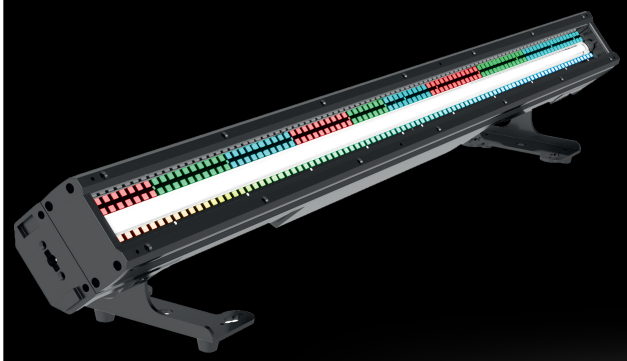
FALCON FX400

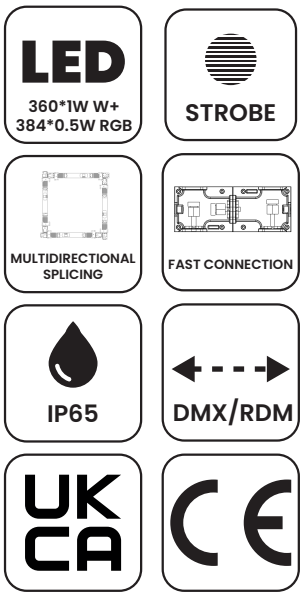
HIGH POWERED IP65 LED STROBE BAR



Falcon FX400 is a high-performance IP65-rated strobe and wash bar, designed for professional stage, event, and outdoor lighting applications. Delivering an impressive 20,000 lumens through 360 white 1W LEDs and 384 RGB 0.5W LEDs, it ensures powerful, high-contrast effects with smooth color mixing.
With 12 individually controlled main LED sections and 24 backlight RGB sections, the FX400 provides extensive pixel-mapping capabilities, allowing for highly dynamic and customizable effects. The electronically controlled frost filter enables seamless transitions between intense strobe bursts and a wide 76° wash, making it ideal for both high-energy effects and ambient lighting.
For maximum flexibility, the FX400 features a quick-connect system, fully compatible with the Falcon BAR400, allowing multiple units to be easily linked for extended coverage. With DMX/RDM support, it integrates effortlessly into complex lighting setups, while multiple mounting options, including an optional baseplate for stable ground placement, ensure adaptability in any environment. Built for rugged durability, the FX400 is a versatile lighting solution that delivers professional-grade performance in any setting.

- Main LED: 360 x 1 CW
- Back LED: 384 x 0.5W RGB
- Electronic frost / SMART GLASS
- Linear 16-bit Dimming w/ 4 Dimmer Curves
- 76° Beam Angle | 110° Field Angle
- 20.000 Lumen
- Virtual Color Gel Presets
- Built-In Color Scroll & Fade FX
- Variable Color Temperature Control
- User Selectable Refresh Rates
- Hardline DMX via 5-Pin or 3-Pin XLR Connection
- Smart temprature control
- AC Power Operation via PowerCON TRUE1 IN/THRU Connection
- Convective Heatsink – Fanless Design
- Self Standing Base with rubber feets on. With quarter turn bracket

RGB + CW
Color Mixing



FALCON FX400 HIGH POWERED IP65 LED STROBE BAR

SPECFICATION SHEET

OPTICAL PARAMETERS

Main led Source:	360 X 1W White SMD LED
Backlight source:	384 X 0.5W RGB SMD LED
Lumens:	10,037
Source Life Expectancy:	50,000 Hours
Beam Angle:	WIth frost activated: 76°
Field Angle:	With Frost activated: 110°
TM-30/CRI/TLCI:	CRI 93.7
Optional Attachment:	Barn door
Selectable PWM:	800, 1,200, 2,000, 3,600, 25,000 Hz

DYNAMIC EFFECTS

Pixel Control:	36 individual controllable zones
Dimming Resolution:	16-bit Dimming
Dimmer Curves:	4
Stand-Alone Mode:	Selection of Static Color
Built-in Automated Programs:	Yes
Sound Active Mode:	Yes
Master/Slave Mode:	Wired
Shutter/Strobe:	1 – 20 Hz

PHYSICAL

Ingress Protection Rating:	IP65, outdoor/wet
Cooling:	Convective Heatsink – Fanless Design
Signal connection:	5-Pin XLR IN/THRU
Power connection:	Seetronic True1 IP65
Dimensions (WxHxD)mm:	1025 x 140 x 192
Weight:	9,15kg

ELECTRICAL

Power Supply:	100-240V – 50/60Hz
Max Power Consumption:	380W / 1.65A @ 230V
Power factor:	>0.95
Inrush current:	50 A, 375 µs
Standy Power consumption:	11.5W
Power supply:	Overload protection, output overvoltage protection, over-temperature protection

BODY

Body:	Die-Cast Aluminum
Body Color:	Black (RAL-9004)
Filters:	Electric controlled Frost filter
Tilt:	0-180

COLOR SYSTEM

Color Mixing:	RGB + W
Macros:	Built-In color effects, Strobe effects and blinder effects.

CONTROL

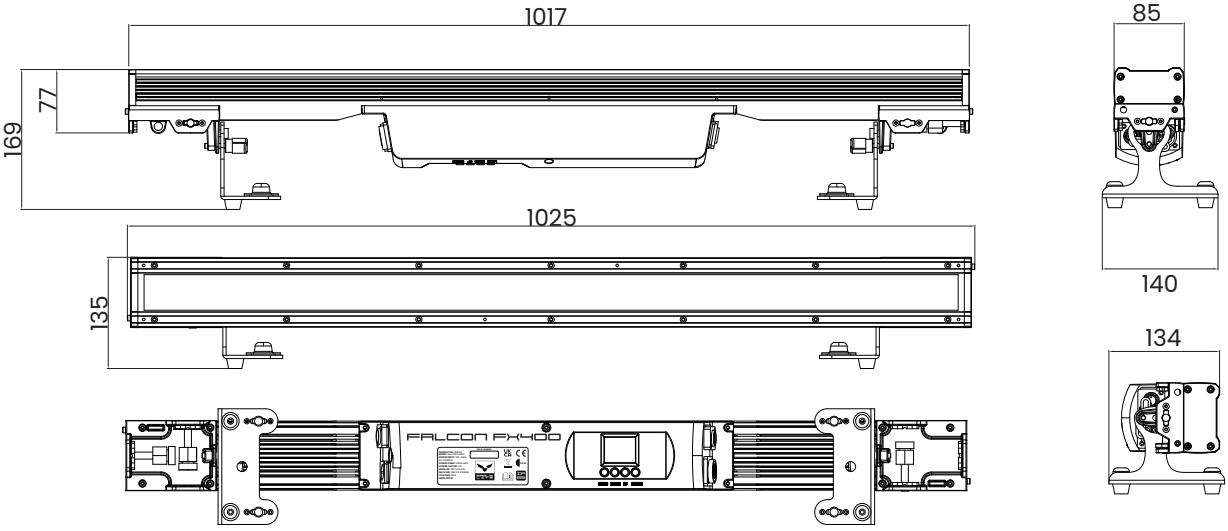
Protocols:	DMX512
DMX channels:	3 / 10 / 22 / 36 / 50 / 92 ch
Display:	TFT display
LED Color Calibration:	Yes
Stand-Alone, Master/Slave, Sound Active Modes	

OPTIONAL ACCESSORIES:

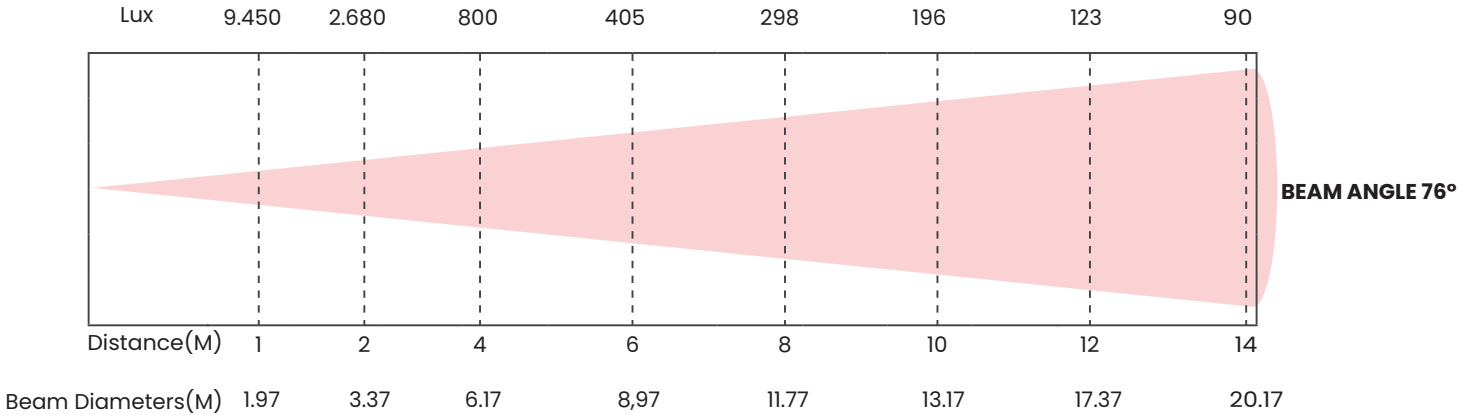
4in1/6in1/8in1 FlightCase made in EU	Power Linking Cables
Barn Doors	Selflock Couplers
Base Plate & hanging bracket	Omega Bracket

FALCON FX400 HIGH POWERED IP65 LED STROBE BAR

SIZE



PHOTOMETRIC



LED PIXEL ZONES

RGB
White
RGB

10 CH

RGB 1		RGB 2	
White 1	White 2	White 3	White 4
RGB 3		RGB 4	

22 CH

RGB 1	RGB 2	RGB 3	RGB 4	RGB 5	RGB 6
White 1	White 2	White 3	White 4	White 5	White 6
RGB 7	RGB 8	RGB 9	RGB 10	RGB 11	RGB 12

50 CH

RGB 1	RGB 2	RGB 3	RGB 4
White 1	White 2	White 3	White 4
RGB 5	RGB 6	RGB 7	RGB 8

36 CH

RGB 1	RGB 2	RGB 3	RGB 4	RGB 5	RGB 6	RGB 7	RGB 8	RGB 9	RGB 10	RGB 11	RGB 12
White 1	White 2	White 3	White 4	White 5	White 6	White 7	White 8	White 9	White 10	White 11	White 12
RGB 13	RGB 14	RGB 15	RGB 16	RGB 17	RGB 18	RGB 19	RGB 20	RGB 21	RGB 22	RGB 23	RGB 24

92 CH