## Constant Current LED drivers IP20 35-300TA (300-390), 35-350TD (220-300)

| | | 35-300TD (220-300)<br>IP20.B1.1.2.1.0.1.1 | 35-350TA (300-390)<br>IP20.B1.1.2.1.0.1.1 |
|---|---|---|---|
| Output parameters | Output current | 0.22 A ±5% to 0.30A±5% | 0.3-0.39 A ±5% discrete interval 10 mA |
| | Admissible output voltage range | 30 V - 115 V | 30 V - 90 V |
| | Output current ripple | <3 mA | |
| | Pulsations of luminos flux | <1% | |
| | Turn-on time | 1.3 sec | |
| | Max output power | 35 W | 35 W |
| Input parameters | Max Input power | 39 W | 39 W |
| | Supply voltage | 176V - 264V AC / 250V - 370V DC | |
| | Supply voltage extreme range[1] | 150V - 280V AC / 250V - 394V DC | |
| | Power factor corrector | yes | |
| | Frequency range | 45 Hz - 65 Hz | |
| | Power factor | ~ 0,98 | |
| | Efficiency | ~ 85% | ~ 86% |
| | Nominal AC current | 0.16 A | |
| | Inrush current | 0.3 A max | |
| | Leakage current | <0.7 mA | |
| | EMC | Correspond to EN 55015:2000, IEC 61000-3-2:2005, IEC 61000-3-3:2008, IEC 61547-2011 | |
| Protection | Over voltage | restores automatically | |
| | Output | > 115 V | > 100 V |
| | Short circuit protection | restores automatically | |
| Operating conditions | Ambient tempereture | –40°C to +50°C | |
| | Humidity | <95%,RH non-condencing | |
| | Vibratory loads, max | 0.5-35 Hz, 5м/sec$^2$, 30 min | |
| | Connection type | detachable terminal blocks | |
| Safety | Galvanic isolation | yes | |
| | Withstand voltage (input-output);<br>(input-grounding) (output - grounding) | >1.5 kV AC | |
| | Isolation resistance (between live parts and body) | >200 MOhms | |
| | Standards on general requirements and safety | IEC 61347-1:2007; IEC 61347-2-13-2011 and ТУ 3461-003-609440703-2013 | |
| Others | Dimension (LxWxH), mm | 202x30x27 | |
| | Storage conditions | -60°C to +85°C | |
| | Lifetime | 60000 h | |
| | Manufacturer's warranty | 3 years since the date of comissioning, but no more then ≥4 years since the date of delivery date | |

All parameters are measured with supply voltage 230 V AC and nominal load under the 25 °C of ambient temperature

1 - Supply voltage range under which the declared chatacteristics of the driver could not be reached, but the operating capacity is guaranteed.

For the TA version of LED Divers necessary adjustment of its output current is provided by the adjustable resistor. For the version TD of LED Drivers adjustment of its output current is provided discretely by using the DIP-switch located on a PCB.

Derating may be needed under low input voltage. Please check the static characteristics for more details.

LED driver is considered as a component that will be operated in combination with final equipment (lighting). Since EMC performance will be affected by the complete installation, the final eqiupment manufacturers must re-qualify EMC Directive on the complete installation again.