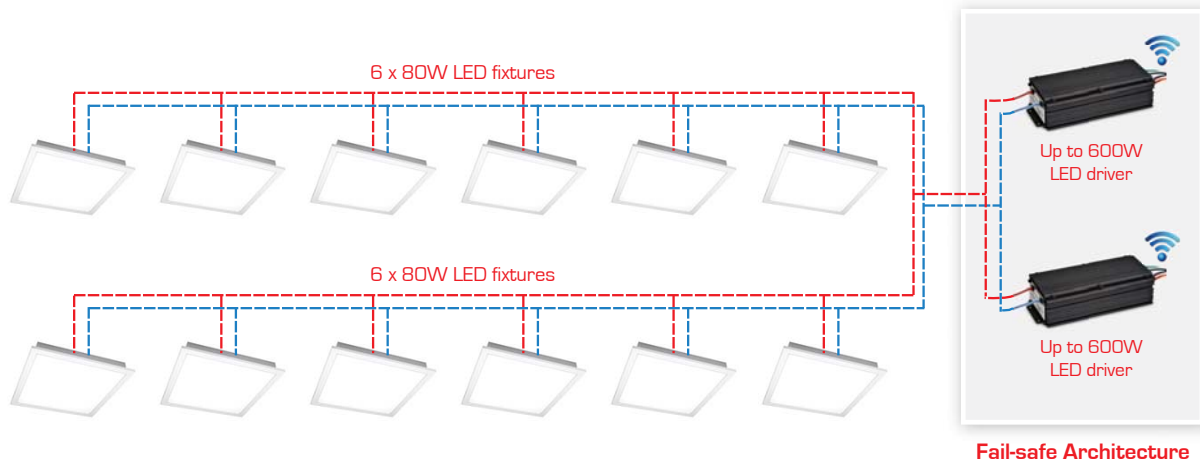


1 LED Driver for Multiple Fixtures



Introduction

Metrolight introduces high power LED drivers that drive multiple LED fixtures. Now you can reduce significant costs by using one Metrolight high power LED driver that can replace up to twelve 50W LED drivers. Each two drivers are connected in parallel and thus offer fail-safe architecture. Should one driver malfunction for any reason, the other driver will continue to power all LED fixtures. In addition to saving on multiple drivers, the costs are further reduced as each LED driver can be fully digitally controlled to dim and manage the lights. Now you can have one driver that will control an entire office, dim the lights and increase the system's reliability by minimizing the overall components. Proven with more than 800,000 installed light points worldwide and highly efficient, Metrolight LED driver technology is approved by leading OEM's being part of their Approval Vendor List.

Benefits

- High power: up to 600W
- Proven: >800,000 installations worldwide
- LED control: constant current, adaptive current control, power control
- Software programmable: current, voltage and power software adjustable
- Control: analog, digital and on-board dimming scheduler
- Connectivity: wired and wireless
- Efficiency: 93%-94% (wattage dependent)
- Protection: Fail-safe, on-board surge, input & output
- Thermal management: on-board
- Remote installation: unlimited distance



Control Features & Benefits

- Optimize energy savings
- Demand response ready
- Automatic scheduling
- Intuitive, user friendly GUI
- Smart grid compatibility
- Auto dimming profile
- Control light points separately/as groups
- Detailed fixture operating parameters
- Reduce maintenance costs



General Specifications

| | |
|--|---|
| Frequency | 50/60Hz |
| Inrush current | <25A |
| Programmable input voltage/power range | 50W – 600W |
| Harmonics (at nominal conditions) | Fully complies with EN61000-3-2 |
| Total Harmonic Distortion | <10% at 120V, <10% at 208V, <15% at 277V. |
| Input current protection | Fuse (Internal) |
| Continuous full range dimming | <ul style="list-style-type: none"> • 100% - 10% of full power, minimum 40W |
| Dimming options | <ul style="list-style-type: none"> • 0-10V Analog dimming by relay, ambient sensor, daylight sensor or any other compatible sensor • Bi level dimming by relay or dry contact closure • Digital dimming - with individual light point control and real-time feedback |
| Operating temperature range | -30°C to +65°C / -22°F to 149°F |
| Operating humidity | 0 to 95% RH non-condensing |
| Maximum case temperature (Tc) | 85°C / 185°F |
| Lifetime at Tc = 75°C / 167°F | 80,000 hours |
| Current and power control | Adaptability of current to LED topology |
| Control | 1-10V Analog, Digital wired and wireless and auto-dimming profile |
| Input and output protection | Voltage, surge, short circuit |
| Other | Thermal management and high reliability |

Input Specifications *

| 600W LED Power (U.S. only) | |
|--|--|
| Input Power | 645W |
| Input Voltage | 200-277VAC (+10% to -15%), 230-420VDC |
| Input Current | 3.1A@208V, 2.93A@220V, 2.70A@240V, 2.33A@277V |
| Power Factor (at nominal conditions and full power) | >0.98 |
| 450W LED Power (U.S. only) | |
| Input Power | 478W |
| Input Voltage | 277VAC (+10% to -15%) , 320-420VDC |
| Input Current | 1.75A @277V |
| Power Factor (at nominal conditions and full power) | >0.97 |
| 200W LED Power | |
| Input Power | 215W |
| Input Voltage | 120 - 277VAC (+10% to -15%) , 140-420VDC |
| Input Current | 1.82A @ 120V, 1.0A @ 220V, 0.9A @ 240V, 0.78A @ 277V |
| Power Factor (at nominal conditions and full power) | >0.95 |

* Additional wattages available through software programming or upon request

About Metrolight

Metrolight provides proven energy-efficient eHID and LED solutions for high-power lighting. Metrolight's ballasts, drivers and managed lighting solutions are used in retail, industrial, commercial and municipal installations to reduce energy consumption and carbon emission by 70%. Pioneering lighting energy solutions since 1996, Metrolight operates worldwide with over 800,000 systems deployed and over 8 billion hours in operation. For more information, please visit our website at: www.metrolight.com

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