XW-DS

Selection LED

The X-Wave Selection LED technology allows you to divide a Pixel LED strip into multiple segments and control each of those segments individually. A great in-store example ia the implementation of a selection-guide onto a retail shelf; A video plays, explaining the unique features of a group of products on the shelf. Meanwhile the LED segments in front of the products that fall within that category light up, indicating the right choice for the shopper. Next to passive information provision, the shopper can enter filter parameters via touchscreen or button input, making the connection with the right product on display. By creating a similar journey as found in online shops, the shopper will be able to select the best product for them.

The X-Wave DS is an interface for controlling flexible Pixel LED strips with the Selection LED protocol.

Features
• Selection LED interface for Pixel LED strips
• Controls Pixel LED strips from 1 to 120 LEDs
• Compatible with any Nexmosphere Pixel LED strip

X-talk
The Selection LED interface can easily be connected to any of the Nexmosphere Xperience controllers using the X-talk interface. All settings of the X-Wave interface are programmable on the Xperience controller, enabling a seamless integration in your application.
• Plug and smile interface
• Compatible with any Nexmosphere Xperience controller
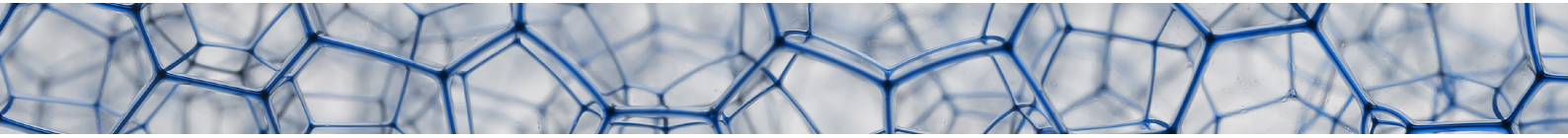• Powered by and programmable with Nexmosphere Xperience controller

Selection LED
The X-Wave Selection LED technology allows the user to divide a Pixel LED strip into multiple segments and control each of those segments separately.
• Create custom LED colors
• Virtually divide the Pixel LED strip into multiple LED segments (26 max), of 1-15 LEDs each
• Define the color, intensity and ramp time for the ON and OFF state
• Control which LED segment should be set in the ON or OFF state in a flexible and efficient way

Benefits
• Unique cable connection (bottom feed or side feed) enables invisible cable installation
• Securely mounts on any flat surface, horizontal, vertical or angled
• Suitable for edge lighting of acrylic materials
• Easy way to get multiple color LED lights integrated into your design without the cable connection issues of installing multiple LED strips or RGB LED strips.
• Instead of having to install a separate LED strip for each shelf segment, only one Pixel LED strip needs to be installed, saving installation time and costs.
• In case the connected Pixel LED strip requires more than 450mA, additional power supply wiring can be added onto the Pixel LED strip*.

XW-DS

Thermal specifications
Operating temperature: +10'C...+40'C/ +50'F ... +104'F
Storage temperature: -20'C...+50'C/ -4'F ... +122'F

Electrical specifications
Operating voltage: 5V DC (via X-talk interface)
Power consumption: 50mA
Max LED output current: 450mA

In case the connected Pixel LED strip requires more then 450mA, additional power supply wiring can be added to the Pixel LED strip*.

Power supply wiring (product ID CA-LxBM) is assembled onto the Pixel LED strip by Nexmosphere.

Miscellaneous
• Three cable lengths available (60/120/180cm)
• Both horizontal and vertical mounting possible
• 1 year warranty (optional 3 year extended warranty available)

Packaging
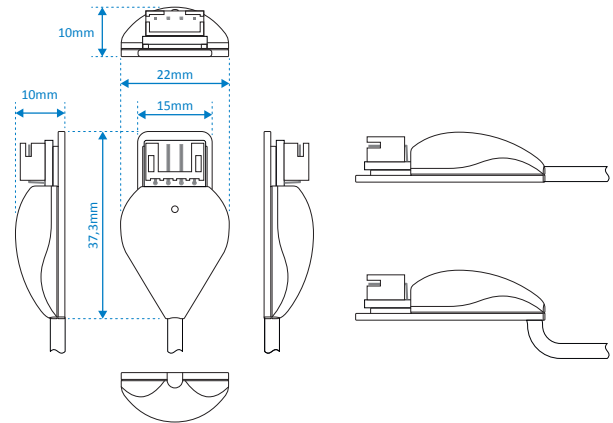Items per carton   1, 10 or 50 pcs

Mechanical dimensions
LxWxH: 37,3 x 22 x 10 mm
Fixation: Double sided adhesive tape

Standards and Certifications

CE   MET c us UL 60950-1 E114403 CSA 22.2 No. 60950-1   RoHS compliant

Ordering information

Product ID	Description	Quantity
XW-DS4	X-Wave, Selection LED control, 60cm cable	1 pc
XW-DS5	X-Wave, Selection LED control, 120cm cable	1 pc
XW-DS6	X-Wave, Selection LED control, 180cm cable	1 pc