



STORM XT52 Feature Sheet [Preliminary Specifications]

Main Features

- **5,200W** Point-Source Full White LED with **Dynamic CCT & Tint Control**
- **Highest Power** LED Point-Source in the Industry
- **Daylight Output Greater than 6,000W HMI**
- **Ultra-High Color Accuracy:** CRI≥96, TLCI≥96, SSI [P3200]: 86, SSI [CIE D5600]: 86, TM-30 Rf (average) 96, TM-30 Rg (average) 101
- **Breakthrough LED Chipset:** Blue, Lime, Amber, Indigo, Red (BLAIR)
- **Advanced Diode Color Mixing** Allows Fixture to More Effectively Utilize Each Diode's **Light Output**
- **Fully Tunable CCT** from 2,500K to 10,000K
- **Advanced White Point Control** with **Green/Magenta Color Correction** (±G 100% Full ASC MITC Range)
- **Flexible White Light Standards** (CIE Daylight or Blackbody)
- **Aputure HyperDrive LED Precision Driver** Ensures **Flicker-Free Performance at All Color Temperatures and Hues** Above 20% Output
- **Electronic Aputure Mount** Compatible with Aputure Mount Reflectors, CF16 Motorized Fresnel, and other Large Modifiers and Powered Accessories¹
- **Auto Output Calibration, Optimization, and Chip Protection** Using Aputure Mount Modifiers
- Head Cables Support **Daisy Chaining** Up To 45m
- **IP65** Dust & Water-Resistant
- **Advanced Liquid-Cooling Technology**
- Supports **Sidus NFC Quick Configuration**
- **Removable Heavy-Duty Yoke** for More Rigging and Storage Options
- **Multiple Control Methods:** Sidus Link App Control, LumenRadio CRMX, Art-net & sACN via etherCON, 16-bit 5-Pin DMX512 In & Out
- **Service-Friendly Modular Sub-Assembly Component Design** with Circuit Board-Level Fault Inspection Error Codes and Monitoring
- **Stackable Lamp Head Design** Optimized for Shelf and Head Cart Storage

¹ Additional Aputure Mount Accessories and Modifiers will be available in the future



What's in the Box

Name	Qty
STORM XT52 Lamp Head	1
STORM XT52 Removable Yoke	1
STORM XT52 Aputure Mount Protection Cover	1
STORM XT52 Control Box	1
Aputure Mount 35° Medium Reflector	1
AC Power Cable (1m)	1
STORM XT52 Head Cable (7.5m)	1
Safety Clip	1
STORM XT52 Lamp Head Flight Case (OPTIONAL)	1
STORM XT52 Control Box Flight Case (OPTIONAL)	1

PRELIMINARY FEATURE SHEET. ALL SPECIFICATIONS SUBJECT TO CHANGE.



Product Description

The Aputure STORM XT52 is a revolutionary high-output 5,200W full-white LED point-source fixture designed to redefine professional lighting standards. As the most powerful tunable white LED point-source fixture, the STORM XT52 delivers output greater than a 6,000W HMI. Engineered with Aputure's revolutionary BLAIR chipset, the XT52 incorporates an advanced diode mix of Blue, Lime, Amber, Indigo, and Red, allowing for exceptional spectral accuracy and refined white-point control.

The STORM XT52 features a fully tunable CCT range from 2,500K to 10,000K, with support for both CIE Daylight and Blackbody white light standards, ensuring unmatched flexibility across any lighting environment. Its advanced white-point control system includes ±G 100% ASC MITC range green-magenta tint correction, allowing seamless integration into mixed-lighting environments. With third-generation Aputure HyperDrive LED driver technology, the XT52 achieves flicker-free performance at all color temperatures above 20% output, ensuring smooth intensity transitions and precision control for high-speed cinematography.

Designed for large-scale productions, the electronic Aputure Mount ensures compatibility with Aputure's ecosystem of high-output modifiers, including the CF16 Motorized Fresnel and other large-format optical and softbox accessories. Auto output calibration and chip protection optimize light quality when using Aputure Mount modifiers while protecting the LED chip from overheating. Featuring head cables capable of daisy-chaining up to 45 meters, the XT52 provides extended rigging flexibility for studio and location lighting setups.

Engineered to withstand the demands of professional filmmaking, the STORM XT52 boasts an IP65 dust and water-resistant design, ensuring reliability in extreme environments. Its advanced liquid-cooling technology maintains optimal thermal performance, reducing noise and extending LED lifespan. A removable heavy-duty yoke increases storage and rigging possibilities, while its stackable lamp head design is optimized for shelf and head cart storage.

With multiple industry-standard control methods, including Sidus Link®, LumenRadio CRMX, Art-Net & sACN via etherCON, and 16-bit DMX512, the STORM XT52 ensures seamless compatibility with modern lighting workflows. Additionally, Sidus NFC Quick Configuration allows for rapid setup and fixture addressing. Its service-friendly modular sub-assembly design incorporates circuit board-level fault inspection and error monitoring, minimizing downtime and maximizing efficiency on set.

The STORM XT52 can be purchased with or without flight cases, allowing users to order the configuration that they need to efficiently store and transport their light.

Delivering unparalleled output, precision color accuracy, and next-generation LED technology, the Aputure STORM XT52 redefines the future of high-output LED lighting, offering a powerful, reliable, and intelligent solution for high-end film industry professionals.

Target Audience

The Aputure STORM XT52 is designed for cinematographers, lighting technicians, rental houses, and studios working in the high-end film, television, and commercial spaces that demand the highest power, color and dimming precision, and durability from their lighting equipment. With unprecedented LED output, dynamic white-light adjustability, and intelligent accessory integration, the XT52 is the ideal alternative to traditional HMIs, enabling productions to achieve cinematic lighting quality with modern LED efficiency and control that outperforms and outlasts HMI technology.



STORM XT52 Photometrics

CCT	Dis.	No Reflector	50° Reflector ¹	35° Reflector	25° Reflector ¹	20° Reflector ¹
2,500K	3m					
	5m					
3,200K	3m	18,870 lux 1,753 fc	58,380 lux 5,424 fc	103,500 lux 9,616 fc	189,500 lux 17,605 fc	-
	5m	7,180 lux 667 fc	24,500 lux 2,276 fc	35,400 lux 3,289 fc	66,000 lux 6,132 fc	119,600 lux 11,111 fc
4,300K	3m					
	5m					
5,600K	3m	22,080 lux 2,051 fc	68,400 lux 6,355 fc	124,400 lux 11,557 fc	222,000 lux 20,625 fc	-
	5m	8,420 lux 782 fc	24,480 lux 2,274 fc	41,900 lux 3,893 fc	77,500 lux 7,200 fc	136,500 lux 12,681 fc
10,000K	3m					
	5m					

[1] Available Separately

Sales & Shipping Information

Product Name		STORM XT52	
		SKU	EAN
EU CEE 32A Plug		AP070F0155	6977162454306
EU Plug Flight Case Kit		AP070F0159	TBD
Base Kit	Packing Dimensions	119.0 x 62.0 x 60.0cm 46.9 x 24.4 x 23.6in	
	Net Weight	53.30kg / 117.51lbs	
	Gross Weight	81.50kg / 179.68lbs	
	Carton Quantity	1	
	Carton Dimensions	TBD	
	Carton Weight	TBD	
Flight Case Kit	Packing Dimensions	TBD	
	Net Weight	TBD	
	Gross Weight	TBD	
	Carton Quantity	TBD	
	Carton Dimensions	TBD	
	Carton Weight	TBD	

STORM XT52 Specifications

CCT	2,500K – 10,000K	
CRI	>96	
TLCI	>96	
CQS	TBD	
SSI (Tungsten)	87	
SSI (D56)	86	
TM-30 RF (Average)	96	
TM-30 RG (Average)	101	
Operating Voltage	Standard Output	100~240V 50/60Hz
	Full Output	180~240V 50/60Hz
Max Power Consumption (180-240V)	Standard Mode	5200W
	Extended Head Cable Mode	6000W
Max Power Consumption (100-179V)		3200W
Max LED Power Output		4800W
AC Power Max Current		32A
Weather Resistance Rating		IP65
Native Beam Angle (No Reflector)		93°
Compatible Aputure Mount Reflectors		20°, 25°, 50° XT52 Reflectors
Max Head Cable Daisy Chain Length		45m
Operating Temperature		-20°C ~ 50°C / -4°F ~ 113°F
Storage Temperature		-40°C ~ 80°C / -40°F ~ 176°F
Control Methods		Onboard, Sidus Bluetooth, DMX, CRMX, Art-Net/sACN
Firmware Upgradeable		USB-A, Sidus Link, Sidus Link Pro
Wireless Range (Bluetooth & CRMX)		100m
Screen Type		TFT
Cooling Method		Liquid + Air Cooling
Fan Noise Levels (1m distance)	High Speed Mode	56.0dBA
	Default Mode	45.4dBA
Dimensions	Lamp Head with Yoke	55.0 x 54.1 x 83.0cm 21.7 x 21.3 x 32.7in
	Lamp Head without Yoke	55.0 x 35.3 x 36.2cm 21.7 x 13.9 x 14.3in
	Removable Yoke for STORM XT52	54.1 x 69.0cm 21.3 x 27.2in
	Control Box	41.1 x 16.0 x 38.8cm 16.2 x 6.3 x 15.3in
Weight	Aputure Mount 35° Reflector	∅33.0 x 30.7cm ∅16.2 x 6.3 x 15.3in
	Lamp Head with Yoke	31.30kg / 68.56lbs
	Lamp Head without Yoke	27.80kg / 61.29lbs
	Removable Yoke for STORM XT52	3.50kg / 7.72lbs
	Control Box	13.40kg / 29.54lbs
	Aputure Mount 35° Reflector	1.50kg / 3.31lbs