

zylight F8-B²

365nm
Black
Light

The Flat Fresnel



BATTERY
POWER



WIRELESS



CRI



SNOW



RAIN



DUST



Own the Dark - Get More Glow for Less Dough

If you are looking for dramatic, eye-popping, professional black light effects, your fixture needs to emit true 365nm ultraviolet light. Most LED blacklights emit 385nm to 400nm, producing an inefficient output requiring added filters and lower output.

Zylight's F8-B² is the only fixture that combines our proprietary Tru365™ LED module with the flexibility and control of a focusable glass Fresnel lens. Our second generation chip is 3x more powerful than the first, delivering more punch at longer distances. Our active cooling utilizes an ultra-low noise fan and offers dual-mode settings for silent when needed or boost mode for maximum punch.

With no lenses to change, no filters to check, and no fixed beam patterns to limit your creativity. Emitting a powerful narrow band of UV light, that's the power of Tru365.

FEATURES & BENEFITS

- 3X More Powerful LED Module
- Proprietary 100W TRU365nm LED
- 7x the Power of a Traditional 400W Fixture
- IP54 Weather Resistance
- Thin Profile & Compact Design
- Variable Focus Range from 16° to 70°
- 14.4V Battery or AC Power
- Dual Mode - Silent or Boost with Ultra-Quiet Active Cooling

APPLICATIONS

- Theme Park
- Stage Production
- Event Lighting
- Forensics



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ZyLight F8-B² Flat Fresnel Specifications



Mechanical

Lens Diameter:	8" (203mm)
Size (W x D x H):	13.38" x 5.9" x 13" (340mm x 150mm x 330mm)
Weight:	10.9 lbs. (4.94 kg) with Yoke
Mounting:	Standard Yoke (Optional: Pole Yoke Mount)
Weather Resistance:	IP54

Electrical

Input:	10 - 20VDC, 4 - Pin XLR (14.4V Battery Plate - Optional)
Power:	100W Max. (8.0 Amps @ 14VDC)
Cooling:	Dual Mode Fan (Silent / Boost)

Output

Beam Angle:	16° - 70°, Variable Spot Flood
Dimming:	100 - 0%
Control:	Rear Panel Local, ZyLink Wireless, DMX512A
Wavelength:	365nm Blacklight
LED L70:	25,000 Hours
Useful Lifetime*:	30,000 Hours
Warranty:	2 Year Limited Warranty

Kit Includes: Yoke, Snoot, Barn Doors, DMX Interface and Power Supply

*The amount of UV needed to make objects fluoresce is a subjective matter. Variables such as distance to the object, paint colors, dimming, flood or spot positions of the Fresnel lens, and reflective surfaces will all have an effect on fluorescence. As the UV output of the chip degrades over time, the end effect of what is considered useful depends upon the user. If the fixture is dimmed during normal use, it can be tuned upwards over time to compensate for UV degradation. ZyLight has designed active cooling to optimize life in Boost mode and passive cooling in Silent mode. We expect that you will have many years of production with the F8-B². Should you need to replace the chip at the end of life, our ZyLight service center can provide this service at a reasonable cost and quick turnaround.

SPOT POSITION		SPOT 16° BEAM ANGLE								
Distance [feet]		3	5	10	15	20	25	30	40	50
Beam diameter [feet]		0.84	1.13	2.81	4.22	5.62	7.03	8.43	11.24	14.05
UV-A Intensity [microW/cm ²]		37,150	16,079	3,994	1,779	998	640	116	65	42
FLOOD POSITION		FLOOD 70° BEAM ANGLE								
Distance [feet]		3	5	10	15	20	25	30	40	50
Beam diameter [feet]		4.20	7.00	14.00	21.01	28.01	35.01	42.01	56.02	70.02
UV-A Intensity [microW/cm ²]		6,575	2,846	707	315	177	113	79	44	28



Warning: This fixture emits Ultraviolet Radiation (UVA) at a primary wavelength of 365nm. The radiation emitted is not in the visible spectrum and can cause eye and skin damage! Do not look directly into the lens during operation! Please use caution and wear eye protection and protective clothing for anything other than brief temporary exposure. This fixture is meant to be used at distances of over 10 feet (3m).