THEATRELIGHT NZ

LED luminaires

TL-F500
LED Fresnel

The TL-F500 is an LED Fresnel ideal for small theatres, exhibitions, art galleries and museums. Its compact size allows it to be used in low ceiling spaces such as drama rooms and shop windows. It has a light output equivalent to most 500/650 watt incandescent Fresnels but uses just one tenth of the power.
The F500 can be ordered fitted with an internal wireless DMX card by Lumen Radio (WDMX compatible).
LED options include:
- 3200K
- 5600K
- 2 colour Tunable
- 4 colour RGBW

TL-F1000
LED Fresnel

The TL-F1000 has a light outout equivalent to most 1000/1200 watt incandescent Fresnels, making it more suited to larger theatres, TV studios, and event centres.
The TL-F1000 can also be ordered fitted with an internal wireless DMX card by Lumen Radio.
LED options include:
- 3200K
- 5600K
- 2 colour Tunable
- 4 colour RGBW

TL-Z1000
LED Zoom Profile

The TL-Z1000 is a 15° to 30° zoom profile. With a higher light output than most 1000/1200 watt incandescent profiles, it is suited to long throw applications such as FOH lighting in larger venues. The condensor lens can be adjusted to a flat beam for gobo projections, or peaked for over-lapping line-ups. LED options include:

- 3200K
- 5600K
- 2 colour Tunable
- 4 colour RGBW

Back Thumbwheel models

Back Joystick models

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THEATRELIGHT LUMINAIRE FEATURES

Theatrelight's LED luminaires offer major benefits over an equivalent spotlight using a tungsten incandescent bulb, particularly as tungsten bubs become less readily found. Whereas most Theatre or TV incandescent bulbs are expensive and have a lifetime as short as 200 hours, Theatrelight's LED luminaires have an expected lifetime in excess of 20,000 hours, resulting in much reduced lamp replacement and maintenance labour costs. In addition there are also marked savings in power costs, not just in the near 10% load consumed by LED lights, but also by the proportional 90% reduction in air-conditioning power costs. Additionally the very low Infra-Red and UV output of LED luminaires makes the LEDs ideal for art gallery and museum lighting. All Theatrelight's LED modules are custom manufactured to our specifications using Osram LED chips with an integrated collimating lens and use optically clear PMMA lenses where possible for minimum weight and maximum optical efficiency. All luminaires are fitted with Meanwell high reliability, high power factor, universal mains power supplies.

EXTERNAL CONTROLS
Common to all models:
LID LATCH: The lamphouse/lens lid may be removed for cleaning the lenses (or reversed to hide the operators instructions)
COLOUR FRAME LATCH: This latch secures colour frames and barndoors
SAFETY CABLE TIE POINT: (On left of yoke) Tie point for safety cables
TILT KNOB: Easy friction washer enables one hand point and focus
FOCUS KNOB/S: Fast focus setting - one quarter turn from unlock to lock
COLOUR FRAME SLOT: Use the inner slot for colour frames
BARNDOOR SLOT: Use the outer slot for barndoors

BACK PANEL CONTROLS
Common to all models
POWER CONNECTOR: IEC female
DMX IN/THRU: XLR 5 pin standard. XLR 3 pin or RJ45 options to order
STATUS LED: Green/Red LED indicates DMX and Temperature
Thumbwheel models only:
MODE SWITCH: Sets fade and effects
DMX START ADDRESS: Sets DMX Start address from 1 to 512
TEST KEY: Flashes the intensity/rate to 100%, cancels DMX held channels, and unlinks Wireless DMX versions if held for over 3 seconds. The internal blue LED mimics LED level, and shows link present in Wireless DMX versions
LEVEL KNOB: Presets level or rate (0 to 100%) for standalone operation
Joystick models only:
4 DIGIT LED DISPLAY: Shows Mode selection, DMX Start address, and other values such as Level, Color, and PWM rate
JOYSTICK: Adjusts mode and DMX address, adjusts level (and colour in 2 and 4 colour models). adjusts PWM rate, shows firmware version. If pressed, flashes the intensity/rate to 100%, cancels DMX held channels, and unlinks Wireless DMX versions if held for over 3 seconds.

PWM MODES
All luminaires offer a choice of PWM frequencies to suit live Theatre, or to suit video cameras in Television and Film Studios. See the Operators Manual for full details

STANDALONE OPERATION
All models can be operated in Standalone mode (no DMX) using the potentiometer/joystick to set a fixed level or special effect such as Fire or Strobe. The 2 and 4 colour models also have built-in colour selections.

DMX OPERATION
All models can be operated on DMX either by cable or a Lumen Radio Wireless DMX card fitted at time of order. DMX control can be single or multichannel:::
Single channel DMX control: When the Mode is set 1-9, DMX 1 sets the Master level/Effects speed
Multichannel DMX control: If the Mode is set zero (remote control mode), DMX controls the Master level/Effects speed, the Effects Mode 1-9, and in 2 colour and four colour models, the individual colour levels as follows
Single colour models:
DMX 1: Master level/Effects speed
DMX 2: Effects mode 1-9 (see below)
Two colour models:
DMX 1: Master level/Effects speed
DMX 2: Warm colour (3200°K) to Cool Colour (5600°K)
DMX 3 Effects mode 1-9
Four colour models:
DMX1: Master level/Effects speed
DMX 2; Red level
DMX 3: Green level
DMX 4: Blue level
DMX 5: White level
DMX 6: Effects mode 1-9

EFFECTS MODES 1-9
Effects modes 1-9 can be set locally (by thumbwheel or joystick), If the Mode is set 0 (remote control), then the last DMX level controls the Effects mode from 1-9:
Mode 1: (or DMX=<10% in Mode 0) Fade time matches 250 watt tungsten bulbs
Mode 2: (or DMX = 20% in Mode 0) Fade time matches 500 watt tungsten bulbs
Mode 3: (or DMX = 30% in Mode 0) Fade time matches 1kw tungsten bulbs
Mode 4: (or DMX = 40% in Mode 0) Fade time matches 2kw tungsten bulbs
Mode 5: (or DMX = 50% in Mode 0) Fade time matches 5kw tungsten bulbs
Mode 6: (or DMX = 60% in Mode 0) Fire fade/flicker effect: Off, slow/dim to fast/bright
Mode 7: (or DMX = 70% in Mode 0) Ramp cycle up/dn 0-100%: Off, 10 minutes to 0.5 sec fade cycle
Mode 8: (or DMX = 80% in Mode 0) Random flash effect: Off, slow/dim to fast/bright
Mode 9: (or DMX = >90% in Mode 0) Strobe flash effect: Off, 1 to 25 flashes per sec

SPECIFICATIONS

HOUSING: Anodised aluminium extrusion sides, molded plastic front and back
COLOUR: Non-reflective black. Custom colours can be supplied for larger orders
YOKE: Anodised aluminium, with easy adjusting tilt friction lock, adjustable yoke balance point, safety cable tie point
LED COOLING: Fan cooled copper heatpipe heatsink, with fan speed proportional to LED temperature
WORKING TEMPERATURE: -30°C to +40°C ambient
CASE TEMPERATURE: 30°C maximum above ambient
WORKING POSITION: Any
HUMIDITY: 95% max, non-condensing
IP RATING: IP20 (indoor use only)
DMX FAIL BEHAVIOUR: 10 minutes hold, then 5 min fade out for Modes 1-5, instant off for Modes 6-9
SINGLE COLOUR LED OPTIONS:
Incandescent halogen white (3,200°K), CRI >95
Film White (5,600°K), CRI >95
Cool White (8,000°K), CRI >90 (max lumens output)
Other colour temperature and CRI choices to order
TWO COLOUR LED OPTIONS:
Tunable White Incandescent/Film 3,200°K-5,600°K, CRI >95. Other colour temperature and CRI choices to order
FOUR COLOUR LED OPTIONS:
Red, Green, Blue, plus Film White 5,600°K, CRI >95
Other White colour temperature and CRI choices to order
EXPECTED LED LIFETIME: >20,000 hours (~10 years at 6 hours per day, 6 days a week)
POWER SUPPLIES: Meanwell brand, MTBF >100,000 hrs @25C, Power Factor >0.9, Efficiency >90%. Input: universal mains 90-284vac, 47-63 Hz. Maximum loads: F500: 150 watts, F1000, Z1000: 300 watts
STANDARDS: AS/NZS 3760, CE
All lights are supplied with a colour frame, and a 1.5m power cable, IEC to 3 pin plug (or bare ends to order). Barndoors and fitted Lumen Radio Wireless DMX card and other accessories optional
DIMENSIONS: Body length x width x height, weight

F500:	219mm x 136mm x 168mm, 2.3kg
F1000:	294mm x 168mm x 200mm, 3.5kg
Z1000:	571mm x 168mm x 200mm, 5kg

ORDERING CODES

TLF500-3K-5XLR	F500 3200K
TLF500-5K-5XLR	F500 5600K
TLF500-2C-5XLR	F500 2 colour Tunable White
TLF500-4C-5XLR	F500 Red/Green/Blue/White
TLF500-BD	F500 Barndoor
TLF1000-3K-5XLR	F1000 3200°K
TLF1000-5K-5XLR	F1000 5600°K
TLF1000-2C-5XLR	F1000 2 colour Tunable White
TLF1000-4C-5XLR	F1000 Red/Green/Blue/White
TLF1000-BD	F1000 Barndoor
TLZ1000M-3K-5XLR	Z1000 15/30° 3200°K
TLZ1000M-5K-5XLR	Z1000 15/30° 5600°K
TLZ1000M-2C-5XLR	Z1000 15/30° Tunable
TLZ1000M-4C-5XLR	Z1000 15/30° RGBW
TLZ-GH	Z1000 Gobo holder B size 94mm
TLZ-IRIS	Z1000 Iris, aperture 2-60mm OD
TLF5/1K/TF/LR-RC	Fitted Wireless DMX Receiver
LUM-HC48OD	Hook clamp for 48mm OD pipe
LUM-SC300	Wire Safety Cable

Your Local Distributor: