

DC-120-Single Color LED Pixel DC-120-RGBW LED Pixel Daisy-chained DMX-RDM LED Sparkle Pixel

Are you tired of off-the-shelf LED pixels light strings that have the lights located where the manufacturer wants and not where you need them?

Birket offers a fully customizable Single Color or RGBW LED Pixel string in which you can install the pixels at almost any location along your set piece, wall, tree and other structure while maintaining an easy daisy-chain installation technique.

No more home-run conduits filled with cables to go from the BIRK controller to the lights on the set. The daisy-chain pixels offer a single Power and DMX-RDM distribution box capable of supplying two networks of lights.

Up to 20 Single Color, 15 RGBW, or combination of both Sparkle Pixels can be connected per network up to a maximum of 120 Watt per network.



Product Description:

DMX LED pixel string. Single Color or RGBW LED Pixels at 4W nominal power.

Uses CREE XPE for Single Color LEDs and XML-Color for RGBW LEDs.

Lights can be located at your required location using custom connectorized cable assembly.

Individual control of LED pixels via DMX network. RDM DMX address setting and control.

Multiple mounting options for surface mount or thru-wall mount.

Up to 20 pixels in one light string with a maximum of 200 feet.

Recommended pixel spacing is 2-10 feet. Different spacing can be used within the 200' max.

Electrical:

Power Distribution Box: 120-220 VAC input, 12 VDC/240W

Uses Neutrik Powercon NAC3MPA-1 input connector

Controls: DMX + RDM network. 1 Universe w/pass-thru.

Connections:

5-pin XLR connector control signals (other options available)

4-pin XLR Output Daisy-Chain networks

Maximum length: 200 feet per Daisy-Chain light string

Pixel Spacing: Minimum 2' recommended Maximum 12-feet

Recommended maximum number of lights: 25 pixels per daisy-chain (50 pixels per system)

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Light Output:

Optical Angle: 130 degrees

Overall Performance: 111 Lm/Watt

Red: 2.7 Watt, 117 Lm @700 mA

Green: 3.8 Watt, 156 Lm @700 mA

Blue: 3.4 Watt, 31 Lm @700 mA

White: 3.4 Watt, 225 Lm @700 mA
Cool White: 5700-8000 K
Neutral White: 3700-4300 K

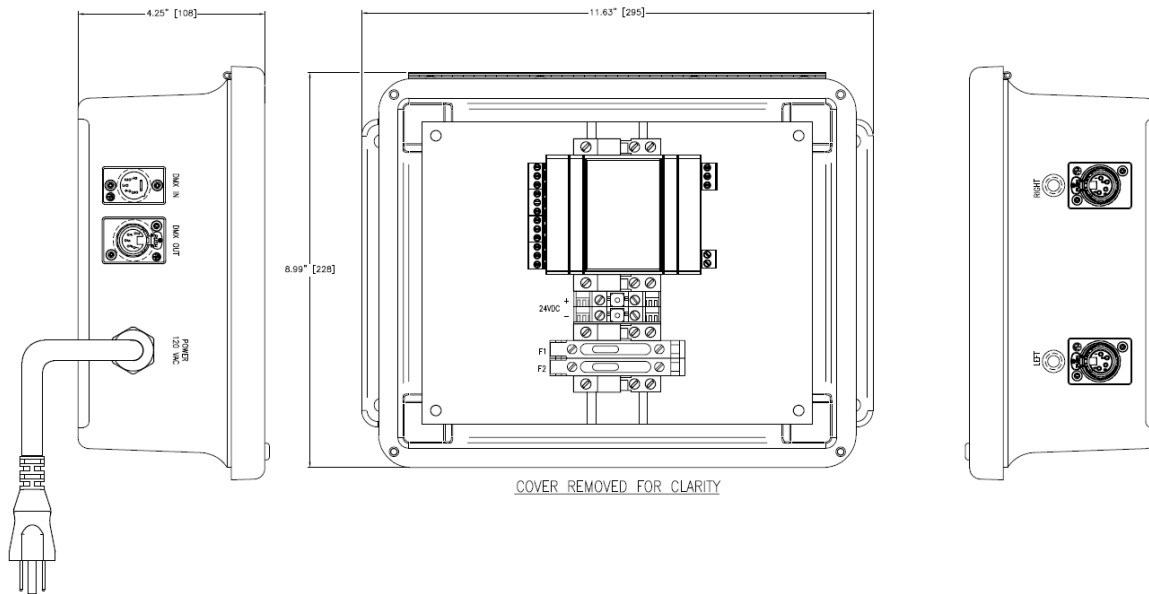
Mechanical:

Water-Proof Connectorized Cylinder Assembly [IP-65 Equivalent]

Diameter: 2" [50mm]

Height: 1.5" [40mm]

Controller Dimensions:



SPARKLE PIXEL—SINGLE COLOR - CREE XPE LEDs

Part Number	Type	Watts	Luminous Flux [Lm] @ 350 mA	Dominant Wavelength [nm] @ 350 mA	Viewing Angle [Degrees]
XPERED-L1-0000-00801	RED	3	225	620-630 nm	130
XPEGRN-L1-R250-00C01	GREEN	4	300	520-535 nm	130
XPEBLU-L1-0000-00201	BLUE	4	120	465-485 nm	130
XPEAMB-L1-0000-00401	AMBER	3	156	585-595 nm	130
XPEWHT-L1-0000-00E01	COOL WHITE	4	342	5000-10000 K	130
XPEWHT-L1-0000-00DE4	NEUTRAL WHITE	4	321	3700-5300 K	130
XPEWHT-L1-0000-00BE7	WARM WHITE	4	282	2600-3700 K	130
HH-SMD3W3535APC12	UV-365 nm	4	1.5	365 nm	120

SPARKLE PIXEL—RGBW - CREE XML RGBW LEDs

Part Number	Type	Watts	Luminous Flux [Lm] @ 350 mA	Dominant Wavelength [nm] @ 350 mA	Viewing Angle [Degrees]
XMLCTW-A0-0000-00C3AAAA1	RGBW - RED	3	138	620-630 nm	125
"	RGBW - GRN	4	264	520-535 nm	125
"	RGBW - BLU	4	42	450-465 nm	125
"	RGBW - WHT	4	300	5700-8000 k	125

ITEM	PRICE
DC-120-Single Color LED Pixel	\$190.00
DC-120-RGBW LED Pixel	\$230.00
DC-120-UV LED Pixel	\$230.00
Power Supply	\$2,800.00