



LED FLEX RIBBON

AI1-RGB-P



Astera's powerful LED Flex Ribbon is unlike any other LED stripe. Not only is it several times brighter than normal LED stripes, but it also features a UV resistant silicone coating that makes it absolutely waterproof and keeps it flexible and protected for many years. Astera only uses ultra-bright Cree LEDs and tests each LED ribbon individually before distribution. In addition to the usual RGB chips, Astera offers a version with RGB+ white LEDs for better color distribution, higher brightness and lower power consumption for improved battery life when used with Astera's wireless battery pack.

TECHNICAL SPECIFICATION

Light source:	Ultra-bright Cree LED chips
LEDs per meter:	60 RGB (additional 60 white LED chips optionally)
Viewing angle:	120 degree
Operation Voltage:	3 versions available: 12V, 24V, 48V
Electrical current:	25mA
Power consumption (max):	20W/m
Luminous Flux (max):	AI1-RGB version: 510lm/m; AI1-RGBW version: 930lm/m
Coating Material:	Silicone coating (heat sensitive, long lasting flexibility, stays transparent)
Waterproof:	IP68 (submersible)
Max temp at PCB points:	60°C
Humidity:	0 – 100 %
Length per reel:	3m
Weight:	240g; 0.53lb (1 reel)
Dimensions:	H5mm x W13mm x L3000mm; H0.2" x W0.5" x L118" (1 reel)
Cut points:	12V: every 50mm; 24V: every 100mm; 48V: every 200mm

COMPATIBLE CONTROLLERS



AC1



AC2