



STORM 400x Feature Sheet

Main Features

- **400W tunable-white** compact point source fixture
- **Advanced white point control** with **green/magenta color correction** ($\pm G$ 100% full ASC MITC range)
- CCT range of **2,500K-10,000K**
- **Groundbreaking proprietary LED chipset**: Blue, Lime, Amber, Indigo, Red (BLAIR)
- **Advanced diode color mixing** allows fixture to more effectively utilize each diode's **light output**
- **27,100 lux @1m (5600K)** when using included 35° reflector
- **Ultra-high color accuracy**: CRI \geq 95, TLCI \geq 95, CQS [CIE D5600] \geq 96, SSI [P3200]: 87, SSI [CIE D5600]: 85, TM-30 Rf (average) 95, TM-30 Rg (average) 100
- **87%+ coverage** of Rec. 709 color gamut
- **Robust ProLock Locking Bowens Mount design** allows for more secure and optically aligned modifier accessory connection
- **IP65 weather resistance**
- Smooth 0.1-100% **stepless dimming**
- **Multiple control methods**: Sidus Link and Sidus Link Pro App, LumenRadio CRMX, 16-bit 5-Pin DMX512 in & out
- **Dual output modes**: max and constant
- **High-Speed Photography, Lead-Follow, and Studio Modes**
- **4 fan modes**: Smart, High, Medium, Silent
- **12 DMX control profiles** with **multiple DMX dimming modes** and **customizable DMX signal loss behaviors**
- **4 dimming curves**: Linear, Exponential, Logarithmic, S-shaped
- **9 light effects**: Paparazzi, Fireworks, Flickering Bulb, Cannon, Lightning, TV, Pulse, Flash, Explosion, Flame
- **10 savable presets**



Sales & Shipping Information

Product Name	STORM 400x	
	SKU	EAN
STORM 400x (V-Mount) (US)	AP00339A20	6977162456942
STORM 400x (V-Mount) (EU)	AP00339A21	6977162456959
STORM 400x (V-Mount) (AU)	AP00339A22	6977162456966
STORM 400x (V-Mount) (UK)	AP00339A23	6977162456973
STORM 400x (V-Mount) (JP)	AP00339A24	6977162456980
STORM 400x (V-Mount) (CN)	AP07050067	6977162456997
STORM 400x (A-Mount) (US)	AP00339A25	6977162457000
STORM 400x (A-Mount) (US)-VN	AP0700038P	00850065294674
STORM 400x (V-Mount) (US)-VN	AP0700038N	00850065294667
Packing Dimensions	67.5×30×32.7cm / 26.7 × 11.81 × 12.8in	
Net Weight	9 Kg / 19.8lbs	
Gross Weight	13.75 Kg / 30.31lbs	
Carton Quantity	1 pc	
Carton Dimensions	67.5×30×32.7cm / 26.7 × 11.81 × 12.8in	
Carton Weight	13.75 Kg / 30.31lbs	



Product Description

Introducing the Aputure STORM 400x, a next-generation point-source LED lighting fixture that delivers professional-grade performance in a compact and robust form factor. Built upon the same innovative foundation as the STORM 1200x and STORM XT52, the STORM 400x features Aputure's proprietary BLAIR LED chipset—an advanced five-diode design that incorporates Blue, Lime, Amber, Indigo, and Red emitters. This cutting-edge chipset enables more efficient spectral blending and unparalleled white light accuracy.

With a powerful 400W output and compact profile, the STORM 400x is the ideal tool for users seeking versatile, color-accurate lighting solutions that can adapt to a wide range of shooting environments. Offering a broad CCT range of 2,500K to 10,000K and full $\pm G$ green-magenta tint control across the complete ASC MITC range, the STORM 400x gives users fine-tuned white point adjustment to precisely match ambient and practical sources. This level of control ensures consistent visual continuity across every scene and setup.

Thanks to its advanced diode architecture and optical design, the STORM 400x achieves an impressive 27,100 lux at 1 meter (5600K) when using its included 35° reflector. This output is paired with industry-leading color metrics: CRI and TLCI \geq 95, CQS \geq 96, SSI (Tungsten) 87, SSI (D56) 85, and average TM-30 scores of Rf 95 and Rg 100. This makes it a reliable fixture for color-critical work. With over 87% Rec. 709 color gamut coverage and smooth 0.1–100% stepless dimming, the STORM 400x excels in both creative expression and technical consistency.

Built for demanding workflows, the STORM 400x is housed in an IP65 weather-resistant body and features Aputure's ProLock accessory system, offering enhanced accessory security and optical alignment when working with heavier or optical modifiers. Its intelligent cooling system includes four fan modes: Smart, High, Medium, and Silent. This allows users to optimize output based on shooting noise conditions.

Equipped with extensive control capabilities, including Sidus Link® and Sidus Link Pro® app compatibility, LumenRadio CRMX, and 16-bit DMX512 in/out, the STORM 400x integrates effortlessly into complex lighting networks and console-controlled environments.

Whether you're working on high-end film productions, commercial shoots, or small-crew run-and-gun setups, the STORM 400x offers the rugged reliability, precision color performance, and intuitive control expected from Aputure's advanced lighting ecosystem.

Target Audience

For cinematographers, the STORM 400x offers precision white light control and unmatched color fidelity in a compact form factor, enabling them to shape light with intent and accuracy on set. With its advanced BLAIR chipset and full $\pm G$ green-magenta adjustment, the STORM 400x delivers the flexibility to craft scenes that seamlessly match ambient sources or achieve stylized color contrast.

Gaffers and lighting technicians will appreciate the fixture's robust IP65 build, ProLock Bowens Mount, and versatile control options, including 16-bit DMX512, LumenRadio CRMX, and the Sidus Link ecosystem. These features allow for seamless integration into professional lighting setups, efficient rigging, and intuitive real-time control.

For owner-operators and video professionals, the STORM 400x strikes the perfect balance between portability and power. Its high output and efficient power draw make it a reliable choice for commercial shoots, interviews, and small-to-mid scale productions where compact, weather-resistant lighting is essential.

Photographers will find the STORM 400x to be a dynamic lighting tool that adapts easily to studio and location workflows. With its broad CCT range, ultra-smooth dimming, and high color accuracy, this fixture delivers clean, consistent light for both still life and portrait work.

No matter your discipline, the STORM 400x empowers creatives as a compact, feature-rich lighting solution built to withstand the demands of modern production environments.



STORM 400x Photometrics

CCT	Dis.	No Reflector	35° Reflector	CF7 Full Spot (15°)	CF7 Full Flood (40°)
2,500K	1m	20,590 lux 1,913 fc	49,200 lux 4,571 fc	179,800 lux 16,703 fc	40,600 lux 3,772 fc
	3m	2,361 lux 219 fc	3,850 lux 358 fc	17,700 lux 1,644 fc	4,780 lux 444 fc
3,200K	1m	25,600 lux 2,378 fc	61,600 lux 5,723 fc	225,200 lux 20,921 fc	51,000 lux 4,738 fc
	3m	2,964 lux 275 fc	4,850 lux 451 fc	22,210 lux 2,063 fc	6,020 lux 559 fc
4,300K	1m	27,350 lux 2,541 fc	65,400 lux 6,076 fc	237,300 lux 22,045 fc	53,900 lux 5,007 fc
	3m	3,140 lux 292 fc	5,120 lux 476 fc	23,470 lux 2,180 fc	6,400 lux 595 fc
5,600K	1m	27,100 lux 2,518 fc	64,600 lux 6,001 fc	236,700 lux 21,989 fc	53,900 lux 5,007 fc
	3m	3,110 lux 289 fc	5,090 lux 473 fc	23,260 lux 2,161 fc	6,380 lux 593 fc
6,500K	1m	26,500 lux 2,462 fc	63,300 lux 5,881 fc	228,700 lux 21,246 fc	52,700 lux 4,896 fc
	3m	3,040 lux 282 fc	4,970 lux 462 fc	22,690 lux 2,108 fc	6,240 lux 580 fc
7,500K	1m	25,700 lux 2,388 fc	61,600 lux 5,723 fc	225,200 lux 20,921 fc	51,500 lux 4,784 fc
	3m	2,960 lux 275 fc	4,840 lux 450 fc	22,110 lux 2,054 fc	6,100 lux 567 fc
10,000K	1m	24,160 lux 2,244 fc	57,800 lux 5,370 fc	212,600 lux 19,751 fc	48,500 lux 4,506 fc
	3m	2,790 lux 259 fc	4,550 lux 423 fc	20,760 lux 1,929 fc	5,740 lux 533 fc

What's in the Box

Name	Qty
STORM 400x Lamp Head	1
STORM 400x Control Box	1
Lightning Clamp	1
35° Angle Hyper Reflector	1
STORM 400x Head Cable (3m)	1
AC Power Cable (6m)	1
Bowens Mount Protection Cover	1
Soft Carrying Case	1



STORM 400x Specifications

LED Chipset		BLAIR
CCT		2,500K – 10,000K
Green-Magenta Adjustment Range		±G 100% (Full ASC MITC Range)
CRI		≥95
TLCI		≥95
CQS		≥94
SSI (Tungsten)		87
SSI (D56)		85
TM-30 RF (Average)		95
TM-30 RG (Average)		100
Max Power Consumption		500W
Max Power Output		400W
Operating Voltage		100V ~ 240V / 50-60 Hz
USB-A Power Port Specifications		Out 5V/0.5A
Battery Mount Operating Voltage		14.4V
Weather Resistance Rating		IP65
Native COB Beam Angle		57°
Included Reflector Beam Angle		35°
Data Ports		1x 5-Pin DMX In, 1x 5-Pin DMX Out
Operating Temperature		-20°C ~ 45°C / -4°F ~ 113°F
Storage Temperature		-40°C ~ 80°C / -40°F ~ 176°F
Control Methods		On-board, Sidus Link App, Sidus Link Pro App, DMX/RDM, CRMX, etherCON
Firmware Upgradeable		Sidus Link, Sidus Link Pro, USB-A Drive
Wireless Range	Sidus Bluetooth	≤100m / ≤262.5ft
	CRMX (TimoTwo)	≤100m / ≤262.5ft
Lamp Head Fan Noise Levels (at 1m)	Smart Mode	36 dBA
	High Mode	33 dBA
	Medium Mode	29 dBA
	Silent Mode	0 dBA
Dimensions	Lamp Head (With Yoke)	23.9 x 25.3 x 42.4cm 9.4 x 10.0 x 16.7in
	Control Box	13.6 x 14.1 x 24.3cm 5.4 x 5.6 x 9.6in
Weight	Lamp Head with Yoke	3.95kg / 7.99lbs
	Control Box	3.00kg / 6.07lbs
	Head Cable	0.51kg / 1.03lbs
	AC Power Cable	0.59kg / 1.19lbs
	35° Reflector	0.25kg / 0.51lbs
	Lightning Clamp	0.65kg / 1.32lbs