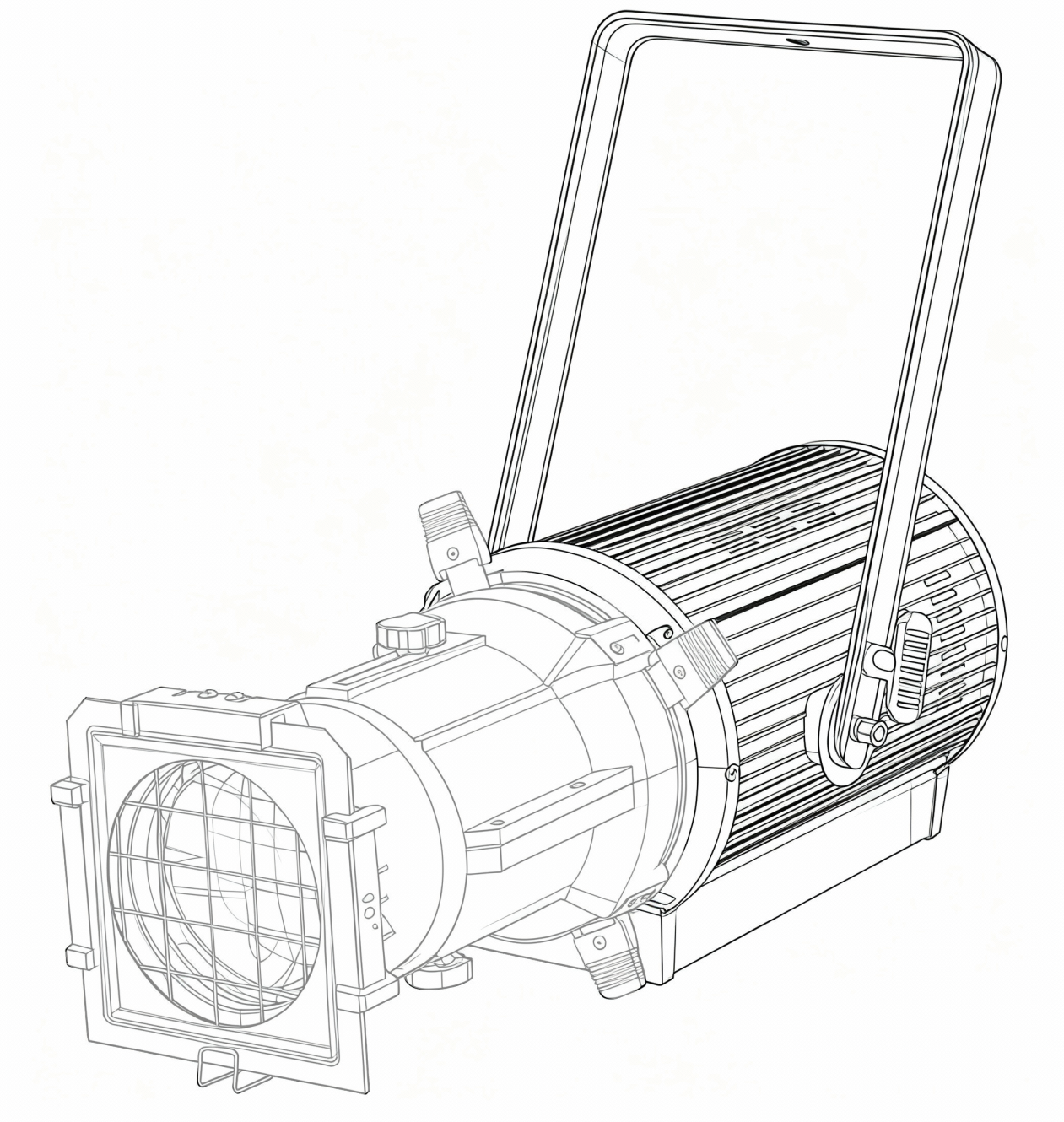
SUNRAY 250 LEKO

RASP-0250-S-02



SUNRAY

AI PRECISION LIGHTING

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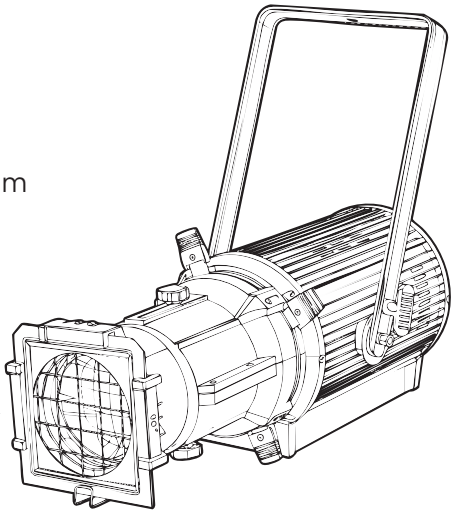
SUNRAY 250 LEKO



Product Description

The SUNRAY 250 LEKO redefines professional profile lighting by combining the warmth of halogen with the precision and efficiency of modern full-spectrum LED technology. Designed to replace the classic ETC Source Four 750W fixture, it delivers superior optical performance, smooth dimming, and color accuracy that meets the demands of today's film, television, and theatrical productions.

With a continuously adjustable color temperature range from 2600 K to 8000 K, the SUNRAY 250 LEKO maintains a CRI above 95 (R1–R15) and TLCI > 98 throughout its entire spectrum. The advanced Halogen Emulation Mode reproduces the soft amber shift of tungsten light during dimming, providing lighting designers with both technical precision and the emotional warmth of traditional halogen sources.

Seamless upgrade for modern production

The SUNRAY 250 LEKO is a true drop-in LED replacement for conventional halogen profile lights. It delivers the same visual character and beam quality that professionals expect from tungsten sources, while drastically reducing power consumption and heat output. The fixture's high-efficiency optical system and intelligent color calibration ensure consistent white balance across multiple units—making it an ideal solution for mixed or multi-camera environments.

The integrated 16-bit flicker-free dimming, DMX/RDM control, and manual operation options provide unmatched flexibility for studio, stage, or live broadcast setups. Whether for theatre, film, or television, the SUNRAY 250 LEKO elevates lighting control and consistency to a new standard of precision.

Engineered for longevity and reliability

Built with premium-grade components and a rugged aluminum chassis, the SUNRAY 250 LEKO is designed for continuous, demanding use in professional environments. Its advanced thermal management system ensures optimal LED performance, extending lifespan and maintaining color stability even under high-output conditions.

The modular optical and electronic architecture allows for quick maintenance and future upgrades, ensuring long-term reliability and adaptability. A whisper-quiet cooling system makes the SUNRAY 250 LEKO ideal for sound-sensitive applications such as broadcast studios and live theatre. Proudly designed and assembled in Taiwan, it represents a fusion of engineering precision and creative craftsmanship.

SUNRAY 250 LEKO

Technical features

Operational Data

Module power consumption	250 W
Supply voltage	90 – 260 Vac, 50 – 60 Hz, autosensing

Electrical

Dimming	Electronic 8-bit /16-bit , 0 – 100% fully adjustable
Control	Local via potentiometer, Remote via DMX-RDM. Setting, addressing and testing via control panel, via RDM
Connections	5-Pin DMX In

Optical Data

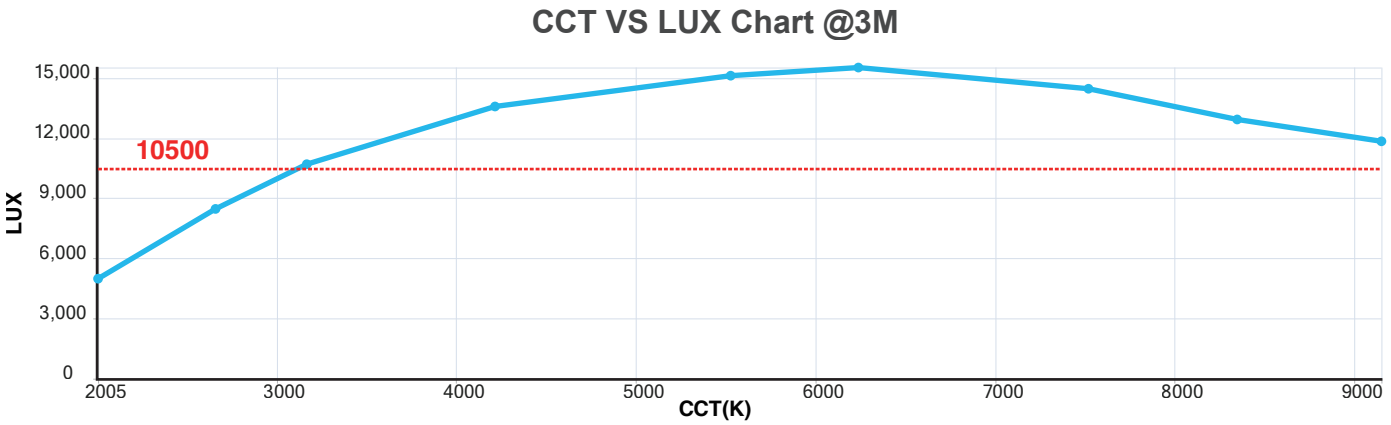
Correlated Color Temperature	2000K-10000K
Duv	+/- 0.0015 @2600K-8000K
CRI	> 95 @2600K-8000K
R9	> 90 @2600K-8000K
TLCI	> 98 @2600K-8000K
Angle 19° Illuminance	> 10500 @3200K 3M > 14500 @5700K 3M
Max lumens	11500 lm @3200K 15400 lm @6500K

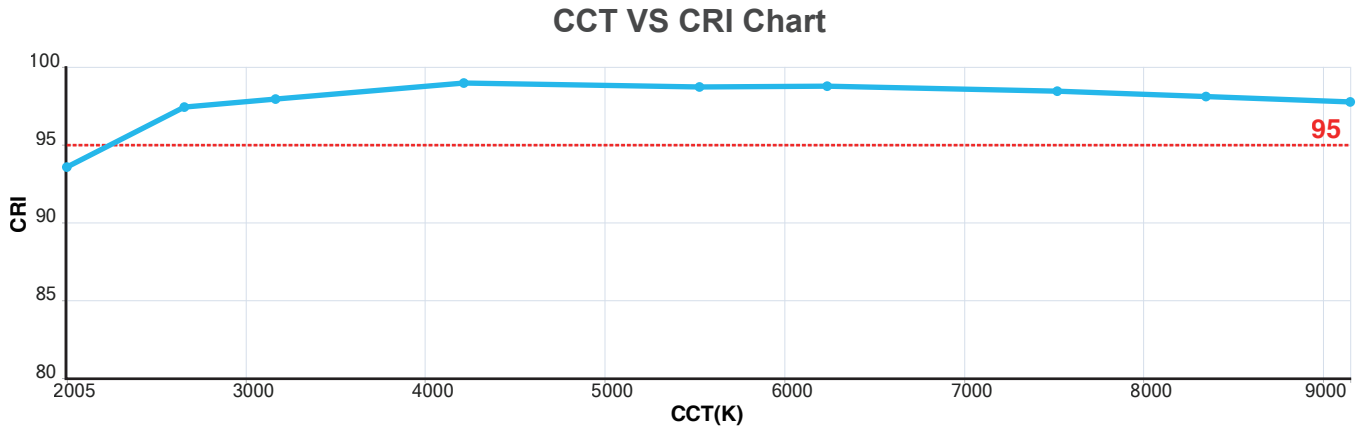
Mechanical Spec

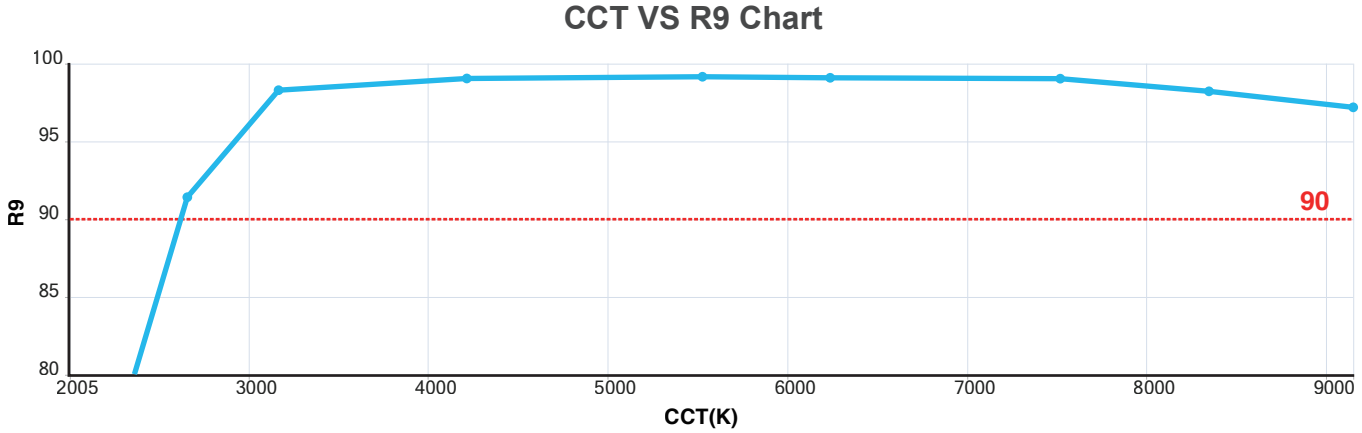
Housing Material	Aluminum Alloy
Outer Dimension	330 x 200 x 220 mm
Weight	3.2 Kg

SUNRAY 250 LEKO

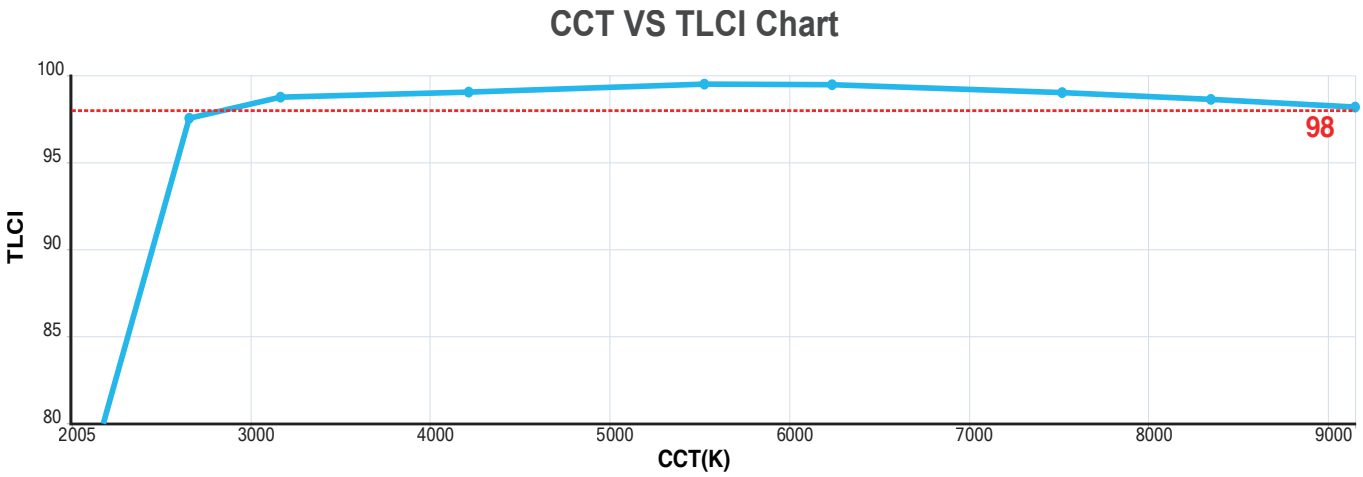
Characteristic Curves



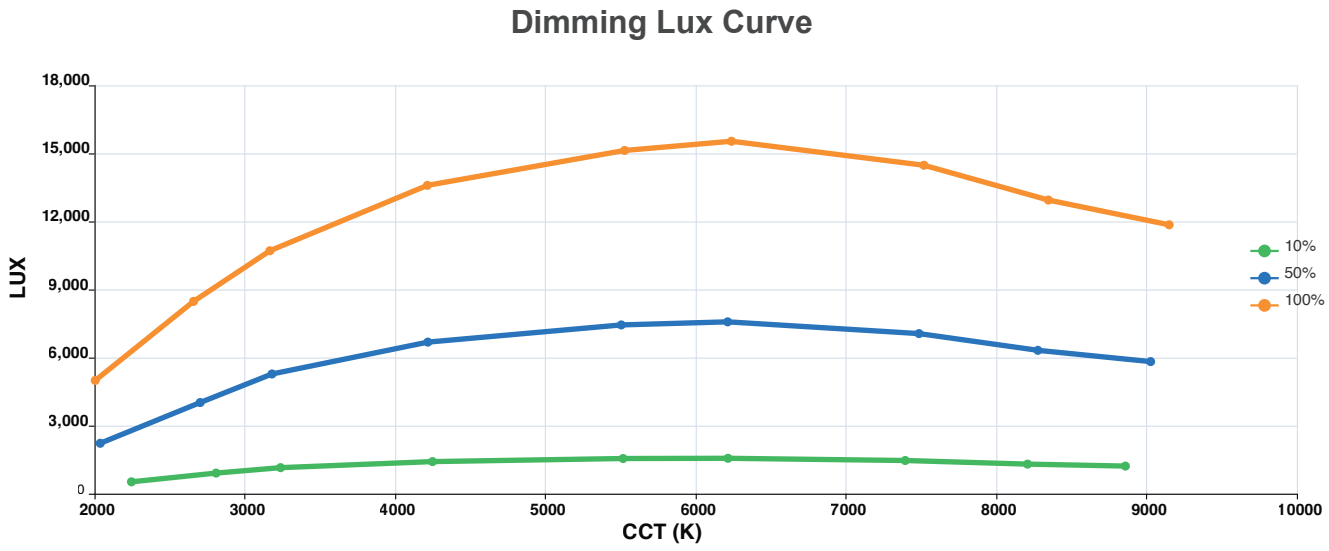




SUNRAY 250 LEKO

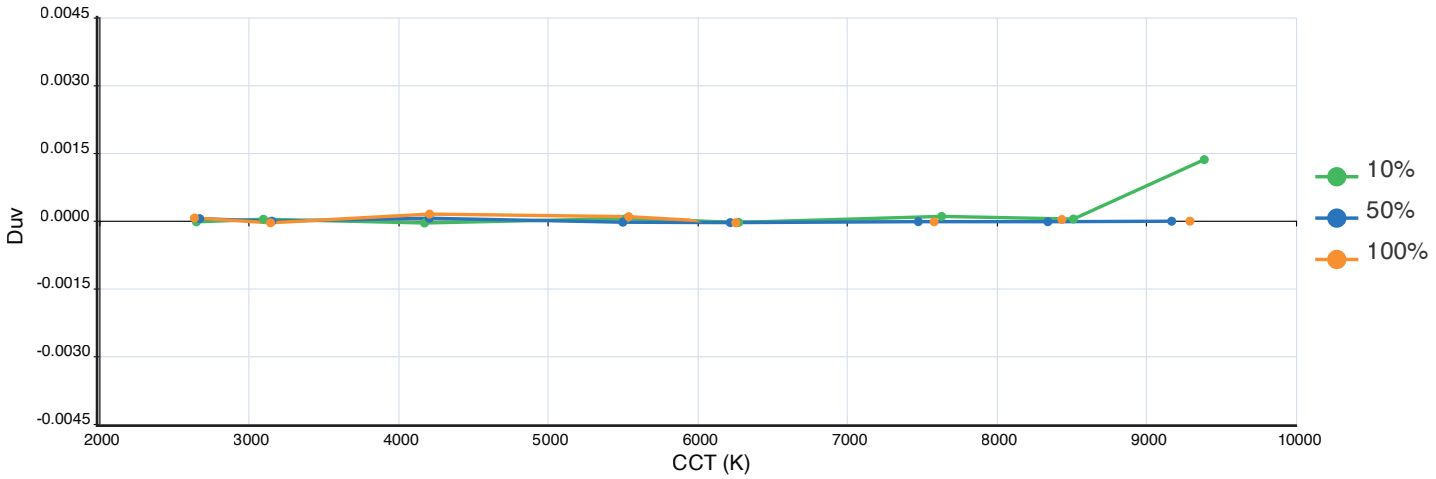


Dimming Curves

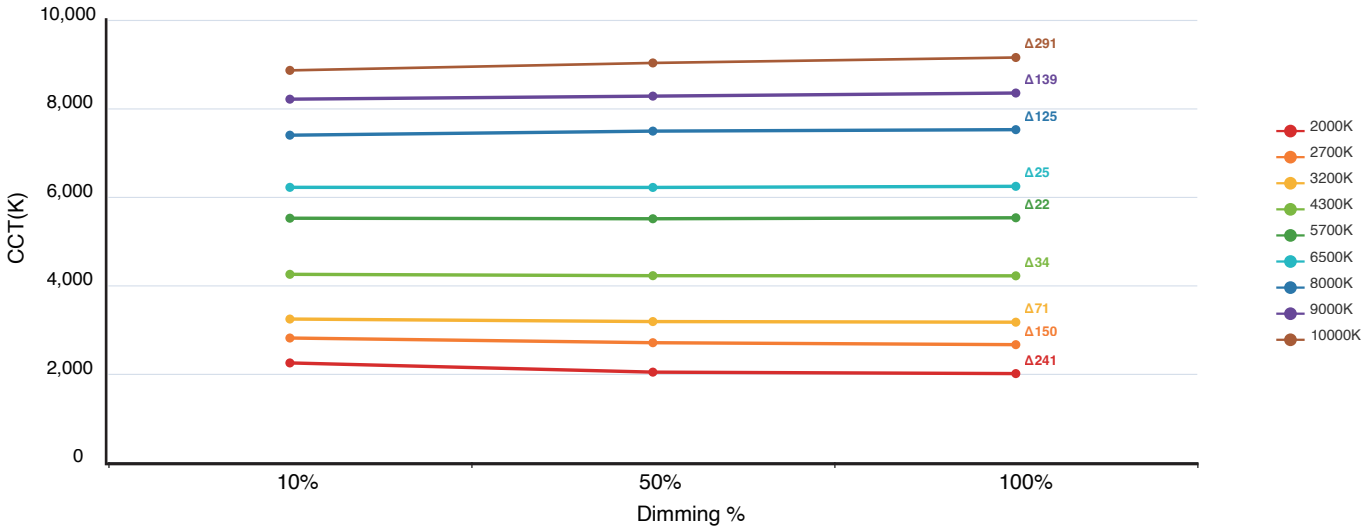


SUNRAY 250 LEKO

Dimming Duv Curve

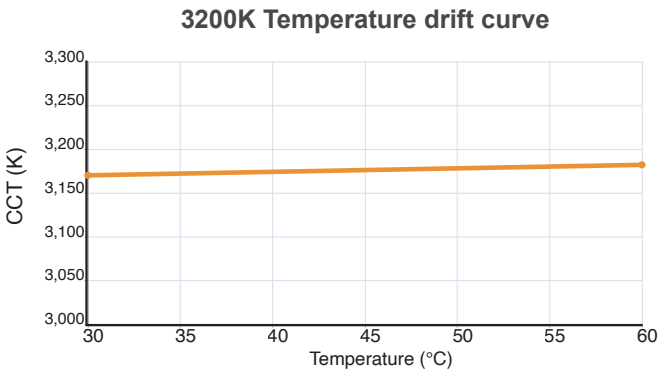


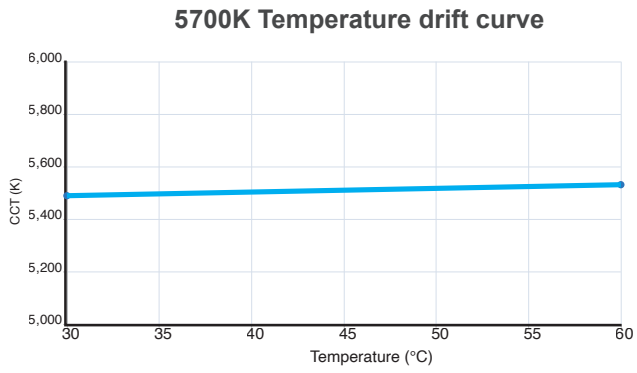
Dimming% vs CCT Chart

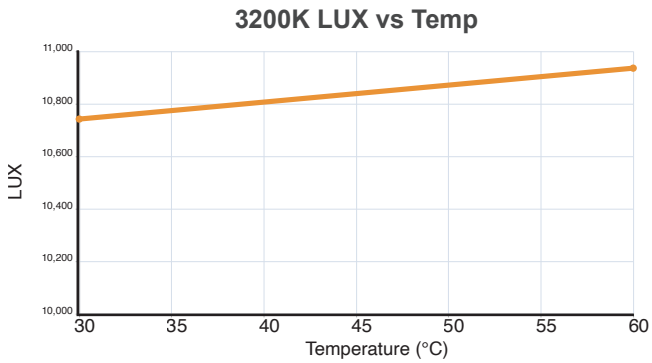


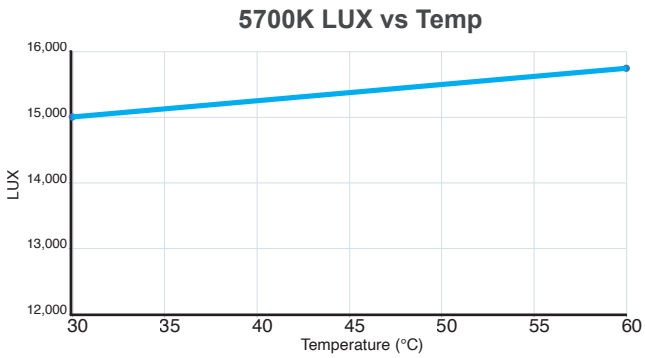
SUNRAY 250 LEKO

Temperature corresponding characteristic curve

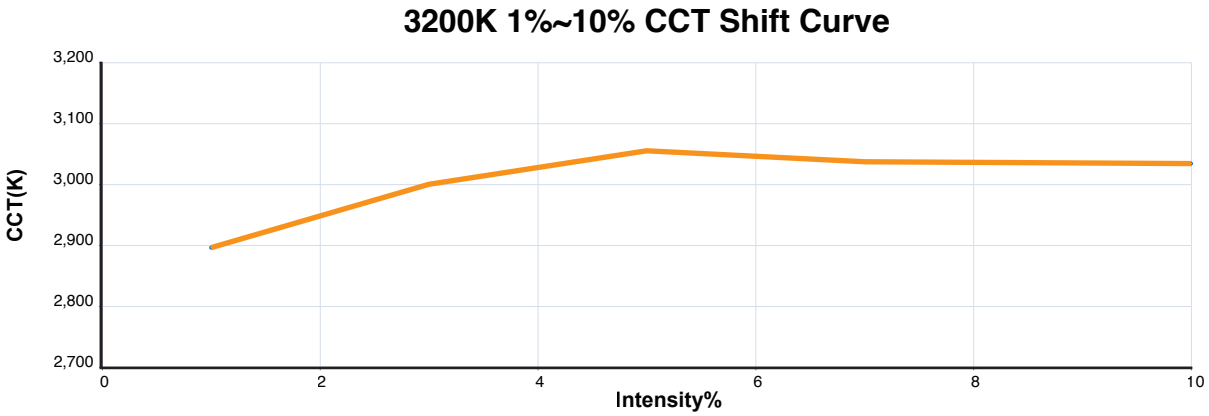


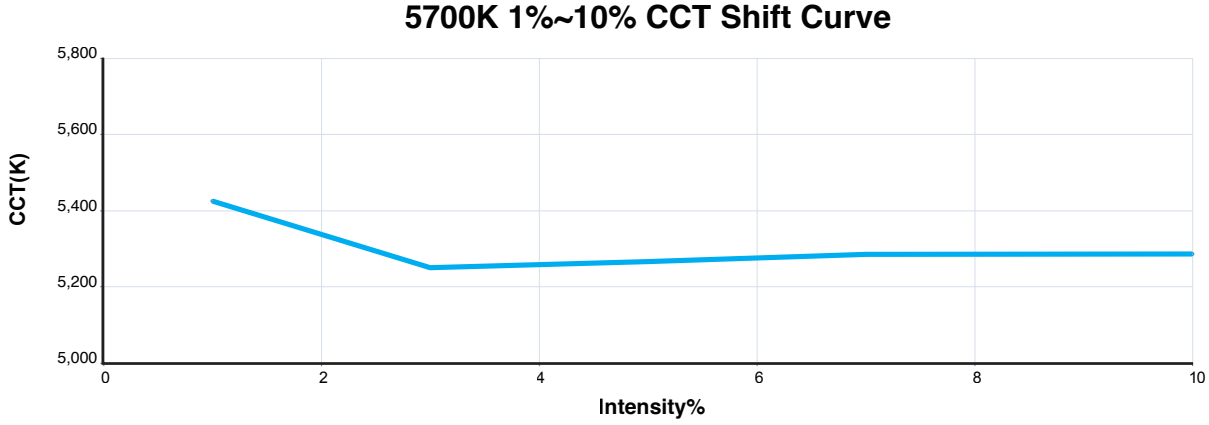






Intensity 1%~10% CCT Shift Curve

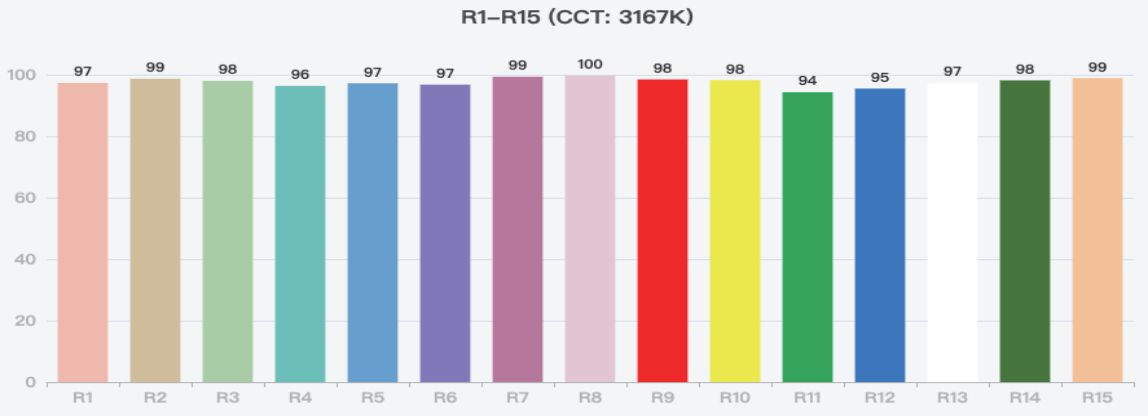


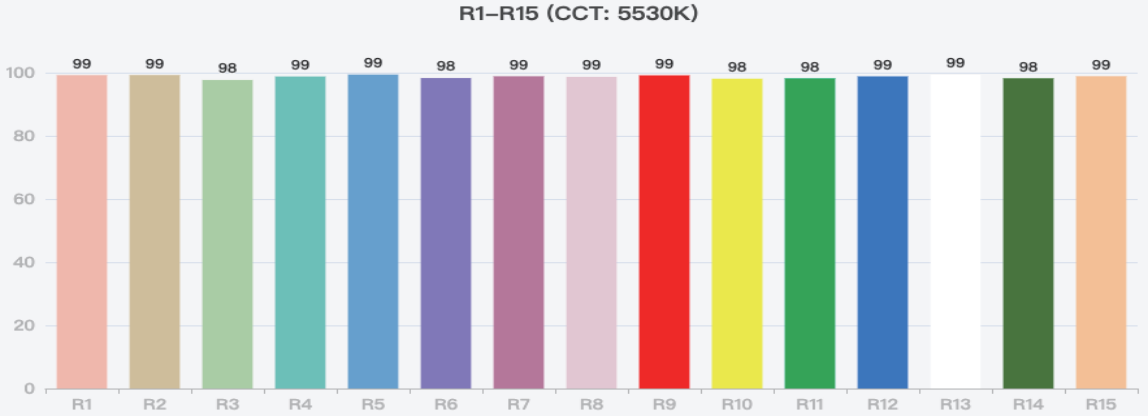


* This chart test includes the front lens, the test distance is 1 meter

SUNRAY 250 LEKO

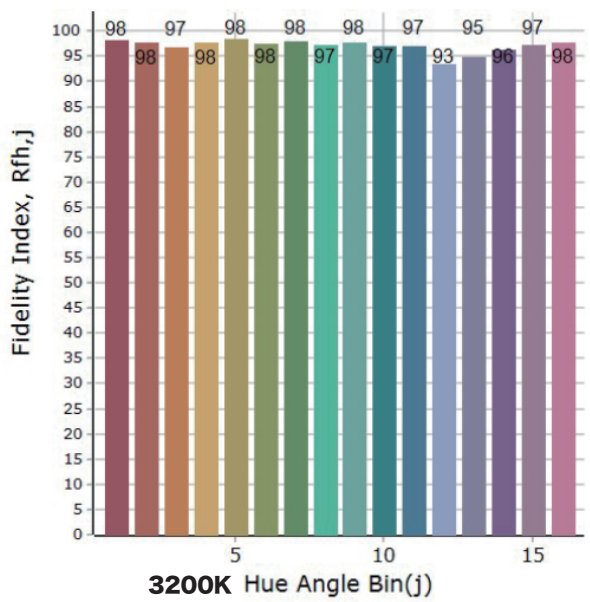
Color Index Specifications

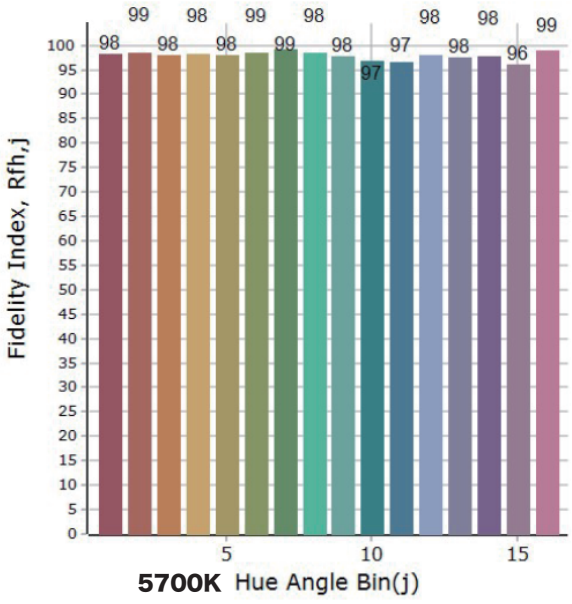




TM-30

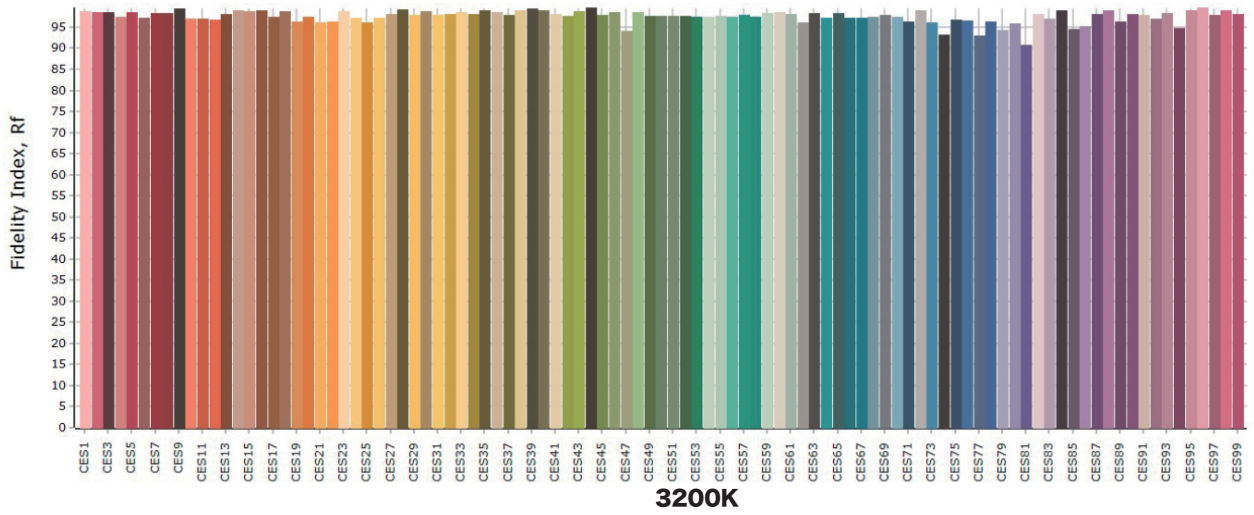
Color Rendition by Hue

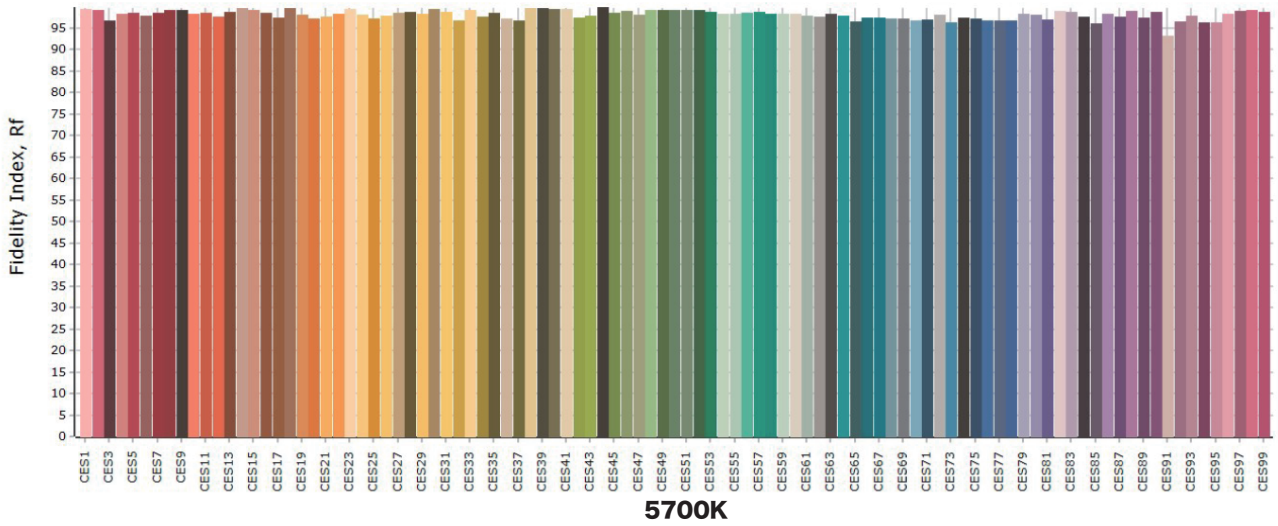




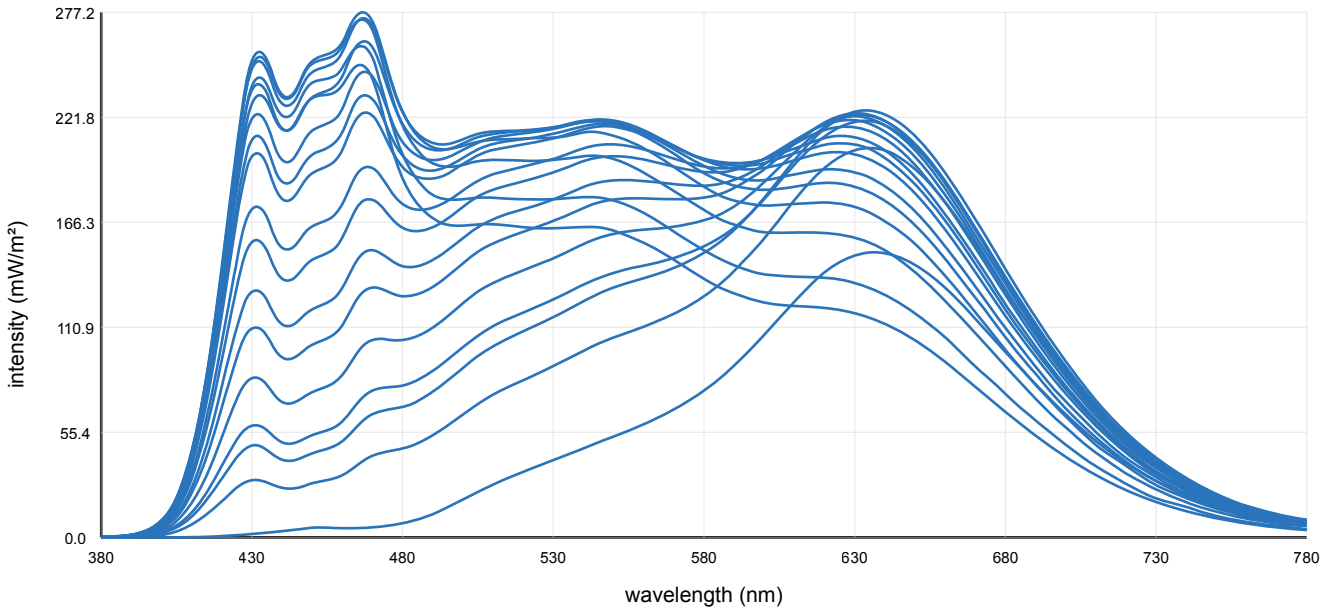
SUNRAY 250 LEKO

TM-30 Color Fidelity b y Sample





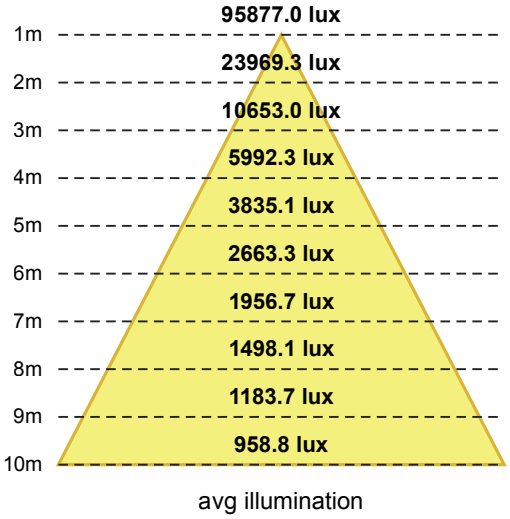
Full Spectrum



SUNRAY 250 LEKO

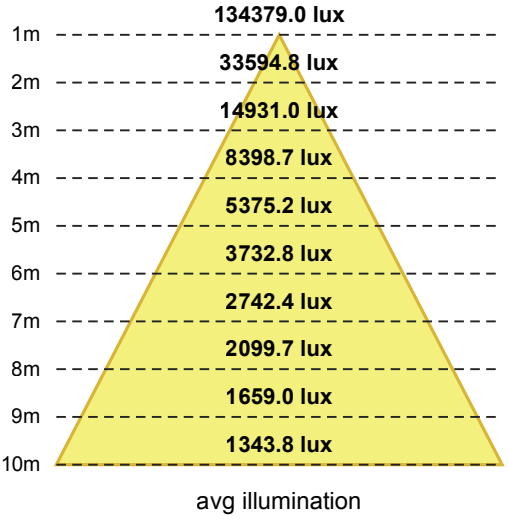
Photometrics

3200 19° Illuminance diagram



avg illumination

5700 19° Illuminance diagram



avg illumination

DMX Channel Table

M1 - M4				
Mode	**Ch1**	**Ch2**	**Ch3**	**Ch4**
CCT (M1)	lintensity	CCT		
CCT+GM (M2)	lintensity	CCT	G/M	
Halogen (M3)	Watt	CCT		
Source (M4)	lintensity	SourceA (0-20%) 3200K (21-40%) D50 (41-60%) 5600K (61-80%) D65 (81-100%)		

M5 (Modes can be switched via the console)				
Mode	**Ch1**	**Ch2** (Mode Switching)	**Ch3**	**Ch4**
CCT (M1)	lintensity	0-25% (0-63)	CCT	
CCT+GM (M2)	lintensity	26-50% (64-127)	CCT	G/M
Halogen (M3)	Watt	51-75% (128-191)	CCT	
Source (M4)	lintensity	76-100% (192-255)	SourceA (0-20%) 3200K (21-40%) D50 (41-60%) 5600K (61-80%) D65 (81-100%)	