# Aputure®

# STORM XT52 Feature Sheet

## 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 |
| 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 46.0cm 31.9 x 18.59 x 18.1in | 81.5 x 62.0 x 50.0cm 32.1 x 24.4 x 19.6in |
| | Net Weight | 33.00kg / 72.75lbs | 20.00kg / 44.09lbs |
| | Gross Weight | 50.50kg / 111.33 lbs | 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 / 133.40lbx | 60.50kg / 133.40lbx |

## 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 (180V-240V) | | 5200W |
| Max LED Power Output (180V-240V) | | 4800W |
| AC Power Max Current | | 32A |
| Weather Resistance Rating | | IP65 |
| Native Beam Angle (No Reflector) | | 93° |
| Compatible Aputure Mount Reflectors | | 20°, 25°, 35°, 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 | ø33.0 x 30.7cm ø16.2 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



## 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.

## Photometrics

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

## Specifications

| | | |
|---|---|---|
| Beam Angle | Narrow Reflector | 25° |
| | Narrow Reflector Extension | 20° |
| | Wide Reflector | 50° |
| Dimensions | Narrow Reflector | ø47.6 x 40.6cm<br>ø18.7 x 16.0in |
| | Narrow Reflector Extension | ø53.0 x 29.7cm<br>ø20.9 x 11.7in |
| | Wide Reflector | ø26.2 x 19.4cm<br>ø10.3 x 7.6in |
| | Carrying Case | ø63.5 x 58cm<br>ø25.0 × 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 58cm<br>25.0 x 25.0 x 22.8in |
| Net Weight | 6.50kg / 14.33lbs |
| Gross Weight | 13.30kg / 29.32lbs |
| Carton Quantity | 1 pc |
| Carton Dimensions | 64.5 x 64.5 x 59.5cm<br>25.4 x 25.4 x 23.4in |
| Carton Weight | 19.00kg / 41.89lb |

## 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 |