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STORM XT52 Feature Sheet [Preliminary Specifications]

Main Features

- **5,200W** Point-Source Tunable 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]: 87, SSI [CIE D5600]: 88**, TM-30 Rf (average) 95, TM-30 Rg (average) 100
- **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 Accessories[1]
- **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 Cable	1
Lightning Clamp	1
STORM XT52 Lamp Head Flight Case (OPTIONAL)	1
STORM XT52 Control Box Flight Case (OPTIONAL)	1

Product Description

The Aputure STORM XT52 is a revolutionary high-output 5,200W tunable 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.

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STORM XT52 Photometrics

CCT	Dis.	No Reflector	50° Reflector[1]	35° Reflector	25° Reflector[1]	20° Reflector[1]
2,500K	3m	15,950 lux 1,481 fc	47,800 lux 4,440 fc	90,900 lux 8,445 fc	151,200 lux 14,044 fc	-
	5m	5,990 lux 556 fc	17,500 lux 1,625 fc	31,300 lux 2,908 fc	52,500 lux 4,692 fc	93,200 lux 8,658 fc
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	22,830 lux 2,121 fc	151,200 lux 14,044 fc	131,300 lux 12,200 fc	218,800 lux 20,320 fc	-
	5m	8,620 lux 801 fc	52,500 lux 4,692 fc	45,300 lux 4,209 fc	75,900 lux 7,409 fc	134,500 lux 12,490 fc
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	17,140 lux 1,592 fc	51,900 lux 4,822 fc	98,600 lux 9,162 fc	163,000 lux 15,140 fc	-
	5m	6,420 lux 596 fc	18,970 lux 1,762 fc	33,900 lux 3,150 fc	56,800 lux 5,277 fc	100,600 lux 9,340 fc

[1] Available Separately

Sales & Shipping Information

Product Name	STORM XT52	
	SKU	UPC
CN CEE 32A Plug	AP070F0154	6977162454290
EU CEE 32A Plug	AP070F0155	6977162454306
Bare Leads	AP070F0156	6977162454313
CN Plug Flight Case Kit	AG07050001	6977162454368
EU Plug Flight Case Kit	AG07010002	6977162455570
Bare Leads Flight Case Kit	AG07060003	6977162455587

Base Kit			
	Packing Dimensions	117.5 x 60.5 x 47.5cm 46.3 x 23.8 x 18.7in	
	Net Weight	53.30kg / 117.51lbs	
	Gross Weight	81.50kg / 179.68lbs	
	Carton Quantity	1 pc	
	Carton Dimensions	117.5 x 60.5 x 47.5cm 46.3 x 23.8 x 18.7in	
	Carton Weight	81.50kg / 179.68lbs	

Flight Case Kit		Lamp Head Case	Control Box Case
	Packing Dimensions	81.0 x 47.0 x 60.0cm 31.9 x 18.5 x 18.1in	81.5 x 62.0 x 50.0cm 32.1 x 24.4 x 19.7in
	Net Weight	33.00kg / 72.75lbs	20.00kg / 44.09lbs
	Gross Weight	50.50kg / 111.33lbs	48.60kg / 107.14lbs
	Carton Quantity	1 pc	1 pc
	Carton Dimensions	84.5 x 50.0 x 60.0cm 33.3 x 19.7 x 23.6in	84.5 x 66.0 x 64.0cm 33.3 x 26.0 x 25.2in
	Carton Weight	60.50kg / 133.40lbs	60.5kg / 133.40lbs

STORM XT52 Specifications

CCT		2,500K – 10,000K
CRI		>96
TLCI		>96
CQS (Tungsten)		95
CQS (Daylight)		96
SSI (Tungsten)		87
SSI (D56)		88
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	5600W
	Extended Head Cable Mode	6000W
Max Power Consumption (100-179V)		3200W
Max Lamp Head Power Consumption		5200W
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
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	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
	Aputure Mount 35° Reflector	⌀33.0 x 30.7cm ⌀16.2 x 6.3 x 15.3in
Weight	Lamp Head with Yoke	31.30kg / 68.56lbs
	Lamp Head without Yoke	27.80kg / 61.29lbs
	Removable Yoke	3.50kg / 7.72lbs
	Control Box	13.40kg /29.54lbs
	Aputure Mount 35° Reflector	1.50kg /3.31lbs

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STORM XT52 Reflector Kit
Feature Sheet
Main Features

- **50° Wide, 25° Narrow, and 20° Narrow Angle Extension Reflectors** designed for the STORM XT52
- Included **Protective Rolling Hard Case** For Storing and Transporting Both Reflectors
- Uniform Edge-to-Edge Light Output Distribution With No Hotspots

Photometrics

CCT	Dis.	XT52 with 50° Reflector	XT52 with 25° Reflector	XT52 with 20° Reflector Extension
2,500K	3m	47,800 lux 4,440 fc	151,200 lux 14,044 fc	-
2,500K	5m	17,500 lux 1,625 fc	52,500 lux 4,692 fc	93,200 lux 8,658 fc
3,200K	3m	58,380 lux 5,424 fc	189,500 lux 17,605 fc	-
3,200K	5m	24,500 lux 2,276 fc	66,000 lux 6,132 fc	119,600 lux 11,111 fc
4,300K	3m	151,200 lux 14,044 fc	218,800 lux 20,320 fc	-
4,300K	5m	52,500 lux 4,692 fc	75,900 lux 7,409 fc	134,500 lux 12,490 fc
5,600K	3m	68,400 lux 6,355 fc	222,000 lux 20,625 fc	-
5,600K	5m	24,480 lux 2,274 fc	77,500 lux 7,200 fc	136,500 lux 12,681 fc
10,000K	3m	51,900 lux 4,822 fc	163,000 lux 15,140 fc	-
10,000K	5m	18,970 lux 1,762 fc	56,800 lux 5,277 fc	100,600 lux 9,340 fc

What's in the Box

Name	Qty
25° Narrow-Angle Reflector	1
50° Wide-Angle Reflector	1
20° Narrow-Angle Extension Reflector	1
Carrying Case	1

Product Description

The STORM XT52 Reflector Kit is a rental-ready reflector kit of 25° Narrow, 20° Narrow Extension, and 50° Wide Reflectors for the STORM XT52 packaged in a compact carrying case. This kit expands the beam angle options of the XT52, allowing users to obtain either an intense and narrow or a smooth and wide push of light.

Specifications

Beam Angle	Narrow Reflector	25°
	Narrow Reflector Extension	20°
	Wide Reflector	50°
Dimensions	Narrow Reflector	ø47.6 x 40.6cm ø18.7 x 16.0in
	Narrow Reflector Extension	ø53.0 x 29.7cm ø20.9 x 11.7in
	Wide Reflector	ø26.2 x 19.4cm ø10.3 x 7.6in
	Carrying Case	ø63.5 x 58.0cm ø25.0 x 22.8in
Weight	Narrow Reflector	2.71kg / 5.97lbs
	Narrow Reflector Extension	2.85kg / 6.28lbs
	Wide Reflector	0.90kg / 1.98lbs
	Carrying Case	6.80kg / 14.99lbs

Sales & Shipping Information

Product Name	STORM XT52 Reflector Kit
SKU	AA0706015G
UPC	6977162454412
Packing Dimensions	63.5 x 63.5 x 58.0cm 25.0 x 25.0 x 22.8in
Net Weight	6.50kg / 14.33lbs
Gross Weight	19.00kg / 41.89lbs
Carton Quantity	1 pc
Carton Dimensions	64.5 x 64.5 x 59.5cm 25.4 x 25.4 x 23.4in
Carton Weight	19.00kg / 41.89lbs