FLX-60

Transformable LED, the next generation of creative LED

Key Benefits

- 16 bit per color video quality
- Color consistent for all rotation- and viewing angles thanks to symmetrical LED positioning and shader structure
- Pixel module connection system provides ultimate freedom
- IP66 rating for permanent outdoor installation
- Large cable distance possibilities for superb flexibility

Barco takes creative LED to a complete new level with the introduction of transformable LED. With this brand new concept, designers are no longer limited to traditional LED displays but can instead create any shape they want. FLX is a unique freeform LED concept that will amaze spectators all over the world.

FLX consists of individually controllable, compact, high quality LED pixel modules that can be combined with a wide variety of specifically designed carriers (mechanical structures) into any shape you desire. In addition, the waterproof crimp-style connection system allows you to even make the cable strings yourself. The FLX-60 pixel module has a 60 mm diameter and contains a cluster of five full-color LEDs for increased brightness.

Thanks to 16-bit per color processing, an ultra high refresh rate and Barco's color calibration, the pixel modules perform similar to high quality LED video displays. You can give your audience the ultimate creative display without compromising on the image quality.

Furthermore, Barco's transformable LED is ideally suited for countless applications – from live events to fixed installations, indoor as well as outdoor. It is created to withstand the toughest weather conditions and can be used in bright sunlight or rain. No matter what you want, you can transform the FLX to your own design.

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FLX-60 Technical specifications

Brightness	15.000 mcd
Light output	55 lumens
Viewing angle	140° (horizontal and vertical)
Color depth	16-bit/color
LED type	3-in-1 full color SMD
Calibration type	measured
Access	front & rear
Socket mount	3mm bolts or screws through socket
Pixel module mount	clip-in 1.5 mm sheet metal or 3 M4 bolts
Diameter	60 mm
Overall height including socket	60 mm
Weight pixel	150 g
Weight incl. socket and cable	200 g (300 mm cable pitch)
Protection (rating when mated)	IP66
Maximum number of pixel modules on 1 cable	256
Default cable string	16 pixels, allowing placement on a grid of up to 200 mm interconnectable
Custom cable string	made to order or do it yourself with crimptool
Socket cable type	rectangular pierce cable 4-core, 5 x 15 mm
Extension cable type	circular 4-core, diameter 8 mm

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