

**xicato**<sup>®</sup>

PRODUCT CATALOG

Xicato designs and develops light sources and electronics that enable architects, designers, facilities managers, and building owners to create beautiful, connected, smart spaces. Xicato's light sources have set the standard for quality of light and are installed in thousands of locations around the world – they are the go-to option when people care about the quality of light. Xicato's Bluetooth lighting controls are installed in a wide range of locations and are integrated with a range of luminaires and building management systems. Today they are delivering cost savings from installation through operation, and providing scene-setting capabilities that are second to none.







## SMART CONTROLS

Smart lighting controls support more productive, comfortable, and safe environments. They also provide cost savings in the form of lower energy, maintenance and repair costs.

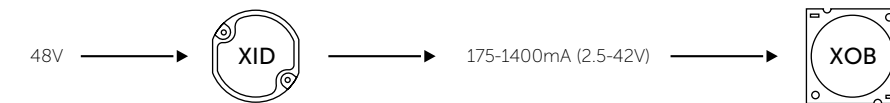
Xicato Bluetooth mesh lighting controls provide superior control flexibility and detailed operational monitoring, while reducing the implementation and maintenance costs at any site. Tens of thousands of nodes can share a single, highly secure network, and there can be tens of thousands of networks.

## XICATO LOW-VOLTAGE DRIVERS

Xicato Intelligent Drivers (XID) are low voltage, dimming drivers with 48V DC input and programmable constant current output.

XID features:

- Forward voltages of 2.5 to 45V
- Programmable current output from 175mA to 1400mA
- Smooth, flicker-free dimming to 0.1%.
- Over-the-air (OTA) programmability



### XID

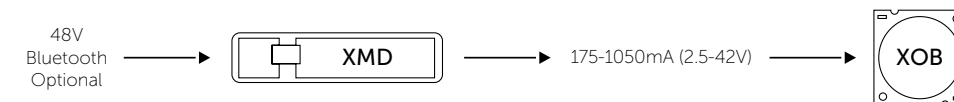
Part Number	Description
XID01-13C1D6P03-A3A	Xicato Intelligent Driver, 13W, 1ch, 9-48V DC input, 175-350mA, with 0-10V control. Wire harnesses not included.
XID01-25C1D6P07-A3A	Xicato Intelligent Driver, 25W, 1ch, 9-48V DC input, 350-700mA, with 0-10V control. Wire harnesses not included.
XID01-50C1D6P14-A3A	Xicato Intelligent Driver, 50W, 1ch, 9-48V DC input, 700-1400mA, with 0-10V control. Wire harnesses not included.
XID01-13C1D6P03-A6A	Xicato Intelligent Driver, 13W, 1ch, 9-48V DC input, programmable, 175-350mA, with BLE and 0-10V control. Wire harnesses not included.
XID01-25C1D6P7-A6A	Xicato Intelligent Driver, 25W, 1ch, 9-48V DC input, programmable, 350-700mA, with BLE and 0-10V control. Wire harnesses not included.
XID01-50C1D6P14-A6A	Xicato Intelligent Driver, 50W, 1ch, 9-48V DC input, programmable, 700-1400mA, with BLE and 0-10V control. Wire harnesses not included.
XSA-332	Wire harness for XID01 3-pin input, TE 2058932-2 with 158.75mm wires
XSA-333	Wire harness for XID01 4-pin output, TE 2058943-3 with 158.75mm wires

## XICATO LOW-VOLTAGE DRIVERS

Xicato Miniature Drivers (XMD) are low voltage, dimming drivers that measure 12.5mm x 77mm x 6mm— about the size of a stick of chewing gum!

XMD features:

- 48V DC input and programmable constant current output
- Smooth, flicker-free dimming to 0.1%.
- Supports for a 100k Ohm POT for trim control
- Over-the-air (OTA) programmability



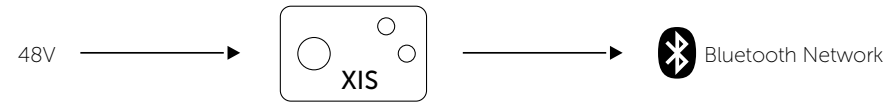
### XMD

Part Number	Description
XMD01-15C1D4P03-A1A	PCBA, Xicato Miniature Driver, 15W, 48Vdc, programmable 175-350mA, control connector
XMD01-30C1D4P07-A1A	PCBA, Xicato Miniature Driver, 30W, 48Vdc, programmable 350-700mA, control connector
XMD01-45C1D4P10-A1A	PCBA, Xicato Miniature Driver, 45W, 48Vdc, programmable 525-1050mA, control connector
XMD01-15C1D4P03-A4A	PCBA, Xicato Miniature Driver, 15W, 48Vdc, programmable 175-350mA, Bluetooth
XMD01-30C1D4P07-A4A	PCBA, Xicato Miniature Driver, 30W, 48Vdc, programmable 350-700mA, Bluetooth
XMD01-45C1D4P10-A4A	PCBA, Xicato Miniature Driver, 45W, 48Vdc, programmable 525-1050mA, Bluetooth
XCC-B8-01	PCBA, Xicato Control Card, Bluetooth, 8.0 dBm
XSA-337	Ribbon cable, FFC 0.50mm, 10 conductor, 65mm, Molex 0152660603

## XICATO BLUETOOTH SENSORS

Xicato intelligent sensors (XIS) are low-voltage, low-power, Bluetooth-enabled sensors that provide data for lighting and environmental controls, including:

- Passive infrared (PIR) motion sensing in standard (3m) or long reach (10m)
- Light level (lux)
- Temperature and humidity



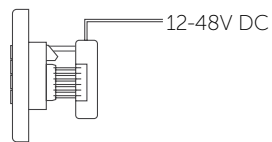
### XIS

Part Number	Description
XIS03-D5M1LTH-BH	PCBA, integrated sensor, 12-48V, 1xPIR standard reach, lux, temp, humidity, Bluetooth.
XIS03-D5M3LTH-BH	PCBA, integrated sensor, 12-48V, 1xPIR long reach, lux, temp, humidity, Bluetooth.
XIS-BK1-D5M1LTH-BH	Xicato Intelligent Sensor, black, 12-48V, 1xPIR standard reach, lux, temp, humidity, Bluetooth.
XIS-BK1-D5M3LTH-BH	Xicato Intelligent Sensor, black, 12-48V, 1xPIR long reach, lux, temp, humidity, Bluetooth.
XIS-WT1-D5M1LTH-BH	Xicato Intelligent Sensor, white, 12-48V, 1xPIR standard reach, lux, temp, humidity, Bluetooth.
XIS-WT1-D5M3LTH-BH	Xicato Intelligent Sensor, white, 12-48V, 1xPIR long reach, lux, temp, humidity, Bluetooth.
XIS02-BUNDLE1	PCBA, spider sensor bundle: sensor body, 1x PIR, 2x lux (wires not included)

## XICATO BLUETOOTH SWITCH COMPONENTS

Xicato switch adapters (XSW) are small low-voltage (12-48V DC input) components that convert standard push-button or 0-10V dimming switches into powerful Bluetooth node controllers.

- 0-10V on/off+slider switches
- Low voltage momentary contact switches of up to 8 buttons
- On/off/dim, group, or scene commands to one or more nodes.



### XSW

Part Number	Description
XSW-DIM-01-BK1	Xswitch 0-10V, 1 circuit, in black plastic housing
XSW-LVC-4A-BK1	Xswitch low voltage contact 4 button, common anode in black plastic housing
XSW-LVC-4C-BK1	Xswitch low voltage contact 4 button, common cathode in black plastic housing
XSW-LVC-8A-BK1	Xswitch low voltage contact 8 button, common anode in black plastic housing
XSW-LVC-8C-BK1	Xswitch low voltage contact 8 button, common cathode in black plastic housing

## XICATO INTELLIGENT MODULES WITH BLUETOOTH (GEN4)

XIM are compact, DC-powered lighting modules that integrate:

- A Xicato light source, available in a wide variety of SPD/color rendering, CCT, LES, and light output options
- An industry-leading, deep-dimming driver that provides smooth, flicker-free dimming to 0.1%.
- Wired and Bluetooth lighting control.

XIM delivers the highest quality, longest-last light with a guaranteed 1x2 SDCM initial color consistency and a verifiable 7-year or 50,000-hour, B0 warranty on L70 lumen maintenance, 3 SDCM color maintenance, and electronics!



## XICATO INTELLIGENT GATEWAYS

Available in black or white, Xicato Intelligent Gateways (XIG) provide wired or wireless IP access to the Bluetooth network.

- Extends the Bluetooth network to any distance or any number of sites
- Provides remote access for programming, monitoring and control of large buildings, campuses, or enterprises
- Free open-source software (FOSS), secure HTTP interface API allows Bluetooth nodes to be monitored, configured and controlled by any 3rd party lighting control and/or building management system



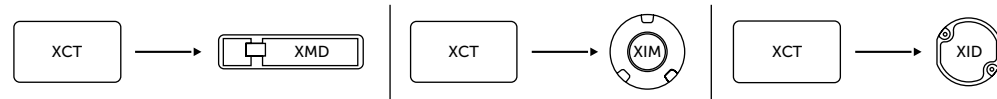
### XSW

Part Number	Description
XIG-0102-BK1	Xicato Intelligent Gateway, IP/Ethernet or IP/Wifi to BLE, PoE, black
XIG-0102-WT1	Xicato Intelligent Gateway, IP/Ethernet or IP/Wifi to BLE, PoE, white
XIG-0102-BK2	Xicato Intelligent Gateway, IP/Ethernet or IP/Wifi to BLE, PoE or 5V, black, open ports
XIG-0102-WT2	Xicato Intelligent Gateway, IP/Ethernet or IP/Wifi to BLE, PoE or 5V, white, open ports
XSA-241	Microsemi PD-3501G PoE injector for XIG-0102. (Required IEC320 C13 power cord not included)

## XICATO CONFIGURATION TOOL

The Xicato Configuration Tool is a system of custom hardware and Xicato software that allows luminaire manufacturers to customize Xicato intelligent modules and drivers

- Program drive current and lumen output to match LED, heatsink, environmental, or lighting design requirements
- Digitally brand and label products with OEM name, serial number, and more
- Simplify product installation and provisioning
- Minimize driver inventory

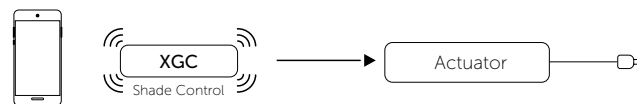
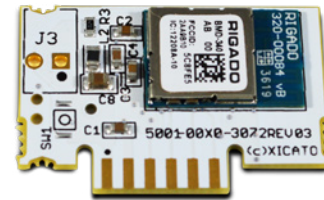


### XCT

Part Number	Description
XCT-0101	Xicato configuration tool with power supply unit and XIM wiring harness
XSA-332	XCT wiring harness for XID programming, 3-wire

## XICATO CONTROL CARDS

XGCs are simple PCBAs with pre-loaded base firmware that allows device manufacturers to add Xicato Bluetooth control to drivers and control actuators. Provide native Bluetooth control or translation to 0-10V and DALI driver control, multi-channel constant voltage dimmer control, trailing-edge/phase-cut dimming control, shade control, pan-tilt mechanism control, LensVector® beam control, and more.



### XGC

Part Number	Description
XGC-LCI-U3	Xicato GalaXi Card, Load Control Interface, Universal PWM or UART
XGC-LCI-KIT	Starter Kit for XGC-LCI-U3
XGC-B8-LCI-01	Xicato GalaXi Card, Bluetooth 8.0 dBm, Universal Load Control Interface
XGC-B8-LCI-KIT	Starter Kit for XGC-B8-LCI-01
XGC-RD-001	Xicato Control Card Reference Design
XSA-337	Ribbon cable, FFC 0.50mm, 10 conductor, 65mm, Molex 0152660603

## XICATO FIRMWARE

For manufacturers that have already embedded the Nordic nRF52840 chip into their devices, Xicato offers volume-based licenses, and a delivery system that enables flexible configuration and accounting of firmware loads. XFW has all of the capabilities preloaded into the XGC.

### XFW

Part Number	Description
XFW-TAF-001	Xicato Firmware Technology Access Fee
XFW-FDS-001	Xicato Firmware Delivery System – security dongle
XFW-FDS-002	SEGGER Flasher ARM kit
XFW-U3A-001	Xicato Firmware, U3 Actuator UART for nRF52840, 1000 units
XFW-U3A-005	Xicato Firmware, U3 Actuator UART for nRF52840, 5000 units
XFW-U3A-010	Xicato Firmware, U3 Actuator UART for nRF52840, 10000 units
XFW-U3A-020	Xicato Firmware, U3 Actuator UART for nRF52840, 20000 units
XFW-U3A-050	Xicato Firmware, U3 Actuator UART for nRF52840, 50000 units
XFW-U3A-100	Xicato Firmware, U3 Actuator UART for nRF52840, 100000 units
XFW-U3A-UY1	Xicato Firmware, U3 Actuator UART for nRF52840, 1YR Unlimited
XFW-U3A-UY2	Xicato Firmware, U3 Actuator UART for nRF52840, 2YR Unlimited
XFW-U3A-UY3	Xicato Firmware, U3 Actuator UART for nRF52840, 3YR Unlimited
XFW-AMP-001	Xicato Firmware Annual Maintenance Plan



## XICATO CONTROL PANEL SOFTWARE

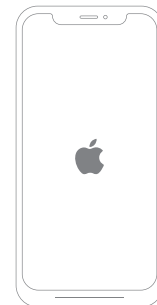
XCP is a powerful professional tool that provides complete access to all of the features of Xicato Bluetooth nodes, including provisioning, configuration, control, and monitoring. XCP runs on Windows (7 or higher) or macOS computers (Sierra or higher), and requires the installation of the BlueGiga BLED112 BLE-USB dongle, available from many distributors.

Xicato Control Panel software is available free of charge as a download from Xicato. To get access to Xicato Control Panel, send an email with your first name, last name, title, and company to [download@xicato.com](mailto:download@xicato.com).



## XICATO iOS APPLICATION

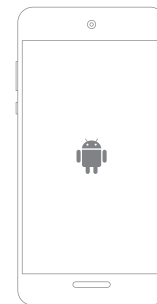
The Xicato App allows end users to easily control Xicato Bluetooth nodes from their Apple iOS devices. The Xicato App is available as a free-of-charge download from the Apple iTunes App Store.



## XICATO FOR ANDROID

Xtouch turns an Android smartphone or tablet into an intelligent, touch-panel switch capable of commanding intensity levels or scenes from one or more Bluetooth nodes. Xtouch communicates over Wifi to the Xicato Intelligent Gateway (XIG), which translates the command for broadcast into the Bluetooth network.

Xtouch is available as a free of charge download from the Google Play application store.



## LIGHTING SOURCES

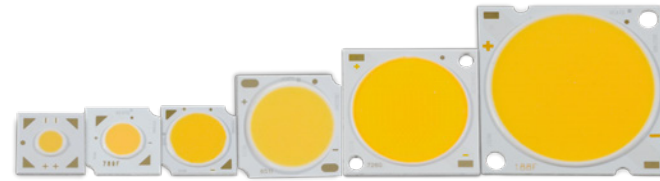
For over a decade, Xicato has engineered and developed the industry's most reliable LED modules that lighting designers recognize as the highest quality light available. Our patented spectral options, Artist, Beauty, Designer, Standard, and Vibrant, are unmatched for their color rendering, color maintenance, dimming performance and reliability.

## XICATO XOB MODULES®

XOB provides the best color rendering, unmatched color uniformity and the greatest reliability of any LED array on the market.

- The best color matching—within 1 x 2 MacAdam Ellipses
- CCT range from 2700K to 4000K
- Available now in 6mm, 9.8mm, and 14.5mm LES packages
- Light output at full intensity: 6mm LES 750-975lm, 9.8mm LES 1275-1625lm, 14.5mm LES 3650-4750lm

See [Xicato.com](http://Xicato.com) for complete portfolio.



### XOB

Part Number	Series	LES	CCT	CRI Typ
XOB06952710X3321	Xicato	6	2700	98
XOB06953010X3321	Xicato	6	3000	98
XOB06953510X3321	Xicato	6	3500	98
XOB06954010X3321	Xicato	6	4000	98
XOB09952715X3621	Xicato	9.8	2700	98
XOB09953015X3621	Xicato	9.8	3000	98
XOB09953515X3621	Xicato	9.8	3500	98
XOB09954015X3621	Xicato	9.8	4000	98
XOB06902710X3321	Xicato	6	2700	93
XOB06903010X3321	Xicato	6	3000	93
XOB06903510X3321	Xicato	6	3500	93
XOB06904010X3321	Xicato	6	4000	93
XOB09902715X3621	Xicato	9.8	2700	93
XOB09903015X3621	Xicato	9.8	3000	93
XOB09903515X3621	Xicato	9.8	3500	93
XOB09904015X3621	Xicato	9.8	4000	93
XOB06953010V3321	Vibrant 95	6	3000	98
XOB09953015V3621	Vibrant 95	9.8	3000	98
XOB14902750X3621	Xicato	14.5	2700	90
XOB14903050X3621	Xicato	14.5	3000	90
XOB14903550X3621	Xicato	14.5	3500	90
XOB14904050X3621	Xicato	14.5	4000	90

## XICATO XCA MODULES®

XCA implements Xicato's patented Corrected Cold Phosphor Technology® — remote phosphor on a rugged sapphire window, with separate thermal paths for the phosphor and the underlying LED array. The XCA is the core LED light source for both XTM and XIM modules.

- Over 135+ lumens per watt at operating conditions
- CCT range from 2700K to 4000K
- Light output from 700lm to 5000lm
- Available in LES from 9mm to 19mm

See [Xicato.com](http://Xicato.com) for complete portfolio.



### XCA

Part Number	Series	LES	CCT	CRI Typ
XCA19952730CCA	Artist	19	2700	98
XCA19953020CCA	Artist	19	3000	98
XCA19953030CCA	Artist	19	3000	98

## XICATO XIM MODULES®

XIM, the intelligent LED module with an integrated driver, delivers perfectly choreographed dimming, unmatched color consistency, remarkable color rendering that make any space perform to its fullest.

- 50,000 hours / 7-year, B0 (no failures) warranty that includes color consistency and electronics
- 0-10V, DALI and Bluetooth control options
- Light output from 700lm to 3000lm
- CCT range from 2700K to 4000K
- 19mm and 9mm LES options

See [Xicato.com](http://Xicato.com) for complete portfolio.



### XIM

Part Number	Series	LES	CCT	CRI Typ
XIM09953013A2A	Artist	9	3000	98
XIM09953013A6A	Artist	9	3000	98
XIM19953013A6A	Artist	19	3000	98



## XICATO XLT

Xicato Linear Tape is a constant voltage, linear light source that delivers Xicato's quality of light. XLT is easy to install with its flexible, adhesive-backed tape solution designed for cove, display case, under-cabinet, and other low-density linear applications.



- Color Rendering: CRI Ra: 98; CRI R9: 95 // TM-30 Rf: 95; Rg 102 (all metrics are typical)
- Flux Consistency: 720 lumens per meter  $\pm 10\%$  across continuous 5m length
- Color Consistency: 1x2 SDCM across continuous 5m length

### XLT

Part Number	Series	LES	CCT	CRI Typ
XLT5095273624A	Artist	N/A	2700	98
XLT5095303624A	Artist	N/A	3000	98
XLT5095353624A	Artist	N/A	3500	98
XLT5095403624A	Artist	N/A	4000	98

## XICATO XTM MODULES®

XTM delivers a zhaga compatible mechanical interface including wires and pre-applied thermal interface material for quick integration so you can deliver the best light quality and consistency your customer base faster.



- Drop in replacement for Zhaga LED modules
- Over 135+ lumens per watt at operating conditions
- CCT range from 2700K to 5600K
- Light output 1300lm to 5000lm 19mm LES and 700lm to 2000lm 9mm LES

### XTM

Part Number	Series	LES	CCT	CRI Typ
XTM09953013CCA	Artist	9	3000	98
XTM09953020CCA	Artist	9	3000	98
XTM19953013CCA	Artist	19	3000	98
XTM19953020CCA	Artist	19	3000	98
XTM19953030CCA	Artist	19	3000	98
XTM19V93020CCA	Vibrant 95	19	3000	98
XTM19V93030CCA	Vibrant 95	19	3000	98





**xicato**<sup>®</sup>

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Xicato Global Headquarters  
101 Daggett Drive, San Jose, CA 95134