

Aputure®

NOVA II 1x1 Data Book

Main Features

- 500W output LED panel light fixture
- BLAIR-CG chipset: Blue, Lime, Amber, Indigo, Red, Cyan, Green diodes
- Advanced white point control with green/magenta color correction ($\pm 100\%$ Full ASC MITC Range)
- CCT range of 1,800K-20,000K
- Bare bulb output: 13,300 lux @3m 5600K
- Included flat diffusion panel: 2,466 lux @3m 5600K
- Ultra-high color accuracy: CRI ≥ 96 , TLCI ≥ 96 , CQS [CIE D5600] ≥ 96 , SSI [P3200]: 90, SSI [CIE D5600]: 86, TM-30 Rf (avg) 95, TM-30 Rg (avg) 100
- New QuickClip direct front-mounting accessory ecosystem
- Features removable yoke for rigging flexibility
- High output to weight ratio: lamp head weight with yoke: 11.35 kg / 25.02 lbs
- IP65 weather resistance
- Pro control protocols: Sidus Link, Sidus Link Pro, DMX, CRMX, Art-Net/sACN
- 16-bit 5-Pin DMX512 in & out ports
- 2x locking Ethernet ports
- Smooth 0.1-100% stepless dimming
- Flicker-free at any framerate above 20% output, & up to 250FPS below 20%
- Dual output modes: Max and Constant
- Lead-follow and studio mode
- 4 fan modes: Smart, High, Medium, Silent (DMX controllable)
- 4 dimming curves: Linear, Exponential, Logarithmic, S-shaped
- 15 built-in light effects
- 10 savable presets
- Supports batch firmware upgrades of lamps through Sidus Link Pro/Sidus Link, USB drive, and DMX
- High-resolution rear color display panel clearly communicates fixture status and settings

Target Audience

The NOVA II 1x1 is designed for cinematographers, gaffers, and lighting technicians who need a compact, high-performance LED panel capable of delivering professional-grade results in any environment. Ideal for film, television, commercial, and broadcast productions, it provides the perfect balance of portability, precision, and power. It offers the same color accuracy and control as the larger NOVA II 2x1 in a smaller, more portable form factor. Its weather-sealed, IP65-rated design makes it suited for indoor studio setups as well as demanding exterior shoots. Its integration with Sidus Link®, DMX, CRMX, and Art-Net/sACN ensures seamless control across both single-fixture and large lighting networks. Whether used as a key, fill, or effects source, the NOVA II 1x1 empowers lighting professionals to achieve consistent, creative results with confidence and efficiency.

Sales & Shipping Information

Product Name	Aputure NOVA II 1x1	
	SKU	UPC
US Plug (No Case)	AP0400040B	00850065294742
EU Plug (No Case)	AP0401040D	6977162458908
AU Plug (No Case)	AP0403040E	6977162458915
UK Plug (No Case)	AP0404040F	6977162458922
JP Plug (No Case)	AP0402040G	6977162458939
CN Plug (No Case)	AP0405040A	6977162457987
Packing Dimensions	57.6 x 35.8 x 51.0 cm / 22.7 x 14.1 x 20.1 in	
Net Weight	13.30 kg / 29.32 lbs	
Gross Weight	19.20 kg / 42.33 lbs	
Carton Quantity	1 pc	
Carton Dimensions	57.6 x 35.8 x 51.0 cm / 22.7 x 14.1 x 20.1 in	
Carton Weight	19.20 kg / 42.33 lbs	



Product Description

The Aputure NOVA II 1x1 is a next-generation full-color LED panel designed to redefine what a compact professional lighting fixture can achieve. Building on the legacy of the Nova P300c, the NOVA II 1x1 delivers more than twice the diffused output and greater creative control than its predecessor, all within a rugged, IP65-rated housing engineered for the most demanding film, television, and broadcast environments.

At its core lies Aputure's advanced BLAIR-CG color engine, a seven-diode architecture combining Blue, Lime, Amber, Indigo, Red, Cyan, and Green emitters. This design achieves exceptional spectral accuracy and natural color reproduction across an expansive 1,800K–20,000K CCT range, with full ASC MITC $\pm 100\%$ green-magenta control. The result is a light that offers unmatched flexibility for fine-tuning white balance, matching practical sources, or achieving consistent skin tone reproduction in any lighting environment.

With a 500W output, the NOVA II 1x1 produces an impressive 13,300 lux at 3 meters (5600K, bare bulb), making it one of the brightest fixtures in its class. Even when paired with its included flat diffusion panel, it maintains smooth, even luminance and exceptional color fidelity, supported by industry-leading metrics: CRI/TLCI ≥ 96 , TM-30 Rf 95/Rg 100, and SSI scores of 90 (3200K) and 86 (5600K). This blend of power and precision allows lighting technicians to achieve both crisp key lighting and soft, flattering fill from a single, compact source.

Designed with versatility in mind, the NOVA II 1x1 introduces Aputure's QuickClip front-mounting accessory ecosystem, streamlining the process of attaching modifiers directly to the fixture without traditional slide-in frames. Its removable yoke and lightweight 11.35 kg (25.02 lb) body make it ideal for rigging on trusses, stands, or ceilings, while maintaining a balanced form factor optimized for travel and on-set flexibility.

Built for professional control and durability, the NOVA II 1x1 offers Sidus Link® and Sidus Link Pro® wireless operation, along with 16-bit DMX512, CRMX, and Art-Net/sACN. Whether used as a standalone key light or integrated into complex lighting networks, it ensures reliable communication and intuitive operation that meets the needs of modern productions.

With its compact size, robust output, and unmatched color accuracy, the NOVA II 1x1 stands as the definitive small-format panel for professionals seeking uncompromising performance and creative control in a portable, weather-sealed design.

Sales & Shipping Information

Product Name	Aputure NOVA II 1x1 Rolling Hard Case Kit	
	SKU	UPC
US Plug (With Case)	AP0400031F	00850065294568
EU Plug (With Case)	AP0401031G	6977162458052
AU Plug (With Case)	AP0403031H	6977162458069
UK Plug (With Case)	AP0404031K	697716245808
JP Plug (With Case)	AP0402031J	6977162458076
CN Plug (With Case)	AP0405031E	6977162458045
Packing Dimensions	69.0 x 38.5 x 67.9 cm / 27.2 x 15.2 x 26.7 in	
Net Weight	23.50 kg / 51.80 lbs	
Gross Weight	28.15 kg / 62.06 lbs	
Carton Quantity	1 pc	
Carton Dimensions	69.0 x 38.5 x 67.9 cm / 27.2 x 15.2 x 26.7 in	
Carton Weight	28.15 kg / 62.06 lbs	



NOVA II 1x1 Photometrics

CCT	Dis.	No Modifier	Flat Diffuser
1,800K	1m	51,600 lux 4,794 fc	9,710 lux 902 fc
	3m	6,320 lux 587 fc	1187 lux 110 fc
	5m	2,340 lux 217 fc	453 lux 42 fc
2,500K	1m	95,000 lux 8,826 fc	17,850 lux 1,658 fc
	3m	11,670 lux 1,084 fc	2,186 lux 203 fc
	5m	4,320 lux 401 fc	834 lux 77 fc
3,200K	1m	107,100 lux 9,950 fc	20,040 lux 1,862 fc
	3m	13,160 lux 1,223 fc	2,457 lux 228 fc
	5m	4,870 lux 452 fc	938 lux 87 fc
4,300K	1m	110,100 lux 10,228 fc	20,500 lux 1,904 fc
	3m	13,530 lux 1,257 fc	2,516 lux 234 fc
	5m	5,010 lux 465 fc	960 lux 89 fc
5,600K	1m	108,200 lux 10,052 fc	20,080 lux 1,865 fc
	3m	13,300 lux 1,236 fc	2,466 lux 229 fc
	5m	4,920 lux 457 fc	941 lux 87 fc
6,500K	1m	106,500 lux 9,894 fc	19,730 lux 1,833 fc
	3m	13,100 lux 1,217 fc	2,424 lux 225 fc
	5m	4,840 lux 450 fc	925 lux 86 fc
10,000K	1m	97,100 lux 9,021 fc	17,930 lux 1,666 fc
	3m	11,950 lux 1,110 fc	2,204 lux 205 fc
	5m	4,420 lux 411 fc	842 lux 78 fc
20,000K	1m	86,000 lux 7,990 fc	15,820 lux 1,470 fc
	3m	10,580 lux 983 fc	1,947 lux 181 fc
	5m	3,910 lux 363 fc	744 lux 69 fc

What's in the Box

Name	Qty
NOVA II 1x1 Lamp Head	1
NOVA 1x1 Removable Yoke with TV-MP Pin	1
NOVA 1x1 Flat Diffuser	1
AC Power Cable (6m)	1
Safety Chain (50cm)	1
NOVA 1x1 Rolling Hard Case (OPTIONAL)	1



NOVA II 1x1 Specifications

LED Chipset		BLAIR-CG
CCT Range		1,800K – 20,000K
CRI		≥96
TLCI		≥96
SSI (Tungsten)		90
SSI (D56)		86
TM-30 RF (Average)		95
TM-30 RG (Average)		100
Max Power Consumption		650W
Max Power Output		500W
Weather Resistance Rating		IP65
Native Beam Angle		35°
Included Flat Diffuser Beam Angle		95°
Pixel Count		1 pixel
AC Operating Voltage		100V ~ 240V / 50-60 Hz
Operating Temperature		-20°C ~ 50°C / -4°F ~ 122°F
Storage Temperature		-40°C ~ 80°C / -40°F ~ 176°F
Control Methods		On-board, Sidus Link, Sidus Link Pro, DMX512, CRMX, Art-Net/sACN, RDM
Control Ports		1x 5-pin DMX in, 1x 5-pin DMX out, 2x locking RJ45
Firmware Upgradeable		Sidus Link, Sidus Link Pro, USB-A
Wireless Range (Bluetooth & CRMX)		≤100m / ≤328.1ft
Cooling Method		Active (onboard fans)
Lamp Head Fan Noise Levels (at 1m)	Smart Mode	Variable
	High Speed Mode	40 dBA
	Medium Speed Mode	35 dBA
	Silent Mode	0 dBA
Weight	Lamp Head (Without Yoke)	9.55 kg / 21.05 lbs
	Removable Yoke with TV-MP Pin	1.80 kg / 3.97 lbs
	Flat Diffuser	1.35 kg / 2.98 lbs
	AC Power Cable (6m)	0.80 Kg / 1.76 lbs
	Rolling Hard Case (Optional)	11.05 kg / 24.36 lbs
Dimensions	Lamp Head (Without Yoke)	39.1 x 40.8 x 14.3 cm 15.4 x 16.0 x 5.6 in
	Lamp Head (With Yoke)	49.2 x 57.9 x 15.6 cm 19.4 x 22.8 x 6.1 in
	Flat Diffuser	38.5 x 39.5 x 3.9 cm 15.2 x 15.5 x 1.6 in
	Rolling Hard Case (Optional)	64.6 x 37.1 x 65.8 cm 25.4 x 14.6 x 25.9 in



NOVA II 1x1 Accessories

NOVA 1x1 Dome Diffuser (Light Frost)

Main Features

- Rigid dome diffuser for NOVA II 1x1
- Low-profile, rigid, and compact omnidirectional soft light modifier that reduces the overall footprint of the NOVA II 1x1 set up

What's in the Box

Name	Qty
NOVA 1x1 Dome Diffuser (Light Frost)	1
Safety Chain (50cm)	1

Photometrics

CCT	Dis.	With NOVA II 1x1
1,800K	1m	10,130 lux 1,013 fc
	3m	1,193 lux 111 fc
	5m	449 lux 42 fc
2,500K	1m	18,560 lux 1,724 fc
	3m	2,187 lux 203 fc
	5m	827 lux 77 fc
3,200K	1m	20,820 lux 1,934 fc
	3m	2,455 lux 228 fc
	5m	925 lux 86 fc
4,300K	1m	21,280 lux 1,977 fc
	3m	2,510 lux 233 fc
	5m	946 lux 88 fc
5,600K	1m	20,820 lux 1,934 fc
	3m	2,459 lux 228 fc
	5m	926 lux 86 fc
6,500K	1m	20,450 lux 1,900 fc
	3m	2,416 lux 224 fc
	5m	910 lux 85 fc
10,000K	1m	18,580 lux 1,726 fc
	3m	2,196 lux 204 fc
	5m	827 lux 77 fc
20,000K	1m	16,390 lux 1,523 fc
	3m	1,938 lux 180 fc
	5m	730 lux 68 fc



Product Description

The NOVA 1x1 Dome Diffuser (Light Frost) transforms the NOVA II 1x1's native hard light output into a semi-soft source. Compared to the NOVA 1x1 Flat Diffuser, the NOVA 1x1 Dome Diffuser (Light Frost) allows for slightly more spill, which creates naturalistic light that wraps around subjects with gentle roll off at the edges of its beam, perfect for talent keying or ambient fill.

Specifications

Beam Angle	95°
Dimensions	38.6 x 39.5 x 8.3 cm 15.2 x 15.5 x 3.3 in
Weight	1.50 kg / 3.31 lbs



Sales & Shipping Information

Product Name	NOVA 1x1 Dome Diffuser (Light Frost)
SKU	AA04060473
UPC	6978714711175
Packing Dimensions	38.6 x 39.5 x 8.3 cm 15.2 x 15.5 x 3.3 in
Net Weight	1.50 kg / 3.31 lbs
Gross Weight	2.361kg / 5.205 lbs
Carton Quantity	4 pcs
Carton Dimensions	51.5 x 48.5 x 51.0 cm 20.28 x 19.1 x 20.1 in
Carton Weight	11.594kg / 25.56lbs



NOVA II 1x1 Accessories

NOVA 1x1 Dome Diffuser (Heavy Frost)

Main Features

- Rigid dome diffuser with heavy frost for NOVA II 1x1
- Low-profile, rigid, and compact omnidirectional soft light modifier that reduces the overall footprint of the NOVA II 1x1 set up

What's in the Box

Name	Qty
NOVA 1x1 Dome Diffuser (Heavy Frost)	1
Safety Chain (50cm)	1

Photometrics

CCT	Dis.	With NOVA II 1x1
1,800K	1m	5,440 lux 505 fc
	3m	663 lux 62 fc
	5m	250 lux 23 fc
2,500K	1m	10,010 lux 930 fc
	3m	1,220 lux 113 fc
	5m	460 lux 43 fc
3,200K	1m	11,250 lux 1,045 fc
	3m	1,372 lux 127 fc
	5m	517 lux 48 fc
4,300K	1m	11,530 lux 1,071 fc
	3m	1,407 lux 131 fc
	5m	530 lux 49 fc
5,600K	1m	11,300 lux 1,050 fc
	3m	1,380 lux 128 fc
	5m	520 lux 48 fc
6,500K	1m	11,110 lux 1,032 fc
	3m	1,358 lux 126 fc
	5m	511 lux 47 fc
10,000K	1m	10,110 lux 939 fc
	3m	1,236 lux 115 fc
	5m	466 lux 43 fc
20,000K	1m	8,940 lux 831 fc
	3m	1,096 lux 102 fc
	5m	412 lux 38 fc



Product Description

The NOVA 1x1 Dome Diffuser (Heavy Frost) transforms the NOVA II 1x1's native hard light output into a very soft source. This creates naturalistic light that wraps around subjects, perfect for talent keying or ambient fill. Lightweight and simple to mount, the NOVA 1x1 Dome Diffuser delivers broad output coverage similar to a skirted lantern, while reducing the footprint of the overall fixture.

Specifications

Beam Angle	100°
Dimensions	38.6 x 39.5 x 8.3 cm 15.2 x 15.5 x 3.3 in
Weight	1.50 kg / 3.31 lbs



Sales & Shipping Information

Product Name	NOVA 1x1 Dome Diffuser (Heavy Frost)
SKU	AA04060448
UPC	6978714710338
Packing Dimensions	38.6 x 39.5 x 8.3 cm 15.2 x 15.5 x 3.3 in
Net Weight	1.50 kg / 3.31 lbs
Gross Weight	2.361kg / 5.205 lbs
Carton Quantity	4 pcs
Carton Dimensions	51.5 x 48.5 x 51.0 cm 20.28 x 19.1 x 20.1 in
Carton Weight	11.594kg / 25.56lbs



NOVA II 1x1 Accessories

NOVA 1x1 Softbox

Main Features

- Square 60x60cm softbox for NOVA II 1x1
- High-reflectivity silver inner lining for maximizing light output
- Fast deployment and tear down
- 1-stop & 2-stop diffusion cloths included
- 45° fabric light control grid included
- Soft carrying bag included

Product Description

The NOVA 1x1 Softbox is a soft light modifier designed to soften the hard light output of the Aputure NOVA II 1x1. Featuring both 1-stop and 2-stop diffusion cloths, it allows users to fine-tune diffusion quality with ease, while the included fabric light control grid narrows beam spread for greater directionality. Engineered for quick setup and durability, the NOVA 1x1 Softbox is an essential tool for cinematographers and gaffers seeking to shape high-output panel light with precision on set.

Specifications

Dimensions	Open	62.5 x 62.0 x 27.0 cm 24.6 x 24.4 x 10.6 in
	Collapsed	61.0 x 30.0 x 3.0 cm 24.0 x 11.8 x 1.2 in
	Carrying Bag	66.7 x 39.5 cm 26.3 x 15.6 in
Weight	Softbox (No Diffusion)	0.51 kg / 1.13 lbs
	1-Stop Diffusion	34.20 g / 0.08 lbs
	2-Stop Diffusion	44.50 g / 0.10 lbs
	Light Control Grid	0.41 kg / 0.90 lbs
	Carrying Bag	0.15 kg / 0.33 lbs

Sales & Shipping Information

Product Name	NOVA 1x1 Softbox
SKU	AA0406031X
UPC	6977162458199
Packing Dimensions	61.4 x 33.4 x 10.0 cm 24.21 x 13.15 x 3.94 in
Net Weight	1.24 kg / 2.73 lbs
Gross Weight	1.69 kg / 3.73 lbs
Carton Quantity	3 pcs
Carton Dimensions	66.2 x 38.0 x 35.0 cm / 26.1 x 15.0 x 13.8 in
Carton Weight	6.189kg / 13.644 lbs



Photometrics

OCT	Dis	1-Stop Diffusion	1-Stop Diffusion w/ Grid	2-Stop Diffusion	2-Stop Diffusion w/ Grid
1,800K	1m	10,150 lux 943 fc	7,400 lux 687 fc	8,420 lux 782 fc	6,100 lux 567 fc
	3m	1,046 lux 97 fc	870 lux 81 fc	843 lux 78 fc	689 lux 64 fc
	5m	388 lux 36 fc	317 lux 29 fc	309 lux 29 fc	234 lux 22 fc
2,500K	1m	18,730 lux 1,740 fc	13,630 lux 1,266 fc	15,540 lux 1,444 fc	11,280 lux 1,048 fc
	3m	1,928 lux 179 fc	1,603 lux 149 fc	1,556 lux 145 fc	1,270 lux 118 fc
	5m	715 lux 66 fc	584 lux 54 fc	569 lux 53 fc	431 lux 40 fc
3,200K	1m	21,070 lux 1,957 fc	15,320 lux 1,423 fc	17,470 lux 1,623 fc	12,680 lux 1,178 fc
	3m	2,169 lux 202 fc	1,804 lux 168 fc	1,750 lux 163 fc	1,427 lux 133 fc
	5m	804 lux 75 fc	657 lux 61 fc	640 lux 59 fc	485 lux 45 fc
4,300K	1m	21,600 lux 2,007 fc	15,680 lux 1,457 fc	17,900 lux 1,663 fc	13,000 lux 1,208 fc
	3m	2,223 lux 207 fc	1,848 lux 172 fc	1,792 lux 166 fc	1,463 lux 136 fc
	5m	824 lux 77 fc	673 lux 63 fc	657 lux 61 fc	496 lux 46 fc
5,600K	1m	21,180 lux 1,968 fc	15,370 lux 1,428 fc	17,540 lux 1,630 fc	12,740 lux 1,184 fc
	3m	2,180 lux 203 fc	1,811 lux 168 fc	1,757 lux 163 fc	1,434 lux 133 fc
	5m	808 lux 75 fc	660 lux 61 fc	644 lux 60 fc	487 lux 45 fc
6,500K	1m	20,820 lux 1,934 fc	15,100 lux 1,403 fc	17,250 lux 1,603 fc	12,530 lux 1,164 fc
	3m	2,144 lux 199 fc	1,781 lux 165 fc	1,727 lux 160 fc	1,410 lux 131 fc
	5m	795 lux 74 fc	648 lux 60 fc	633 lux 59 fc	478 lux 44 fc
10,000K	1m	18,950 lux 1,760 fc	13,730 lux 1,276 fc	15,690 lux 1,458 fc	11,400 lux 1,059 fc
	3m	1,950 lux 181 fc	1,619 lux 150 fc	1,571 lux 146 fc	1,282 lux 119 fc
	5m	723 lux 67 fc	589 lux 55 fc	576 lux 54 fc	435 lux 40 fc
20,000K	1m	16,760 lux 1,557 fc	12,110 lux 1,125 fc	13,850 lux 1,287 fc	10,050 lux 934 fc
	3m	1,723 lux 160 fc	1,430 lux 133 fc	1,387 lux 129 fc	1,133 lux 105 fc
	5m	639 lux 59 fc	521 lux 48 fc	508 lux 47 fc	384 lux 36 fc

What's in the Box

Name	Qty
NOVA 1x1 Softbox	1
1-Stop Diffusion Cloth	1
2-Stop Diffusion Cloth	1
NOVA Fabric Control Grid 2x2	1
Carrying Bag	1



NOVA II 1x1 Accessories

NOVA 1x1 Barn Doors

Product Description

The NOVA 1x1 Barn Doors is a light shaping modifier that attaches seamlessly to the fixture's front accessory slot. These Barn Doors give gaffers precise control over beam spill and directionality of their NOVA 1x1. Built with rugged metal flags, they allow for quick, reliable shaping of the NOVA II 1x1's hard light output.

What's in the Box

Name	Qty
NOVA 1x1 Barn Doors	1
Safety Chain (50cm)	1

NOVA 1x1 Rolling Hard Case

Product Description

The NOVA 1x1 Rolling Hard Case is a protective transport solution designed to safeguard the NOVA 1x1 along with its included accessories while users are on the move. Outfitted with custom foam inserts and durable wheels, it ensures the NOVA II 1x1 ecosystem travels safely and efficiently between sets and storage.

What's in the Box

Name	Qty
NOVA 1x1 Rolling Hard Case	1

NOVA 1x1 Fabric Control Grid

Product Description

The NOVA 1x1 Fabric Control Grid is a light control modifier that slips onto the front of the NOVA 1x1 that reduces off-axis spill from the fixture. By reducing the native beam angle of the NOVA II 1x1, the Fabric Control Grid allows users to shape their light output into a more directional source of light without drastically increasing the footprint of their fixture setup.

What's in the Box

Name	Qty
NOVA 1x1 Fabric Control Grid	1



Sales & Shipping Information

Product Name	NOVA 1x1 Barn Doors
SKU	AAO4060320
UPC	6978714711175
Packing Dimensions	41.0 x 38.4 x 4.2 cm / 16.1 x 15.1 x 1.7 in
Net Weight	2.20 kg / 4.85 lbs
Gross Weight	3.43 kg / 7.56 lbs
Carton Quantity	4 pcs
Carton Dimensions	51.5 x 48.5 x 51.0 cm / 20.3 x 19.1 x 20.1 in
Carton Weight	15.87 kg / 35.00 lbs



Sales & Shipping Information

Product Name	NOVA 1x1 Rolling Hard Case
SKU	AAO4060323
UPC	6977162458243
Packing Dimensions	64.6 x 37.1 x 65.8 cm / 25.4 x 14.6 x 25.9 in
Net Weight	12.45 kg / 27.45 lbs
Gross Weight	28.15 kg / 62.06 lbs
Carton Quantity	1 pc
Carton Dimensions	69.0 x 38.5 x 67.9 cm / 27.2 x 15.2 x 26.7 in
Carton Weight	4.65kg / 10.25lbs



Sales & Shipping Information

Product Name	NOVA 1x1 Fabric Control Grid
SKU	AAO4060449
UPC	6978714710345
Packing Dimensions	42.5 x 15.3 x 6.8 cm ≈ 16.7 x 6.0 x 2.7 in
Net Weight	0.36 kg / 0.80 lbs
Gross Weight	0.52 kg / 1.16 lbs
Carton Quantity	9 pcs
Carton Dimensions	46.5 x 21.5 x 45.0 cm / 18.4 x 8.5 x 17.7 in
Carton Weight	5.42 kg / 11.94 lbs