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LED **40W** DE Series – Fixed Output and Dimmable Switch Mode LED Drivers Constant Current & Constant Voltage with Isolation Black Plastic Housing

Electrical Specifications

| Input Voltage Range: | 110-277Vac Nom. (100-305 V Min/Max) |
|----------------------|--|
| Frequency: | 50/60 Hz Nom. (47-63 Hz Min/Max) |
| Power Factor: | ≥0.9@ full load, 100 V through 277 V |
| Inrush Current: | <15A max @ 230 Vac, Cold Start25°C |
| Input Current: | 0.40A @ 100 Vac |
| Maximum Power: | 40 W |
| Line Regulation: | ±1% |
| Load Regulation: | ± 3% |
| THD: | ≤20% @ 70-100% load, 100-277V |
| Leakage Current: | 400μA Typical |
| Turn-on Time Delay: | 3.0 S Max |
| Protection: | Output Over-Voltage reset by power cycling |
| | Output Over-Current and Output Short |
| | Circuit Protection with auto recovery |
| | |

Electrical Specifications

| Operating Temperature: | -40°C to +60°C | | | |
|------------------------|---|--|--|--|
| Maximum Case Temp: | 80°C | | | |
| Storage Temperature: | -45°C to +85°C | | | |
| Humidity: | 5% - 95% | | | |
| Cooling: | Convection | | | |
| Vibration Frequency: | 10 to 300 Hz/1G, 60 minutes | | | |
| MTBF: | 423,000 Hours at full load and $30^\circ C$ | | | |
| | ambient conditions per MIL-HDBK-217F | | | |
| EMC: | FCC 47CFR Part 15 Class B compliant | | | |

Ordering Options:

-TC: 0-10V, resistance &PWM dimmable version comes with an extra two wires +Purple/-Grey on the output side. See page 3 for additional specifications.

-TA: DALI dimming. See page 3 for additional specifications.

-TE Customized timeshare dimming. See page 3 for additional specifications.

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Note:

1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25 $^\circ\!{\rm C}$ of ambient temperature.

2. Specification subject to change without notice.

Total Power: 40 Watts Input Voltage: 110-277Vac Outputs: Single from 7-114Vdc Indoor Application High Power Factor EN61347, CSA 22.2 EN61000-3-2, EN61000-3-3 Class C



Constant Current – Product Specifications

| Model Number | Output Current | Output Voltage | Max. Output | Typical |
|------------------|----------------|----------------|-------------|------------|
| | (mA±3%) | Range (Vdc) | Power (W) | Efficiency |
| DE040-114S035-YY | 350 | 68~114 | 39.9 | 87% |
| DE040-089S045-YY | 450 | 53~89 | 40.1 | 87% |
| DE040-057S070-YY | 700 | 34~57 | 39.9 | 87% |
| DE040-048S083-YY | 830 | 29~48 | 39.8 | 86% |
| DE040-036S105-YY | 1050 | 22~36 | 37.8 | 86% |
| DE040-028S140-YY | 1400 | 17~28 | 39.2 | 86% |
| DE040-024S175-YY | 1750 | 14~24 | 42 | 86% |
| DE040-018S210-YY | 2100 | 11~18 | 37.8 | 86% |
| DE040-016S245-YY | 2450 | 10~16 | 39.2 | 85% |
| DE040-015S280-YY | 2800 | 9~15 | 42 | 85% |
| DE040-012S315-YY | 3150 | 7~12 | 37.8 | 84% |
| | | | | |

-YY indicates dimming options are available. See options at left. Blank = fixed current

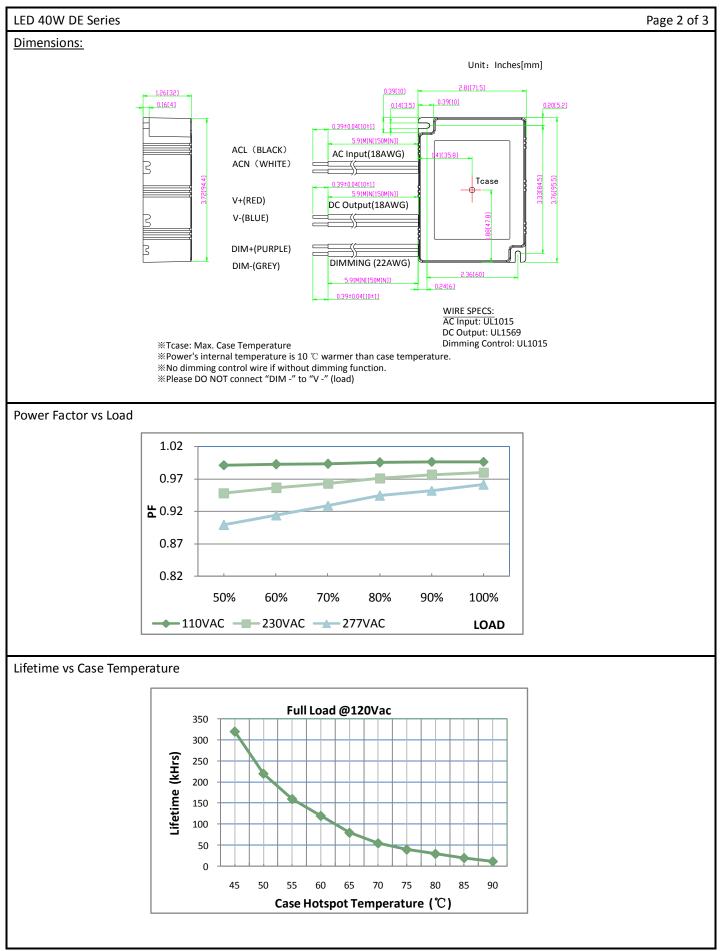
output.

| Constant Voltage- Product Specifications | | | | | | |
|--|----------------|----------------|-------------|------------|--|--|
| Model Number | Output Voltage | Output Current | Max. Output | Typical | | |
| | (Vdc±5%) | Range (mA) | Power (W) | Efficiency | | |
| DE040-114S035-YY | 114 | 18~350 | 39.9 | 87% | | |
| DE040-089S045-YY | 89 | 23~450 | 40.1 | 87% | | |
| DE040-057S070-YY | 57 | 35~700 | 39.9 | 87% | | |
| DE040-048S083-YY | 48 | 42~830 | 39.8 | 86% | | |
| DE040-036S105-YY | 36 | 53~1050 | 37.8 | 86% | | |
| DE040-028S140-YY | 28 | 70~1400 | 39.2 | 86% | | |
| DE040-024S175-YY | 24 | 88~1750 | 42 | 86% | | |
| DE040-018S210-YY | 18 | 105~2100 | 37.8 | 86% | | |
| DE040-016S245-YY | 16 | 123~2450 | 39.2 | 85% | | |
| DE040-015S280-YY | 15 | 140~2800 | 42 | 85% | | |
| DE040-012S315-YY | 12 | 158~3150 | 37.8 | 84% | | |

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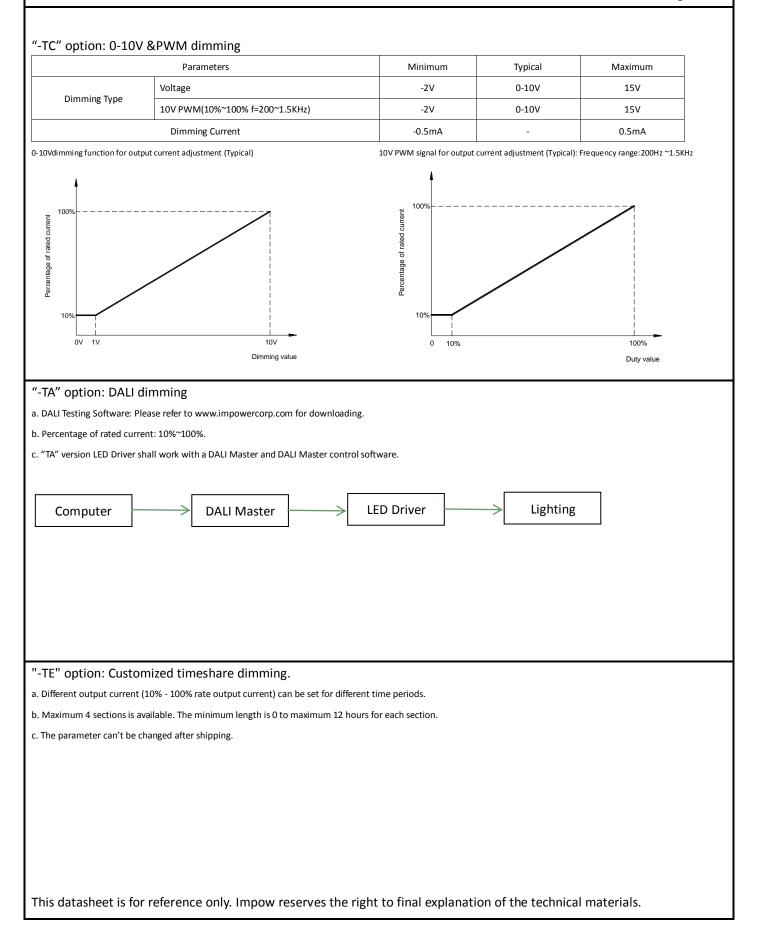
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