



LITEGEAR

SPECIALTY LIGHTING GEAR

LITE DIMMER HYBRID

PROFESSIONAL KELVIN-ADJUSTABLE LED DIMMER

LED LITEDIMMER - HYBRID ADVANCED LED DIMMER, FLICKER-FREE



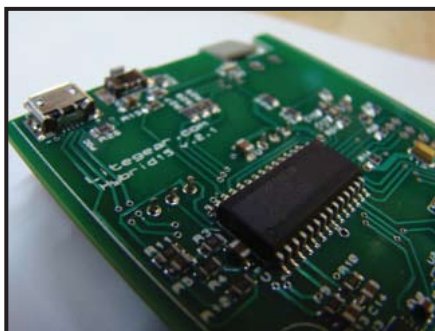
LED LiteDimmer Hybrid



LiteDimmer Connections Panel



Rear Panel, showing HyConn Connector



Advanced MicroProcessor PCB

PRODUCT NAME
LED LiteDimmer Hybrid

FEATURES

LiteDimmer Hybrid is the most advanced handheld LED dimmer on the market. It is the backbone of LiteGear's Hybrid LED products. Hybrid LiteRibbon and LiteCard are designed with both cool and warm LED emitters that when used with LiteDimmer Hybrid allow precise adjustment of Kelvin temperature ranging from 3000° to 6000°K. Its simple yet powerful approach to controlling color temperature and brightness sets a new standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals.

The Hybrid LiteDimmer utilizes a unique LiteGear design called DynaRhythmic PWM which allows Kelvin and brightness settings to remain completely independent. This allows the user to lock in the brightness level desired then dial in a precise Kelvin temperature anywhere in the full spectrum range of tungsten to daylight. All this is accomplished with the confidence of knowing that all settings are completely flicker-free and tested at camera speeds up to 500 FPS*. One LiteDimmer Hybrid is capable of controlling approximately 1,200 VHO-LED emitters. This equates to 10 meters of VHO120, 20 meters of VHO 60 and 40 meters of VHO30 LiteRibbon**.

LiteDimmer's offer a beautiful, full output dimming range from 0 to 100%, and also includes a "Low Mode" that dramatically increases the range of adjustment on the low-end allowing appropriate level control when working at low light levels. A "Two Channel" mode also allows LiteDimmer Hybrid to function as 2 "Single" dimmers when needed.



LitePower HyConn Cable Extension



LitePower HyConn ThreeFer



LitePower Power Supply

liteTMribbon & litecard

FOR USE WITH

THE LED BUILDING BLOCKS FOR YOUR NEXT GREAT IDEA



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FEATURES CONTINUED

LiteDimmer Hybrid is housed in a rugged aluminum case and protected with non scratch rubber end caps. The interface includes a three position switch with on, off, and low modes settings. Adjustments are made with 2 rotary controls, one for Kelvin Temp, the other for brightness. Both controls are hide-away enabled allowing the knobs to be safely recessed into the case to prevent accidental changes to critical settings and prevent damage when not in use. A multi-color indicator light denotes status such as on-off, high or low mode, and over-temperature warnings. The Hybrid LiteDimmer utilizes a panel mounted LiteGear HyConn connector for a robust connection that allows full integration with the LitePower HyConn distribution family.

LiteDimmer Hybrid is fully capable and load tested to 8 amps. They are microprocessor controlled which allows them to detect and protect themselves from reverse-polarity DC input power as well as short-circuits on the output side. The entire line of LiteDimmers are software upgradable at the factory which allows continued improvements to each dimmer through software releases.

LiteDimmer Hybrid: Putting the full power and range of the LiteGear VHO Hybrid family in your hands.

** Always perform camera test when shooting at frame rates above 24 fps, ** When used in "Hybrid" mode*

HARDWARE SPECIFICATIONS

SIZE: 70mm (2.75") wide x 36mm (1.4") tall x 95mm (3.75") long

INPUT: 12/24V DC, (10-32v), Input voltage must match load voltage requirements!

RATING: 8 Amps max. total, 8 amps max. per channel

WATTAGE: 96 Watts max.

WEIGHT: 6 Ounces, 170 Grams

OUTPUT: DynaRythmic PWM, allows rock-steady Kelvin / brightness settings and flicker free operation

Does not provide "Current Limiting". For use with litegear products only.

SOFTWARE SPECIFICATIONS

CODE: Proprietary code written in-house by Motion Picture Lighting Technicians

MODE: DynaRythmic Hybrid Mode, allows Kelvin adjustment

MODE: Low Mode, reduces the output by 2 F-Stops (25%) allowing fine adjustment of brightness

MODE: 2 Channel Mode, allows independent control of 2 separate VHO units, adapter required

Software is factory upgradable



HideAway Dials Enabled



LiteDimmer Hybrid

LITEGEAR.COM/LITEDIMMER



LITEGEAR WEBLINK



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