



## PIXEL RIBBON

AI1-P



The Pixel Ribbon has a number of individually controllable pixels and can be addressed by DMX or the Astera250 protocol.

Astera offers a complete range of powerful LED Flex Pixel Ribbon with many options and customizations. Versions with powerful Cree LEDs and additional white Cree LEDs so that the Pixel Ribbons are several times brighter than conventional LED stripes. For outdoor usage, Astera has developed a UV resistant silicone coating that makes it absolutely waterproof and keeps it flexible and protected for many years.

### SPECIFICATION

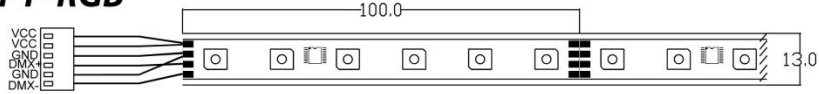
	AI1-P-RGB	AI1-P-RGBW	AI1-P-RGBW-C3W	AI12-P-RGB	AI12-P-RGBW
Voltage	24V	16.5V	16.5V	16.5V	16.5V
Current per meter	600mA/M	636mA/M	1270mA/M	1800mA/M	1150mA/M
Power Consumption	14.5W/m	10.5W/m	20.8W/m	30W/m	19W/m
LEDs	RGB	RGBW	RGBW	RGB	RGBW
Number of LED Rows	Single row	Single row	Single row	Double row	Double row
Firmware code	FPS1	FPS4	FPS4	FPS12	FPS13
IC Type	MBI6030	MY9221	MY9221	MY9221	MY9221
Pixel Pitch	10cm	12.5cm	12.5cm	3.33cm	6.1cm
Pixel per meter	10pixels/M	8pixels/M	8pixels/M	30pixels/M	16pixels/M
Lumen per meter (@20mA)	510lm/m			1145lm/m	550lm/m
Max length of 1 ribbon	8m	6.5m	6.5m	3.07m	4.83m

Viewing Angle	120 degree
IP rating	2 versions available: IP20 and IP67 with UV resistant Silicone Coating
Ambient Temperature	40°C

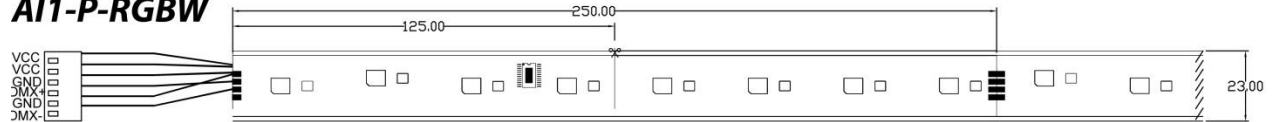


## CUTPOINTS AND SEGMENTS (sizes given for waterproof silicone strips)

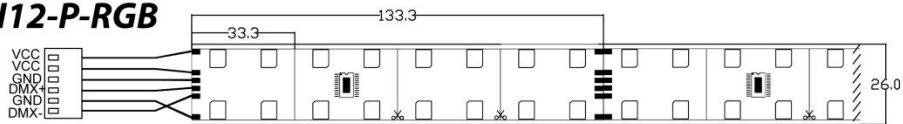
### AI1-P-RGB



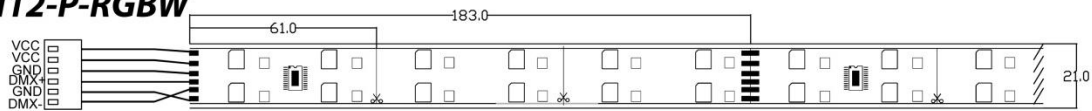
### AI1-P-RGBW



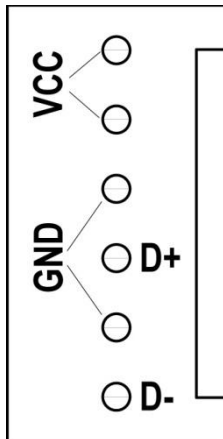
### AI12-P-RGB



### AI12-P-RGBW



## PIN LAYOUT



## AVAILABLE DRIVERS



AC0-PX



AC1-PX



## ORDERING INFORMATION

# AI1-X-X-X-X-X

X	Plain ribbon
3M	Backside with self-sticking 3M tape

IP20	Indoor version
IP67	ribbon is sealed with UV-resistant silicone

X	Standard LEDs
C	Cree LEDs
C3W	Cree with extra white LEDs

RGB	red, green, blue LEDs
RGBW	red, green, blue, white LEDs

P	pixel controllable
P2	2 rows of controllable pixels