED Driver
LC25W200-350
 Constant Current Type

| PIN1 | PIN2 | I _{rated} [mA] | P _{rated} [W] | U _{applied} [V] | U _{in} / f _{in} | I _{in} [A] | t _a [°C] | λ |
|------|------|-------------------------|------------------------|--------------------------|-----------------------------------|---------------------|---------------------|------|
| OFF | OFF | 200 | 13 | 40-85 | 220-240VAC 50/60Hz | 0.10 | -20...+55 | 0.75 |
| ON | OFF | 250 | 16.2 | | | 0.12 | | 0.82 |
| OFF | ON | 300 | 19.5 | | | 0.14 | | 0.90 |
| ON | ON | 350 | 22.7 | | | 0.15 | | |

U_{out}: Max. 100VDC For LED modules only

● t_a=75°C

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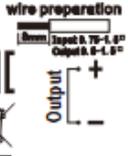


KGP Electronics GmbH
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LED Driver
LC40W200-350
 Constant Current Type

| PIN1 | PIN2 | I _{rated} [mA] | P _{rated} [W] | U _{applied} [V] | U _{in} / f _{in} | I _{in} [A] | t _a [°C] | λ |
|------|------|-------------------------|------------------------|--------------------------|-----------------------------------|---------------------|---------------------|------|
| OFF | OFF | 200 | 22 | 70-110 | 220-240VAC 50/60Hz | 0.15 | -20...+55 | 0.85 |
| ON | OFF | 250 | 27.5 | | | 0.18 | | 0.90 |
| OFF | ON | 300 | 33 | | | 0.22 | | 0.92 |
| ON | ON | 350 | 38.5 | | | 0.25 | | |

U_{out}: Max. 150VDC For LED modules only

● t_a=80°C

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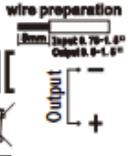


KGP Electronics GmbH
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LED Driver
LC50W200-350
 Constant Current Type

| PIN1 | PIN2 | I _{rated} [mA] | P _{rated} [W] | U _{applied} [V] | U _{in} / f _{in} | I _{in} [A] | t _a [°C] | λ |
|------|------|-------------------------|------------------------|--------------------------|-----------------------------------|---------------------|---------------------|------|
| OFF | OFF | 200 | 28 | 100-140 | 220-240VAC 50/60Hz | 0.17 | -20...+55 | 0.90 |
| ON | OFF | 250 | 35 | | | 0.22 | | 0.92 |
| OFF | ON | 300 | 42 | | | 0.25 | | 0.95 |
| ON | ON | 350 | 49 | | | 0.3 | | |

U_{out}: Max. 180VDC For LED modules only

● t_a=85°C

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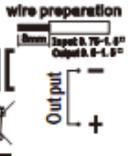


KGP Electronics GmbH
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LED Driver
LC60W200-350
 Constant Current Type

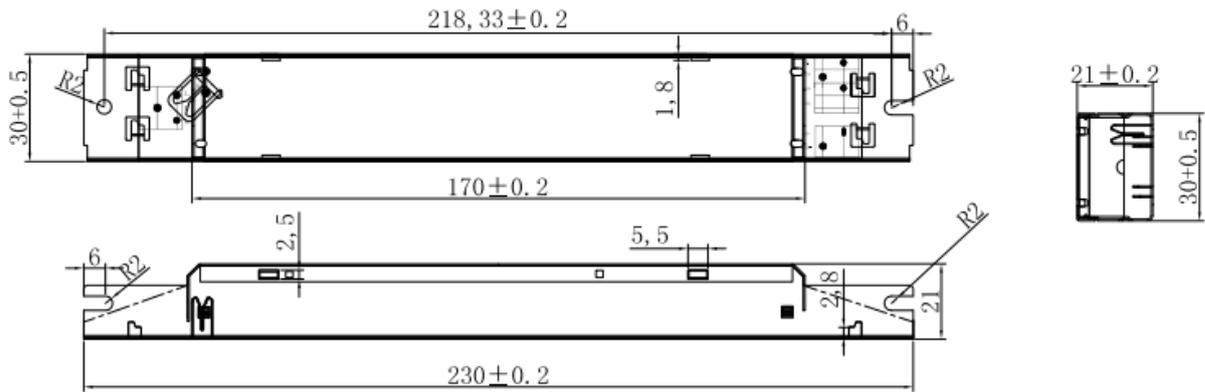
| PIN1 | PIN2 | I _{rated} [mA] | P _{rated} [W] | U _{applied} [V] | U _{in} / f _{in} | I _{in} [A] | t _a [°C] | λ |
|------|------|-------------------------|------------------------|--------------------------|-----------------------------------|---------------------|---------------------|------|
| OFF | OFF | 200 | 35 | 140-175 | 220-240VAC 50/60Hz | 0.22 | -20...+55 | 0.92 |
| ON | OFF | 250 | 43.7 | | | 0.26 | | 0.95 |
| OFF | ON | 300 | 52.5 | | | 0.32 | | |
| ON | ON | 350 | 61.2 | | | 0.35 | | |

U_{out}: Max. 200VDC For LED modules only

● t_a=85°C

3. Dimension (Unit: mm)



4. Packing information

| Carton L*W*H(mm) | Pcs/Carton(g) | Net weight/ Pcs(kg) | Net weight/ Carton(kg) | Gross weight / Carton(kg) |
|---------------------|---------------|------------------------|---------------------------|------------------------------|
| 410*270*190 | 60 | 0.17 | 10.2 | 10.76 |

5. Wiring Diagram

