

LD75GL Series

**75W Constant Current/Voltage
with Optional Dimming**



**163 * 45 * 33 mm (L*W*H)
6.41 * 1.77 * 1.29"**

Features

- ⌘ Universal AC input 90~305V AC.
- ⌘ Class 2 Power Supply Unit.
- ⌘ Constant Current / Constant Voltage Operation.
- ⌘ Built-in ACTIVE PFC Function.
- ⌘ Protections: OVP / OCP / SCP / OTP.
- ⌘ Fully Insulated Case with IP67 Level.
- ⌘ Cooling by free air convection.
- ⌘ Optional Dimming Type : (D) for PWM/DC 0-10V Dimming

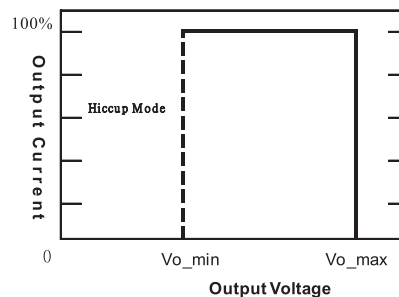
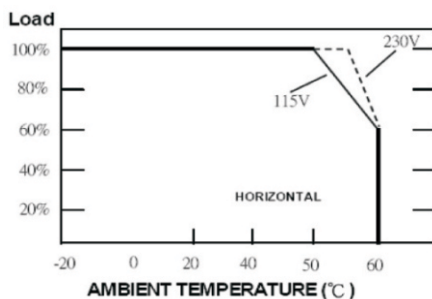
Specifications

IP67 LPS       

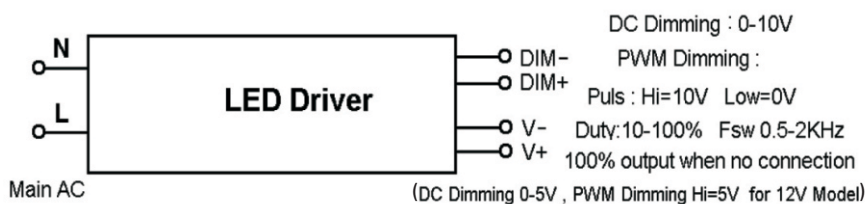
| Part No. | | LD75GL-12(D) | LD75GL-20(D) | LD75GL-24(D) | LD75GL-36(D) |
|-------------|----------------------------------|--|-------------------|-------------------|-------------------|
| Output | DC Voltage Range | 12~24V | 20~28V | 24~36V | 36~48V |
| | Rated Current | 3125Ma | 2670mA | 2080mA | 1560mA |
| | Max. Power | 75W | 75W | 75W | 75W |
| | Ripple & Noise (Max.) Note.2 | 0.5Vp-p | 0.5Vp-p | 0.5Vp-p | 0.5Vp-p |
| | Dimming Control(Optional) | 0-10V/PWM Dimming | 0-10V/PWM Dimming | 0-10V/PWM Dimming | 0-10V/PWM Dimming |
| | Voltage/Current Tolerance Note.3 | ±5% | | | |
| | Efficiency at 230V AC | 87% | | | |
| | Set up time (Max.) | 1 sec. / 230V AC, 2 sec. / 115V AC, at full load. | | | |
| Input | Voltage Range | 90 ~ 305V AC or 127 ~ 430V DC | | | |
| | Frequency Range | 47 Hz ~ 63 Hz | | | |
| | AC Current (Max.) | 1A at 115V AC / 0.5A at 230V AC | | | |
| | Power Factor | >0.95 at 115V AC / >0.9 at 230V AC with full load. | | | |
| | Inrush Current (Max.) | 60A at 230V AC | | | |
| | Leakage Current | <0.5mA / 240V AC | | | |
| Protections | Over Current | 110% rated current. Type: Current limit and recovers after fault condition disappeared. | | | |
| | Short Circuit | Type: Constant current limit and recovers after fault condition disappeared. | | | |
| | Over Voltage | 110%-150% rated output voltage. Type: Latch OFF Mode. | | | |

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|--------------|--|---|
| | Over Temperature | Type: Latch OFF Mode. |
| Environment | Operation Temp. | -20°C ~50°C ambient operating at full load (Refer to output load derating curve); |
| | Operation Humidity | 20% ~ 90% RH non-condensing. |
| | Storage Temp. | -40 ~ +80°C |
| | Storage Humidity | 10% ~ 90% RH |
| | Vibration | 10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. |
| Safety & EMC | Safety Standards | EN61347-1,EN61347-2-13 ,IP67/UL8750/UL60950 Approved. |
| | Withstand Voltage | I/P - O/P: 3.75K VAC |
| | Isolation Resistance | I/P-O/P:100M ohms / 500VDC at 25°C |
| | EMI Conduction & Radiation | EN55015 |
| | Harmonic Current | EN61000-3-2 Class C,EN61000-3-3 |
| | EMS Immunity | EN61000-4-2,3,4,5,6,8,11 Light industry level, criteria A |
| Others | MTBF | 200K hours min. MIL-HDBK-217F(25°C) |
| | Dimension (L x W x H) | 163 x 45 x 33mm |
| | Packing (L x W x H)/Carton | 590 x 224 x 150mm |
| | Weight | 0.37 Kg |
| Note | <ol style="list-style-type: none"> All specifications not specially mentioned are measured at 115Vac and 25°C ambient temperature. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. | |

Derating Curve



Block Diagram (Dimming function by optional)



Mechanical

