

SUPERNOVA LT

Outdoor Moving Profile — Ultimate Long-Throw Power

SPEC SHEET



Foshan YiFeng Electric Industrial Co.,Ltd.

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FIXTURE OVERVIEW

- As a revolutionary evolution of the SUPERNOVA, the all-new ACME **SUPERNOVA LT** is the first long-throw luminaire in ACME range. It delivers unmatched brightness, ultra-intense beams, and a larger lens, setting a new standard in high performance lighting.
- Equipped with an industry-leading 1,800W LED engine, the **SUPERNOVA LT** delivers a jaw-dropping 70,000 lumens of output with even beam distribution. The fixture develops an ultra-large 245 mm frontal lens, bringing high impact visuals to any production. Its advanced optical system is designed to meet any creative needs. With three switchable zoom modes, it offers designers complete flexibility from wide coverage to extreme long-throw precision. In standard optical zoom mode, the fixture is capable of 3.6° to 52.5° coverage. While using the beam reducer, it can narrow the coverage for 1.9° to 25°. In the long-throw mode (using iris), it delivers an ultra-tight 0.9° to 5° beam with crisp, precise beams.
- The **SUPERNOVA LT** elevates every scene with a variable CTO, allowing color temperature adjustment from 2,700K to 6,700K, seamlessly shifting from warm tones to crisp daylight balance. A high CRI mode (Ra≥95) ensures natural, accurate color reproduction, bringing out every detail with stunning clarity. To unlock limitless color possibilities, the fixture combines a CMY color mixing system for smooth transitions, with dual color wheels for rich, vibrant hues.
- Take creativity to the next level. The **SUPERNOVA LT** is packed with effects to inspire designers. It features dual rotating gobo wheels and an animation wheel capable of both horizontal and vertical movement. These rotating gobos can be paired with two rotating prisms—a 4-facet circular prism and a 4-facet linear prism—to create dynamic, multi-layered lighting effects. Its combinable light and medium frost filters soften beam edges for smooth, even washes, creating magical effects across the stage. Featuring a ±60° rotating framing module with four independent shutter blades, the fixture enables precise beam shaping, fast positioning, and instant full black-out, adding visual depth and dramatic impact to any stage.
- Engineered for reliable long-term outdoor performance, the IP66-rated **SUPERNOVA LT** features a sunlight protection mode accessible via the menu. When this mode is enabled, the fixture automatically adjusts its head direction upon power-off, shielding the optics from direct sunlight—even without signal control.
- The **SUPERNOVA LT** supports an optional camera enclosure, designed for integration with third-party remote follow spot systems. With the optional follow spot kit—including a follow spot handle and control pad—users can manually control the light, dimming levels, and color temperature, recreating the experience of a traditional follow spot.
- Redefining performance, optical excellence, and output—the **SUPERNOVA LT** stands as the ultimate large-format lighting solution. Engineered for professionals who demand the best, it dominates any high-impact lighting application.



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FEATURE HIGHLIGHTS

- LED engine comprised of 1,800W LED engine
- 245 mm diameter frontal lens
- Zoom Range:
Standard Optical Zoom: 3.6°-52.5°
Using Beam Reducer: 1.9°- 25°
Long-Throw Mode(Using Iris): 0.9° - 5°
- Fixture Luminous Output:
Standard Mode: 70,000 lumens
Quiet Mode: 51,000 lumens
Theater Mode: 37,100 lumens
- Color Temperature Output of Fixture: 6,700K (native)
- Standard Mode: Ra≥70, HCRI Mode: Ra≥95
- Linear CMY color mixing
- Variable CTO ranging from 2,700K-6,700K
- 2 Rotating Gobo Wheels:
Rotating Gobo Wheel 1: 5 gobos + 1 beam reducer, plus open
Rotating Gobo Wheel 2: 6 gobos, plus open
- 2 Color Wheels:
Color Wheel 1: 5 colors, plus open
Color Wheel 2: 3 colors + CRI, plus open
- 1 graphic animation wheel with continuous rotation in both directions, offering excellent vertical and horizontal movement
- 2 combinable rotating and indexable prisms
- 1 combinable light frost filter and 1 combinable medium frost filter
- 4 rotating full blackout framing shutter blades with individually controllable; ±60° rotation of the framing system module
- Outstanding strobe effect with variable speed
- Smooth dimming 0-100% (4 user selectable dimming curves)
- IP66 rated

TECHNICAL SPECIFICATIONS

Model

- Model Name: SUPERNOVA LT
- Model Code: XA 2000 BSWF IP LT

Light Source

- Light Source: 1,800W LED engine
- Color Temperature Output of Fixture: 6,700K (native)
- Life Expectancy: 20,000 hours*
- *Source manufacturer specification

Photometric Data

- Light Engine Luminous Output: 120,000 lumens
- Fixture Luminous Output:
Standard Mode: 70,000 lumens
Quiet Mode: 51,000 lumens
Theater Mode: 37,100 lumens
- CCT: 6,700K (+/- 200K)
- Standard Mode: Ra≥70, HCRI Mode: Ra≥95

- TM-30 Rf (IES TM-30-15 Fidelity Index): 73
- TM-30 Rg (IES TM-30-15 Fidelity Index): 93
- TLCI: 47
- CQS: 74
- Peak Luminous Intensity: 7,720,000 cd

Optical System

- Zoom Range:
Standard Optical Zoom: 3.6°-52.5°
Using Beam Reducer: 1.9°- 25°
Long-Throw Mode(Using Iris): 0.9° - 5°
- Diameter of Frontal Lens: 245 mm

Control & Program

- 4 touch button control panel
- Display: LCD display
- Protocols: DMX512, RDM, Art-Net, sACN,NFC
- DMX Protocol Modes: 4

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TECHNICAL SPECIFICATIONS

- Control Channels: 23/32/34/43
- Firmware Upgrade: Upgrade via DMX link or USB stick

Pan & Tilt

- Pan: 540°
- Tilt: 246°
- Automatic Pan/Tilt position correction
- Resolution: 16 bit
- Pan/Tilt lock

Color Mixing

- Linear CMY color mixing

Color Correction

- Linear CTO Color Correction: 2,700K-6,700K

Color Wheel

- 2 Color Wheels:
 - Color Wheel 1: 5 colors, plus open
 - Color Wheel 2: 3 colors + CRI, plus open

Rotating Gobo Wheel

- 2 Rotating Gobo Wheels:
 - Rotating Gobo Wheel 1: 5 gobos + 1 beam reducer, plus open
 - Gobo Diameter 1: 34 mm,
 - Image Diameter 1: 26.5 mm
 - Rotating Gobo Wheel 2: 6 gobos, plus open
 - Gobo Diameter 2: 34 mm,
 - Image Diameter 2: 26.5 mm
- Coating: Black coating
- Material: Borofloat

Gobo Animation

- A graphic animation wheel with continuous rotation in both directions, offering excellent vertical and horizontal movement. It can be used alone or in combination with gobos to create water and flame effects

Framing

- Shutter Blades: 4 blades, each with separate movement and full blackout
- Rotation: $\pm 60^\circ$ of the complete framing system

Iris

- Motorized linear Iris

Frost

- 1 combinable light frost filter and 1 combinable medium frost filter

Prism

- 2 Combinable Rotating and Indexable Prisms:
 - 1 x 4-facet circular prism, 1 x 4-facet linear prism, rotatable in both directions

Electrical

- Input Voltage Range: 180-240Vac; 50/60Hz
- Power Consumption: 2,200W
- Power In/Out: Waterproof power connector in/out
- Data In/Out: 3-pin or 5-pin waterproof XLR, RJ45 connector

Physical

- Weight: 63.8 kg (140.7 lbs)
- Length (Head): 701 mm (27.6")
- Length (Base): 465 mm (18.3")
- Width (Across Yoke): 544 mm (21.4")
- Height (Head Up): 893 mm (18.3")

Construction

- Housing: Aluminum-magnesium alloy and nylon
- Color: Black
- Protection Rating: IP66

Work Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -20°C
- Maximum Surface Temperature: 80°C

Acoustic Data

- Standard Mode: Noise Level: 51.6 dB(A)
- Quiet Mode: Noise Level: 46.4 dB(A)
- Theater Mode: Noise Level: 43.1 dB(A)

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TECHNICAL SPECIFICATIONS

Installation

- Vertical mounting
- 2 omega brackets
- Safety cable attachment point

Approvals

- CE compliant
EMC directive 2014/30/EU
LVD directive 2014/35/EU
- cETLus compliant
UL 1573
CSA C22.2 #166
- UKCA compliant
Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016



INCLUDED ITEMS

Included Items

- QR code on fixture to receive digital user manual
- Power cable
- 2 omega brackets (3002003003)

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ORDERING INFORMATION

Optional Accessories (With Order Code)

- Flight Case:
 - Standard: One-pack loader case (63584312)
 - North American Standard: TBD
- SUPERNOVA LT Camera Enclosure: 63584479
- SUPERNOVA LT Follow Spot Kit: 63584190
- SUPERNOVA LT Follow Spot Handle Only: 63584218
- SUPERNOVA LT Follow Spot Control Pad Only: 63584219
- Signal Cable:
 - 3-pin waterproof signal cable (3017013468) or
 - 5-pin waterproof signal cable (3017013473)
- Safety Cable: SW-05 (2060001603-E)
- Clamp: C-250B (2060001632-B)

Carton Dimensions

- Width: 830 mm (32.6")
- Depth: 575 mm (22.6")
- Height: 805 mm (31.7")
- Weight:
 - G.W.: 70.5 kg(155.4lbs)(one-pack loader carton)



3-pin/5-pin waterproof
signal cable: 3017013468/3017013473



SW-05: 2060001603-E



C-250B: 2060001632-B



SUPERNOVA LT Camera
Enclosure: 63584479



SUPERNOVA LT Follow
Spot Kit: 63584190



SUPERNOVA LT Follow Spot
Handle Only: 63584218



SUPERNOVA LT Follow Spot
Control Pad Only: 63584219



Standard (One-pack loader
case): 63584312

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(STANDARD) FLIGHT CASE

APPLICABLE MODELS

- SUPERNOVA LT (XA 2000 BSWF IP LT)

ORDER CODE

- 63584312 SUPERNOVA LT (XA 2000 BSWF IP LT)

CASE WEIGHT

- 77 kg (169.8 lbs)

MEAS

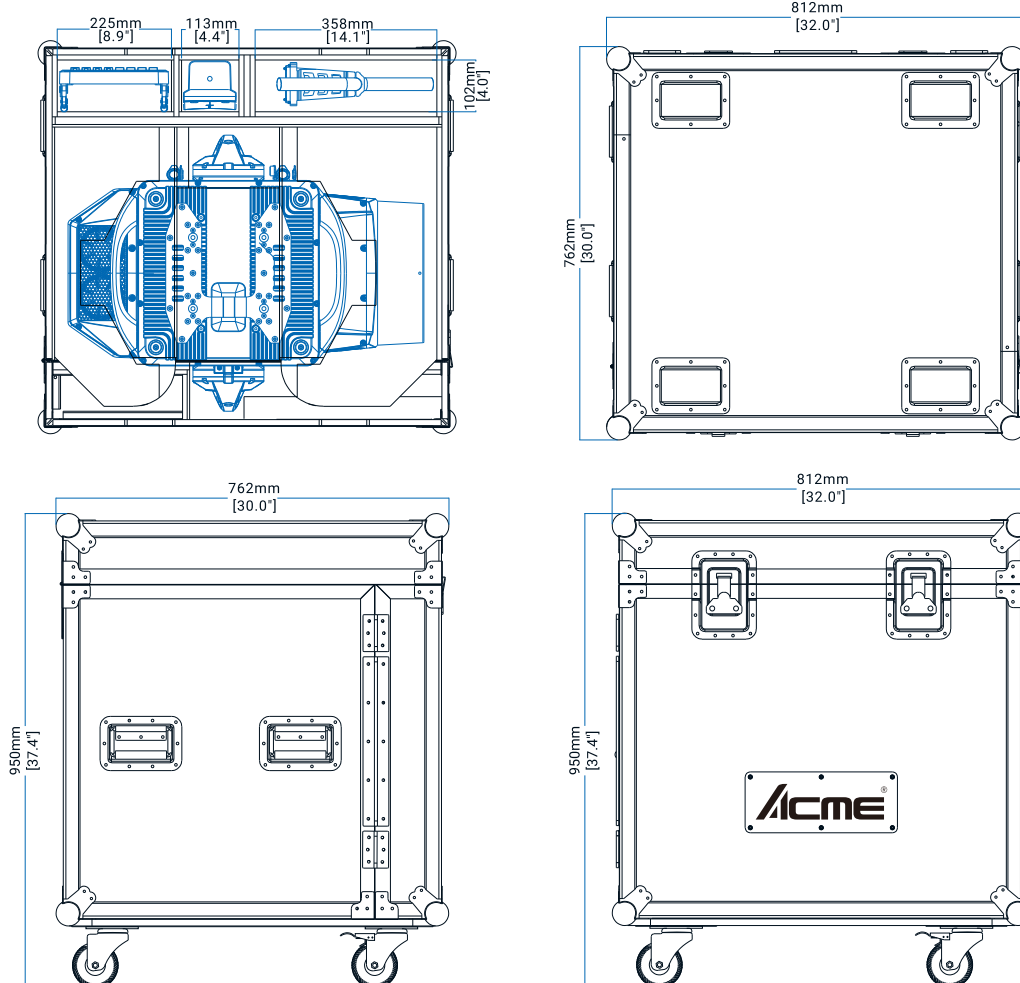
- 812 x 762 x 950 mm (32.0" x 30.0" x 37.4")

LOADING Q'TY

- One-pack loader case

MAXIMUM STACKING

- 2 stacks



ACASE by ACME Version: 20251222-A

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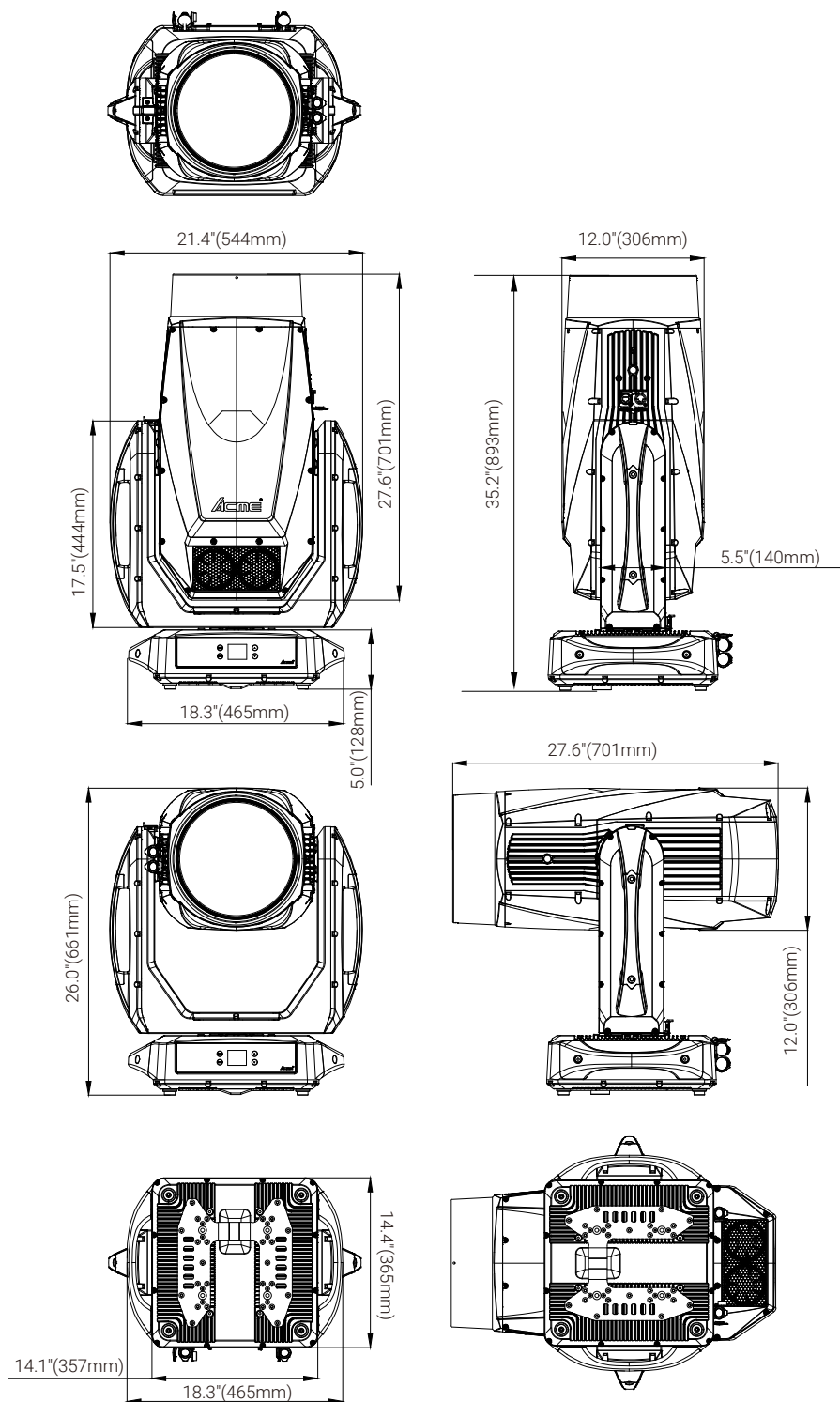
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DIMENSIONS



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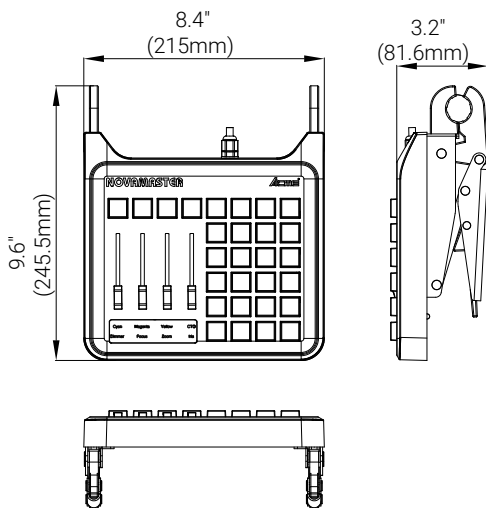
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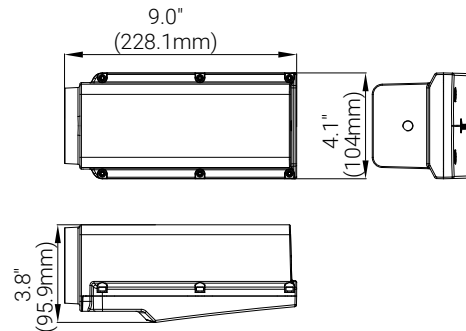
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DIMENSIONS

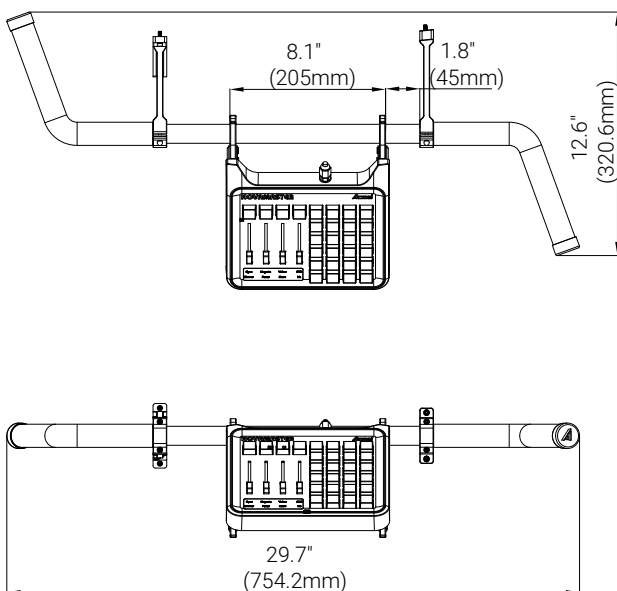
SUPERNOVA LT Follow Spot Control Pad Only
Weight: 1.1 kg (2.4 lbs)



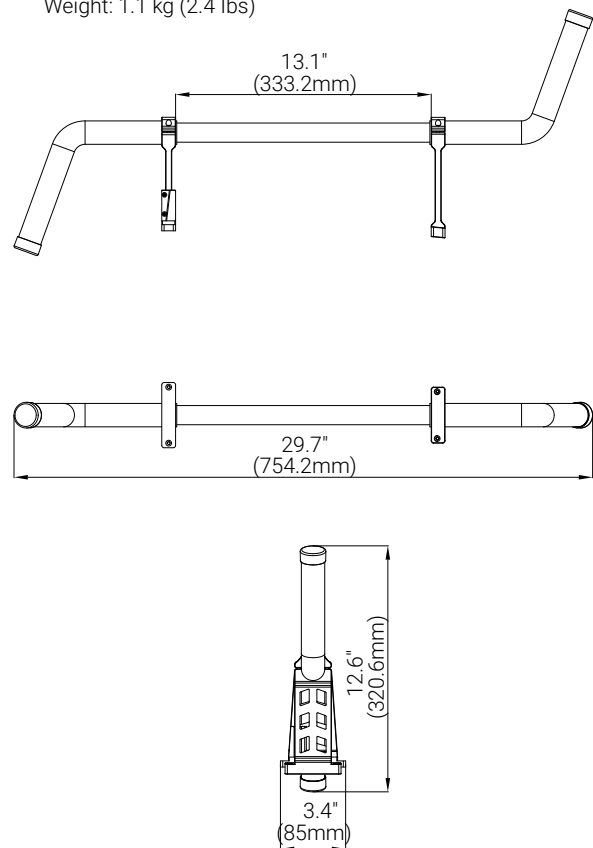
SUPERNOVA LT Camera Enclosure
Weight: 0.7 kg (1.5 lbs)



SUPERNOVA LT Follow Spot Kit
Weight: 2.2kg (4.8 lbs)



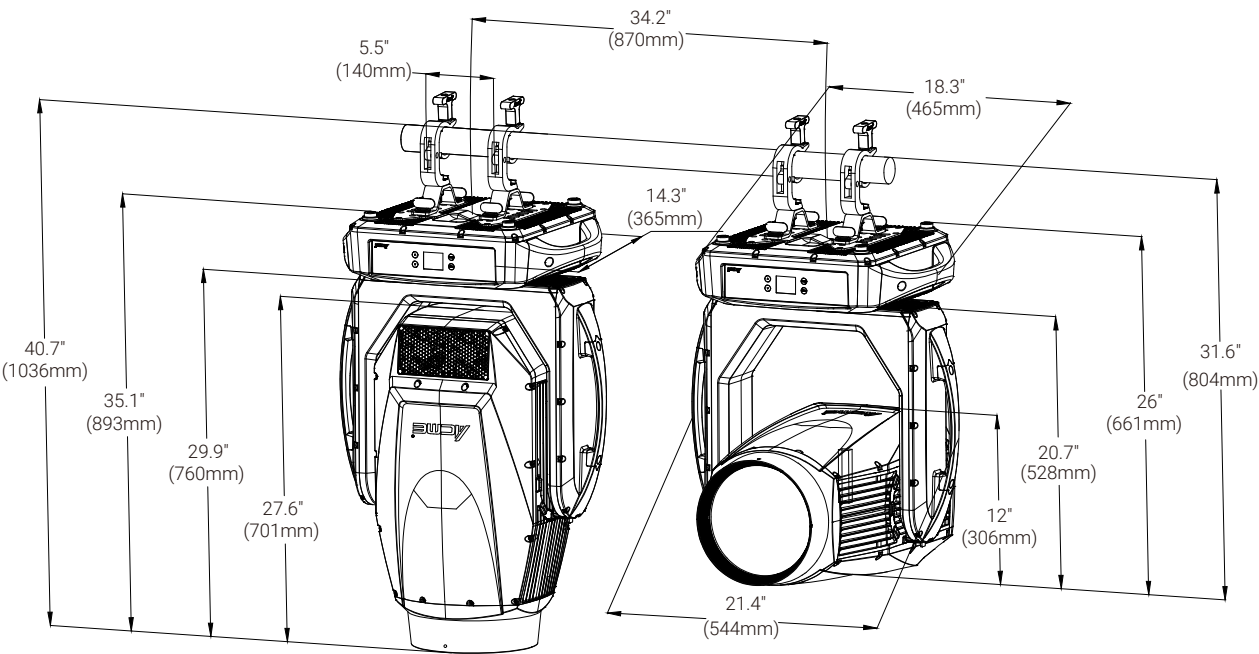
SUPERNOVA LT Follow Spot Handle Only
Weight: 1.1 kg (2.4 lbs)



SUPERNOVA LT

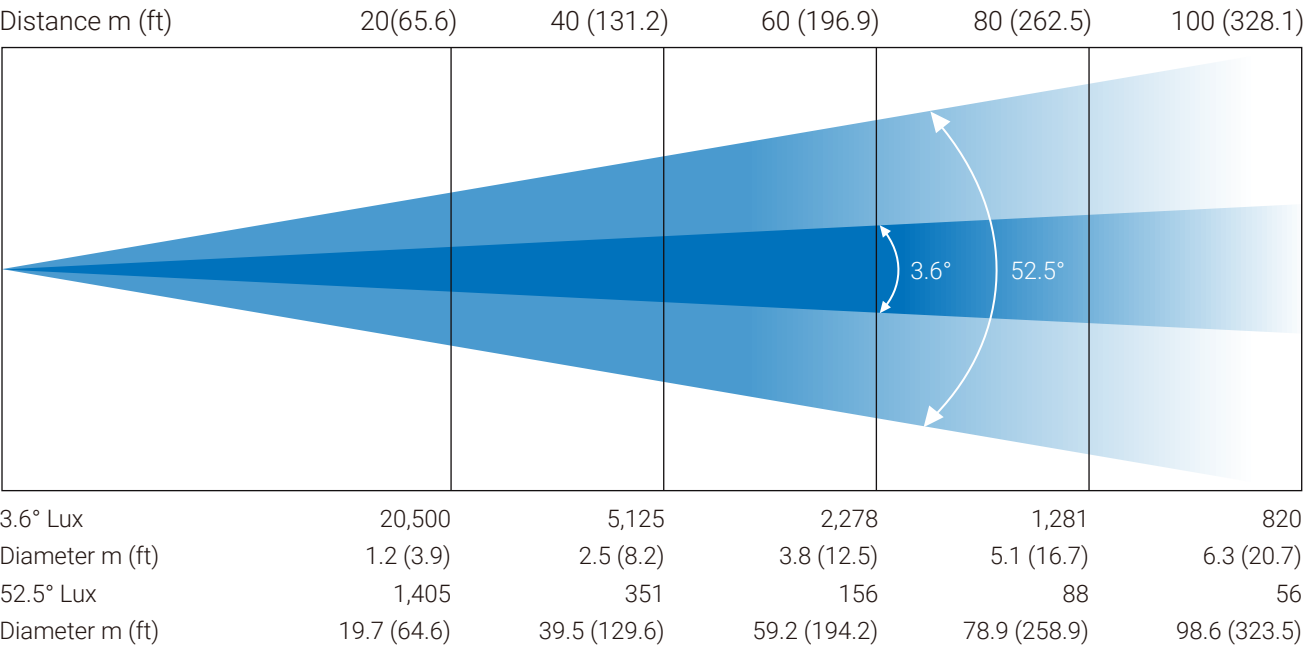
Outdoor Moving Profile – Ultimate Long-Throw Power **SPEC SHEET**

HANGING DIMENSIONS



PHOTOMETRIC

Standard Mode



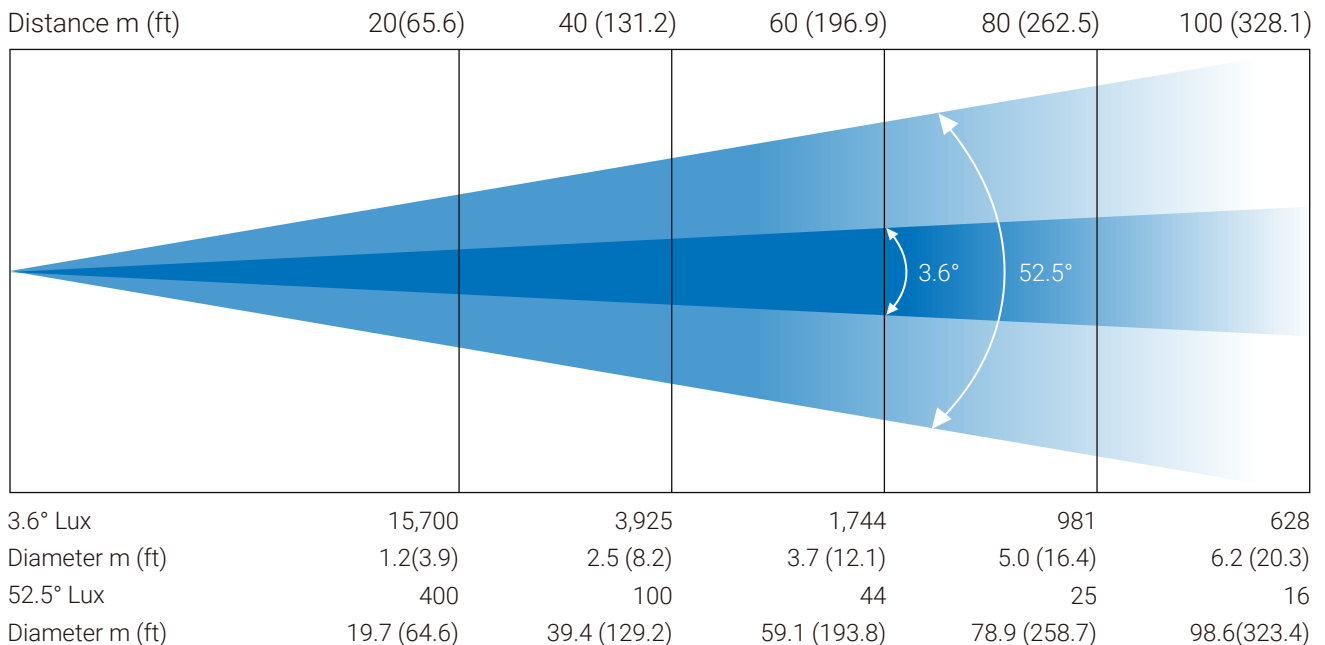
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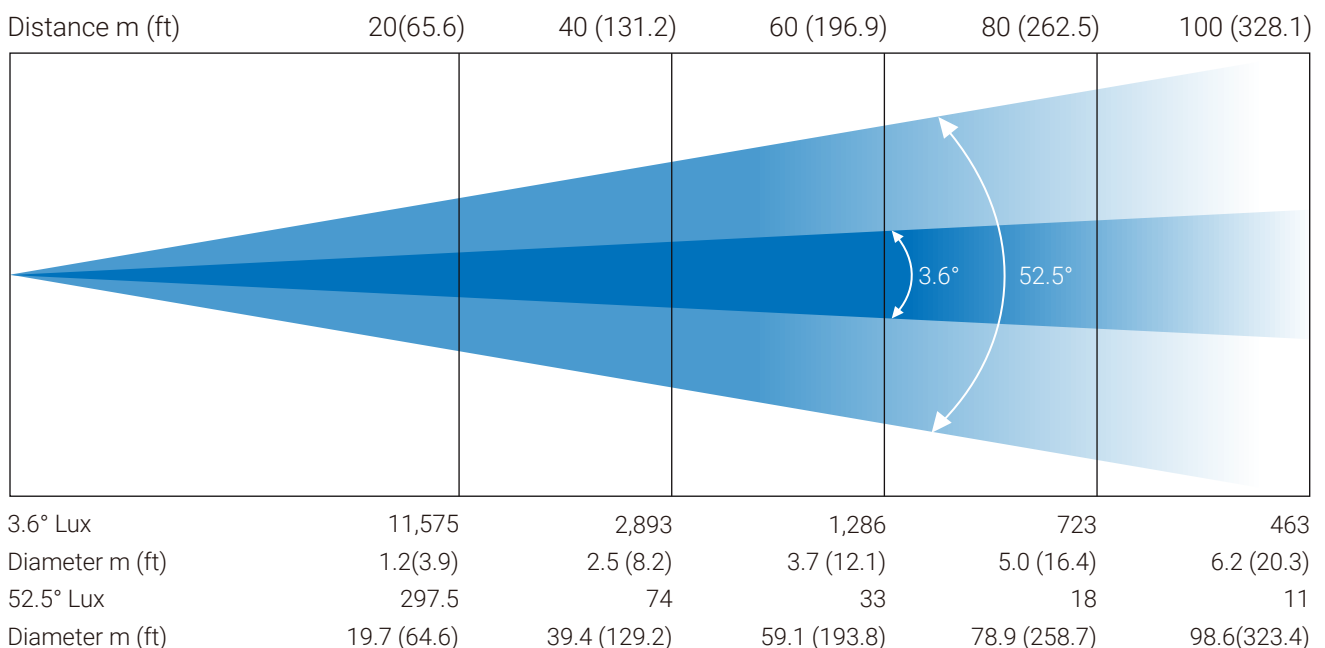
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PHOTOMETRIC

Quiet Mode



Theater Mode



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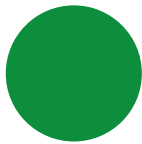
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DYNAMIC EFFECTS

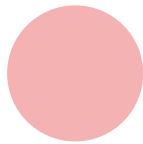
Color Wheel 1



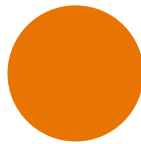
Red
Slot 1



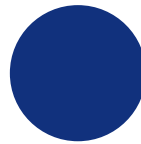
Green
Slot 2



Pink
Slot 3

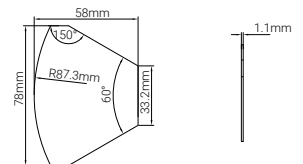


Orange
Slot 4



Blue
Slot 5

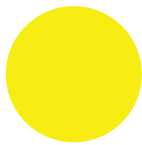
› Dimension:



Color Wheel 2



CTB
Slot 1



Yellow
Slot 2

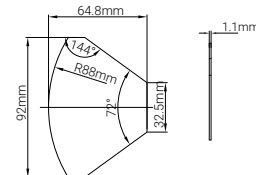


UV
Slot 3

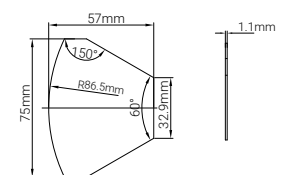


CRI
Slot 4

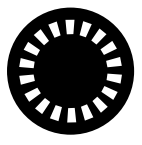
› Slot 1 Dimension:



› Slot 2-4 Dimension:



Rotating Gobo Wheel 1



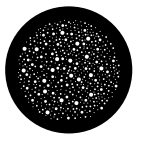
Slot 1



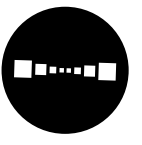
Slot 2



Slot 3



Slot 4

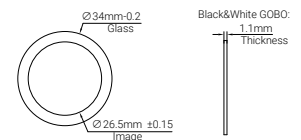


Slot 5



Beam Reducer

› Dimension:



› Material: Borofloat Glass

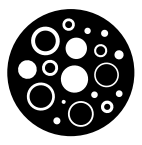
Rotating Gobo Wheel 2



Slot 1



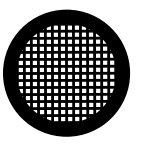
Slot 2



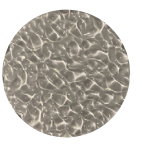
Slot 3



Slot 4

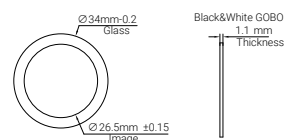


Slot 5



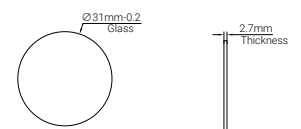
Slot 6

› Slot 1-5 Dimension:



› Material: Borofloat Glass

› Slot 6 Dimension:



› Material: Borosilicate Glass

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DYNAMIC EFFECTS

Linear CMY Color Mixing



Linear CTO Color Correction

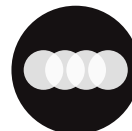


2,700K-6,700K

Prisms/Frost Filter



1 x 4-Facet Circular Prism



1 x 4-Facet Linear Prism

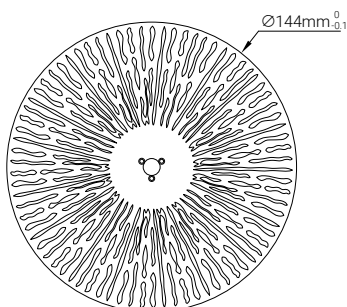


1 Light Frost Filter



1 Medium Frost Filter

Animation Wheel



Framing/Iris



Framing Module



Linear Iris

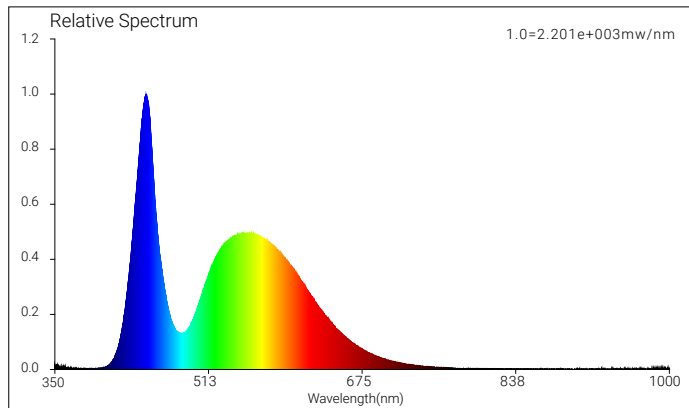
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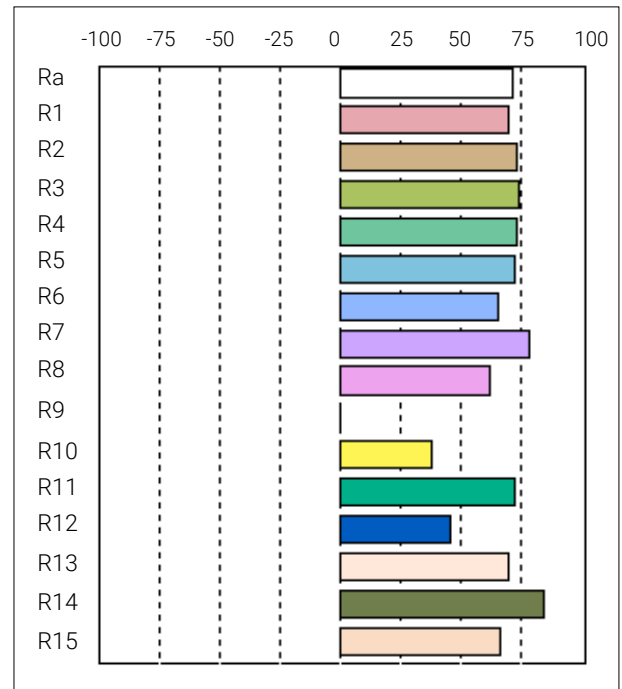
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PHOTOMETRIC REPORT — CHROMATICITY

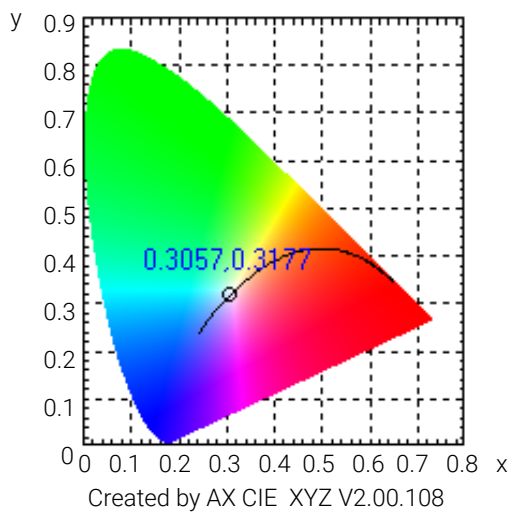
Spectral Distribution



CRI: 72.5(R1-R8)



CIE 1931 EVERFINE



CRI C Values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
71.5	75.0	75.5	74.8	73.4	67.0	80.1	63.0	0.0	38.9	73.5	46.7	71.1	86.1	67.3	72.5

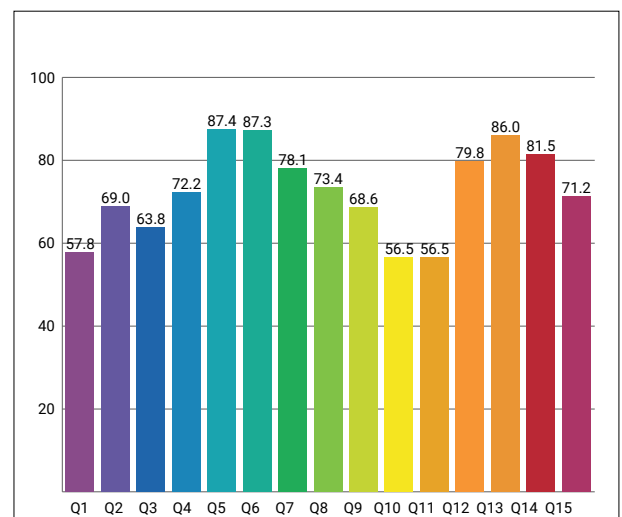
TM30 R Values

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
70.1	73.2	74.3	73.4	72.2	65.5	78.3	61.2	0.0	33.6	72.9	43.7	69.4	85.5	65.1

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
56.9	68.8	63.9	71.9	87.6	86.9	77.4	73.1	68.7	56.8	56.2	79.3	85.6	80.8	70.3

CQS: 73.6(Q1-Q8)



Color temperature	Color rendering index	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6814 K	72.5	73	93	73.6	0.3084	0.3220	0.1974	0.4639	0.0018

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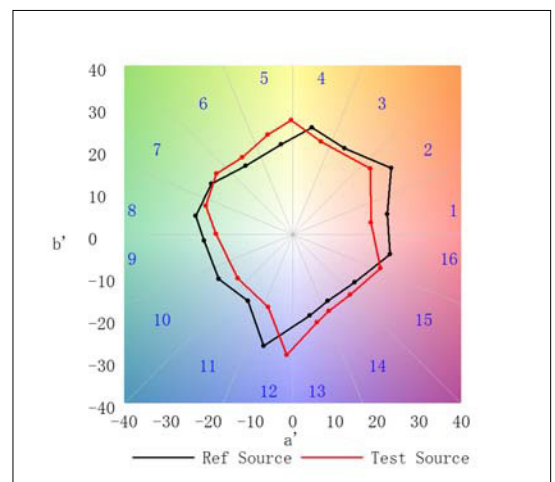
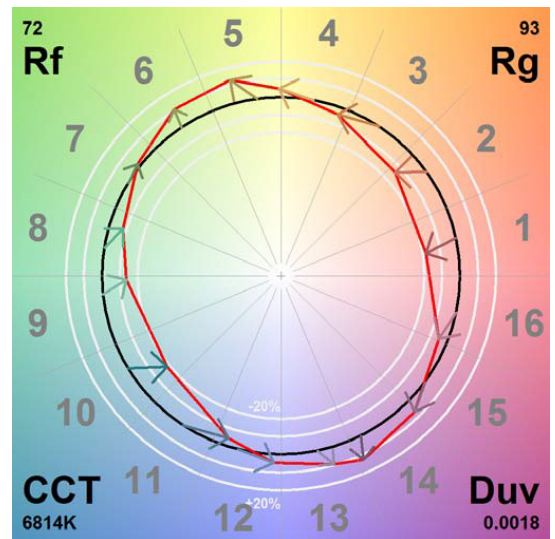
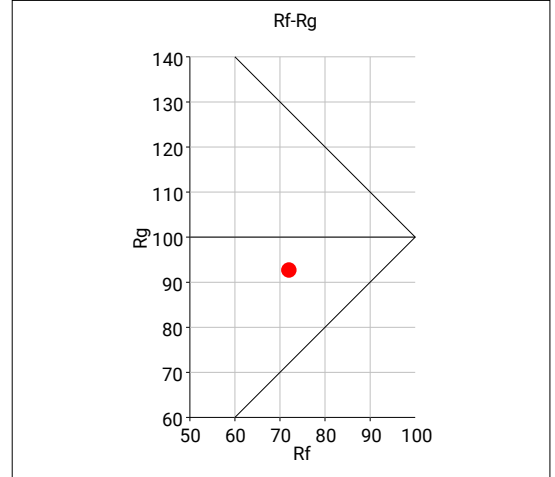
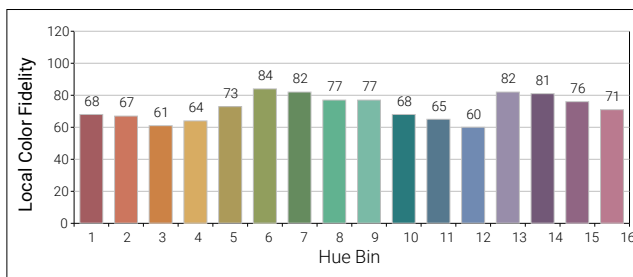
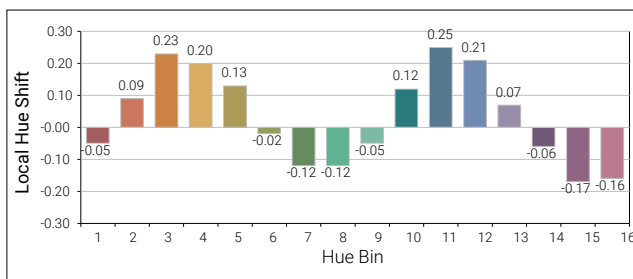
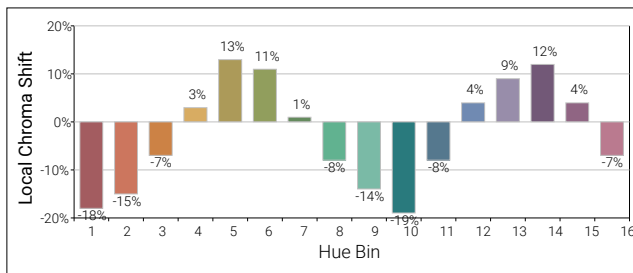
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PHOTOMETRIC REPORT — TM-30

TM-30 Rf (IES TM-30-18 Fidelity Index): 73

TM-30 Rg (IES TM-30-18 Fidelity Index): 93

Hue Bin	Hue Angle	Graphic shift(%)		
		Rf	Chroma	Hue
1	0.0° – 22.5°	68	-18	-5
2	22.5° – 45.0°	67	-15	9
3	45.0° – 67.5°	61	-7	23
4	67.5° – 90.0°	64	3	20
5	90.0° – 112.5°	73	13	13
6	112.5° – 135.0°	84	11	-2
7	135.0° – 157.5°	82	1	-12
8	157.5° – 180.0°	77	-8	-12
9	180.0° – 202.5°	77	-14	-5
10	202.5° – 225.0°	68	-19	12
11	225.0° – 247.5°	65	-8	25
12	247.5° – 270.0°	60	4	21
13	270.0° – 292.5°	82	9	7
14	292.5° – 315.0°	81	12	-6
15	315.0° – 337.5°	76	4	-17
16	337.5° – 360.0°	71	-7	-16



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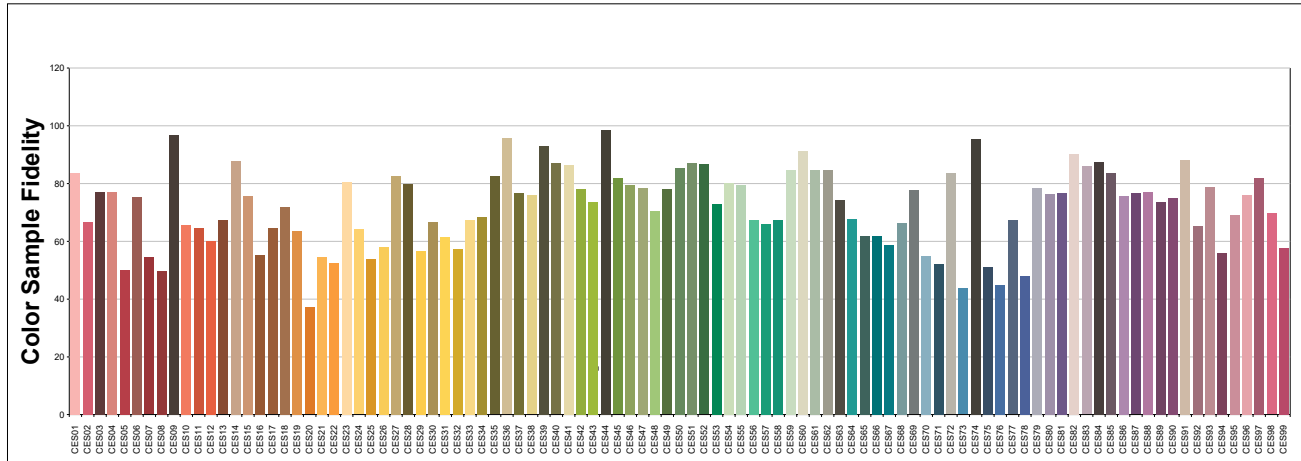
SUPERNOVA LT

Outdoor Moving Profile — Ultimate Long-Throw Power

SPEC SHEET

PHOTOMETRIC REPORT — TM-30

Color Evaluation Sample



PHOTOMETRIC REPORT — TLCI-47

Color Evaluation Sample



Sector	Lightness	Chroma	Hue
R	5	4	2
R/Y	1	1	-5
Y	-2	-2	-6
Y/G	-2	-3	0
G	-2	-2	3
G/C	1	0	5
C	2	1	1
C/B	4	1	-3
B	1	-3	-3
B/M	2	-4	6
M	5	-1	8
M/R	5	1	5