

# MT50-LED IP67 Display Lighting

- MT50-LED switched or mains dimmable LEDs.
- Suitable for indoor and outdoor applications. A separate waterproof enclosure is required for the Driver if using outside.
- MT50-LED supplied with 3m cable as standard for connection to remote driver. Longer cables up to 20m can be supplied to order.
- Add LED colour to code, White 3000k, White 4000k, White 6000k, Blue, Red, Green.
- RGB colour change only available in 1290mm single or double sided. 3m or 5m cable available for connection to remote Driver/ Controller, RGB-DMX.
- Driver to suit colour change RGB-DMX. One required for single sided, two required for double sided. Can be linked together in multiples and operated in unison with the leading RGB Driver.
- **For exterior applications this product must be under cover and not exposed directly to rain or sat in water. Please call for advice.**



Single sided available sizes any colour not RGB		Driver to use
MT50-LED CLEAR or SATIN	890mm	Driver PSU-48V-350-T-230-RD
MT50-LED CLEAR or SATIN	1290mm	Driver PSU-48V-350-T-230-RD
MT50-LED CLEAR or SATIN	1690mm	Driver PSU-48V-700-T-230-RD
MT50-LED CLEAR or SATIN	2490mm	Driver PSU-48V-700-T-230-RD

Double sided available sizes any colour either side, not RGB		
MT50-LED CLEAR or SATIN	890mm	Driver PSU-48V-700-T-230-RD
MT50-LED CLEAR or SATIN	1290mm	Driver PSU-48V-700-T-230-RD

RGB available sizes		
MT50-LED RGB single sided CLEAR or SATIN	1290mm	Driver RGB-DMX-X1
MT50-LED RGB double sided CLEAR or SATIN	1290mm	Driver RGB-DMX-X2

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### TECHNICAL INFORMATION:

A mains dimmable constant current Power Supply Unit for high brightness LED's. This particular model has a constant current output of 350mA with a series output voltage from 12 to 48V which is dimmable by Leading and Trailing edge dimmers subject to the minimum load of the dimmer.

- Mains Dimmable.
- Active power factor correction.
- Short circuit and open circuit protection.
- Terminal covers and cable clamps.
- 350mA constant current output.
- High efficiency, ensures cool operating temperature.
- Flame retardant moulded enclosure, UL94-V0.
- Lightweight and compact size.
- Low audible noise throughout the dimming range
- CE Compliant to EC EMC and Low Voltage Directives.

- Complies with EMC harmonics standard EN61000-3-2 Class C.
- Complies with EMC Voltage fluctuation standard EN 61000-3-3.
- Complies with EN 61347-2-13 Electrical Safety.
- Complies with EMC Emission Standard EN 55015.
- Complies with EMC Immunity Standard EN 61547.

Incorrect wiring or programming will invalidate all warranties.

For Product support Freecall 1800 733 113 or Email [info@yld.com.au](mailto:info@yld.com.au)

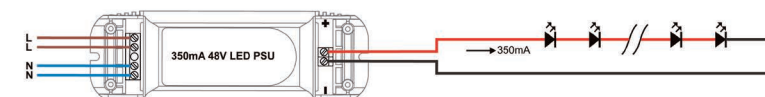
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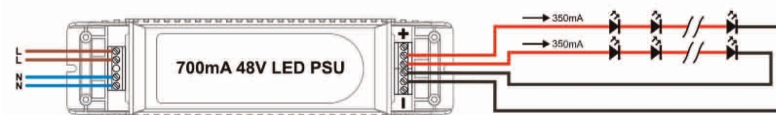


### TECHNICAL INFORMATION:

Mains Input Voltage	230 Volt +/- 10% 50/60Hz
Mains Input Current	0.1 Amp Maximum, 700-T Version 0.2 Amp
Input Connections	2 x Live 2 x Neutral screw terminals for 0.5 to 2.5mm <sup>2</sup>
Power Factor at Full Load	0.96 Typical
Efficiency at Full Load	85% Typical
Mains Protection	4KV Fast Transient, 2KV Surge
Input-output Isolation	Double Insulated, 4KV AC RMS
Ambient Temperature (Ta)	45°C Maximum
Case Temperature (Tc)	80°C Maximum
Humidity	95% Maximum Non-Condensing
Maximum Output Power	16.8W, 700-T Version 33.6W
Output Current at Full Load	350mA
LED Series Voltage	SELV, 12V to 48V DC
Enclosure	White polycarbonate UL94-V0 IP20
Dimensions	49mm (width) x 35mm (height) x 150mm (length) 700-T Version 58mm x 42mm x 224mm
Output Connections	1x (+) 1x (-) Screw Terminals for 0.5 to 2.5mm <sup>2</sup>
Weight	140g
Standards (EC EMC and Low Voltage Directives)	EN55015 EMC Emission, EN61547 EMC Immunity, EN61000-3-2 Class C Harmonics, EN61000-3-3 Voltage fluctuation and EN61347-2-13 Electrical Safety.



Each output can drive from 3 to 12 LEDs with a Vf from 3 to 4V. **IMPORTANT:** Each output MUST drive the same number of LEDs.



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