

# AUTOLUX

*Smart Integration, Brilliant Transformation*

**SPEC SHEET**



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**Acme®**

## FIXTURE OVERVIEW

- Designed for powerful white washes across large areas, the ACME **AUTOLUX** sets a new standard in performance and control, offering outstanding motion stabilization and creative flexibility.
- Equipped with a 600W LED engine and a 150 mm frontal lens, the fixture delivers exceptional brightness to any stage. With a wide zoom range from 11° to 42°, it offers seamless transitions from sharp beams and uniform washes. A crisp 6,200K color temperature delivers stunning clarity, while high CRI ensures accurate and vivid color rendering.
- For creative flexibility, the **AUTOLUX** features a color wheel, a frost filter, and a variable CTO for smooth transitions from warm to cool tones. Four individually controllable shutter blades enable precise beam shaping with soft, smooth edge.
- Engineered for precise pan and tilt movements, the **AUTOLUX** guarantees exceptional accuracy in positioning for dynamic performances. What sets the fixture apart is its power cycle position holding function – a standout innovation that allows the fixture to automatically restore the previous settings upon power-up, even without signal control. In addition, a dedicated repositioning button prevents unintentional movement during transport and storage.
- With its breakthrough positioning technology and no need for console data recall, the **AUTOLUX** is the ultimate “set-and-forget” solution—perfect for auto shows, fashion runways, and other roadshows.



## FEATURE HIGHLIGHTS

- LED engine comprised of 600W LED
- 150 mm diameter frontal lens
- Zoom Range: 11°-42°
- Fixture Luminous Output:
  - Super Power Mode: 22,000 lumens
  - Auto Mode: 18,100 lumens
  - Quiet Mode: 14,000 lumens
- Color Temperature Output of Fixture: 6,200K
- Ra≥90
- Color Wheel: 6 colors, plus open
- Variable CTO ranging from 2,700K-6,200K
- Outstanding strobe effect with variable speed
- 1 frost filter
- 4 rotating full blackout framing shutter blades with individually controllable; ±60° rotation of the framing system module
- Smooth dimming 0-100% (4 user selectable dimming curves)
- Built-in rechargeable battery for menu setting without an external power supply
- Advanced cooling technology for high-output performance
- Power cycle position holding function
- Free moving mode for outstanding motion stabilization

## TECHNICAL SPECIFICATIONS

### Model

- Model Name: AUTOLUX
- Model Code: AUTO 600

### Light Source

- Light Source: 600W LED engine
- Color Temperature Output of Fixture: 6,200K
- Life Expectancy: 20,000 hours\*
- \*Source manufacturer specification

### Photometric Data

- Fixture Luminous Output:
  - Super Power Mode: 22,000 lumens
  - Auto Mode: 18,100 lumens
  - Quiet Mode: 14,000 lumens
- CCT: 6,200K (+/- 200K)
- Ra≥90
- TM-30 Rf (IES TM-30-15 Fidelity Index): 90
- TM-30 Rg (IES TM-30-15 Fidelity Index): 100
- TLCI: 90

### Optical System

- Zoom Range: 11°-42°
- Diameter of Frontal Lens: 150 mm

### Control & Program

- 4 touch button control panel
- Display: LCD display
- Protocols: DMX512, RDM
- Setting and Addressing: Display menu, RDM
- DMX Protocol Modes: 1
- DMX Channels: 25
- Firmware Upgrade: Upgrade via DMX link or USB stick

### Pan & Tilt

- Pan Movement: 540°
- Tilt Movement: 270°
- Automatic Pan/Tilt position correction
- Resolution: 16 bit

### Color Correction

- Variable CTO ranging from 2,700K-6,200K

### Color Wheel

- Color Wheel: 6 colors, plus open
- Replaceable color filter in Slot 6

### Frost

- 1 frost filter

### Framing

- Shutter Blades:
  - 4 blades, each with separate movement and full blackout
- Rotation: ±60° of the complete framing system

### Electrical

- Input Voltage Range: 100-240Vac; 50/60Hz
- Power Consumption: 865W
- Power In/Out: Power connector in/out
- Data In/Out: 3-pin or 5-pin XLR, RJ45 connector

### Physical

- Weight: 22 kg (48.5 lbs)
- Length (Head): 402 mm (15.8")
- Length (Base): 350 mm (13.8")
- Width (Across Yoke): 376 mm (14.8")
- Height (Head Up): 592 mm (23.3")

### Construction

- Housing: Eco-friendly flame-retardant nylon and fiber
- Color: Black
- Protection Rating: IP20

### Work Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -10°C
- Maximum Surface Temperature: 70°C

### Acoustic Data

- Noise Level:
  - Super Power Mode: 50 dB(A) @ 1 m
  - Auto Mode: 41 dB(A) @ 1 m
  - Quiet Mode: 35 dB(A) @ 1 m

### Installation

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

### Approvals

- CE compliant
- EMC directive 2014/30/EU

## TECHNICAL SPECIFICATIONS

LVD directive 2014/35/EU

· UKCA compliant

Electromagnetic Compatibility Regulations 2016

Electrical Equipment (Safety) Regulations 2016



## INCLUDED ITEMS

### Included Items

- Digital user manual
- Power cable
- 2 omega brackets (3002000288-B)

## ORDERING INFORMATION

### Optional Accessories

(With Order Code)

- Flight Case  
Standard: Two-pack loader case (63584443)
- Signal Cable: 3-pin or 5-pin signal Cable
- Safety Cable: SW-05 (2060001603-E)
- Clamp: C-250B (2060001632-B)

### Carton Dimensions

- Width: 510 mm (20.1")
- Depth: 485 mm (19.1")
- Height: 675 mm (26.6")
- Weight:  
G.W.: 28 kg (61.7 lbs) (one-pack loader carton)



C-250B: 2060001632-B



SW-05: 2060001603-E



3-pin or 5-pin signal cable



Standard : Two-pack loader  
case (63584443)

## (STANDARD) FLIGHT CASE

### APPLICABLE MODELS

- AUTOLUX (AUTO 600)

### ORDER CODE

- 63584443 AUTOLUX (AUTO 600)

### CASE WEIGHT

- 50 kg (110.2 lbs)

### MEAS

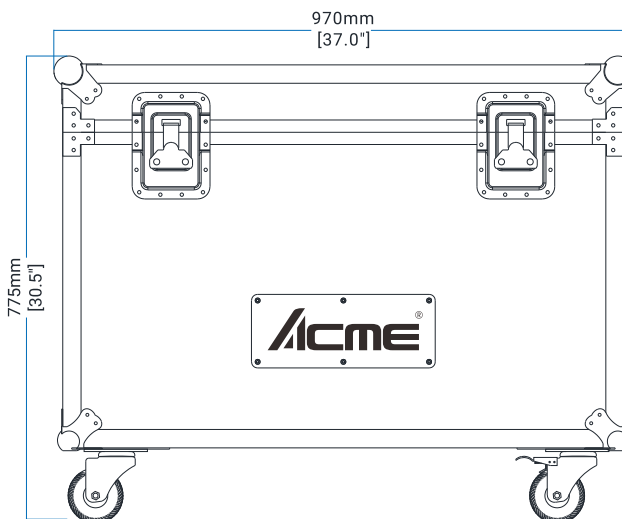
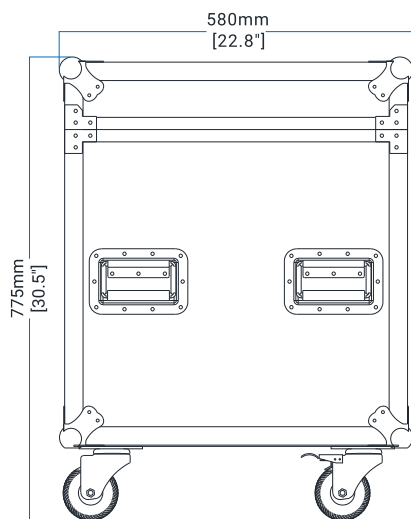
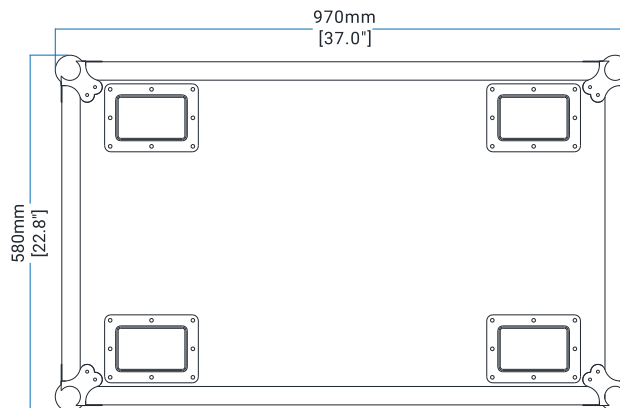
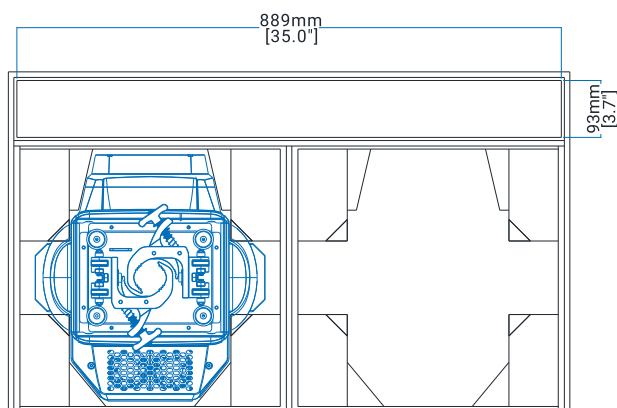
- 940 x 580 x 775 mm (37.0" x 22.8" x 30.5")

### LOADING Q'TY

- Two-pack loader case

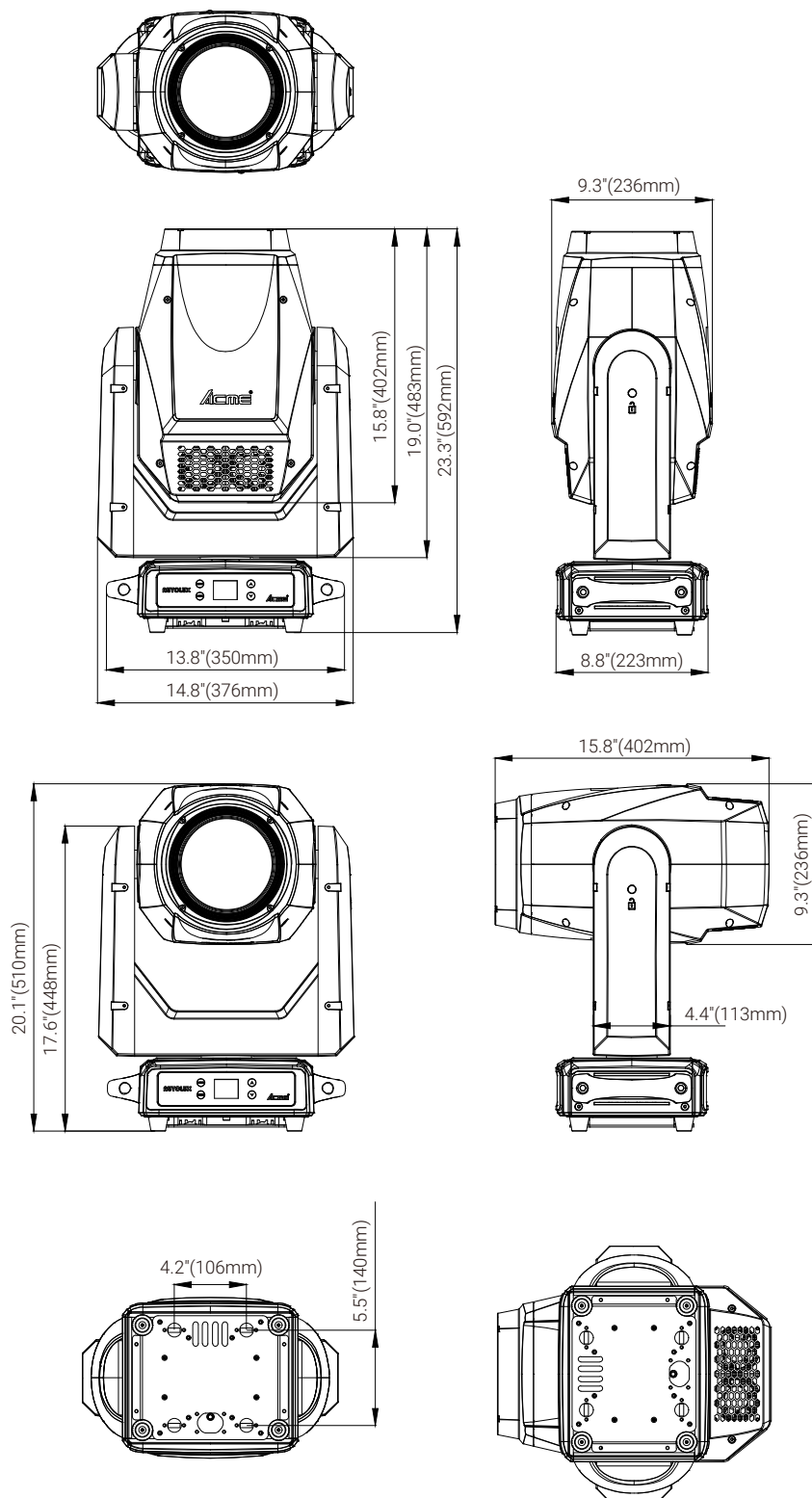
### MAXIMUM STACKING

- 2 stacks

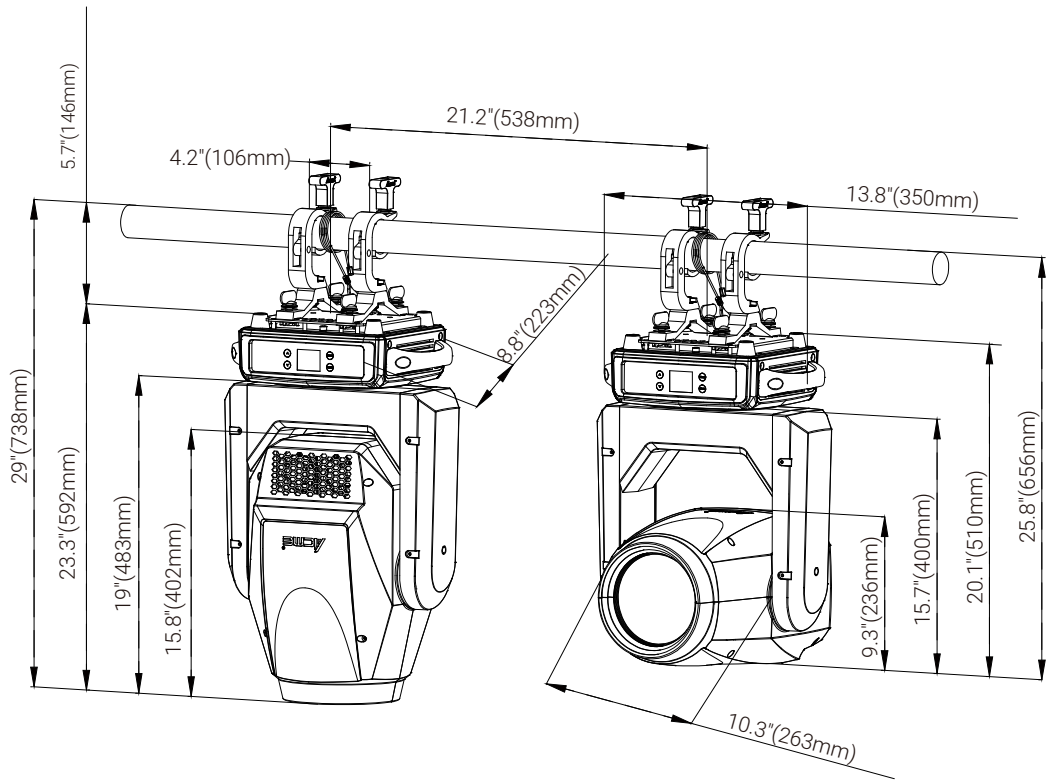


ACME CASE by ACME Version: 20260415-A

## DIMENSIONS

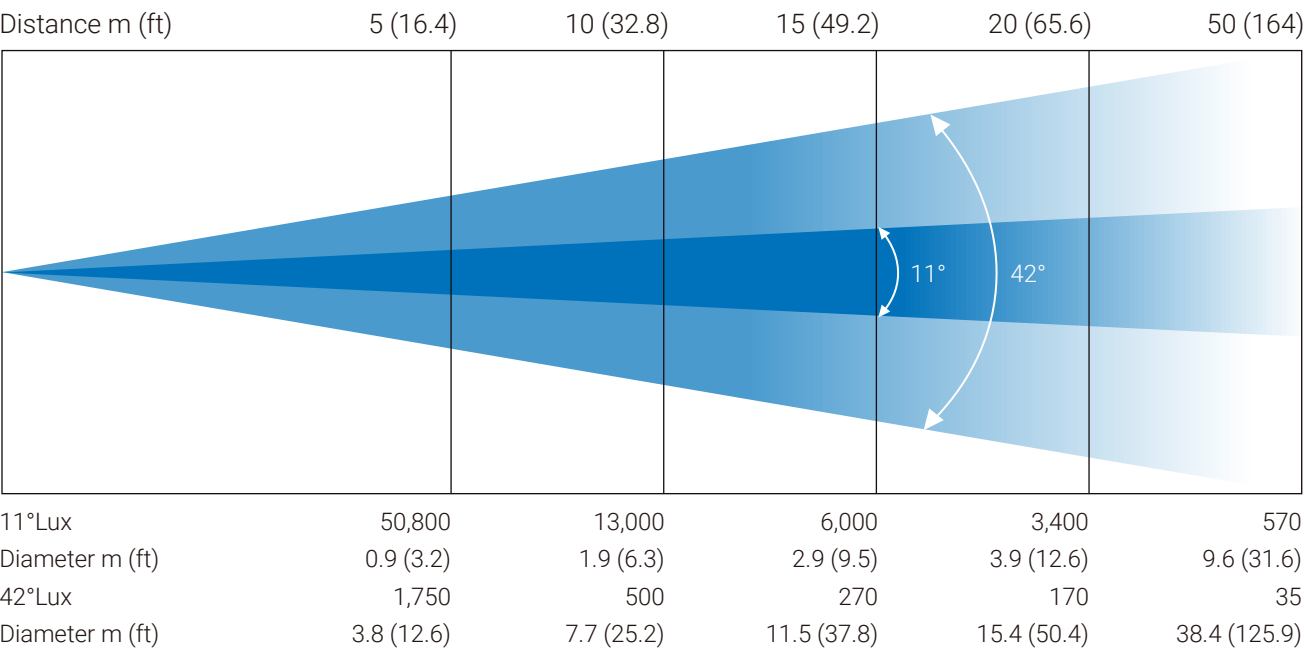


HANGING DIMENSIONS



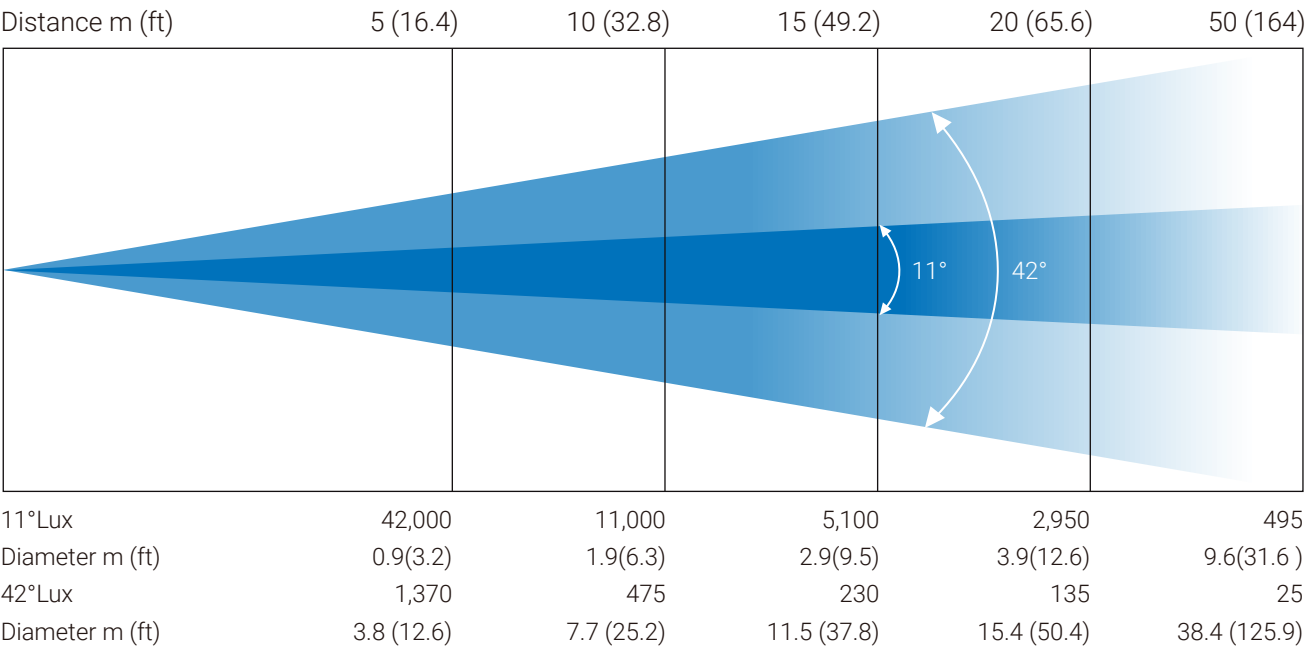
PHOTOMETRIC

Super Power Mode

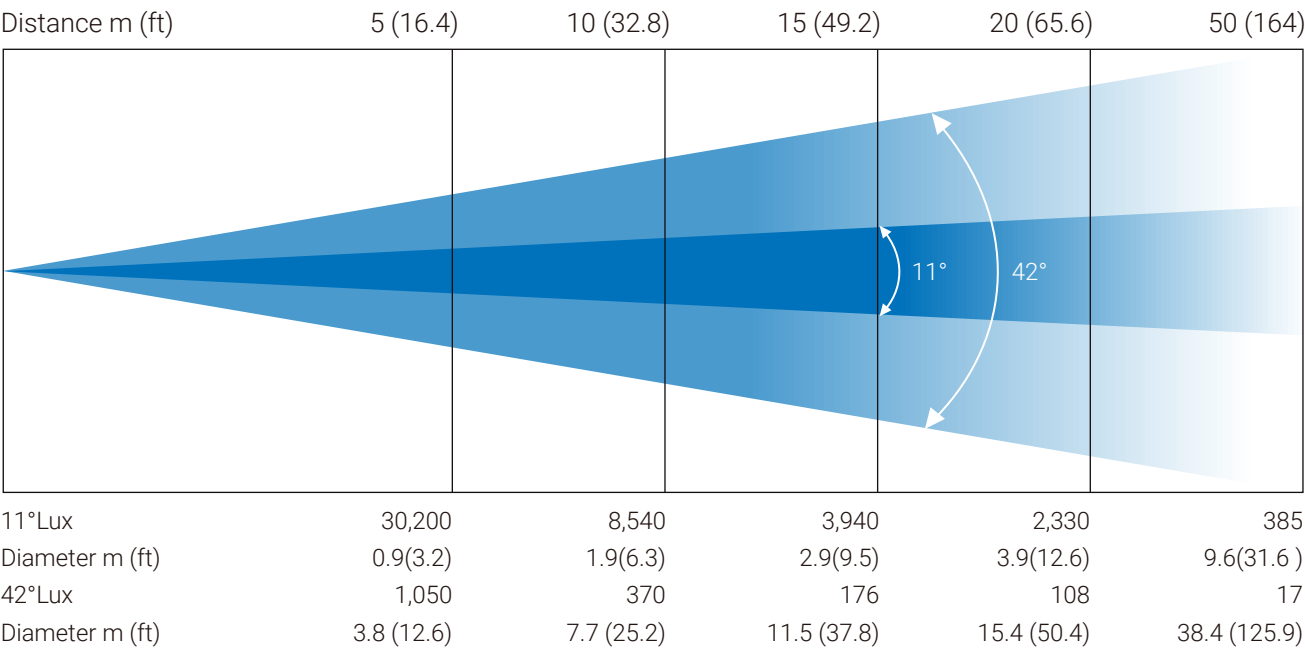


PHOTOMETRIC

Auto Mode



Quiet Mode

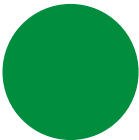


DYNAMIC EFFECTS

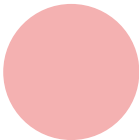
Color Wheel



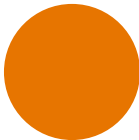
Red  
Slot 1



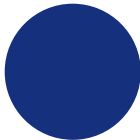
Green  
Slot 2



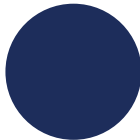
Pink  
Slot 3



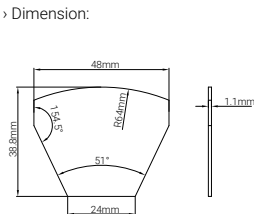
Orange  
Slot 4



Blue  
Slot 5



UV  
Slot 6



Linear CTO Color Correction



2,700K-6,200K

Framing



Framing Module

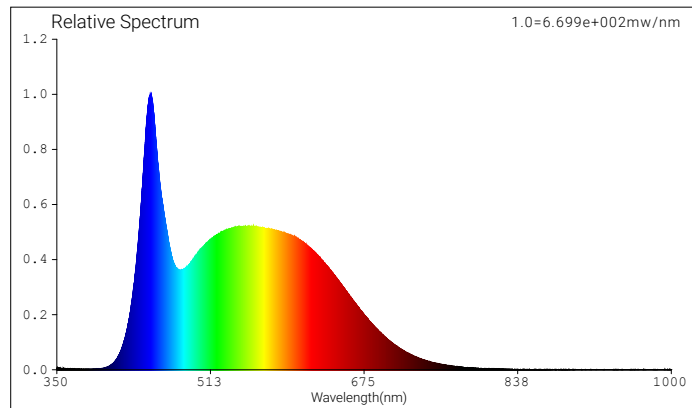
Frost



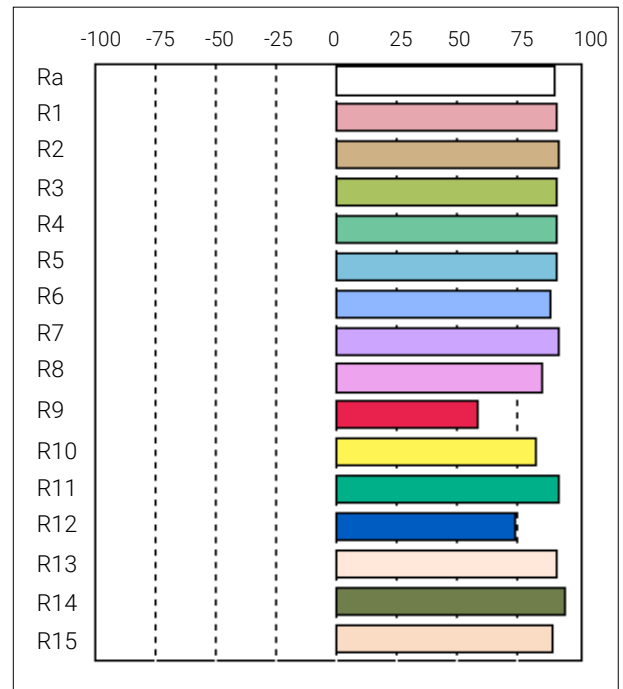
1 Frost Filter

## PHOTOMETRIC REPORT – CHROMATICITY

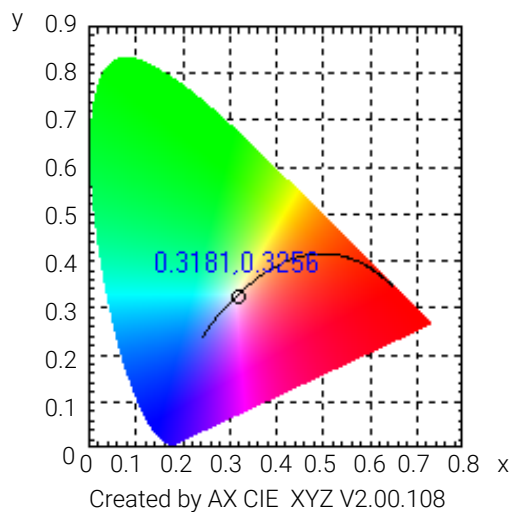
### Spectral Distribution



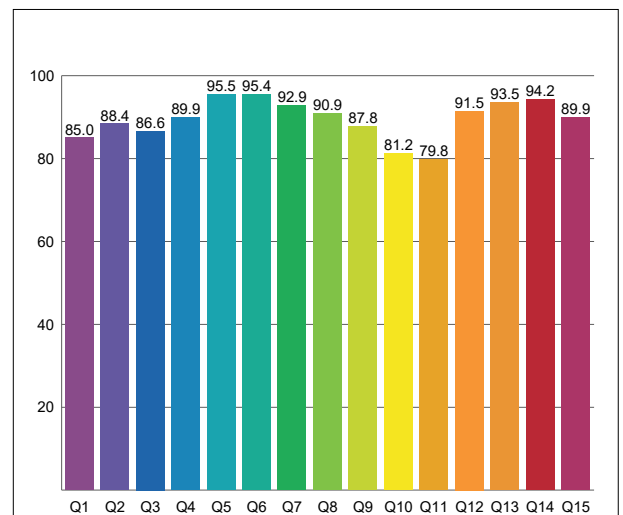
CRI: 91.8(R1-R8)



### CIE 1931 EVERFINE



CQS: 90.6(Q1-Q8)



#### CRI C Values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.3 | 93.8 | 92.9 | 93.1 | 92.6 | 89.7 | 93.3 | 86.3 | 59.6 | 84.1 | 93.2 | 75.1 | 93.0 | 96.0 | 91.3 | 91.8 |

#### TM30 R Values

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.3 | 93.8 | 92.9 | 93.1 | 92.6 | 89.7 | 93.3 | 86.3 | 59.6 | 84.1 | 93.2 | 75.1 | 93.0 | 96.0 | 91.3 |

#### CQS Q Values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85.0 | 88.4 | 86.6 | 89.9 | 95.5 | 95.4 | 92.9 | 90.9 | 87.8 | 81.2 | 79.8 | 91.5 | 93.5 | 94.2 | 89.9 |

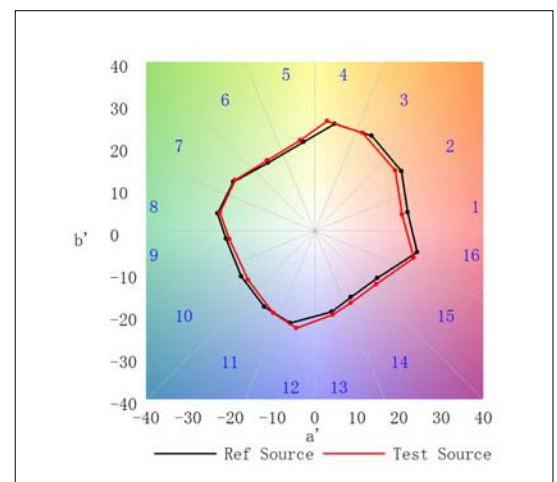
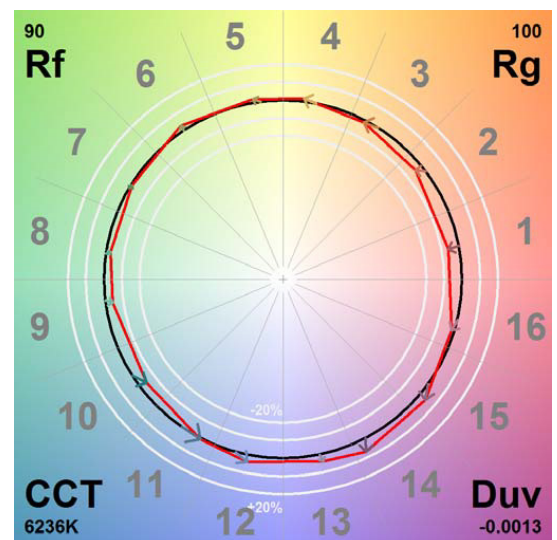
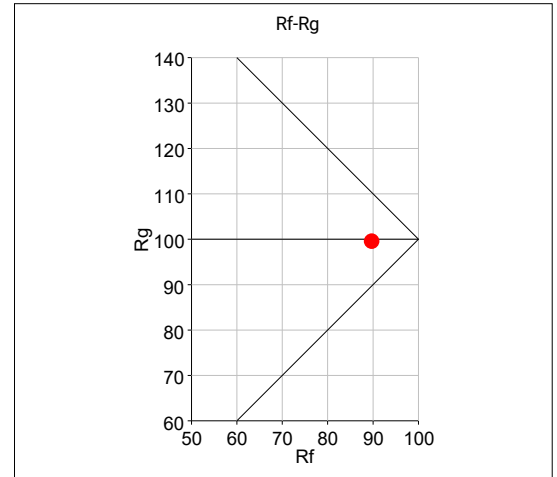
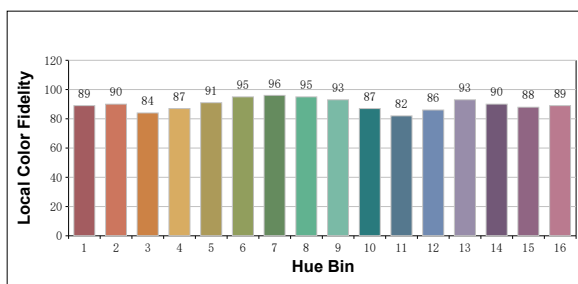
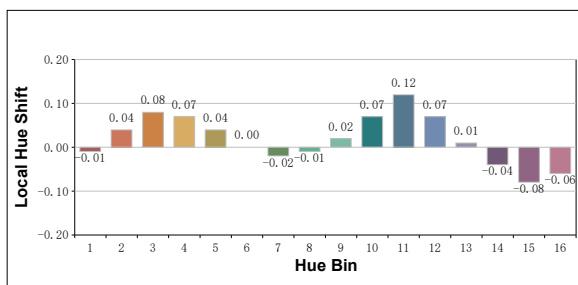
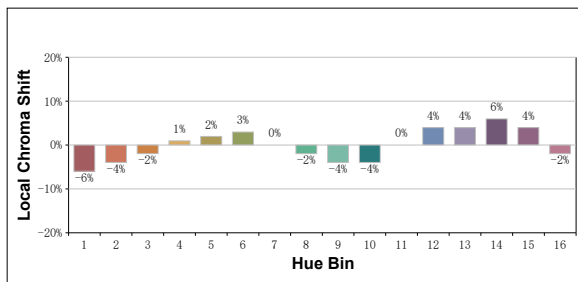
| Color temperature | Color rendering index | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color division from black body |
|-------------------|-----------------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|--------------------------------|
| CCT               | CRI                   | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | $\Delta uv$                    |
| 6,236K            | 91.8                  | 90             | 100         | 90.6                | 0.3181                    | 0.3256                    | 0.2029           | 0.4673           | -0.0013                        |

## PHOTOMETRIC REPORT – TM-30

TM-30 Rf (IES TM-30-18 Fidelity Index): 90

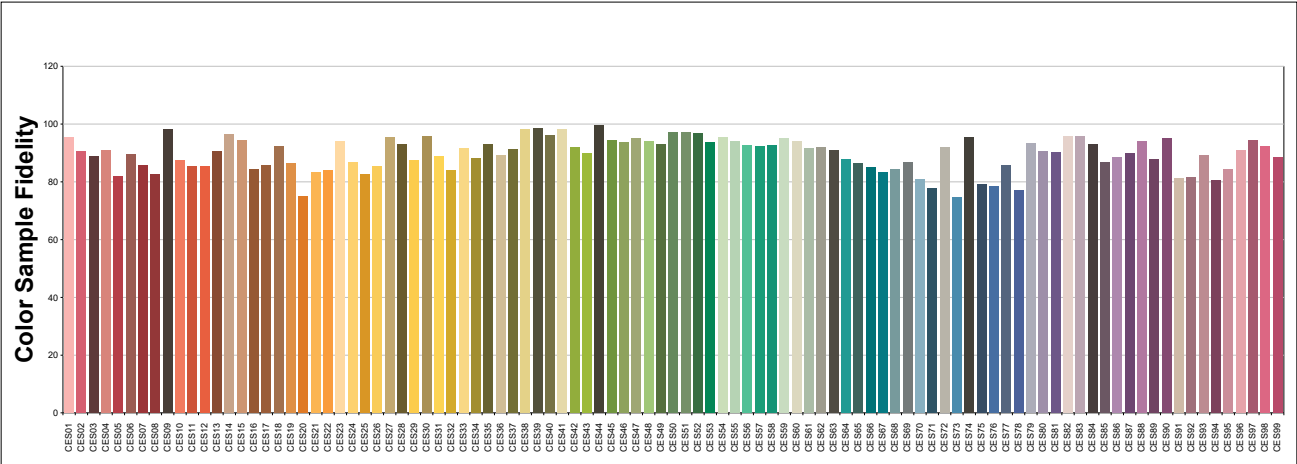
TM-30 Rg (IES TM-30-18 Fidelity Index): 100

| Hue Bin | Hue Angle       | Graphic shift(%) |        |     |
|---------|-----------------|------------------|--------|-----|
|         |                 | Rf               | Chroma | Hue |
| 1       | 0.0° – 22.5°    | 89               | -6     | -1  |
| 2       | 22.5° – 45.0°   | 90               | -4     | 4   |
| 3       | 45.0° – 67.5°   | 84               | -2     | 8   |
| 4       | 67.5° – 90.0°   | 87               | 1      | 7   |
| 5       | 90.0° – 112.5°  | 91               | 2      | 4   |
| 6       | 112.5° – 135.0° | 95               | 3      | 0   |
| 7       | 135.0° – 157.5° | 96               | 0      | -2  |
| 8       | 157.5° – 180.0° | 95               | -2     | -1  |
| 9       | 180.0° – 202.5° | 93               | -4     | 2   |
| 10      | 202.5° – 225.0° | 87               | -4     | 7   |
| 11      | 225.0° – 247.5° | 82               | 0      | 12  |
| 12      | 247.5° – 270.0° | 86               | 4      | 7   |
| 13      | 270.0° – 292.5° | 93               | 4      | 1   |
| 14      | 292.5° – 315.0° | 90               | 6      | -4  |
| 15      | 315.0° – 337.5° | 88               | 4      | -8  |
| 16      | 337.5° – 360.0° | 89               | -2     | -6  |



PHOTOMETRIC REPORT – TM-30

Color Evaluation Sample



PHOTOMETRIC REPORT – TLCI-90



| Sector | Lightness | Chroma | Hue |
|--------|-----------|--------|-----|
| R      | 2         | 1      | 0   |
| R/Y    | 0         | 1      | -2  |
| Y      | -1        | -1     | -2  |
| Y/G    | 0         | -1     | 0   |
| G      | -1        | -1     | 1   |
| G/C    | 0         | 0      | 1   |
| C      | 0         | 0      | 1   |
| C/B    | 1         | 0      | -2  |
| B      | 0         | -2     | -1  |
| B/M    | 1         | 0      | 3   |
| M      | 2         | 0      | 3   |
| M/R    | 2         | 0      | 3   |