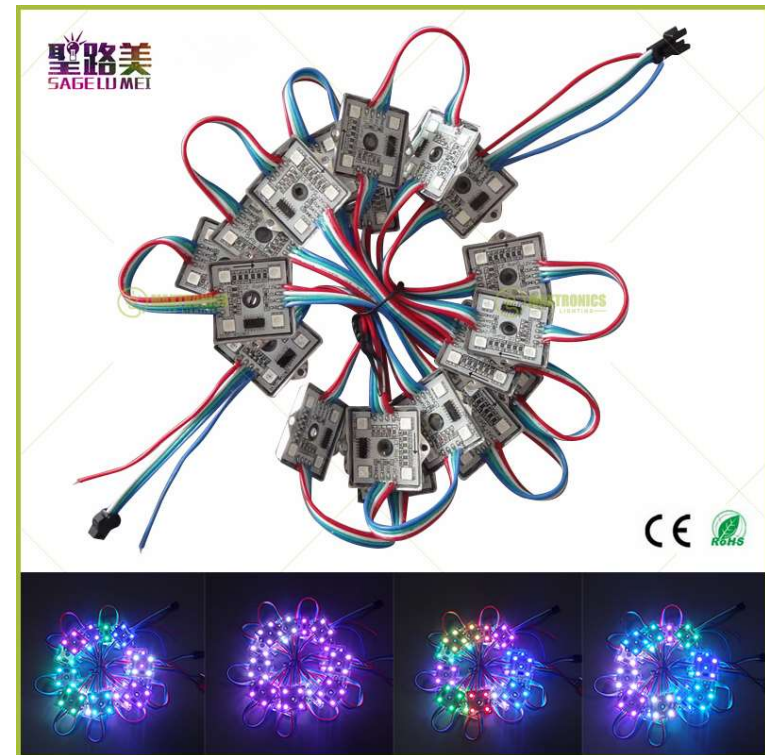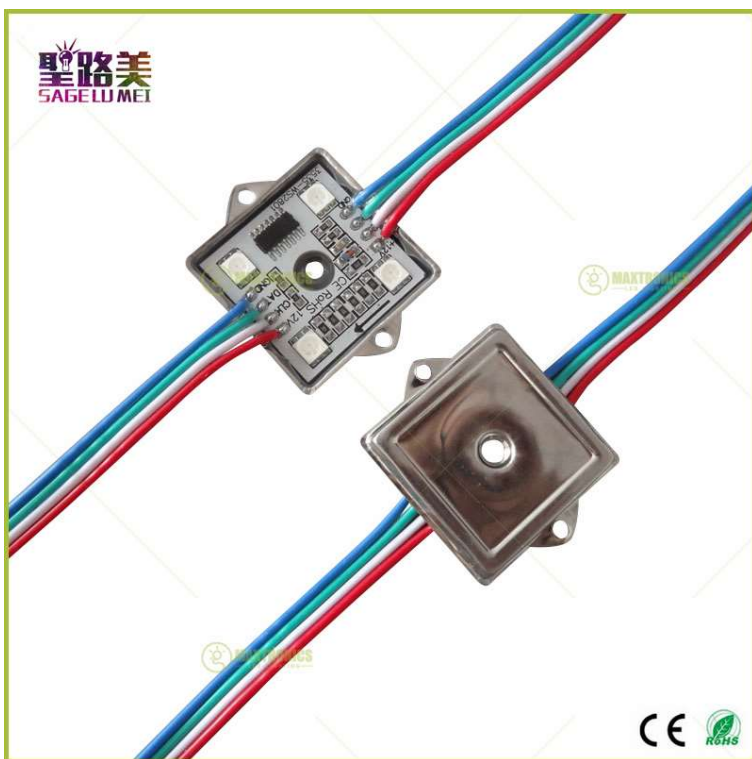# LED Modules for Pentaphilia

Background

- WS2811 or WS2801 addressable modules.
- Modules come in 20 modules/string.
- Strings can be customized for wiring length.
- Strings have male and female terminators suitable for serial chaining.
- Electronics are potted, waterproof and dust-proof.
- Module casing has centered screw-down point.

Shots

Cost information

- $0.65/module * 20 module/string= $13/string
  - 1 string/P = **$26/DP = $3250**
  - 1 string/DP = **$13/DP = $1625**

- *Editorial from Mike:*
  - *This is an extremely efficient way light, control, wire, power supply a DP for < $30.*

- S&H: $2/string
  - 1 string/P = $250
  - 1 string/DP = $500

Allen Shi: Hello Michael,

ws2801 4leds pixel module light custom wire lengths: 50cm between each module, 200cm at the beginning and end of each string, snap-together connectors at each end, extra wires for GND and +12VDC.
250 strings with 20 pieces per string. we can give you the best price 0.65usd/pcs.(custom made price)
250strings total 250*20=5000pcs, 5000pcs total 0.65*5000=3250usd.
Shipping cost to USA by FedEx total 481.50usd
so total 3250+481.50=3731.50usd.
delivery time: one week.
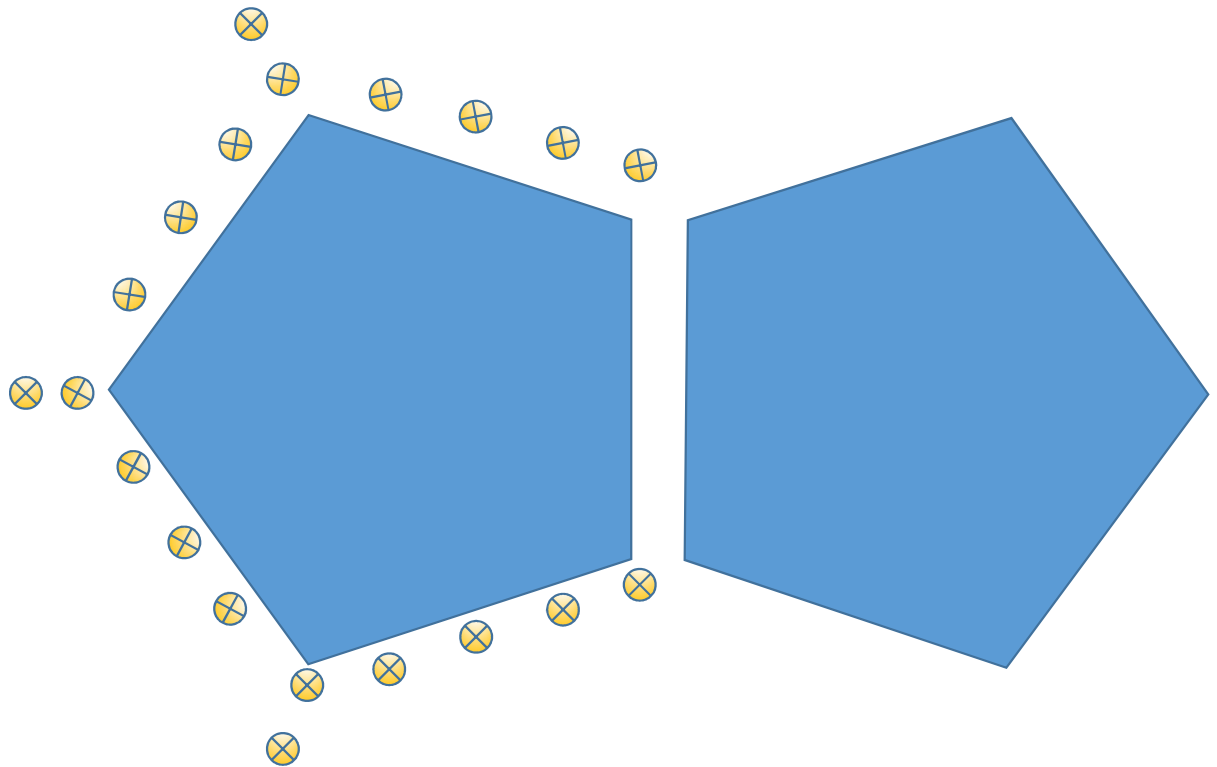
Hope to get your reply soon!

Thanks & BR,

Allen

Option #1: dense lighting per DP, one sided

- lights are installed every 1.5'
- Extra three lights per string are directed in the plane of the DP, providing "outboard" lighting.
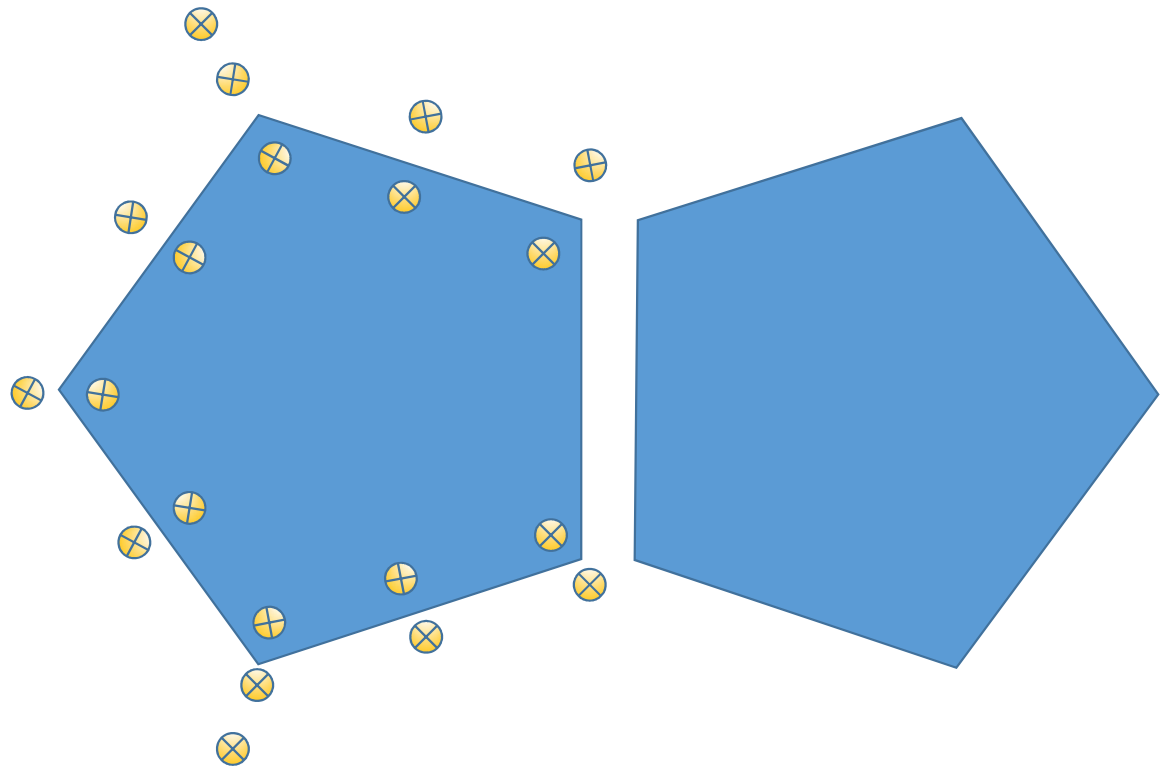
Price: $3250

Option #2: sparse lighting per DP, two sided

- lights are installed every 3'
- string wraps around to the other side of the pentagon and continues
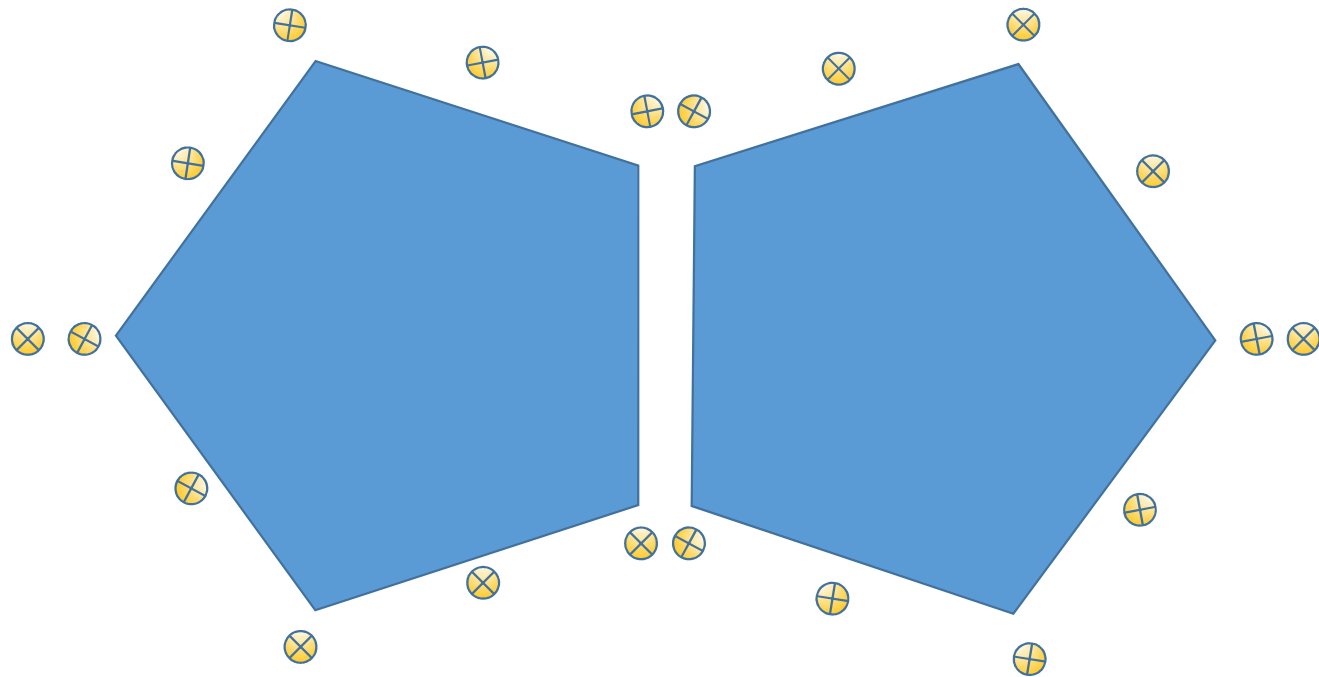- Extra two lights per string are directed in the plane of the DP, providing "outboard" lighting.

Price: $3250

Option #3: sparse lighting per DP, one sided

- lights are installed every 3'
- Extra two lights per string are directed in the plane of the DP, providing "outboard" lighting.

Price: $1625

Details

- At wiring installation, need to be very careful to make "outboard" lights symmetric

- At site installation, need to face the DPs the same direction.

- Nice "outboard" light, illuminating the environment. Could re-task these to the faces where the DP's meet to show off the "spine"