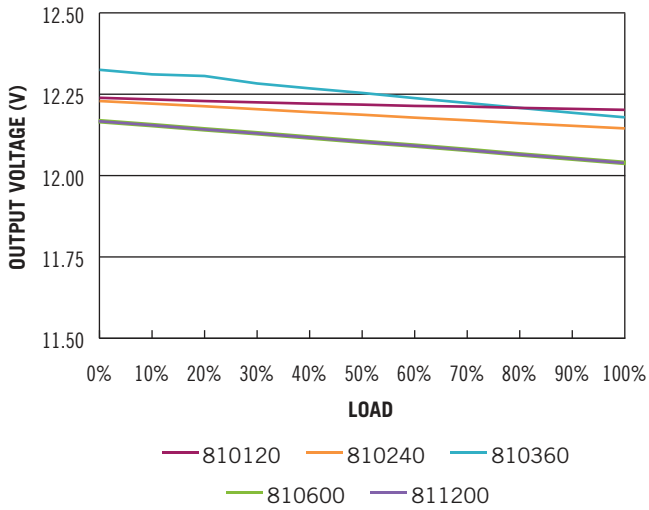




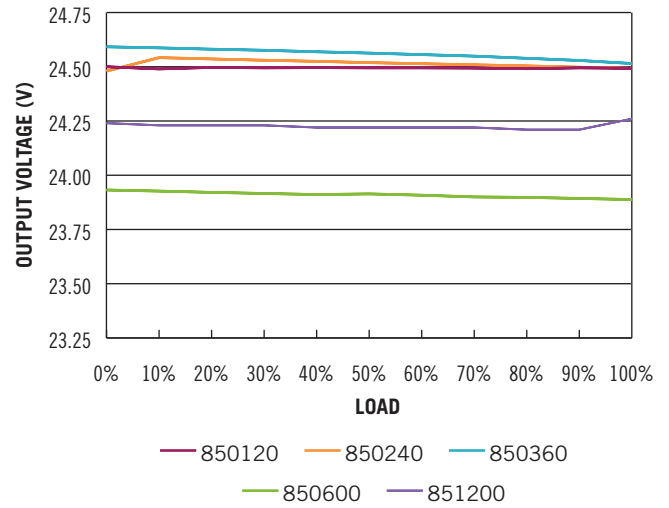
| MODEL | | 810120 UL CLASS 2 | 850120 UL CLASS 2 | 810240 UL CLASS 2 | 850240 UL CLASS 2 | 810360 UL CLASS 2 | 850360 UL CLASS 2 | 810600 UL 1012 | 850600 UL 1012 | 811200 NON CLASS 2 | 851200 NON CLASS 2 | |
|-------------------------|-----------------------|---|----------------------|--|----------------------|--|----------------------|--|-------------------|--|--|--|
| OUTPUT | DC Voltage | 12V | 24V | 12V | 24V | 12V | 24V | 12V | 24V | 12V | 24V | |
| | Rated Current | 1A | 0.5A | 2A | 1A | 3A | 1.5A | 5A | 2.5A | 10A | 5A | |
| | Rated Power | 12W | | 24W | | 36W | | 60W | | 120W | | |
| | Voltage Tolerance | +/-0.5V | | | | | | | | | | |
| | Start-up Time (Typ.) | <500ms | | | | | | | | | | |
| INPUT | Voltage Range | 100 – 120VAC | | | | | | | | | | |
| | Frequency Range | 50/60Hz | | | | | | | | | | |
| | AC Current (Typ.) | 0.3A | 0.3A | 1A | 1A | 1A | 1A | 1.2A | 1.2A | 3.2A | 3.2A | |
| | Efficiency (Typ.) | 84% | 87% | 87% | 88% | 88% | 88% | 90% | 91% | 88% | 90% | |
| | Power Factor (Typ.) | 0.50c @ 120VAC and full load | | | | | | | | | | |
| | Inrush Current (Typ.) | 29A / 120VAC | | 35A / 120VAC | | 36A / 120VAC | | 38A / 120VAC | | 131A / 120VAC | | |
| | Leakage current | <0.5mA / 120VAC | | | | | | | | | | |
| GUARDS | Over Current | Hiccup mode, auto-recovery upon removal of fault condition | | | | | | | | | | |
| | Short Circuit | Hiccup mode, auto-recovery upon removal of fault condition | | | | | | | | | | |
| ENVIRO. | Ta | -4°F (-20°C) to 104°F (40°C) | | | | | | | | | | |
| | Working Humidity | 20 – 90% Relative Humidity, non-condensing | | | | | | | | | | |
| | Storage Temp. & RH | -40°F (-40°C) to 176°F (80°C), 10 – 95% Relative Humidity | | | | | | | | | | |
| | Vibration | 10 – 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes | | | | | | | | | | |
| SAFETY & EMC | Safety Standards | UL Std. 8750, CAN/CSA Std. C22.2 No. 250.13; Class 2 Power Supply, ETL Listed for dry and damp location use | | | | | | | | | UL Std. 1012, CAN/CSA Std. C22.2 No. 107.1, Non Class 2 Power Supply, ETL Listed for dry and damp location use | |
| | Withstand Voltage | I/P – O/P: 1.2KVAC | | | | | | | | | | |
| | Isolation Resistance | I/P – O/P: 100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | | | | |
| | EMC Emission | Compliance to FCC Part 15B (>=50% loading) | | | | | | | | | | |
| OTHER | MTBF | 292K hrs min. | | 318K hrs min. | | 308K hrs min. | | 300K hrs min. | | 158K hrs min. | | |
| | Cooling | Free Air Convection | | | | | | | | | | |
| | Life Time* | 30,000 hours | | | | | | | | | | |
| | Case | Fully isolated polycarbonate plastic case with built in terminal block for direct-wire connections | | | | | | | | | | |
| | Dimensions | 4.06" L x 1.39" W x 0.67" H (103mm L x 35.4mm W x 17mm H) | | 5.24" L x 1.69" W x 1.22" H (133mm L x 42.8mm W x 31mm H) | | 5.24" L x 1.69" W x 1.22" H (133mm L x 42.8mm W x 31mm H) | | 6.69" L x 2.32" W x 1.30" H (170mm L x 59mm W x 33mm H) | | 8.07" L x 2.80" W x 1.38" H (205mm L x 71mm W x 35mm H) | | |

*Note: Life time tested under adverse operating conditions with ambient air temperature at 104°F and under full wattage load, failure rate <10%
Note: All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature.

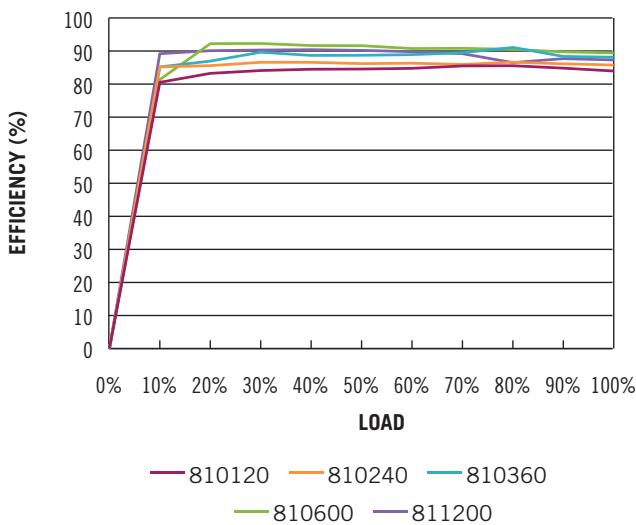
OUTPUT VOLTAGE VS LOAD (1)



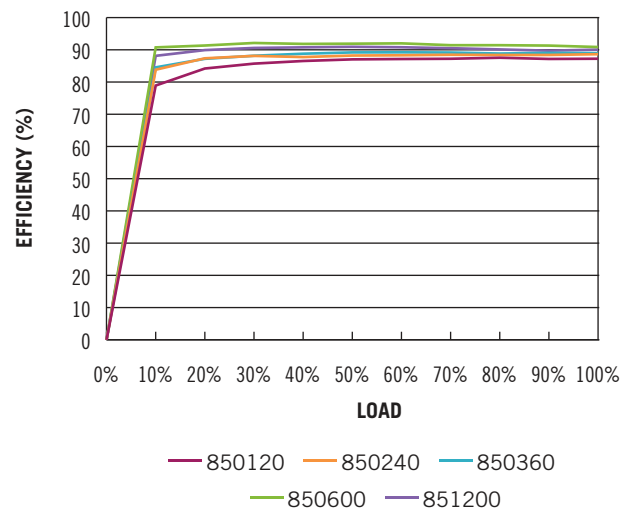
OUTPUT VOLTAGE VS LOAD (2)



EFFICIENCY VS LOAD (1)



EFFICIENCY VS LOAD (2)



To learn more, see armacostlighting.com or contact support@armacostlighting.com.