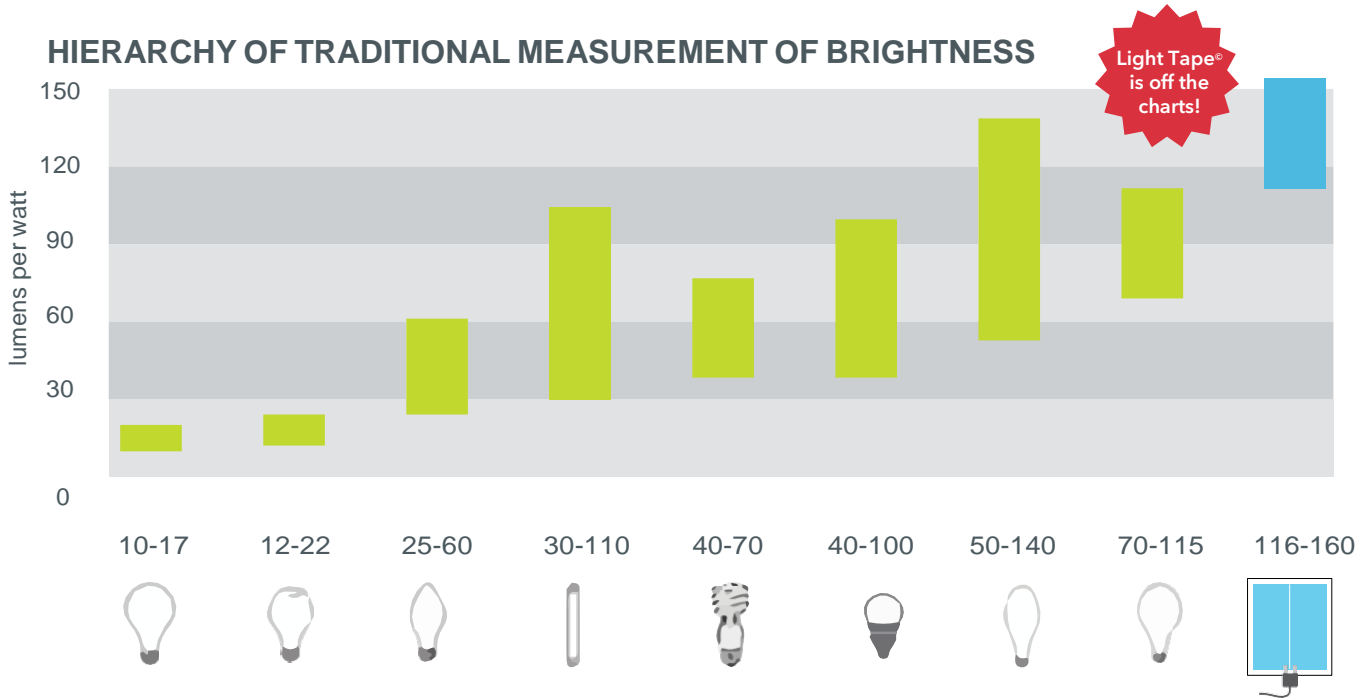


# Energy Consumption

Light Tape® is an incredibly efficient flat accent light, with an evenly illuminated surface. Other light sources, like LEDs, directionally emit light with a great deal of the desired light either wasted or diffused in order to accomplish even illumination. When comparing the surface brightness of an accent light, there is nothing more efficient than Light Tape®.



## LIGHT TAPE VS. LED ENERGY CONSUMPTION BY AREA

	ACCENT LIGHTING				BACK LIGHTING	
	LIGHT TAPE	LEDS	LIGHT TAPE	LEDS	LIGHT TAPE	LEDS
ILLUMINATED WIDTH	2.54 cm	0.8 cm	1.27 cm	0.8 cm	100% backlit	edge lit
AREA/LENGTH	1 linear meter	1 linear meter	1 linear meter	1 linear meter	square meter	square meter
ILLUMINATION SOURCE	100% phosphors	30 LEDs	100% phosphors	60 LEDs	100% phosphors	240 LEDs
CURRENT - AMPS	0.01	3	0.005	6	0.5	24
TOTAL WATTS	1	7.2	0.5	14.4	44	57.6
ILLUMINATION COVERAGE	100% even	2 cm gaps	100% even	1 cm gaps	100% even	30% dimmer in center

\*Light Tape® data based on full brightness, consumption results can be much lower when dimming.

## LIGHT TAPE POWER CONSUMPTION BY SURFACE AREA

BRIGHTNESS	A	B	C	D
	W/in <sup>2</sup>	mA/in <sup>2</sup>	W/cm <sup>2</sup>	mA/cm <sup>2</sup>
HIGH	0.028	0.342	0.0043	0.0530
AVERAGE	0.016	0.191	0.0025	0.0296
LOW	0.011	0.133	0.0017	0.020

Light Tape® consumes power in a linear fashion. With every increase in area there is an equal increase in energy required to illuminate. Multiply the illuminated surface area by the multiples to get total watts and amps.

Total Watts = (A or C) x surface area  
Total Amps = (B or D) x surface area