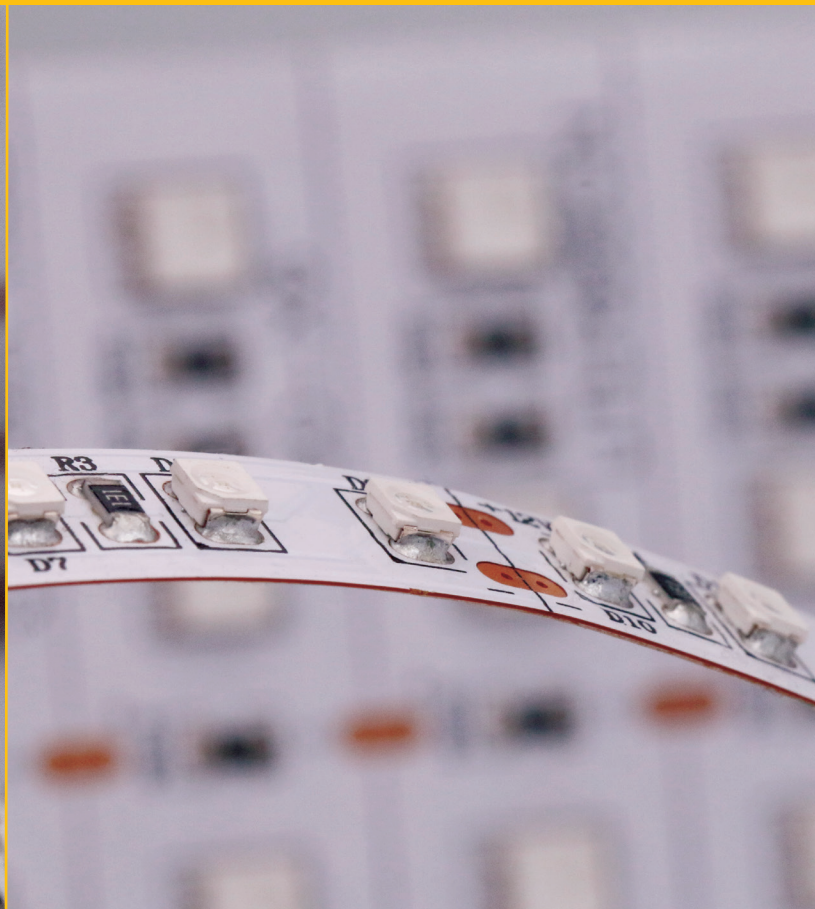
LITERIBBON® CATALOG

LITEGEAR®

TUNGSTEN


R3
D7

THE BUILDING BLOCK FOR YOUR NEXT GREAT IDEA.

LITERIBBON® VHO PRO™

It's the first and only color-correct, flexible LED ribbon on the planet. While it features an impressive 95 CRI rating, that's only a small part of the story of VHO Pro™. After years of formulation and extensive testing with A-list gaffers and renowned cinematographers, the fruits of our labor are finally available. Other similar products claim "high CRI" or "no green" but pale in comparison to VHO Pro's full-spectrum color rendering. There are 24 variations to choose from for your next project. VHO Pro LiteRibbon® is available in two densities: high-density 120 and low-density 60. VHO Pro120 provides a concentrated, slightly “hard” output at about 1.5 watts per square inch. When specifying an intense light source for a small area, VHO Pro120 is a great choice. When more subdued light is required, VHO Pro 60 provides an unmistakably soft light output.

LITERIBBON® CHROMA™

Chroma™ Single is the perfect choice when a pop of color is just what’s needed. Available in X1 width (one row wide), Chroma Single is assembled with 120 emitters per meter (8 mm spacing), 10 mm wide, and available in four individual colors: Red, Green, Blue, or Amber/Yellow. Not sure what color to choose? Then **Chroma RGB** will allow you to paint the town red . . . or pink or teal. This LiteRibbon is a 3-in-1 emitter with red, green, and blue on a single chip, available in two densities (60 and 72 emitters per meter), as well as two distinct widths (X1 and X6 [six rows wide]). If that’s not enough color for you, then **Chroma RGBA** (Red, Green, Blue, Amber) will expand your pallet. This 4-in-1 chip is available in X1 and has 72 emitters per meter. **Chroma-Correct™** is a proprietary LiteRibbon designed specifically for those with an eye on blending color with high-CRI white light. This custom 4-in-1 chipset is populated with RGB emitters and a color-correct Tung- or Day-white emitter.

LITEGEAR.COM
LITERIBBON
VHO PRO
HYBRID WHITE
120-X6
CUT
+12V

CHOOSING THE BEST SIZES FOR YOUR NEXT PROJECT.

If the desired type of light is linear, X1, X2, or X3 are great choices. These provide light output that is sharp and cuttable in one direction but softer in the other. In contrast, the size of X6 provides a less linear output and is a great choice to achieve pools of light. The choice between X1, X2, X3, or X6 comes down to the amount of surface area your project requires. LiteRibbon not only comes in these 4 distinct widths, but there are many lengths to choose from as well. Rolls of LiteRibbon start as long as 5 meters and scale all the way down to 2.6 inches, depending on the type of LiteRibbon.

AVAILABLE WIDTHS AND LENGTHS OF LITERIBBON VHO PRO

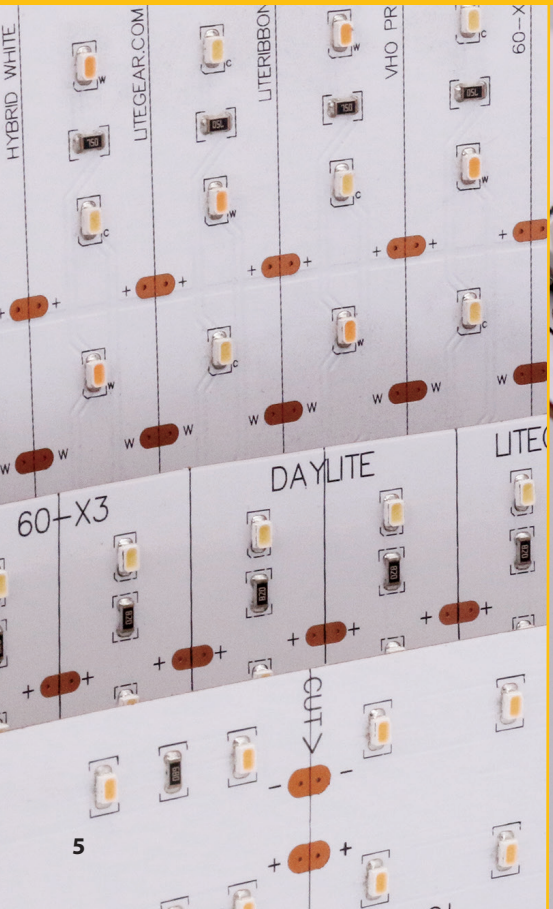
VHO Pro LiteRibbon is available in a total of 4 widths: Single-wide "X1" features a single row of emitters while double-wide "X2" offers a twin row. Completing the line are the triple-wide "X3" and six-wide "X6." All X1, X2, and X3 rolls of VHO Pro are available in eighth, quarter, half, and full rolls, while X6 is available in quarter, half, and full rolls.

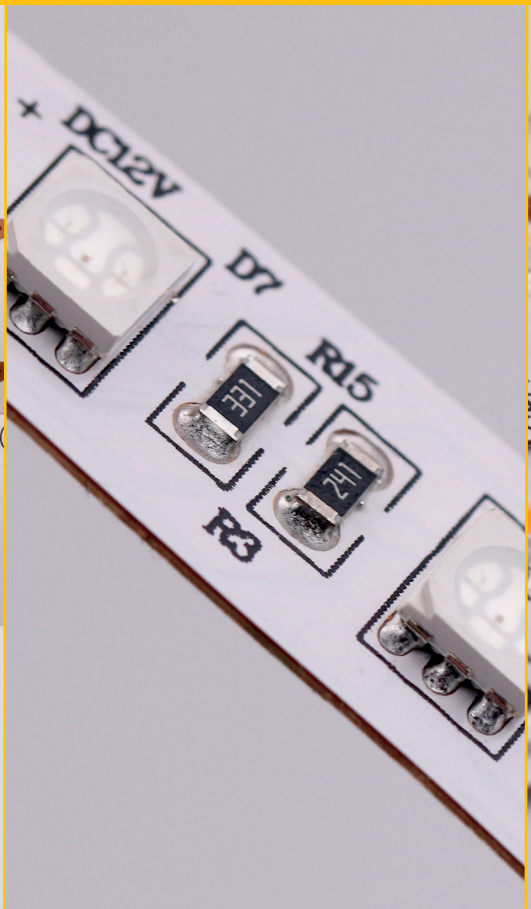
AVAILABLE WIDTHS AND LENGTHS OF LITERIBBON CHROMA

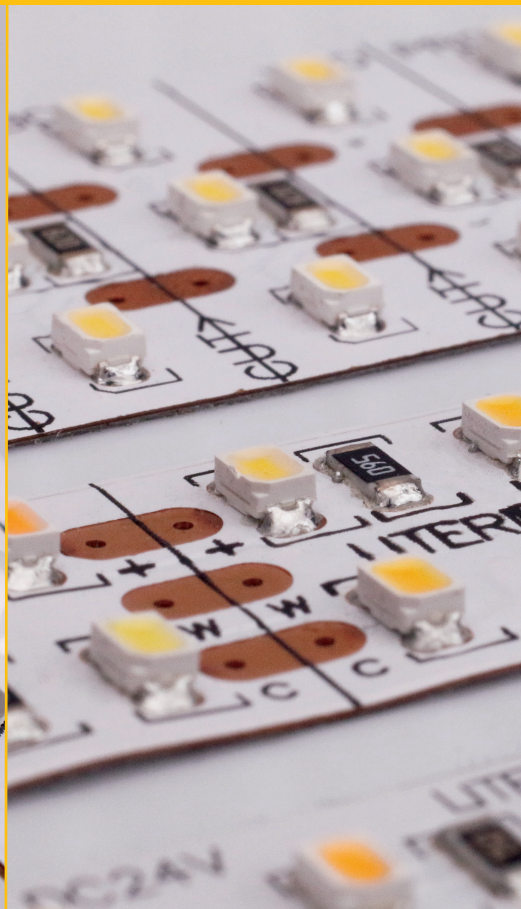
When it comes to Chroma, we believe in keeping it simple. Single, RGB, RGBA, and Chroma-Correct only come in full rolls and typically just X1 width. We did sneak in an X6 version of RGB for those times when size matters.

X1 = 1 row of emitters
X2 = 2 rows of emitters
X3 = 3 rows of emitters
X6 = 6 rows of emitters

= full roll
= half roll
= quarter roll
= eighth roll


HYBRID WHITE
LITEGEAR.COM
LITERIBBON
VHO PR
60-X
DAYLITE
60-X3
LITE
OUT


DC12V
D7
R15
R3
331
241


560
LITER
DC24V

MORE LIGHT VS. LESS LIGHT...CREATING THE EFFECT YOU WANT.

60 EPM* – LOW DENSITY

When more subdued light is required, low-density 60 provides an unmistakably soft light. At 60 emitters per meter, it produces beautiful, soft light without the need for diffusion filters. When a delicate and sourceless light is required, low density is recommended because it spreads the LEDs out over a larger area creating a softer light.

72 EPM* – CHROMA DENSITY

Saturated color that packs a punch — that's how we see Chroma 72. With dozens of RGB options and densities to choose from, 72 emitters per meter meets the everyday needs of the cinema and television industry perfectly. Not too little and not too much . . . just right.

84 EPM* – CHROMA DENSITY

All the benefits of Chroma 72 but in a tighter and more intense package. Often used in extrusions or as set decorations, Chroma 84 allows for more light and smoother color transitions when used behind a diffuser.

120 EPM* – HIGH DENSITY

Punch — that's how to describe high-density 120. This powerhouse LiteRibbon provides all the light possible for its physical size. Great for any situation that calls for the output to go to "eleven."

*EPM = Emitters per Meter

PRACTICAL APPLICATIONS FOR ANY LOCATION.

BUILD-IT-YOURSELF **FIXTURES**

LiteRibbon is a product with hundreds of uses. One of these is making custom flat-panel lighting fixtures. LiteRibbon can be assembled in an array on a thin, lightweight panel of nearly any shape or size. You can then use it as a handheld fill or flood in a tight spot. Or you could wrap LiteRibbon around a tube and place it inside a pole-mounted, battery-operated Chinese lantern to create an airy, super soft light that will beautifully reproduce skin tones over the full dimmable range. Use VHO Pro Hybrid™, and you now add adjustable Kelvin temperature too. Combine VHO Pro LiteRibbon LED products with our best-in-class LiteDimmer™ controls, and your next great idea is waiting to happen.

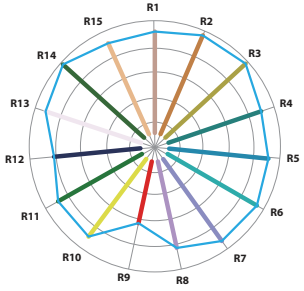
AUTOMOBILE **INTERIORS**

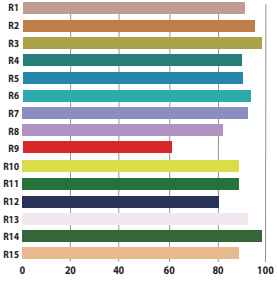
Perhaps LiteRibbon's most appealing use is within the interior of a vehicle. It is here that nearly all of its advantages are fully realized. Flexibility allows it to conform to irregular shapes. Cuttability allows just the right amount of light in just the right location of the vehicle. Dimmability lets you easily fine-tune the output especially during magic hour when the available light is rapidly changing. Adding our DMX controls allows LiteRibbon to serve as a lighting effect for a poor-man's-process setup.

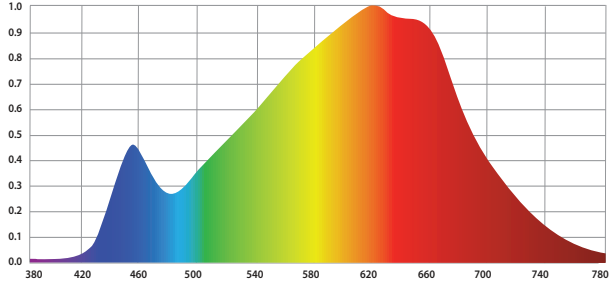
PRACTICAL **LOCATION**

When shooting at a practical location, LiteRibbon has many uses and advantages over traditional lighting gear. Due to its lightweight, miniature size and adhesive backing, LiteRibbon is the most low-impact form of lighting available. Capable of being installed under kitchen cabinets and controlled by a LiteDimmer with a small battery placed inside the cabinet, the homeowner will never know you were there. Whether boosting daylight or creating a subtle under-cabinet glow at night, you are sure to have as much (or as little) controllable, low-impact, color-correct light as needed.

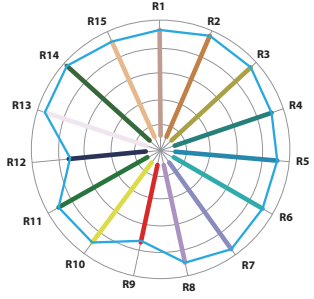
TUNGSTEN **LITERIBBON** VHO PRO COLOR RENDERING INDEX AND SPECTRAL GRAPH

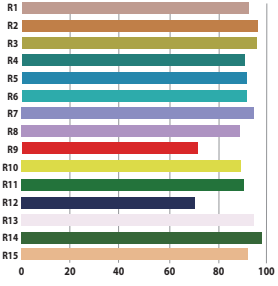


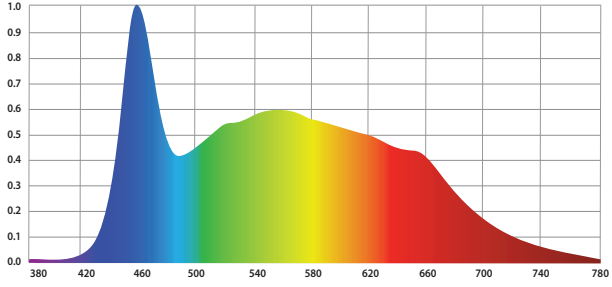




DAYLITE **LITERIBBON** VHO PRO COLOR RENDERING INDEX AND SPECTRAL GRAPH







COLOR-CORRECT • FULL-SPECTRUM WHITE • HIGH CRI.

TUNGSTEN **LITERIBBON** VHO PRO

VHO Pro Tungsten provides an incandescent-like color that appears warm to the eye and to the camera. Performing at 3200K and 95 CRI, VHO Pro 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.

DAYLITE **LITERIBBON** VHO PRO

VHO Pro 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, VHO Pro Daylite is named for the industry term used for other daylight, color-correct technologies like fluorescent and HMI. VHO Pro Daylite has been designed to match color and spectrum making it easy to openly mix light sources and lighting technologies.

HYBRID **LITERIBBON** VHO PRO

VHO Pro Hybrid provides all the benefits of VHO Pro Tungsten and Daylite along with the range of Kelvin temperatures between 3200K and 6000K. This obvious advantage allows your LiteRibbon package or kit to always provide the required white balance without the need for filters. When used with one of our Hybrid LiteDimmers, 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.

X1 16.4 FEET MAX. LENGTH
5 METERS MAX. LENGTH

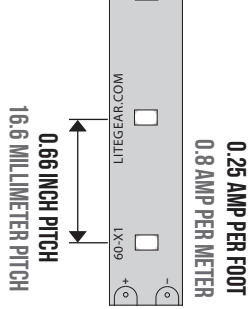
X2 8.2 FEET MAX. LENGTH
2.5 METERS MAX. LENGTH

X3 3.3 FEET MAX. LENGTH
1 METER MAX. LENGTH

X6 19.7 INCH MAX. LENGTH
0.5 METER MAX. LENGTH

LOW DENSITY 60 EPM

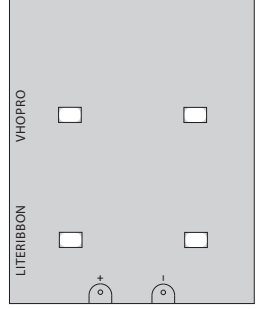
VHO Pro 60 provides a subtle, slightly "soft" output at about 0.75 watts per square inch. When specifying a softer light source for a small area, VHO Pro 60 is a great choice. *Available in Tungsten, Daylite, and tunable-white Hybrid.*



0.66 INCH PITCH
16.6 MILLIMETER PITCH

0.25 AMP PER FOOT
0.8 AMP PER METER

0.39 INCH WIDTH
10 MILLIMETER WIDTH
(ACTUAL SIZE)



0.5 AMP PER FOOT
1.6 AMPS PER METER

1.31 INCH WIDTH
33 MILLIMETER WIDTH
(ACTUAL SIZE)

LITERIBBON® VHO PRO™

X1 X2

X1 16.4 FEET MAX. LENGTH
5 METERS MAX. LENGTH

X2 8.2 FEET MAX. LENGTH
2.5 METERS MAX. LENGTH

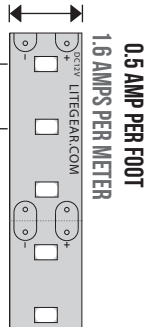
X3 3.3 FEET MAX. LENGTH
1 METER MAX. LENGTH

X6 9.8 INCH MAX. LENGTH
0.25 METER MAX. LENGTH

HIGH DENSITY 120 EPM

VHO Pro 120 provides a concentrated, slightly "hard" output at about 1.5 watts per square inch. When specifying an intense light source for a small area, VHO Pro 120 is a great choice. *Available in Tungsten, Daylite, and tunable-white Hybrid.*

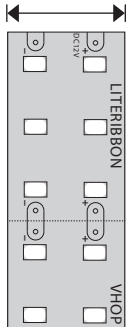
0.39 INCH WIDTH
10 MILLIMETER WIDTH
(ACTUAL SIZE)



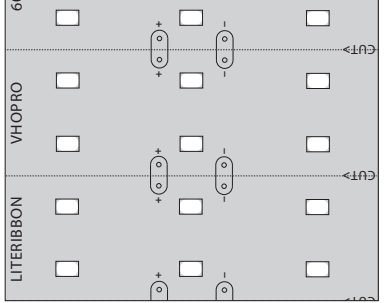
0.33 INCH PITCH
8.3 MILLIMETER PITCH

0.5 AMP PER FOOT
1.6 AMPS PER METER

0.66 INCH WIDTH
16.6 MILLIMETER WIDTH
(ACTUAL SIZE)

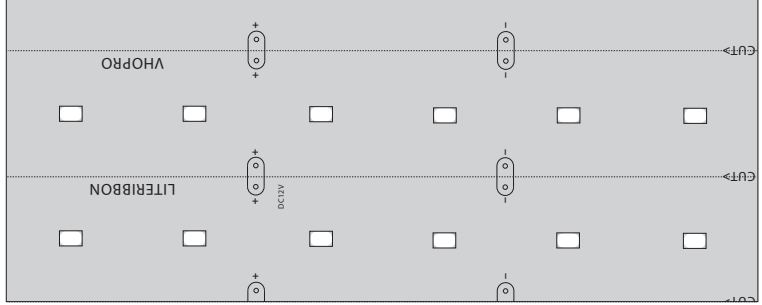


1 AMP PER FOOT
3.2 AMPS PER METER



0.75 AMP PER FOOT
2.4 AMPS PER METER

1.97 INCH WIDTH
50 MILLIMETER WIDTH
(ACTUAL SIZE)

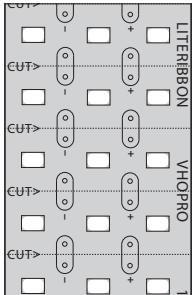


1.5 AMPS PER FOOT
4.8 AMPS PER METER

3.94 INCH WIDTH
100 MILLIMETER WIDTH
(ACTUAL SIZE)

X3

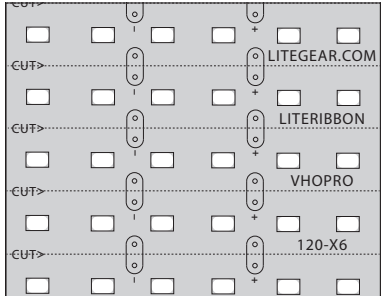
0.98 INCH WIDTH
25 MILLIMETER WIDTH
(ACTUAL SIZE)



1.5 AMPS PER FOOT
4.8 AMPS PER METER

X6

1.97 INCH WIDTH
50 MILLIMETER WIDTH
(ACTUAL SIZE)



3.0 AMPS PER FOOT
9.6 AMPS PER METER

OPTICAL SPECIFICATIONS FOR **LITERIBBON** VHO PRO **60** EPM*

Series	EPM* Density	Rows Wide	Kelvin	CCT (K)	CCT Consistency	CRI	Lumens per Meter	Beam Angle (°)	fc @ 12 in. (Beam Spread, in.)	fc @ 24 in. (Beam Spread, in.)	fc @ 36 in. (Beam Spread, in.)	fc @ 48 in. (Beam Spread, in.)	fc @ 60 in. (Beam Spread, in.)
VHO Pro	60	X1	Tungsten	3200	+/- 100K	95	536	120	74 (19 x 39)	32.4 (34 x 44)	15.8 (48 x 57)	9.9 (64 x 70)	6.6 (80 x 86)
VHO Pro	60	X1	Daylite	6000	+/- 100K	95	609	120	84 (19 x 39)	34.2 (34 x 44)	18.2 (48 x 57)	11.3 (64 x 70)	7.5 (80 x 86)
VHO Pro	60	X1	Hybrid	3200 ~ 6000	+/- 100K	95	572	120	79 (19 x 39)	33.3 (34 x 44)	17 (48 x 57)	10.6 (64 x 70)	7 (80 x 86)
VHO Pro	60	X2	Tungsten	3200	+/- 100K	95	1072	120	135 (19 x 39)	57 (34 x 44)	30 (48 x 57)	18.8 (64 x 70)	12.5 (80 x 86)
VHO Pro	60	X2	Daylite	6000	+/- 100K	95	1216	120	153 (19 x 39)	64 (34 x 44)	33.6 (48 x 57)	21 (64 x 70)	14.5 (80 x 86)
VHO Pro	60	X2	Hybrid	3200 ~ 6000	+/- 100K	95	1145	120	144 (19 x 39)	60.5 (34 x 44)	31.9 (48 x 57)	19.9 (64 x 70)	13.5 (80 x 86)
VHO Pro	60	X3	Tungsten	3200	+/- 100K	95	1608	120	202 (19 x 39)	86 (34 x 44)	45 (48 x 57)	28 (64 x 70)	19 (80 x 86)
VHO Pro	60	X3	Daylite	6000	+/- 100K	95	1824	120	230 (19 x 39)	96 (34 x 44)	50 (48 x 57)	32 (64 x 70)	22 (80 x 86)
VHO Pro	60	X3	Hybrid	3200 ~ 6000	+/- 100K	95	1719	120	216 (19 x 39)	91 (34 x 44)	48 (48 x 57)	30 (64 x 70)	20 (80 x 86)
VHO Pro	60	X6	Tungsten	3200	+/- 100K	95	1608‡	120	312 (15 x 22)	102 (31 x 36)	46 (46 x 49)	28.4 (62 x 67)	18.8 (75 x 81)
VHO Pro	60	X6	Daylite	6000	+/- 100K	95	1827‡	120	396 (15 x 22)	128 (31 x 36)	61 (46 x 49)	35.4 (62 x 67)	23.6 (75 x 81)
VHO Pro	60	X6	Hybrid	3200 ~ 6000	+/- 100K	95	1719‡	120	403.5 (15 x 22)	119 (31 x 36)	56 (46 x 49)	32.2 (62 x 67)	21.4 (75 x 81)

*VHO Pro - X1, X2, and X3 measurements taken using a one meter length in horizontal orientation @ 12VDC input. VHO Pro - X6 measurements taken using a single unit (0.5 m length) in horizontal orientation @ 12VDC input. • Beam spread shown in (height x width) at 50% fall off. Measurements made in a controlled environment. • *Emitters per Meter. • ‡ Total lumens per unit.*

MECHANICAL/ELECTRICAL SPECIFICATIONS FOR LITERIBBON VHO PRO 60 EPM*

Series	EPM* Density	Rows Wide	Kelvin	Width (mm)	Max. Length (mm)	Height (mm)	LED Pitch (mm)	Segments per Meter	Minimum Segment Length (mm)	LEDs per Meter	Drive Current (mA per Meter)	Power Consumption (W/Meter)
VHO Pro	60	X1	Tungsten Daylite	10	5000	1.8	16.6	20	50	60	800 (0.8A)	9.6
			Hybrid	10	5000	1.8	16.6	10	100			
VHO Pro	60	X2	Tungsten Daylite Hybrid	33.3	2500	1.8	16.6	20	50	120 (60 x 2)	1600 (1.6A)	19.2
VHO Pro	60	X3	Tungsten Daylite	50	1000	1.8	16.6	60	16.6	180 (60 x 3)	2400 (2.4A)	28.8
			Hybrid	50	1000	1.8	16.6	30	33.3			
VHO Pro	60	X6	Tungsten Daylite Hybrid	100	500	1.8	16.6	60 (30 Per Unit)	16.6	360 (60 x 6) (180 per unit)	4800 (4.8A) (2.4A per unit)	57.6 (28.8 per unit)

*Rated Life: 50,000 Hours • RoHs Compliant • Recommended for indoor use only • Operating Voltage Range: 8 ~ 13.5 (12VDC nominal) • Watts per Emitter: 0.16W • Connection Method: Solder Type • Mounting Method: Pressure-Sensitive Adhesive (See LiteGear "Ribbon Tape" for replacement.) • Operating Ambient Temp: -20 ~ +50°C (-4 ~ +122°F). • In X1 and X3 form, Hybrid products have 6 emitters per segment; Tungsten and Daylite have 3. • In X2 and X6 form, Tungsten, Daylite, and Hybrid products have 6 emitters per segment. • *Emitters per Meter.*

OPTICAL SPECIFICATIONS FOR **LITERIBBON** VHO PRO **120** EPM*

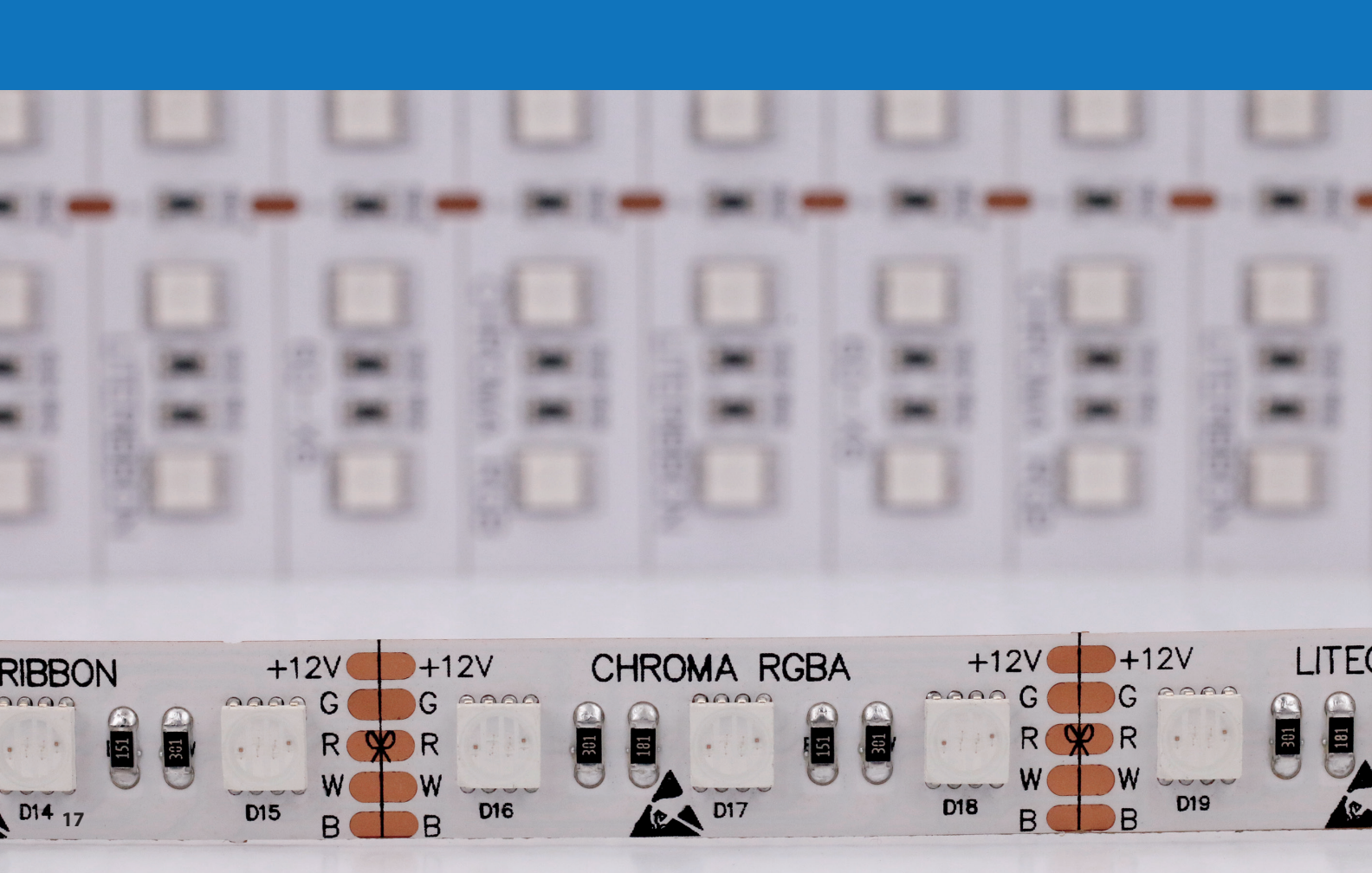
Series	EPM* Density	Rows Wide	Kelvin	CCT (K)	CCT Consistency	CRI	Lumens per Meter	Beam Angle (°)	fc @ 12 in. (Beam Spread, in.)	fc @ 24 in. (Beam Spread, in.)	fc @ 36 in. (Beam Spread, in.)	fc @ 48 in. (Beam Spread, in.)	fc @ 60 in. (Beam Spread, in.)
VHO Pro	120	X1	Tungsten	3200	+/- 100K	95	1072	120	135 (19 x 39)	57 (34 x 44)	30 (48 x 57)	18.8 (64 x 70)	12.5 (80 x 86)
VHO Pro	120	X1	Daylite	6000	+/- 100K	95	1218	120	153 (19 x 39)	64 (34 x 44)	33.6 (48 x 57)	21 (64 x 70)	14.5 (80 x 86)
VHO Pro	120	X1	Hybrid	3200 ~ 6000	+/- 100K	95	1145	120	144 (19 x 39)	60.5 (34 x 44)	31.9 (48 x 57)	19.9 (64 x 70)	13.5 (80 x 86)
VHO Pro	120	X2	Tungsten	3200	+/- 100K	95	2144	120	270 (19 x 39)	114 (34 x 44)	60 (48 x 57)	38 (64 x 70)	25 (80 x 86)
VHO Pro	120	X2	Daylite	6000	+/- 100K	95	2432	120	306 (19 x 39)	128 (34 x 44)	68 (48 x 57)	42 (64 x 70)	29 (80 x 86)
VHO Pro	120	X2	Hybrid	3200 ~ 6000	+/- 100K	95	2292	120	288 (19 x 39)	121 (34 x 44)	64 (48 x 57)	40 (64 x 70)	27 (80 x 86)
VHO Pro	120	X3	Tungsten	3200	+/- 100K	95	3216	120	405 (19 x 39)	171 (34 x 44)	90 (48 x 57)	56 (64 x 70)	38 (80 x 86)
VHO Pro	120	X3	Daylite	6000	+/- 100K	95	3648	120	459 (19 x 39)	192 (34 x 44)	100 (48 x 57)	63 (64 x 70)	43 (80 x 86)
VHO Pro	120	X3	Hybrid	3200 ~ 6000	+/- 100K	95	3438	120	432 (19 x 39)	181 (34 x 44)	96 (48 x 57)	60 (64 x 70)	40 (80 x 86)
VHO Pro	120	X6	Tungsten	3200	+/- 100K	95	1608‡	120	411 (15 x 20)	110 (30 x 33)	51 (44 x 48)	29 (60 x 62)	19.2 (75 x 78)
VHO Pro	120	X6	Daylite	6000	+/- 100K	95	1812‡	120	476 (15 x 20)	129 (30 x 33)	59 (44 x 48)	34 (60 x 62)	22.4 (75 x 78)
VHO Pro	120	X6	Hybrid	3200 ~ 6000	+/- 100K	95	1719‡	120	394 (15 x 20)	115.5 (30 x 33)	54 (44 x 48)	31.2 (60 x 62)	20.6 (75 x 78)

*VHO Pro - X1, X2, and X3 measurements taken using a one meter length in horizontal orientation @ 12VDC input. VHO Pro - X6 measurements taken using a single unit (0.25 m length) in horizontal orientation @ 12VDC input. • Beam spread shown in (height x width) at 50% fall off. Measurements made in a controlled environment. • *Emitters per Meter. • ‡ Total lumens per unit.*

MECHANICAL/ELECTRICAL SPECIFICATIONS FOR LITERIBBON VHO PRO 120 EPM*

Series	EPM* Density	Rows Wide	Kelvin	Width (mm)	Max. Length (mm)	Height (mm)	LED Pitch (mm)	Segments per Meter	Minimum Segment Length (mm)	LEDs per Meter	Drive Current (mA per Meter)	Power Consumption (W/Meter)
VHO Pro	120	X1	Tungsten Daylite	10	5000	1.8	8.3	40	25	120	1600 (1.6A)	19.2
			Hybrid	10	5000	1.8	8.3	20	50			
VHO Pro	120	X2	Tungsten Daylite Hybrid	16.6	2500	1.8	8.3	40	25	240 (120 x 2)	3200 (3.2A)	38.4
VHO Pro	120	X3	Tungsten Daylite	25	1000	1.8	8.3	120	8.3	360 (120 x 3)	4800 (4.8A)	57.6
			Hybrid	25	1000	1.8	8.3	60	16.6			
VHO Pro	120	X6	Tungsten Daylite Hybrid	50	250	1.8	8.3	120 (30 per Unit)	8.3	720 (120 x 6) (180 per unit)	9600 (9.6A) (2.4A per unit)	115.2 (28.8 per unit)

*Rated Life: 50,000 Hours • RoHs Compliant • Recommended for indoor use only • Operating Voltage Range: 8 ~ 13.5 (12VDC nominal) • Watts per Emitter: 0.16W • Connection Method: Solder Type • Mounting Method: Pressure-Sensitive Adhesive (See LiteGear "Ribbon Tape" for replacement.) • Operating Ambient Temp: -20 ~ +50°C (-4 ~ +122°F). • In X1 and X3 form, Hybrid products have 6 emitters per segment; Tungsten and Daylite have 3. • In X2 and X6 form, Tungsten, Daylite, and Hybrid products have 6 emitters per segment. • *Emitters per Meter.*


RIBBON
+12V
+12V
G
G
R
R
W
W
B
B
CHROMA RGBA
+12V
+12V
LITE
D14
17
D15
D16
D17
D18
D19
151
381
301
181

VIBRANT COLORS • BEAUTIFULLY SATURATED.

LITERIBBON CHROMA SINGLE

Chroma Single is the perfect choice when a pop of color is just what's needed. Available in X1 width (one row wide), Chroma Single is assembled with 120 emitters per meter (8 mm spacing), 10 mm wide, and available in four individual colors: Red, Green, Blue, or Amber/Yellow.

LITERIBBON CHROMA RGB

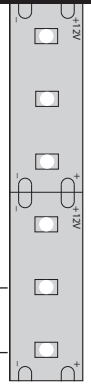
Not sure what color to choose? Then **Chroma RGB** will allow you to paint the town red ... or pink or teal. This LiteRibbon is a 3-in-1 emitter with Red, Green, and Blue on a single chip, available in two densities (60 and 72 emitters per meter), as well as two distinct widths (X1 and X6 [six rows wide]). If that's not enough color for you, then **Chroma RGBA** (Red, Green, Blue, Amber) will expand your pallet. This 4-in-1 chip is available in X1 and has 72 emitters per meter.

LITERIBBON CHROMA-CORRECT

Chroma-Correct is a proprietary LiteRibbon designed specifically for those with an eye on blending color with high-CRI white light. This custom 4-in-1 chipset is populated with RGB emitters and a color-correct Tungsten or Daylite white emitter.

LITERIBBON CHROMA SINGLE

X1



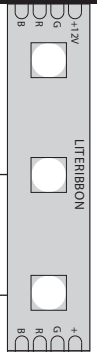
0.33 INCH PITCH
8.3 MILLIMETER PITCH

0.39 INCH WIDTH
10 MILLIMETER WIDTH
(ACTUAL SIZE)

0.25 AMPS PER FOOT
0.8 AMPS PER METER

LITERIBBON CHROMA RGB (60)

X1



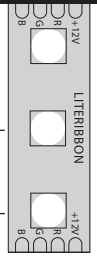
0.66 INCH PITCH
16.6 MILLIMETER PITCH

0.47 INCH WIDTH
12 MILLIMETER WIDTH
(ACTUAL SIZE)

0.37 AMPS PER FOOT
1.2 AMPS PER METER

LITERIBBON CHROMA RGB (84)

X1



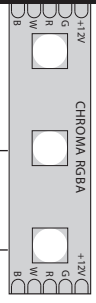
0.47 INCH PITCH
11.9 MILLIMETER PITCH

0.47 INCH WIDTH
12 MILLIMETER WIDTH
(ACTUAL SIZE)

0.5 AMPS PER FOOT
1.6 AMPS PER METER

LITERIBBON CHROMA RGBA

X1



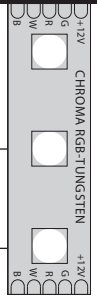
0.55 INCH PITCH
13.9 MILLIMETER PITCH

0.47 INCH WIDTH
12 MILLIMETER WIDTH
(ACTUAL SIZE)

0.58 AMPS PER FOOT
1.9 AMPS PER METER

LITERIBBON CHROMA RGB-TUN

X1



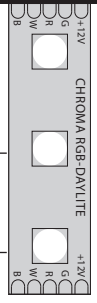
0.55 INCH PITCH
13.9 MILLIMETER PITCH

0.47 INCH WIDTH
12 MILLIMETER WIDTH
(ACTUAL SIZE)

0.58 AMPS PER FOOT
1.9 AMPS PER METER

LITERIBBON CHROMA RGB-DAY

X1



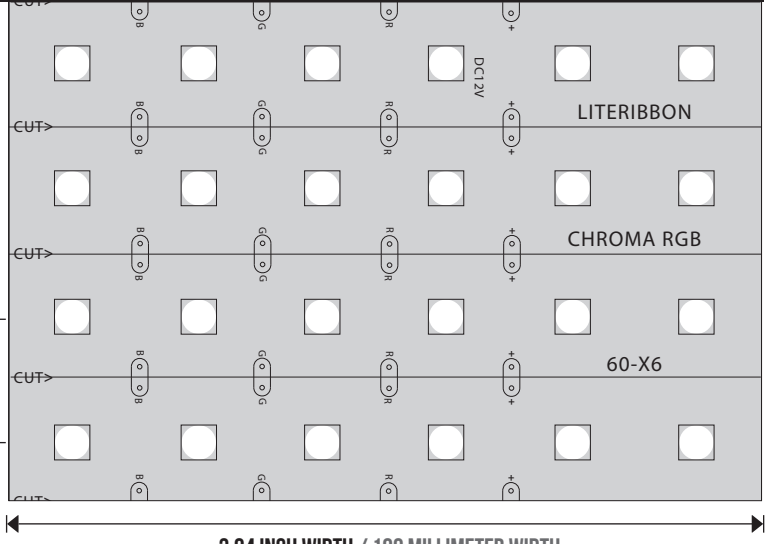
0.55 INCH PITCH
13.9 MILLIMETER PITCH

0.47 INCH WIDTH
12 MILLIMETER WIDTH
(ACTUAL SIZE)

0.58 AMPS PER FOOT
1.9 AMPS PER METER

LITERIBBON
CHROMA RGB (60)

X6



0.66 INCH PITCH
16.6 MILLIMETER PITCH

3.94 INCH WIDTH / 100 MILLIMETER WIDTH
(ACTUAL SIZE)

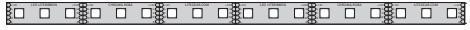
2.2 AMPS PER FOOT / 7.2 AMPS PER METER

16.4 FEET MAX. LENGTH / 5 METERS MAX. LENGTH

X1
LITERIBBON CHROMA SINGLE

X1
LITERIBBON CHROMA RGB (60)

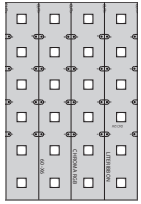
X1
LITERIBBON CHROMA RGB (84)

X1 
LITERIBBON CHROMA RGBA

X1
LITERIBBON CHROMA RGB-TUN

X1
LITERIBBON CHROMA RGB-DAY

1.64 FEET MAX. LENGTH / 0.5 METERS MAX. LENGTH

X6 
LITERIBBON CHROMA RGB (60)

OPTICAL SPECIFICATIONS FOR **LITERIBBON** CHROMA

Series	EPM* Density	Rows Wide	Color	CCT (K)	CRI	fc @ 12 in. (Beam Spread, in.)	fc @ 24 in. (Beam Spread, in.)	fc @ 36 in. (Beam Spread, in.)	fc @ 48 in. (Beam Spread, in.)	fc @ 60 in. (Beam Spread, in.)
Chroma	120	X1	Red	N/A	N/A	85.9 (37.7 x 83.7)	21.5 (75.3x 167.4)	9.6 (113.0 x 251.1)	5.4 (150.7 x 334.8)	3.4 (188.3 x 418.5)
Chroma	120	X1	Green	N/A	N/A	160.3 (41.6 x 89.6)	40.1 (83.1 x 179.1)	17.8 (124.7 x 268.7)	10.0 (166.3 x 358.3)	6.4 (207.9 x 447.9)
Chroma	120	X1	Blue	N/A	N/A	51.1 (39.2 x 89.6)	12.8 (78.3 x 179.1)	31.9 (117.5 x 268.7)	19.9 (156.7 x 358.3)	13.5 (195.8 x 447.9)
Chroma	120	X1	Amber	N/A	N/A	72.0 (39.2 x 83.7)	18.0 (78.3 x 167.4)	8.0 (117.5 x 251.1)	4.5 (156.7 x 334.8)	2.9 (195.8 x 418.5)
Chroma	60	X1	RGB	N/A	N/A	R: 97.6 (31.9 x 45.1) G: 137.0 (29.6 x 39.9) B: 30.2 (35.6 x 41.6)	R: 24.4 (63.7 x 90.3) G: 34.3 (59.3 x 79.9) B: 7.6 (71.2 x 83.1)	R: 10.8 (95.5 x 135.4) G: 15.2 (88.9 x 119.8) B: 3.4 (106.7 x 124.7)	R: 6.1 (127.4 x 180.5) G: 8.6 (118.6 x 159.8) B: 1.9 (142.3 x 166.3)	R: 3.9 (159.3 x 225.7) G: 5.5 (148.2 x 199.7) B: 1.2 (177.9 x 207.9)
Chroma	60	X6	RGB	N/A	N/A	R: 37.2 (45.1 x 83.7) G: 53.4 (43.3 x 59.4) B: 13.9 (38.4 x 104.0)	R: 9.3 (90.3 x 167.4) G: 13.4 (86.6 x 118.8) B: 5.2 (76.8 x 207.9)	R: 4.1 (135.4 x 251.1) G: 5.9 (129.9 x 178.2) B: 2.3 (115.2 x 311.9)	R: 2.3 (180.6 x 334.8) G: 3.3 (173.2 x 237.6) B: 1.3 (153.6 x 415.8)	R: 1.5 (225.7 x 418.5) G: 2.1 (216.5 x 297.0) B: 0.8 (192.0 x 519.8)
Chroma	84	X1	RGB	N/A	N/A	R: 58.1 (35.6 x 83.7) G: 95.2 (39.2 x 59.4) B: 20.9 (38.4 x 104.0)	R: 14.5 (71.2 x 167.4) G: 23.8 (78.3 x 118.8) B: 5.2 (76.8 x 207.9)	R: 6.5 (106.7 x 251.1) G: 10.6 (117.5 x 178.2) B: 2.3 (115.2 x 311.9)	R: 3.6 (142.3 x 334.8) G: 6.0 (156.7 x 237.6) B: 1.3 (153.6 x 415.8)	R: 2.3 (177.9 x 418.5) G: 3.8 (195.8 x 297.0) B: 0.8 (192.0 x 519.8)
Chroma	72	X1	RGBA	N/A	N/A	R: 58.1 (36.3 x 65.9) G: 137.0 (39.2 x 78.5) B: 32.5 (38.4 x 104.0) A: 48.8 (39.2 x 104.0)	R: 14.5 (72.5 x 131.9) G: 34.3 (78.3 x 157.0) B: 8.1 (76.8 x 207.9) A: 12.2 (78.3 x 207.9)	R: 6.5 (108.8 x 197.8) G: 15.2 (117.5 x 235.5) B: 3.6 (115.2 x 311.9) A: 5.4 (117.7 x 311.9)	R: 3.6 (145.0 x 263.8) G: 8.6 (156.7 x 314.0) B: 2.0 (153.6 x 415.8) A: 3.1 (156.7 x 415.8)	R: 2.3 (181.3 x 329.7) G: 5.5 (195.8 x 392.5) B: 1.3 (192.0 x 519.8) A: 2.0 (195.8 x 519.8)
Chroma-Correct	72	X1	RGB.TUN	3000	92	R: 55.7 (39.2 x 83.7) G: 130.1 (44.2 x 100.0) B: 30.2 (44.2 x 104.0) TUN: 130.1 (36.3 x 51.5)	R: 13.9 (78.3 x 167.4) G: 32.5 (88.4 x 199.9) B: 7.6 (88.4 x 207.9) TUN: 32.5 (72.5 x 102.9)	R: 6.2 (117.5 x 251.1) G: 14.5 (132.6 x 299.9) B: 3.4 (132.6 x 311.9) TUN: 14.5 (108.8 x 154.4)	R: 3.5 (156.7 x 334.8) G: 8.1 (176.8 x 399.9) B: 1.9 (176.8 x 415.8) TUN: 8.1 (145.0 x 205.9)	R: 2.2 (195.8 x 418.5) G: 5.2 (221.0 x 499.8) B: 1.2 (221.0 x 519.8) TUN: 5.2 (181.3 x 257.3)
Chroma-Correct	72	X1	RGB.DAY	6000	92	R: 55.7 (37.7 x 83.7) G: 127.7 (44.2 x 100.0) B: 30.2 (44.2 x 104.0) DAY: 141.7 (36.3 x 56.5)	R: 13.9 (75.3 x 167.4) G: 32.5 (88.4 x 199.9) B: 7.6 (88.4 x 207.9) DAY: 35.4 (72.5 x 113.1)	R: 6.2 (113.0 x 251.9) G: 14.5 (132.6 x 299.9) B: 3.4 (132.6 x 311.9) DAY: 15.7 (108.8 x 169.6)	R: 3.5 (150.1 x 334.8) G: 8.1 (176.8 x 399.9) B: 1.9 (176.8 x 415.8) DAY: 8.9 (145.0 x 226.2)	R: 2.2 (188.4 x 418.5) G: 5.2 (221.0 x 499.8) B: 1.2 (221.0 x 519.8) DAY: 5.7 (181.3 x 282.7)

*Chroma - X1 measurements taken using a one meter length in horizontal orientation @ 12VDC input. Chroma - X6 measurements taken using a single unit (0.5 m length) in horizontal orientation @ 12VDC input. • Beam spread shown in (height x width) at 50% fall off. Measurements made in a controlled environment. • *Emitters per Meter.*

MECHANICAL/ELECTRICAL SPECIFICATIONS FOR LITERIBBON CHROMA

Series	EPM* Density	Rows Wide	Color	Width (mm)	Max. Length (mm)	Height (mm)	LED Pitch (mm)	Segments per Meter	Minimum Segment Length (mm)	LEDs per Meter	Drive Current (mA per Meter)	Power Consumption (W/Meter)
Chroma	120	X1	Red	10	5000	1.9	8.3	40	25	120	800 (0.8A)	9.6
Chroma	120	X1	Green	10	5000	1.9	8.3	40	25	120	800 (0.8A)	9.6
Chroma	120	X1	Blue	10	5000	1.9	8.3	40	25	120	800 (0.8A)	9.6
Chroma	120	X1	Amber	10	5000	1.9	8.3	40	25	120	800 (0.8A)	9.6
Chroma	60	X1	RGB	12	5000	2	16.6	20	50	60	1200.0 (1.2A)	14.4
Chroma	60	X6	RGB	100	500	2	16.6	60 (30 per unit)	16.6	360 (60 x 6) (180 per unit)	7200 (7.2A) (3.6A per unit)	86.4 (43.2 per unit)
Chroma	84	X1	RGB	12	5000	2	11.9	28	35.7	84	1666.6 (1.6A)	20
Chroma	72	X1	RGBA	12	5000	2	13.9	24	41.6	72	1916.6 (1.9A)	23
Chroma-Correct	72	X1	RGB.TUN	12	5000	2	13.9	24	41.6	72	1916.6 (1.9A)	23
Chroma-Correct	72	X1	RGB.DAY	12	5000	2	13.9	24	41.6	72	1916.6 (1.9A)	23

*Rated Life: 50,000 Hours • RoHs Compliant • Recommended for indoor use only • Operating Voltage Range: 8 ~ 13.5 (12VDC nominal) • Watts per Emitter: Varies • Connection Method: Solder Type • Mounting Method: Pressure-Sensitive Adhesive (See LiteGear "Ribbon Tape" for replacement.) • Operating Ambient Temp: -20 ~ +50°C (-4 ~ +122°F). • In X1 form, Chroma products have 3 emitters per segment. • In X6 form, Chroma products have 6 emitters per segment. • *Emitters per Meter.*

LITEDIMMER
PRO SINGLE
LED DIMMING FOR CINEMA, TV, AND HD VIDEO
POWER CAPACITY
STD
MAX. AMPS
8
DESIGNED FOR USE WITH
LITERIBBON & LITEMAT
LITEGEAR
INFO OR HELP? LITEDIMMER.NET
LITEDIMMER
PRO SINGLE
LED DIMMING FOR CINEMA, TV, AND HD VIDEO
POWER CAPACITY
HIGH
MAX. AMPS
16
DESIGNED FOR USE WITH
LITERIBBON & LITEMAT
LITEGEAR
INFO OR HELP? LITEDIMMER.NET
LITEDIMMER
PRO HYBRID
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LITEDIMMER
PRO HYBRID
LED DIMMING FOR CINEMA, TV, AND HD VIDEO
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MAX. AMPS
16
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LITEGEAR
INFO OR HELP? LITEDIMMER.NET

LITEDIMMER™ PRO CONTROLLERS - INFINITE DIMMABILITIES

LITEDIMMER PRO SINGLE

The **LiteDimmer Pro Single** is the dimmer that started it all. Robust, flicker-free, and packed with tried-and-true features, this powerful single channel dimmer is perfect for all of your LiteRibbon needs. The LiteDimmer Pro Single was recently redesigned from the ground up to offer the most advanced performance along with rock-solid reliability. Analog potentiometers offer the tactility needed to effortlessly make adjustments during the shot, and their hideaway functionality lets you protect them while shooting or in storage. The LiteDimmer Pro Single is available in both **Standard Capacity** (8 Amps) and **High Capacity** (16 Amps) versions.

Features include: Bump, Fire, and Paparazzi Effects; Low Mode for Minimum Output; Remote Trigger Jack; Cold-Shoe Slot for Mounting; and Embedded Magnets with Rubber Bumpers.

LITEDIMMER PRO HYBRID

The **LiteDimmer Pro Hybrid** is the perfect companion for controlling our LiteRibbon and LiteMat. This latest version was designed from the ground up to offer the most advanced performance along with rock-solid reliability. Analog potentiometers offer the tactility needed to effortlessly make adjustments during the shot, and their hideaway functionality lets you protect them while shooting or in storage. The LiteDimmer Pro Hybrid is available in both **Standard Capacity** (8 Amps) and **High Capacity** (16 Amps) versions.

Features include: Bump, Fire, and Paparazzi Effects; Overdrive Mode for Maximum Output; Low Mode for Minimum Output; 2-Channel Mode for Single LiteRibbon; Remote Trigger Jack; Cold-Shoe Slot for Mounting; and Embedded Magnets with Rubber Bumpers.

TUN
DAY
100
50
0

LITEDIMMER™ MICRO CONTROLLERS - DIMMABILITIES ON A BUDGET

LITEDIMMER MICRO SINGLE

The **LiteDimmer Micro Single** is a flicker-free, entry-level handheld LED dimmer. As the smallest member of the LiteDimmer family, it is perfect for situations requiring small amounts of LiteRibbon, a small LiteMat, or simply for those on a budget. The Micro series is lightweight and travel-friendly and offers a simple yet powerful approach to controlling brightness. The LiteDimmer Micro Single is available in a **Low Capacity** (4 Amps) version.

Features include: "Aaaaand Action!" Cueing; and Embedded Magnets.

LITEDIMMER MICRO HYBRID

The **LiteDimmer Micro Hybrid** is a flicker-free, entry-level, handheld LED Hybrid dimmer. As the most basic of LiteGear's Hybrid LiteDimmers, it is lightweight and travel-friendly, making it perfect for situations requiring small amounts of Hybrid LiteRibbon, a small LiteMat, or simply for those on a budget. Its simple yet powerful approach to controlling color temperature and brightness maintains LiteGear's standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals. The LiteDimmer Micro Hybrid is available in a **Low Capacity** (4 Amps) version.

Features include: Overdrive Mode; Aaaaand Action!" Cueing; and Embedded Magnets.

LITEDIMMER MICRO SINGLE EFX

The **LiteDimmer Micro Single EFX** is a handheld LED special effects dimmer. As the smallest members of the LiteDimmer family, the Micro EFX dimmers are available in both Fire and Paparazzi variations. These dimmers are designed to create realistic fire effects or paparazzi-style flash effects with small amounts of LiteRibbon or LiteMats. The Micro EFX series is lightweight and travel-friendly and offers a simple yet powerful approach to generating lighting effects on a budget. The LiteDimmer Micro Single EFX is available in a **Low Capacity** (4 Amps) version.

Features include: LiteEFX Software; and Embedded Magnets.

LITEGEAR®

LiteGear, Inc. +1 (818) 358-8542 www.litegear.com