

IL3525 Series

LED Industrial Lighting



LED Driver Electrical and Dimming Control Specification 35-100Watt



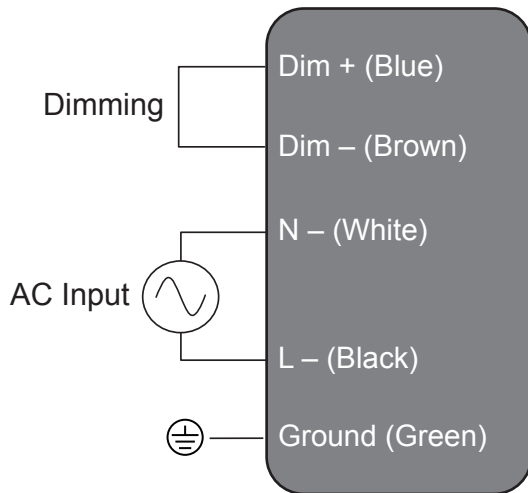
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|--|--|---|--|---|----------|
| INPUT | VOLTAGE RANGE <small>Note.4</small> | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC | | | |
| | FREQUENCY RANGE | 50 ~ 60Hz | | | |
| | POWER FACTOR (Typ.) | PF>0.98/115VAC, PF>0.95/230VAC, PF>0.92/277VAC at full load | | | |
| | EFFICIENCY (Typ.) | (TYP.) 93 - 95% | | | |
| | INRUSH CURRENT (Typ.) | COLD START 500A/230VAC | | | |
| | LEAKAGE CURRENT | <0.75mA / 277VAC | | | |
| | TOTAL HARMONIC DISTORT. | THD ≤ 10% @ 230VAC full load | | | |
| | INPUT CURRENT | 35 WATT | 55 WATT | 75 WATT | 100 WATT |
| 0.40A / 115VAC 0.21A / 230VAC 0.20A / 277VAC | | 0.61A / 115VAC 0.30A / 230VAC 0.28A / 277VAC | 0.82A / 115VAC 0.41A / 230VAC 0.40A / 277VAC | 1.2A / 115VAC 0.60A / 230VAC 0.55A / 277VAC | |
| MAX. No. of PSUs on 16A CIRCUIT BREAKER | 4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC | | | | |
| PROTECTION | OVER CURRENT | 95 ~ 108% | | | |
| | SHORT CIRCUIT | Protection type: Constant current limiting, recovers automatically after fault condition is removed | | | |
| | OVER VOLTAGE | Protection type: Shut down o/p voltage with auto-recovery or re-power on to recovery | | | |
| | OVER TEMPERATURE | 100°C ± 10°C(RTH2) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down | | | |
| ENVIRONMENT | VIBRATION | 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes | | | |
| SAFETY & EMC | SAFETY STANDARDS <small>Note.6</small> | UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent IP65 or IP67, J61347-1, J61347-2-13 approved ; design refer to UL60950-1, TUV EN60950-1 | | | |
| | WITHSTAND VOLTAGE | 10kV / 5kA (L-L, L-G) | | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC / 25°C/ 70% RH | | | |
| | EMC EMISSION | Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥50% load) ; EN61000-3-3 | | | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria A | | | |
| NOTE | <ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Derating may be needed under low input voltages. Please check the static characteristics for more details. Safety and EMC design refer to EN60598-1, CNS15233, GB7000.1, FCC part18. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. Refer to warranty statement. | | | | |

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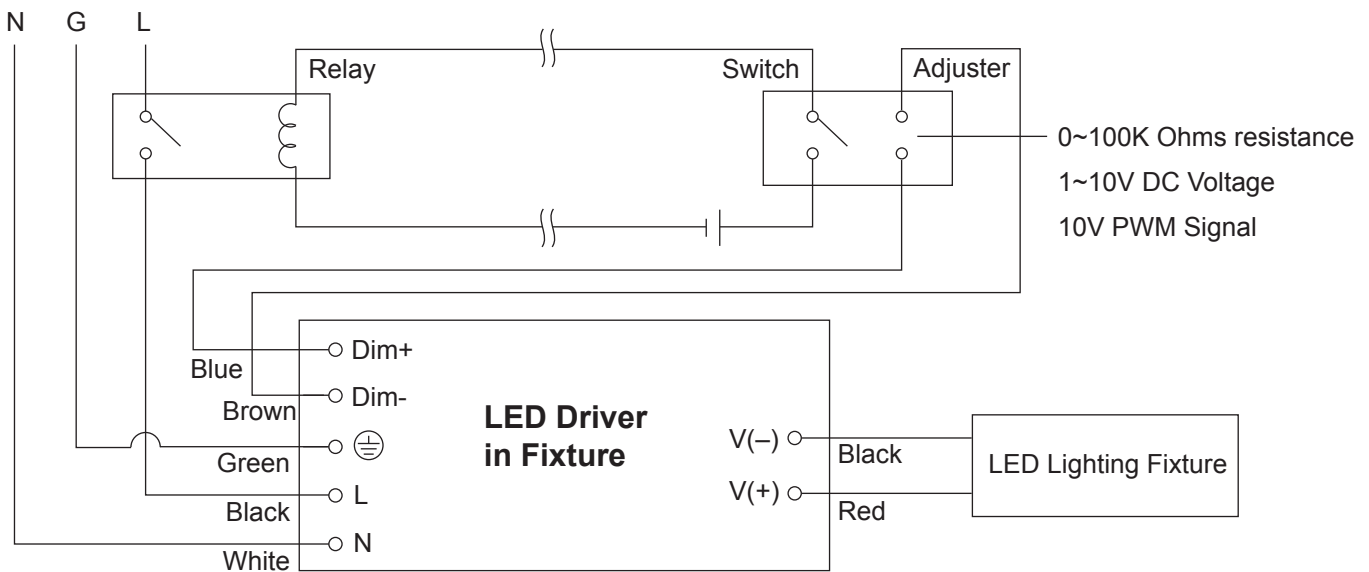
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Dimming connection diagram



Input Wires



Using a switch and relay can turn ON/OFF the lighting fixture.

1. Output constant current level can be adjusted through output cable by connecting a or 1~10Vdc or 10V PWM signal resistance between Dim+ and Dim-.
2. The LED lighting fixture can be turned ON/OFF by the switch.