



# LITEGEAR

SPECIALTY LIGHTING GEAR

# HYBRID literibbon™



FLEXIBLE LED RIBBON LIGHT

## LED LITERIBBON™ - VHO 120, VHO 60, VHO 30 HYBRID WHITE, ADJUSTABLE KELVIN TEMPERATURE



LED LiteRibbon VHO 120, 30 and 30



LiteRibbon VHO 120 on Reel



LED LiteDimmer Hybrid Control



LiteRibbon VHO 120 w/ Gaffers Glass

### PRODUCT NAME

VHO LED LiteRibbon™ HYBRID, VHO 120, VHO 60, VHO 30

### FEATURES

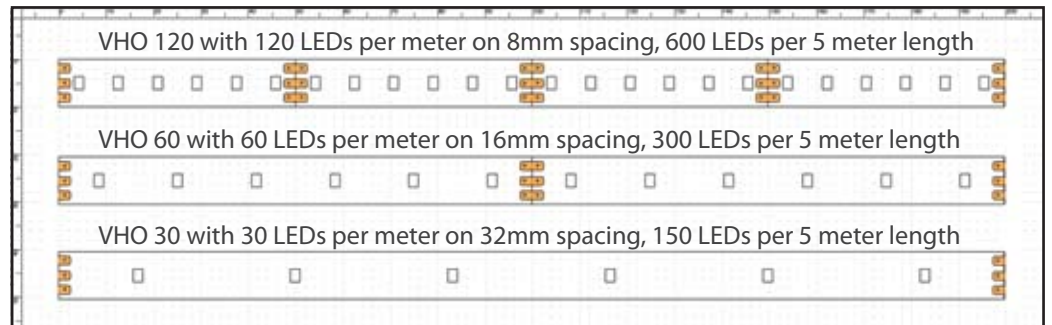
VHO Hybrid LED LiteRibbon is a single row of wide-angle low profile, light-emitting diodes, (LEDs), mounted to a flexible strip of material. It has alternating Warm White and Cool White LEDs allowing for precise Kelvin temperature control. Combined with our revolutionary LiteDimmer Hybrid controller, you can adjust the brightness without effecting the Kelvin and adjust Kelvin without effecting brightness. It is quite simply a sight to behold. Freedom To Set Kelvin!

VHO Hybrid LiteRibbon is cuttable every 6 emitters and along with single color VHO LiteRibbon is 10mm wide and available in 3 versions:

- VHO 120 is assembled with 120 emitters per meter (8mm spacing)
- VHO 60 with 60 emitters per meter (16mm spacing)
- VHO 30 with 30 emitters per meter (32mm spacing)

VHO LiteRibbon, VHO LiteCard and all LiteDimmer controllers have been designed specifically for Film and HD Video use. They and all of LiteGear's products allow for innovative DIY lighting fixtures that can easily be integrated into set-pieces, illuminated-props and augmented into the architectural elements of a production.

The VHO family has an entire control, power, and distribution eco-system, which allows for a wide variety of options in handling any situation. All of the VHO Lite Ribbon and LiteCard use the same type of warm and cool emitters. This allows maximum flexibility in finding the precise amount of light needed for any application. If you want to design an LED panel that is small, very bright, and can be used in tight spaces, VHO 120 may be a good choice. If soft light is desired, a larger panel with VHO 30 spreads the same quantity of emitters over a larger area and creates a beautiful, near-shadowless quality.



LiteRibbon VHO 120, 60 and 30 comparison layout





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### LITERIBBON FEATURES

- Adjustable Kelvin Temp.
- Dimmable w/o Kelvin Shift
- Flicker-Free operation
- Cut To Desired Length
- Adhesive Backed
- Wide-angle Output
- No Heat-sinks
- 12 Volts DC, No Special Drivers
- Handheld And DMX Controls

### MANY USES

- Source For DIY Panel Lights
- Under Cabinets And Shelves
- Vehicle Dashboards & Dome Lights
- Product Shots
- Soffits
- Lighted Handheld Props
- Lighted Costume/Wardrobe Elements
- Boosting Daylight Fill

### SPECIFICATIONS COMMON TO VHO 120, 60, & 30

SIZE: 10mm (0.39") wide x 1.8mm (.07") tall

LIFESPAN: 50,000 Hours (depending on environmental conditions)

OPTICAL: 120° Beam angle

### VHO 120 SPECIFICATIONS

LR-VHO120-HY-12-(Length), HYBRID WHITE

ELECTRICAL (w/LiteDimmer in Hybrid Mode): 12V DC, (8-13v) 9.6 watts, 0.8 amps per meter (0.25a per foot)

ELECTRICAL (with individual control): 12V DC, (8-13v) 19.2 watts, 1.6 amps per meter (0.5a per foot)

PHYSICAL: 120 LED'S per meter, on 8mm (.32") centers, cuttable every (6) emitters (50mm, 2")

### VHO 60 SPECIFICATIONS

LR-VHO60-HY-12-(Length), HYBRID WHITE

ELECTRICAL (w/LiteDimmer in Hybrid Mode): 12V DC, (8-13v) 4.8 watts, 0.4 amps per meter (0.125a per foot)

ELECTRICAL (with individual control): 12V DC, (8-13v) 9.6 watts, 0.8 amps per meter (0.25a per foot)

PHYSICAL: 60 LED'S per meter, on 16mm (.63") centers, cuttable every (6) emitters (100mm, 4")

### VHO 30 SPECIFICATIONS

LR-VHO30-HY-12-(Length), HYBRID WHITE

ELECTRICAL (w/LiteDimmer in Hybrid Mode): 12V DC, (8-13v) 2.4 watts, 0.2 amps per meter (0.0625a per foot)

ELECTRICAL (with individual control): 12V DC, (8-13v) 4.8 watts, 0.4 amps per meter (0.125a per foot)

PHYSICAL: 30 LED'S per meter, on 32mm (1.25") centers, cuttable every (6) emitters (200mm, 8")

### CURRENT CALCULATIONS

Multiply LED quantity by 0.0065 = Amperage (Hybrid mode)

Multiply LED quantity by 0.013 = Amperage (individual control mode)

CURRENT / AMPS	120	60	30
PER INCH	0.02	0.01	0.05
1 FOOT (0.3M, 30CM)	0.25	0.13	0.07
2 FEET (0.6M, 60CM)	0.50	0.25	0.13
3 FEET (0.9M, 91CM)	0.75	0.38	0.19
1.25 METER (49", 4')	0.80	0.40	0.20
5 FEET (1.5M, 152CM)	1.25	0.63	0.32
6 FEET (1.8M, 182CM)	1.50	0.75	0.35
2 METER (78", 6.5')	1.60	0.80	0.40
7 FEET (2.1M, 213CM)	1.75	0.88	0.44
2.5 METER (98", 8.2')	2.00	1.00	0.50
9 FEET (2.7M, 274CM)	2.25	1.13	0.56
3 METER (118", 10')	2.40	1.20	0.60
11 FEET (3.3M, 335CM)	2.75	1.38	0.69
3.5 METER (137", 11.4')	2.80	1.40	0.70
12 FEET (3.6M, 365CM)	3.00	1.50	0.75
4 METER (157", 13.1')	3.20	1.60	0.80
14 FEET (4.2M, 426CM)	3.50	1.75	0.87
15 FEET (4.6, 457CM)	3.75	1.88	0.94
5 METER (196", 16.4')	4.00	2.00	1.00
10 METER (393", 32.8')	8.00	4.00	2.00

When used with LiteDimmer Hybrid, in Hybrid mode.

### PHOTOMETRICS in Footcandles.

Color / Model	Kelvin Temp.	3"	6"	12"	18"	2'	3'	4'	5'	6'
VHO 120 Hybrid White	3000-6000° K	335	160	74	48	30	16.4	10.8	7.6	6
VHO 60 Hybrid White	3000-6000° K	167.5	80	37	24	15	8.2	5.4	3.8	3
VHO 30 Hybrid White	3000-6000° K	83.7	40	18.5	12	7.5	4.1	2.7	1.9	1.5

Measurements taken using LiteDimmer Hybrid, in Hybrid mode. Multiply readings by 2 when using 2-channel mode.

