LITEMAT is a unique and lightweight LED lighting fixture system designed for cinema, television, and HD video. Born out of the need for a Color-Correct light source that is lightweight yet durable, high quality yet economical, and simple yet cleverly fashioned, LiteMat takes a unique approach to lighting. By providing evenly spaced, color-correct LEDs spread out over a large area, LiteMat creates soft light without requiring diffusion. This “soft-through-pixelization” method allows the unit to achieve surprisingly bright light levels while remaining under 1 in. (25 mm) thick in size and just 2.2 lb (1kg) in weight.

LITEMAT can be used any time that soft and controllable light is required. As a key light, you can easily mount the unit on a “Baby” stand or attach it to an elevator wall with adhesive-backed Velcro®. Because it’s lightweight, LiteMat makes a great handheld fill light or one that can be easily mounted overhead.

LITEMAT walks the line between a complete, ready-to-shoot system and a DIY light source. With its set of predefined accessories, it can serve the needs of DPs, gaffers, and lighting technicians looking for a more turn-key setup. Conversely, the LiteMat head unit, with its Kino Flo®-compatible mounting system, offers the next step in DIY light fixtures by serving as the heart for your next great idea. You can easily make your own accessories or simple soft boxes, customized light banks, or even your own Chinese lantern. Just attach your creation with Velcro® “hook,” and you are all set.
LiteMat Tungsten provides an incandescent-like color that appears warm to the eye and to the camera. Performing at 3200K and 95 CRI, LiteMat Tungsten is named for the metallic element that has been commonly associated with incandescent lighting. It beautifully mixes with legacy tungsten and halogen light sources and dims without Kelvin temperature shift.

LiteMat Daylite provides midday, sun-like hues that can be used to boost available daylight without the use of filters. Performing at 6000K and 95 CRI, LiteMat Daylite is named for the industry term used for other daylight, color-correct technologies like fluorescent and HMI. It has more in common with these other technologies than its name. LiteMat Daylite has been designed to match color and spectrum making it easy to openly mix light sources and lighting technologies.

LiteMat Hybrid provides all the benefits of LiteMat Tungsten and Daylite along with the range of Kelvin temperatures between 3200K and 6000K. This obvious advantage allows your LiteMat to always provide the required white balance without the need for filters. When used with our LiteDimmer Hybrid, you get granular control of Kelvin temperature along with master brightness, and with its low mode, it is possible to achieve ultra precise low-light level control.
The LiteMat 1 is based on one “tiled” light engine measuring 9.5 in. x 19 in. (240 mm x 480 mm). The head unit features 288 genuine VHO Pro LEDs and is covered by a thin, clear polycarbonate layer and bordered entirely with Velcro® “loop” fastener. Mounting is provided with a removable, Kino Flo®-compatible, gimbal mount. The “soft-through-pixelization” method allows the LiteMat 1 to achieve surprisingly bright light levels while remaining under 1 in. thick and weighing just 2.3 lb.

**Mechanical | Electrical | Optical | Photometric**

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*Optional Accessories*

Available accessories are a 3 in. (76 mm) PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.

LiteMat can be used anytime that soft and controllable light is required. As a key light, you can easily mount the unit on a “Baby” stand or attach it to an elevator wall with adhesive Velcro®. Because it’s lightweight, LiteMat makes a great handheld fill light or can easily be mounted overhead.

LiteMat is used with the LiteRig System, which provides quick and easy adjustment of the entire system, from frame to accessory, with the touch of a button on the remote control.
The LiteMat 2 is based on two “tiled” light engine measuring 9.5 in. x 19 in. (240 mm x 480 mm). The head unit features 576 genuine VHO Pro LEDs and is covered by a thin, clear polycarbonate layer and bordered entirely with Velcro® “loop” fastener. Mounting is provided with a removable, Kino Flo®-compatible, gimbal mount. The “soft-through-pixelization” method allows the LiteMat 2 to achieve surprisingly bright light levels while remaining under 1 in. thick and weighing just 3.5 lb.

LiteMat can be used anytime that soft and controllable light is required. As a key light, you can easily mount the unit on a “Baby” stand or attach it to an elevator wall with adhesive Velcro®. Because it’s lightweight, LiteMat makes a great handheld fill light or can easily be mounted overhead.

**OPTIONAL ACCESSORIES**

Available accessories are a 3 in. (76 mm) PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.
The LiteMat 2L is based on two "tiled" light engine measuring 9.5 in. x 19 in. (240 mm x 480 mm). The head unit features 576 genuine VHO Pro LEDs and is covered by a thin, clear polycarbonate layer and bordered entirely with Velcro® "loop" fastener. Mounting is provided with a removable, Kino Flo®-compatible gimbal mount. The "soft-through-pixelization" method allows the LiteMat 2L to achieve surprisingly bright light levels while remaining under 1 in. thick and weighing just 3.5 lb.

**LITEMAT 2L**

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</table>
| 3 in. (76 mm) | PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.

**OPTIONAL ACCESSORIES**

Available accessories are a 3 in. (76 mm) PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.
The LiteMat 3 is based on three "tiled" light engine measuring 9.5 in. x 19 in. (240 mm x 480 mm). The head unit features 864 genuine VHO Pro LEDs and is covered by a thin, clear polycarbonate layer and bordered entirely with Velcro® "loop" fastener. Mounting is provided with a removable, Kino Flo®-compatible, gimbal mount. The "soft-through-pixelization" method allows the LiteMat 3 to achieve surprisingly bright light levels while remaining under 1 in. thick and weighing just 4.7 lb.

### LiteMat 3

**Width**

Tungsten: 30.5 in. (775 mm)

Daylite: 30.5 in. (775 mm)

Hybrid: 30.5 in. (775 mm)

**Height**

Tungsten: 30.5 in. (775 mm)

Daylite: 30.5 in. (775 mm)

Hybrid: 30.5 in. (775 mm)

**LED Qty.**

Tungsten: 864

Daylite: 864

Hybrid: 864

**Voltage Nominal**

Tungsten: 12 V

Daylite: 12 V

Hybrid: 12 V

**Current @12V**

Tungsten: 11.5 A

Daylite: 11.5 A

Hybrid: 11.5 A

**Watts @12V**

Tungsten: 138 W

Daylite: 138 W

Hybrid: 138 W

**CCT (Kelvin)**

Tungsten: 3200 K

Daylite: 6000 K

Hybrid: 3.2k/6k

**CCT (±/CRI TLCI) 2012**

Tungsten: 89/95

Daylite: 95/95

Hybrid: 92/89

**Lumens**

Tungsten: 1253 lm @ 12 in.

Daylite: 1253 lm @ 12 in.

Hybrid: 1253 lm @ 12 in.

**fc @ 12 in.**

Tungsten: 410 fc

Daylite: 410 fc

Hybrid: 410 fc

**fc @ 24 in.**

Tungsten: 266 fc

Daylite: 266 fc

Hybrid: 266 fc

**fc @ 36 in.**

Tungsten: 182 fc

Daylite: 182 fc

Hybrid: 182 fc

**fc @ 48 in.**

Tungsten: 115 fc

Daylite: 115 fc

Hybrid: 115 fc

**fc @ 60 in.**

Tungsten: 77 fc

Daylite: 77 fc

Hybrid: 77 fc

**fc @ 72 in.**

Tungsten: 50 fc

Daylite: 50 fc

Hybrid: 50 fc

**fc @ 96 in.**

Tungsten: 30 fc

Daylite: 30 fc

Hybrid: 30 fc

### LiteMat can be used anytime that soft and controllable light is required. As a key light, you can easily mount the unit on a "Baby" stand or attach it to an elevator wall with adhesive Velcro®. Because it's lightweight, LiteMat makes a great handheld fill light or can easily be mounted overhead.

### Optional Accessories

Available accessories are a 3 in. (76 mm) PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.

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**LiteMat 3**

- **Mechanical**
  - Width: 30.5 in.
  - Height: 30.5 in.
- **Electrical**
  - Voltage Nominal: 12 V
  - Current: 11.5 A
- **Optical**
  - CCT: 3200 K
  - CRI: 95
- **Photometric**
  - Lumens: 1253 lm @ 12 in.
The LiteMat 4 is based on four "tiled" light engine measuring 9.5 in. x 19 in. (240 mm x 480 mm). The head unit features 1152 genuine VHO Pro LEDs and is covered by a thin, clear polycarbonate layer and bordered entirely with Velcro® "loop" fastener. Mounting is provided with a removable, Kino Flo®-compatible, gimbal mount. The "soft-through-pixelization" method allows the LiteMat 4 to achieve surprisingly bright light levels while remaining under 1 in. thick and weighing just 5.7 lb.

### SPECIFICATIONS

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LiteMat can be used anytime that soft and controllable light is required. As a key light, you can easily mount the unit on a "Baby" stand or attach it to an elevator wall with adhesive Velcro®. Because it’s lightweight, LiteMat makes a great handheld fill light or can easily be mounted overhead.

**OPTIONAL ACCESSORIES**

Available accessories are a 3 in. (76 mm) PolySkirt, three densities of Diffusers that mount to the PolySkirt, an aluminized Parasquare® Louver, a Kino Flo®-compatible Center Mount, and a KitBag for protecting the LiteMat and all of its accessories.

**HELPFUL LINKS**

- [LiteMat](#)
- [LiteMat 4](#)
- [LiteMat 3](#)
- [LiteMat 2](#)
- [LiteMat 1](#)
01. CENTER MOUNT
The LiteMat mounting system is one borrowed from the leader in the fluorescent cinema market, Kino Flo®. The “K-Mount” system is well established as being reliable and functional.

02. POLYSKIRT™
The PolySkirt is a multi-wall polypropylene (coroplast) skirt that helps control the light output by limiting the amount of light exiting the fixture beyond the 120 degree primary field. The PolySkirt is assembled using shock-cord and mounts to the LiteMat head with Velcro®. The PolySkirt also serves as an accessory holder as all remaining accessories require its use.

03. DIFFUSERS
Woven fabric “diffusers” are typical items for this type of lighting system. LiteMat Diffusers are made in industry-standard varieties and are assembled by stitching “hook” Velcro® around their borders to mate with the “loop” on the PolySkirt. Presently, there are three densities of grid-cloth (quarter, half, and full).

04. PARASQUARE® LOUVER
The Parasquare louver is an aluminized plastic molded sheet with parabolic elements within each square cell that provides desirable and loss-less light output with refined edges and an even field. Velcro® one-wrap die-cut strips are attached to the edges to serve as a mounting mechanism to the PolySkirt.

05. KITBAG™
The KitBag holds the LiteMat fixture as well as the accessories, including the PolySkirt, Parasquare® Louver, Diffusers, LiteDimmer™, power supply, Center Mount, and cables. This bag is specifically designed to protect your gear from “everyday” damage due to environmental conditions.
The LiteDimmer line of LED controls starts with LiteDimmer Single. Designed exclusively for use on film, TV, and HD video sets, LiteDimmer Single takes the “one-thing-well” approach to LED dimming. It features an ultra-smooth dimming range using our patent-pending flicker-free circuit. Its connectivity is also quite simple. Using a 2.1mm barrel input, LiteDimmer Single features our own custom-made, panel-mounted barrel output connector. The interface includes a rotary knob that controls the dimming level. This knob has a hideaway feature that prevents accidental level changes and assists in storage. It also features a three-mode switch that allows for manual cueing as well as a low mode that reduces the output by two F-Stops allowing fine control of low output levels. Finally, its housing is made of extruded, black-anodized aluminum with rubber bumpers that eliminates damage to sensitive surfaces.

LiteDimmer Hybrid is a manually controlled, flicker-free LED dimmer. Designed exclusively for use on film, TV, and HD video sets, it offers control of Kelvin temperature along with brightness when used with VHO Pro Hybrid LiteRibbon®. Like its little brother, LiteDimmer Single, it features an ultra-smooth dimming range using our patent-pending flicker-free circuit. There are two versions: Standard and Hi-Capacity. Including a 2.1mm barrel input connector (Standard) or a PH2 input connector (Hi-Capacity) and a HyConn output connector, LiteDimmer Hybrid’s interface has two knobs—one for Kelvin and one for brightness. These knobs include a hideaway feature that prevents accidental level changes and assists in storage. It also features a three-mode switch that provides on/off cueing along with several advanced modes. The LiteDimmer Hybrid is housed in an extruded, black-anodized aluminum case with rubber bumpers that eliminates damage to sensitive surfaces.
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