

LITETILE PLUS 4

LITETILE PLUS 8



ABOUT

The all new **LiteTile+ Plus** is the first foldable LED lighting fixture made completely with engineered textiles. Available in several models, LiteTile+ Plus allows the user to install thin, soft, and adjustable Kelvin temperature (Hybrid) light into areas previously unavailable. Because LiteTile+ Plus folds up to 180° between each light engine, the luminaire can be shaped into numerous configurations allowing for 360°, two-sided, or irregularly shaped setups. LiteTile+ Plus can be directly attached to walls or ceiling surfaces such as office drop-ceilings with just spring-clips or tape. A small LiteTile+ Plus can be taped to the interior ceiling of an automobile as a dome-light simulator or to create a super subtle interior ambient. The LiteTile+ Plus really shines, for example, when four LiteTile+ Plus 8 fixtures are attached to a overhead/butterfly 8'x8' frame. That is more than 4,600 CineMitters creating ultra-soft Hybrid light output without the need for additional diffusion. LiteTile+ Plus is compatible with all current and future +Series power modules, which feature legendary LiteDimmer cinema-grade electronics, Hybrid functionality, and locking electrical connections. These +Series power modules are available in several configurations, with some of the units featuring Gold Mount or V-Lock battery mounts along with external DC input capabilities. The LiteTile+ Plus system is sure to offer lighting flexibility second to none.

Features

- Hybrid (2600K to 6200K) output
- Folds down to roughly 1'x2' size
- Numerous mounting options
- Available in several versions
- Plus+Compatible

CONTROL OPTIONS

LiteTile+ Plus series fixtures can be powered and controlled by any LiteDimmer+ Plus units, as long as the minimum power requirements are met. See below for specific LiteTile+ Plus minimum power requirements:

LiteTile+ Plus 1: LiteDimmer+ Plus units capable of 50W or greater

LiteTile+ Plus 4: LiteDimmer+ Plus units capable of 200W or greater

LiteTile+ Plus 8: LiteDimmer+ Plus units capable of 400W or greater

To determine LiteDimmer+ Plus compatibility, ensure that the wattage of the LiteTile+ Plus is less than or equal to the maximum wattage of the LiteDimmer+ Plus.

CONNECTIONS

LiteTile+ Plus series fixtures make use of the PowerLock-7 (PL7) connection system found across all +Series product lines. See "CONTROL OPTIONS" above for LiteDimmer+ Plus compatibility. Some units are wired for passthrough (i.e., daisy chain) capability.

Note: Only daisy chain LiteTile+ Plus fixtures together if the combined output is less than or equal to the rated wattage of the LiteDimmer+ Plus unit being used, not to exceed the wattage of a single LiteTile+ Plus 8. For example, no more than eight LiteTile+ Plus 1s or two LiteTile+ Plus 4s can be daisy chained together regardless of the LiteDimmer+ Plus wattage. ENSURE THAT THE COMBINED TOTAL WATTAGE DOES NOT EXCEED THE LIMITATIONS OF THE LITEDIMMER+ PLUS BEING USED.

HOW TO INSTALL

LiteTile+ Plus fixtures have been designed to work with LiteDimmer+ Plus units. The LiteTile+ Plus can plug directly into the PL7 input on your LiteDimmer+ Plus, or you may opt to add a PL7 extension in-line between your LiteTile+ Plus fixture and your LiteDimmer+ Plus unit. See your LiteDimmer+ Plus user manual for further installation instructions.

Installing LiteTile+ Plus fixtures is a breeze. Each LiteTile+ Plus fixture is outfitted with several large diameter eyelets and hook and loop Velcro®. LiteTile+ Plus units can be tiled together and installed into grip frames (e.g., two LiteTile+ Plus 4s into a 4'x4' frame or four LiteTile+ Plus 8s into an 8'x8' frame) using sash cord, for example. Use adhesive Velcro® to mate with the Velcro® found on the fixture, or use gaffer's tape if the LiteTile+ Plus fixture is light enough to be supported by it.

However, the perfect companion to LiteTile+ Plus fixtures is LiteBox. LiteBox has been specifically created for LiteTile, and each LiteBox was designed for easy assembly and quick configuration. Various mounting accessories are available. Available in 2'x4', 4'x4', 2'x8', and 4'x8' configurations in either 1" or 6" depths with 3-piece diffusion and Snapgrid®s available, LiteBoxes can be hung or placed using conventional C-stands or anything with a 2.5" or 4.5" grip head. LiteBoxes can also be hinged together (some restrictions apply) to form larger soft boxes or to form a "book light" with up to double the amount of light as a single fixture by itself. The options are limitless!

CARE AND MAINTENANCE

While the LiteTile+ Plus family is rugged and ready for constant use on set, it is best to make sure you properly care for and maintain your LiteTile+ Plus unit.

- Good practices include, but are not limited to, the following:
- Do not operate the fixture when folded at any time.
- Before operation, inspect the entire fixture for any visible damage to the clear cover, the fabric enclosure, or the cables.
- Inspect the connectors for any missing, damaged, or burned pins.
- Open the wire flap and be sure that there are no loose connections or visible copper strands.
- Make sure that all Velcro® edges are free from debris.
- Do not puncture or use any sharp objects on the clear cover or fabric enclosure.
- Bend or fold the unit in between individual tile segments only. Applying severe bends on the light engine sections of the fixture could result in severe damage to your fixture.
- Do not rest heavy objects on the fixture.
- Use a damp cloth with water only to clean the fixture.
- Do not use any harsh or abrasive cleaners on the unit.
- Store and transport your fixture fully folded on a flat surface.
- Do not operate the fixture if there is visible damage.
- Do not expose the fixture to excessive moisture or use in heavy rain.

TROUBLESHOOTING

If your LiteTile+ Plus unit seems to be experiencing irregular operation, verify the following:

Cable connections

Make sure that the connectors are fully engaged and locked.

Make sure that the connectors are not damaged or pins missing or burned.

Verify that the cable's jacket is intact and no exposed conductors are visible.

The settings of your LiteDimmer+ Plus (see the LiteDimmer+ Plus user manual for more information)

That there are no damaged components, such as LEDs and resistors

That your LiteTile has no visible damage, i.e., torn, melted or missing clear cover, torn fabric envelope, exposed wires or loose wire connections

That there are no rogue strands of copper or other metals that are causing a short circuit between any of the positive and negative copper solder pads or wires

If your LiteTile+ Plus is still experiencing irregular operation, contact LiteGear Technical Support for assistance.

TECHNICAL SPECIFICATIONS

Mechanical

LiteTile+ Plus 1

Size: 24 in. x 12.75 in. (610 mm x 324 mm)

Weight: 1.8 lb (0.82 kg)

LiteTile+ Plus 4

Size: 24 in. x 46.5 in. (610 mm x 1181 mm)

Weight: 4.4 lb (2.0 kg)

LiteTile+ Plus 8

Size: 24 in. x 92 in. (610 mm x 2337 mm)

Weight: 7.6 lb (3.5 kg)

Electrical

LiteTile+ Plus 1

Wattage: 50W

Voltage: 24VDC

Amperage: 2.083A

LED Quantity: 576 (288, Tungsten; 288, Daylite)

LiteTile+ Plus 4

Wattage: 200W

Voltage: 24VDC

Amperage: 8.33A

LED Quantity: 2304 (1152, Tungsten; 1152, Daylite)

LiteTile+ Plus 8

Wattage: 400W

Voltage: 24VDC

Amperage: 16.67A

LED Quantity: 4608 (2304, Tungsten; 2304, Daylite)

Optical Specs

LiteTile+ Plus 1

Lumens: 2548 lm

CRI (Average): 95+

TLCI (Average): 95+

CCT (Kelvin Temperature): 2600K~6200K

LiteTile+ Plus 4

Lumens: 10192 lm

CRI (Average): 95+

TLCI (Average): 95+

CCT (Kelvin Temperature): 2600K~6200K

LiteTile+ Plus 8

Lumens: 20384 lm

CRI (Average): 95+

TLCI (Average): 95+

CCT (Kelvin Temperature): 2600K~6200K

WARNINGS

Do not operate folded.

Operation by qualified personnel only.

Risk of electrical shock.

Disconnect power before servicing.

For use in dry locations only.

Use with LiteGear LiteDimmer+ Plus only.