

# SANA BEAM

*Beyond the Bulb, A New Chapter Powered by LED.*

**SPEC SHEET**



Foshan YiFeng Electric Industrial Co.,Ltd.

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## FIXTURE OVERVIEW

- The ACME **SANA BEAM** marks the beginning of the SANA series and sets a new standard in IP66-rated LED beam moving heads. Lightweight yet powerful, the fixture delivers razor-sharp beams, precise control, and infinite motion in a compact design.
- Powered by a 330W LED engine, the **SANA BEAM** delivers a dazzling 5,500 lumens of output, projecting intense beams through a large 180 mm frontal lens for unmatched clarity and impact. With an impressive zoom range of 1.9° to 8°, it delivers razor-sharp beams that endlessly cut through the air for a dramatic visual impact.
- Its infinite pan and tilt offer fluid motion for bold mid-air visuals, breaking free of conventional movement limits. The fixture features two color wheels (6 colors each), a variable CTO, and linear CMY color mixing, unlocking vivid, expressive palettes suited for any atmosphere.
- Effect creativity expands further with a static gobo wheel featuring 17 gobos, and two prisms for multi-layered effects. A frost filter transforms sharp, focused beams into uniform washes, providing versatile lighting options for any environment. Designed for high efficiency, the fixture comes with integrated NFC functionality for quick and easy fixture setup and management.
- Weighing just 23.5 kg (51.8 lbs), the **SANA BEAM** delivers uncompromising performance in a lightweight package, empowering lighting designers with the freedom to create without limits.



## FEATURE HIGHLIGHTS

- LED engine comprised of 330W LED
- 180 mm diameter frontal lens
- Zoom Range: 1.9°-8°
- Light Engine Luminous Output: 9,600 lumens
- Fixture Luminous Output:
  - Standard Mode: 5,500 lumens
  - Quiet Mode: 4,700 lumens
  - Theater Mode: 3,900 lumens
- Color Temperature Output of Fixture: 7,000K
- Standard Mode: Ra≥66
- Linear CMY color mixing
- Variable CTO ranging from 2,700K-10,000K
- 2 Color Wheels:
  - Color Wheel 1: 6 colors, plus open
  - Color Wheel 2: 6 colors, plus open
- 1 Static Gobo Wheel: 17 gobos, plus open2
- Prisms:
  - 1 x 8-facet circular prism and 1 x 6-facet linear prism, rotatable and overlayable in both directions
- 1 frost filter
- Outstanding strobe effect with variable speed
- With NFC functionality, the fixture allows quick and easy setup and management
- Motorized focus system
- Motorized zoom system
- Flicker-free management
- IP66 rated

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## TECHNICAL SPECIFICATIONS

### Model

- Model Name: SANA BEAM
- Model Code: XA 300 BEAM IP

### Light Source

- Light Source: 330W LED engine
- Color Temperature Output of Fixture: 7,000K
- Life Expectancy: 20,000 hours\*
- \*Source manufacturer specification

### Photometric Data

- Light Engine Luminous Output: 9,600 lumens
- Fixture Luminous Output:
  - Standard Mode: 5,500 lumens
  - Quiet Mode: 4,700 lumens
  - Theater Mode: 3,900 lumens
- CCT: 7,000K (+/- 200K)
- Ra $\geq$ 66 (Standard Mode)
- TM-30 Rf (IES TM-30-15 Fidelity Index): 69
- TM-30 Rg (IES TM-30-15 Fidelity Index): 91
- TLCL: 42
- Peak Luminous Intensity: 5,690,000 cd

### Optical System

- Diameter of Frontal Lens: 180 mm
- Zoom Range: 1.9°-8°

### Control & Program

- 4 touch button control panel
- Display: LCD display
- Protocols: DMX, RDM, Art-Net, sACN, NFC
- Setting and Addressing: Display menu, RDM
- DMX Modes: 4
- DMX Channels: 16/27/27/29
- Firmware Upgrade: Upgrade via DMX link or USB stick

### Pan & Tilt

- Pan: Infinity
- Tilt: Infinity
- 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-10,000K

### Color Wheel

- 2 Color Wheels:
  - Color Wheel 1: 6 colors, plus open
  - Color Wheel 2: 6 colors, plus open

### Static Gobo Wheel

- 1 Static Gobo Wheel:
  - 17 gobos, plus open
- Gobo Dimensions
  - External Diameter: 113 mm (4.5")
- Coating: Black high-temperature coating
- Material: Aluminum sheet

### Frost

- 1 frost filter

### Focus

- Motorized focus system

### Zoom

- Motorized zoom system

### Prism

- 2 Prisms:
  - 1 x 8-facet circular prism and 1 x 6-facet linear prism, rotatable and overlayable in both directions

### Electrical

- Input Voltage Range: 100-240Vac; 50/60Hz
- Power Consumption: 590W
- Power In/Out: Waterproof power connector in/out
- Data In/Out: 3-pin or 5-pin waterproof XLR, waterproof RJ45 connector

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## TECHNICAL SPECIFICATIONS

### Physical

- Weight: 23.5 kg (51.8 lbs)
- Length (Head): 412 mm (16.2")
- Length (Base): 332 mm (13.1")
- Width (Across Yoke): 319 mm(12.6")
- Height (Head Up): 567 mm (22.3")

### Construction

- Housing: Magnesium alloy
- Color: Black
- Protection Rating: IP66

### Work Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -20°C
- Maximum Surface Temperature: 75°C

### Acoustic Data

- Noise Level:  
Standard Mode: 48 dB(A) @ 1 m  
Quiet Mode: 43 dB(A) @ 1 m

### Installation

- Universal working position
- 2 omega brackets
- Safety cable attachment point

### Approvals

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



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## INCLUDED ITEMS

### Included Items

- Digital user manual
- Power cable
- 2 omega brackets(3002003003)

## ORDERING INFORMATION

### Optional Accessories (With Order Code)

- Flight Case:
  - Standard: Two-pack loader case (63584352)
  - North American Standard:
    - Three-pack loader case (63584379)
- Clamp: C-150B (2060001625-C)
- Signal Cable:
  - 3-pin waterproof signal cable (3017013468) or
  - 5-pin waterproof signal cable (3017013473)
- Safety Cable: SW-05 (2060001603-E)

### Carton Dimensions

- Width: 550 mm (21.7")
- Depth: 455 mm (17.9")
- Height: 665 mm (26.2")
- Weight:
  - G.W.: 29.5 kg (65 lbs) (one-pack loader carton)



C-150B: 2060001625-C



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



SW-05: 2060001603-E



Standard(Two-pack loader  
case): 63584352

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## (STANDARD) FLIGHT CASE

### APPLICABLE MODELS

- SANA BEAM (XA 300 BEAM IP)
- SANA PROFILE (XA 300 BSWF IP)

### ORDER CODE

- 63584352 SANA BEAM (XA 300 BEAM IP)
- 63584353 SANA PROFILE (XA 300 BSWF IP)

### CASE WEIGHT

- 46 kg (101.4 lbs)

### MEAS

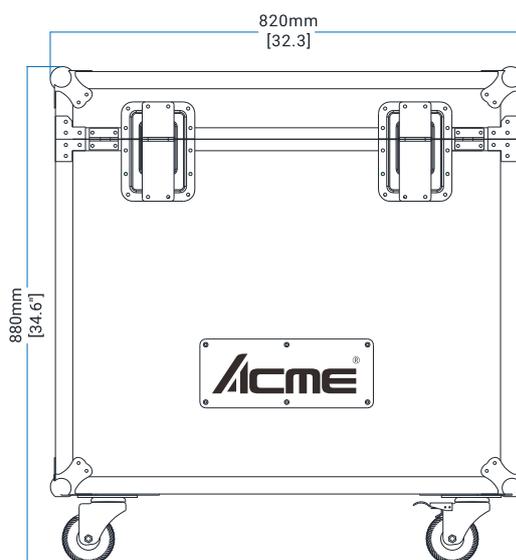
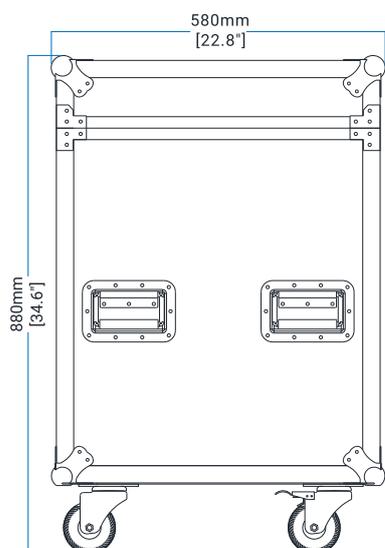
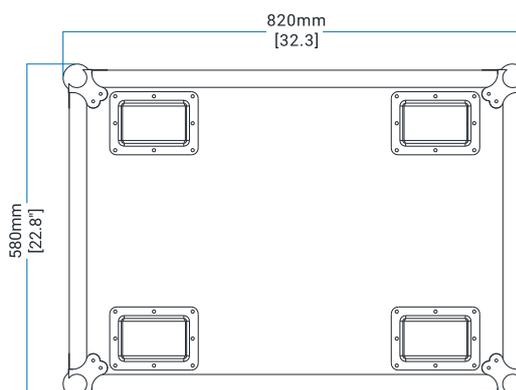
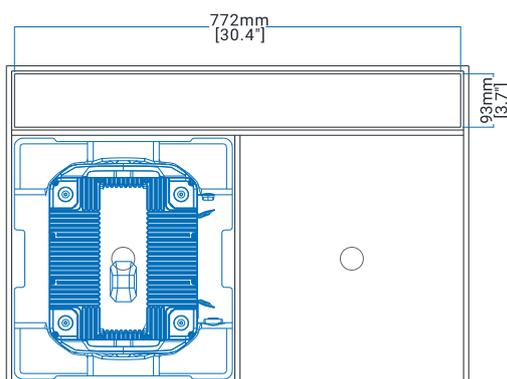
- 820 x 580 x 880 mm (32.3" x 22.8" x 34.6")

### LOADING Q'TY

- Two-pack loader case

### MAXIMUM STACKING

- 2 stacks



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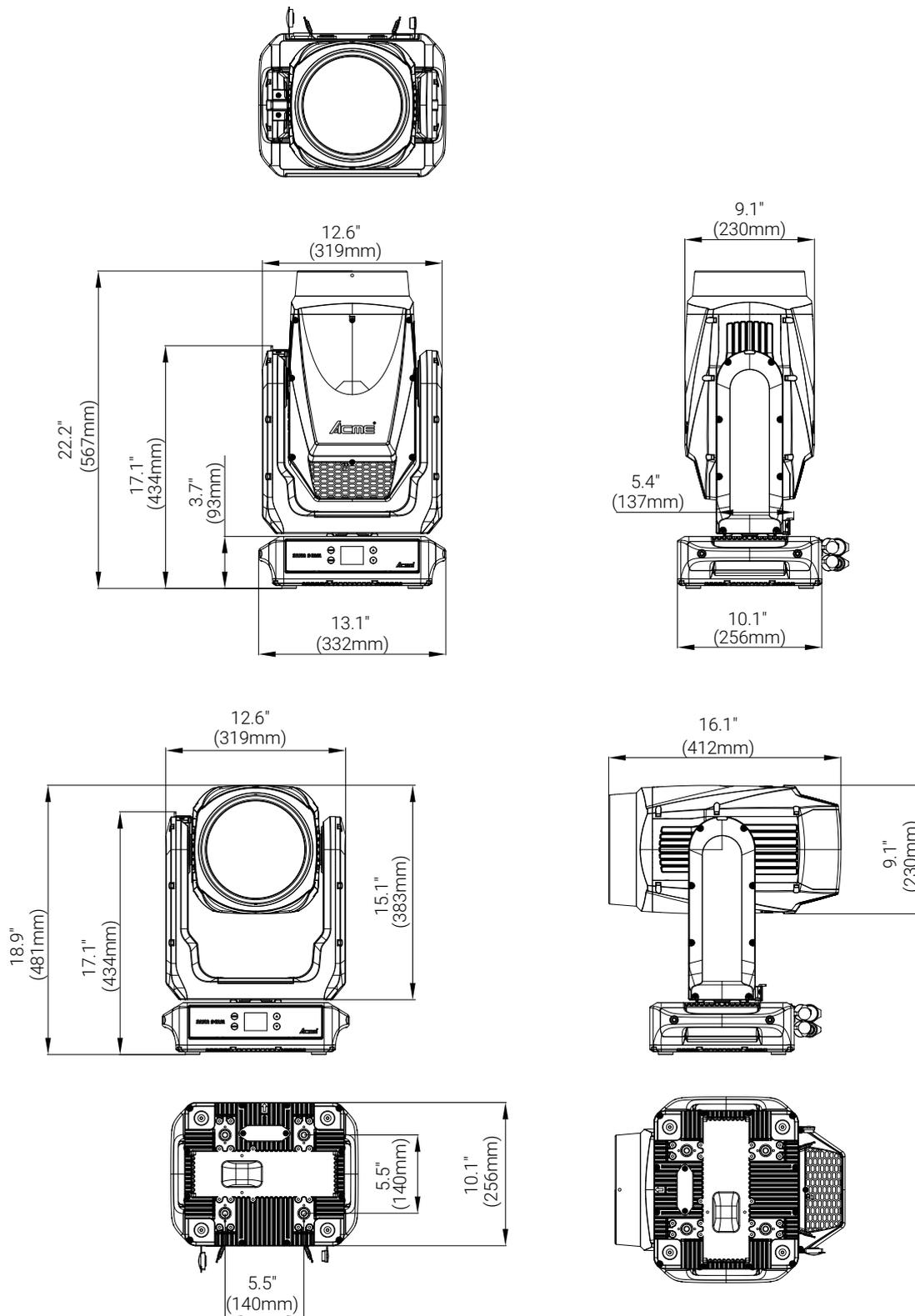
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## DIMENSIONS



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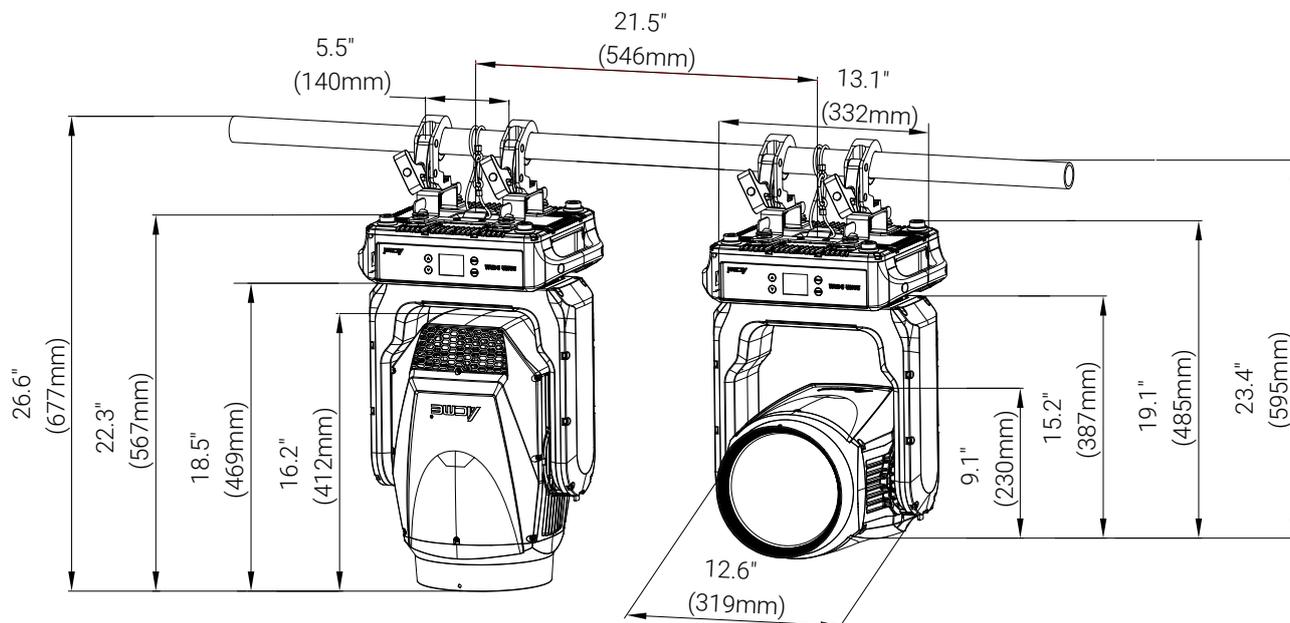
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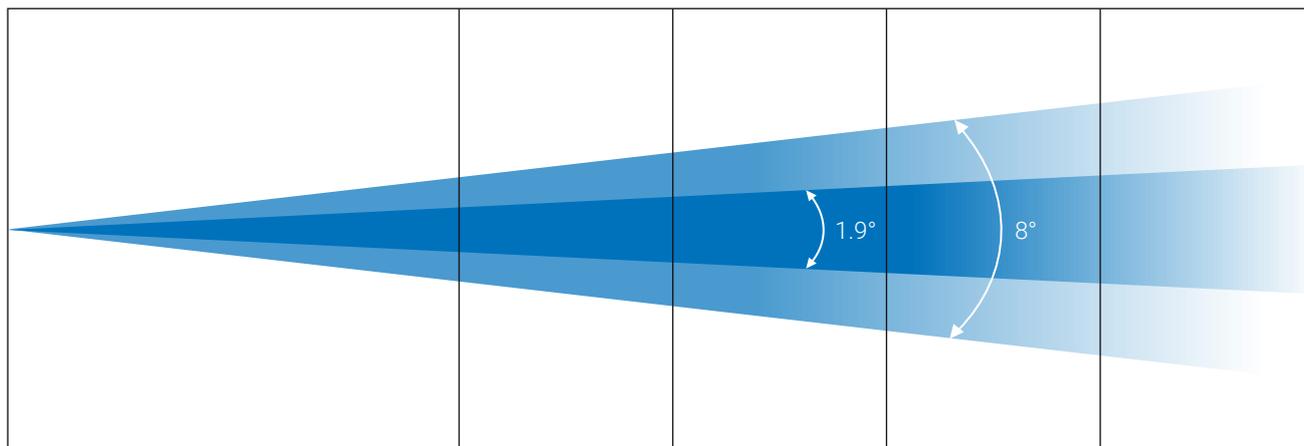
## HANGING DIMENSIONS



## PHOTOMETRIC

### Standard Mode

Distance m (ft)                      5 (16.4)                      10 (32.8)                      15 (49.2)                      20 (65.6)                      50 (164)



1.9° Lux	368,000	92,000	40,888	23,000	3,680
Diameter m (ft)	0.2 (0.7)	0.3 (1.0)	0.4 (1.3)	0.6 (2.0)	1.5 (5.0)
8° Lux	22,200	5,550	2,466	1,387	222
Diameter m (ft)	0.7 (2.3)	1.4 (4.6)	2.1 (6.9)	2.8 (9.2)	6.9 (22.6)

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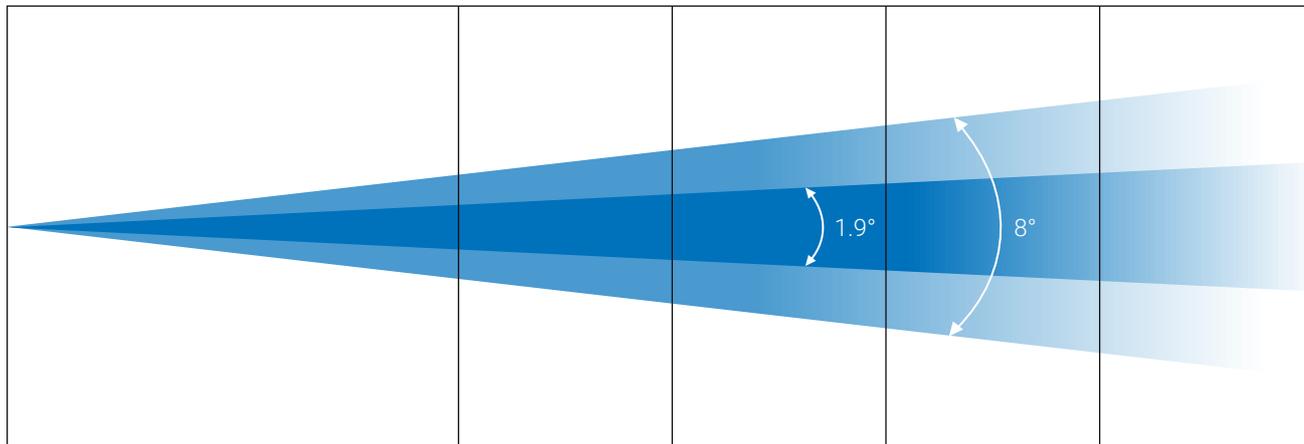
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## PHOTOMETRIC

### Quiet Mode

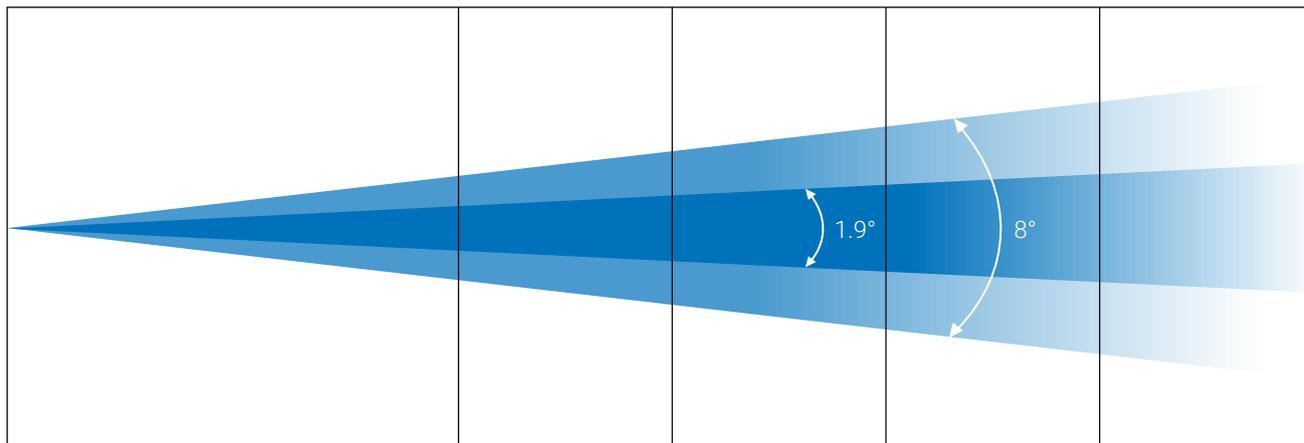
Distance m (ft)                      5 (16.4)                      10 (32.8)                      15 (49.2)                      20 (65.6)                      50 (164)



1.9° Lux	304,000	76,000	33,777	19,000	3,040
Diameter m (ft)	0.2 (0.7)	0.3 (1.0)	0.5 (1.6)	0.7 (2.3)	1.7 (5.8)
8° Lux	16,200	4,050	1,800	1,012	162
Diameter m (ft)	0.7 (2.3)	1.4 (4.6)	2.1 (6.9)	2.8 (9.2)	6.9 (22.6)

### Theater Mode

Distance m (ft)                      5 (16.4)                      10 (32.8)                      15 (49.2)                      20 (65.6)                      50 (164)



1.9° Lux	252,000	63,000	28,000	15,750	2,520
Diameter m (ft)	0.2 (0.7)	0.3 (1.0)	0.5 (1.6)	0.7 (2.3)	1.7 (5.8)
8° Lux	12,200	3,050	1,355	762	122
Diameter m (ft)	0.7 (2.3)	1.4 (4.6)	2.1 (6.9)	2.8 (9.2)	6.9 (22.6)

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## DYNAMIC EFFECTS

### Color Wheel 1



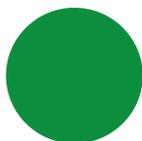
Red  
Slot 1



Orange  
Slot 2



Aqua Marine  
Slot 3



Green  
Slot 4

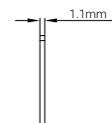
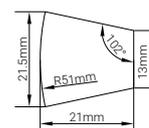


Light Green  
Slot 5



Lavender  
Slot 6

› Dimension:



### Color Wheel 2



Pink  
Slot 1



Light Yellow  
Slot 2



Magenta  
Slot 3



Blue  
Slot 4



Yellow  
Slot 5



UV  
Slot 6

### Static Gobo Wheel



Slot 1



Slot 2



Slot 3



Slot 4



Slot 5



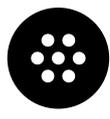
Slot 6



Slot 7



Slot 8



Slot 9



Slot 10



Slot 11



Slot 12



Slot 13



Slot 14



Slot 15

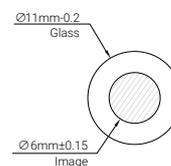


Slot 16

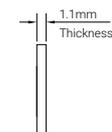


Slot 17

› Dimension:



Black&White GOBO:



› Material: Borofloat Glass

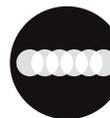
### Linear CMY Color Mixing



### Prisms/Frost Filter



1 x 8-Facet Circular Prism



1 x 6-Facet Linear Prism



1 Frost Filter

### Linear CTO Color Correction



2,700K-10,000K

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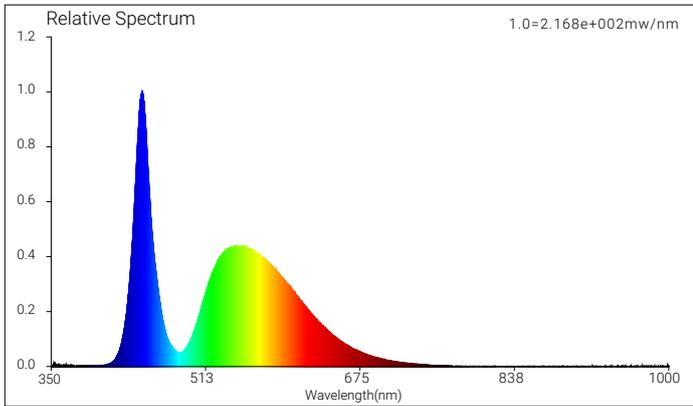
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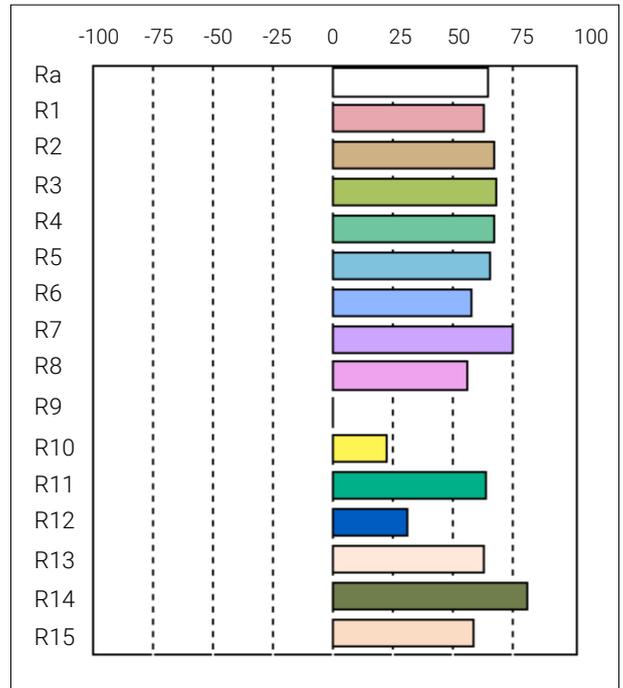
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## PHOTOMETRIC REPORT – CHROMATICITY

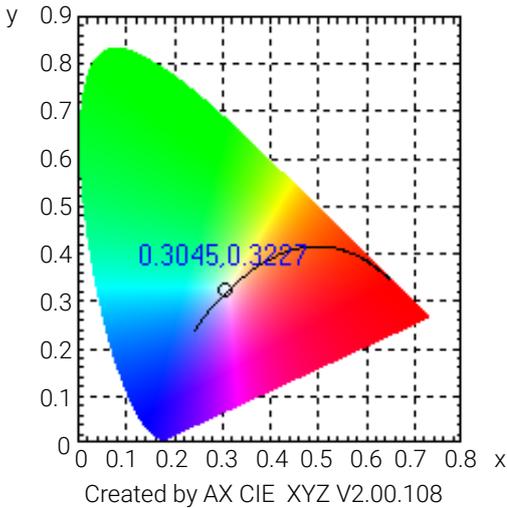
### Spectral Distribution



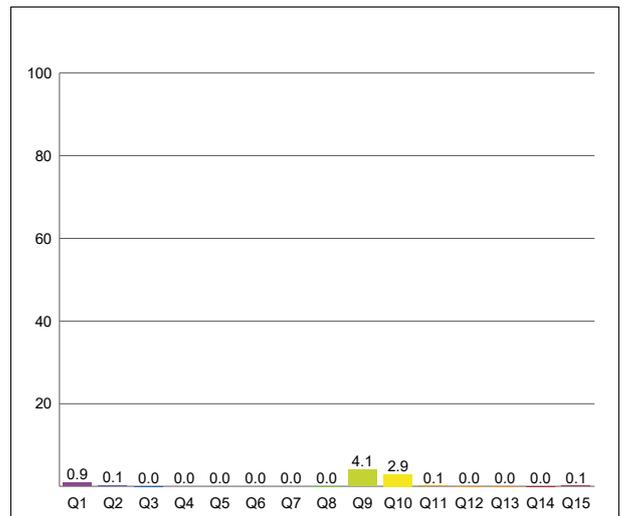
### CRI: 66.2 (R1-R8)



### CIE 1931 EVERFINE



### CQS: 0.1 (Q1-Q8)



#### CRI C Values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.4	68.7	69.5	68.3	66.4	58.7	76.6	57.3	0.0	24.1	65.4	31.9	64.0	82.7	60.2	66.2

#### TM30 R Values

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
64.4	68.7	69.5	68.3	66.4	58.7	76.6	57.3	0.0	24.1	65.4	31.9	64.0	82.7	60.2

#### CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.1	0.0	0.0	0.0	0.0	0.1

#### Colour Parameters

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
7,040 K	66.2	69	91	0.1	0.3045	0.3227	0.1945	0.4637	0.0042

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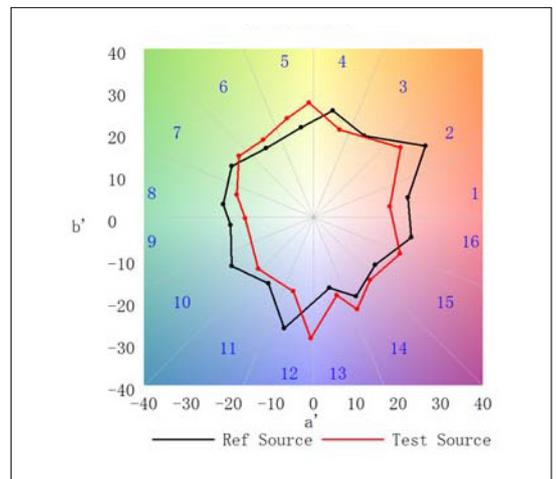
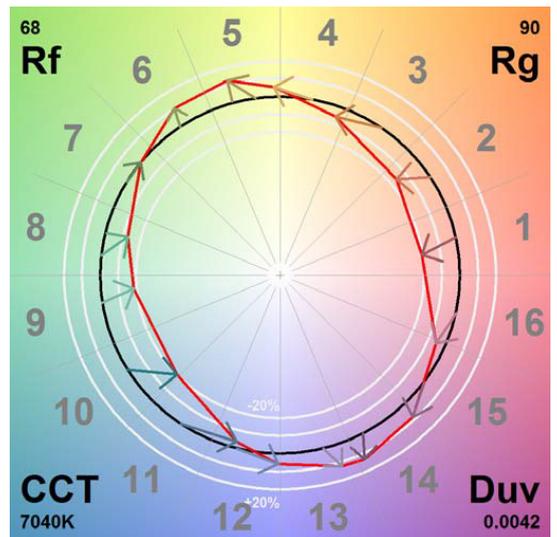
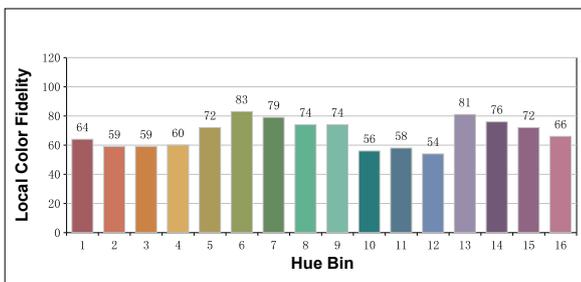
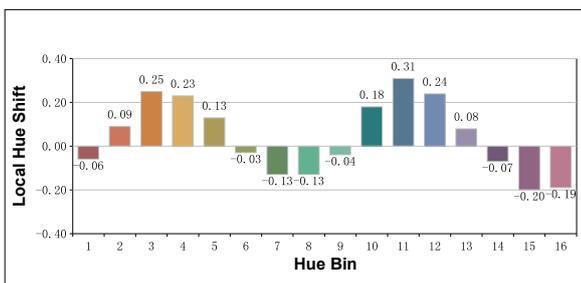
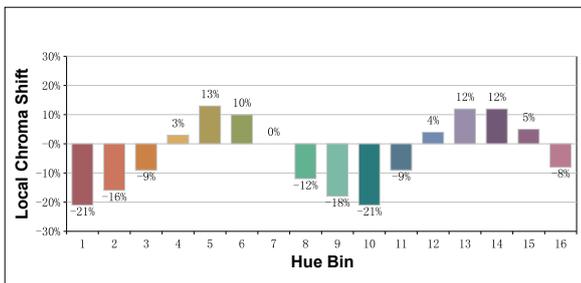
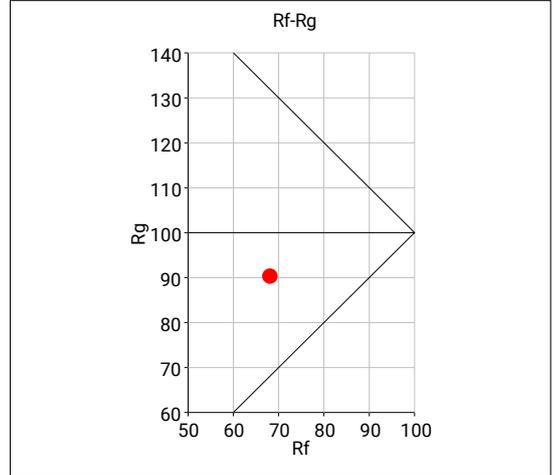
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## PHOTOMETRIC REPORT – TM-30

TM-30 Rf (IES TM-30-15 Fidelity Index): 69

TM-30 Rg (IES TM-30-15 Fidelity Index): 91

Hue Bin	Hue Angle	Graphic shift(%)		
		Rf	Chroma	Hue
1	0.0° – 22.5°	64	-21	-6
2	22.5° – 45.0°	59	-16	9
3	45.0° – 67.5°	59	-9	25
4	67.5° – 90.0°	60	3	23
5	90.0° – 112.5°	72	13	13
6	112.5° – 135.0°	83	10	-3
7	135.0° – 157.5°	79	0	-13
8	157.5° – 180.0°	74	-12	-13
9	180.0° – 202.5°	74	-18	-4
10	202.5° – 225.0°	56	-21	18
11	225.0° – 247.5°	58	-9	31
12	247.5° – 270.0°	54	4	24
13	270.0° – 292.5°	81	12	8
14	292.5° – 315.0°	76	12	-7
15	315.0° – 337.5°	72	5	-20
16	337.5° – 360.0°	66	-8	-19



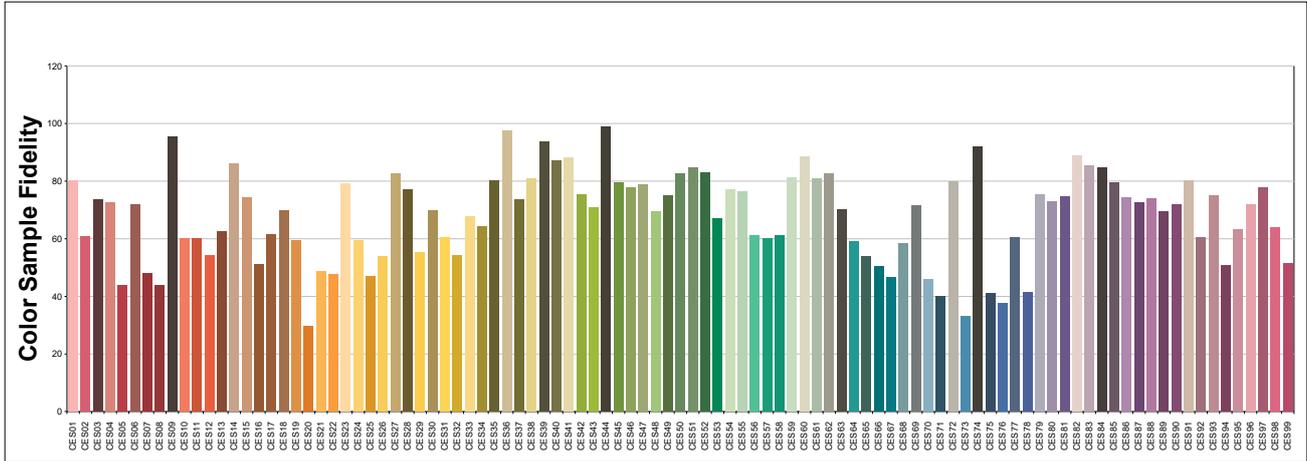
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## PHOTOMETRIC REPORT – TM-30

### Color Evaluation Sample



## PHOTOMETRIC REPORT – TLCI-42

### Color Evaluation Sample



Sector	Lightness	Chroma	Hue
R	6	4	2
R/Y	1	1	-6
Y	-2	-2	-7
Y/G	-2	-3	0
G	-3	-3	4
G/C	1	1	5
C	3	1	0
C/B	4	1	-5
B	1	-4	-5
B/M	3	-4	3
M	6	-1	9
M/R	6	1	5