DRIVER OUTPUT LIMITATIONS

There is a limitation to how many pixels can be controlled by each driver unit, which in turn determines the maximum number of lighting fixtures that can be controlled by a single output or driver.

PIXEL BAR SERIES

MODEL	TOTAL PIXELS	TOTAL CONTROL CHAN.	KLINGNET / ARTNET / sACN MAX PIXELS PER DRIVER = 1020	
			MAX FIXTURES per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
Pixel Bar 30IP	30	90	34	1020
Pixel Bar 60IP	60	180	17	1020
Pixel Bar 120IP	120	360	8	960

LED TAPE

MODEL	TOTAL PIXELS	TOTAL CONTROL CHAN.	KLINGNET / ARTNET / sACN MAX PIXELS PER DRIVER = 850	
			MAX FIXTURES per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
LED Tape	170	510	3	510

PIXEL WASH 40IP

MODE	PIXEL AMP 200 QTY	TOTAL CONTROL PIECES	TOTAL CONTROL CHANNELS
Hi Power Mode ON	0	5	20
	1	10	40
	2	15	60
	3	20	80
	4	25	100
Hi Power Mode OFF	0	8	32
	1	16	64
	2	24	96
	3	32	128
	4	40	160

The values listed in the table above for number of fixtures per driver unit are representative of the maximum number of Pixel Bar IP fixtures that can be connected if the Pixel Bar IP fixtures used are all of the same model type, with individual pixel control.

For example, if you connect only Pixel Bar 120IPs to the driver, and operate the driver in Kling-Net mode, you can connect up to 8 units of that model type to each driver. This is defined by the fact that each driver can handle a maximum of 1020 pixels, and each Pixel Bar 120IP fixture is made up of 120 pixels. Therefore, you have 8 Pixel Bar 120IP units x 120 pixels per unit, which gives a total of 960 pixels in use. This is as close as we can get to the 1020-pixel maximum capacity without exceeding that limit.

It is possible to mix and match Pixel Bar IP model types that are attached to a single driver port. In this case, the important thing to keep in mind is the maximum number of pixels per driver. As long as this value is not exceeded, any combination of devices may be used.