

SULLY - 315LPB 4C

315 - 4 COLOURS LED 200W



- **Type:** Single lens luminaire
- **Source:** 4 colours LED 200W
- **Optics:** 200 mm Pebble lens

Single lens

The multifunctional coloured LED spot

Providing a multi-faceted solution in a compact package, Sully 4C 315LPB combines a high-quality 200W 4-colour LED source with a single 200 mm Pebble lens, which can be easily changed for a Fresnel lens. It offers broad coverage with an even beam, for smooth matches between fixtures when installed side by side. Integrating an innovative software platform named RJ Color, its advanced setting modes ensure perfect whites and high quality saturated and pastel colours. In addition to low power consumption and low heat generation, Sully 4C 315LPB delivers consistent colour rendition when dimming.

Features

- **Light intensity:** 8 or 16 bit dimming and strobe function
- **Colour control:** CIE XY, Hue saturation, RGB (with choice of the colour space - Native / sRGB / REC.709 / REC.2020 / ProPhoto) or RAW modes
- **Calibrated white sources:** 3 white presets reproducing tungsten 3000 K or 3200 K lamps, or discharge 6500 K lamps
- **Colour Temperature adjustment (CCT):** white from 1700 to 10000 Kelvin with Delta UV control (+/- Green - Magenta)
- **Colour mixing optimization:** choice of High Quality or High Brightness mode
- **Colour filter simulation:** 300 colour filters included with transmission / saturation adjustment - Fade time and type adjustment between 2 colour filters for adjustable transition
- **DimShift function:** when dimming the light, the colours follow the Planck curve (tungsten redshift emulation) - Available on all sources (white presets, any CCT value) and all colour filters
- **1 parameter DMX mode:** filter or colour selection through local display and dimming control by DMX (8 or 16 bits)
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX - 3 modes available: tungsten, linear and linear with flash detection
- **Theatre front cassette:** no light spill to distract audiences or performers
- **Accessories holder:** double runners to hold accessories and colour filters
- **Barn door:** unique rotating barn door with 4 individually rotating blades - makes even the most difficult angle possible
- **PWM adjustment:** choice of different PWM dimming frequencies
- **Local setup:** dMX address and mode, dimming curve and response time through 4-button display with automatic light switch-off
- **Dimming parameters:** choice of square, linear or tungsten dimming curves
- **Focus reference:** index for easy focus reference
- **Focus adjustment:** smooth focus adjustment from rear
- **Tilt reference on hanging yoke:** index for rapid re-positioning

Optical

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **4-colour mixing LED system:** Red, Green, Blue, and Lime
- **Thermal management of each colour:** thanks to the thermal management algorithms, the colours you have set will stay the same during the performance
- **Factory calibrated source:** to ensure consistency between fixtures
- **Beam shaping:** efficient barndoors in any focus position
- **Electronic dimmer:** dimming without clipping or cut-out at low intensity levels; high quality smoothing

Construction

- **Made in France:** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **PSU:** built-in electronic flicker-free power supply for easy, plug-and-play installation
- **Power connectors:** neutriK® powerCON TRUE1 TOP IN and OUT connectors for daisy chaining
- **Silent-running cooling fans:** ideal for TV studios and opera houses
- **Electronic thermal management system:** ensures maximum performance of the system without any risk of overheating
- **3 cooling modes available:** includes silent mode for perfect integration in concert halls
- **Bodywork:** strong sheet metal construction for durability
- **Captive knobs and handles:** additional security when working at height or in transit
- **Easy access to all parts:** easy cleaning and maintenance

Picture:315LPB 4C

DSEN410_315LPB_4C - 21/12/2023

Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.

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ROBERT JULIAT

Source (Light quality report(s) available at the end of the document)

- **Lamp type:** LED - 4 colours
- **Power:** 196 W
- **Lumen output:** 7730 lm
- **Life:** 36000 hours (L70B50)

Colours	Power *	Lumen output*
Red	57 W	1 540 lm
Green	40 W	2 000 lm
Blue	41 W	500 lm
Lime	58 W	3 690 lm

(*) manufacturer's data

Optics

Characteristics

- **Type:** Single lens
- **Range:** 28° to 96° (Field angle)
9° to 96° configuration possible
- **Lens:** 200 mm Pebble lens

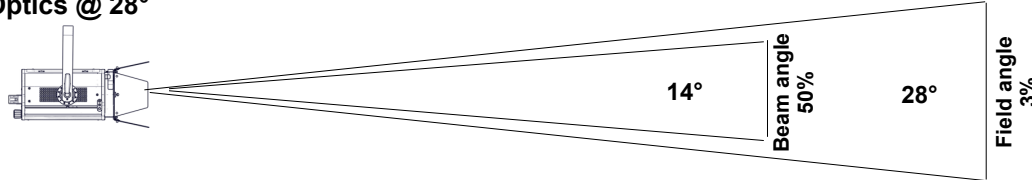
Gel filter

- **Shape:** Square
- **Standard size:** 215x215 mm (8.5x8.5 in)

Photometrics (Photometrics report(s) available at the end of the document)

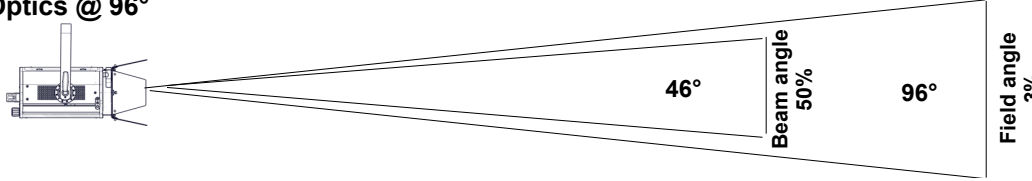
optics: 28°-96° / Standard / 3200 K / High Brightness

• Optics @ 28°



Distance	3 m	5 m	7 m	10 m	12 m	15 m	Beam intensity 41 600 cd	
Diameter	1.5 m	2.5 m	3.5 m	5 m	6 m	7.5 m		Field lumens 2 730 lm
Illumination	4 650 lux	1 700 lux	850 lux	420 lux	290 lux	190 lux		
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft		
Diameter	5 ft	7.5 ft	12.5 ft	17.5 ft	19.9 ft	24.9 ft		
Illumination	420 fc	190 fc	70 fc	34 fc	27 fc	17 fc		

• Optics @ 96°

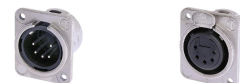


Distance	3 m	5 m	7 m	10 m	12 m	15 m	Beam intensity 5 900 cd	
Diameter	6.7 m	11.1 m	15.5 m	22.2 m	26.7 m	33.3 m		Field lumens 6 050 lm
Illumination	660 lux	240 lux	130 lux	60 lux	41 lux	27 lux		
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft		
Diameter	22.2 ft	33.3 ft	55.5 ft	77.7 ft	88.8 ft	111.1 ft		
Illumination	60 fc	27 fc	10 fc	5 fc	4 fc	3 fc		

Remote control

- **Data protocol:** USITT DMX512-A
RDM

- **Data IN connector:** 5 pins XLR male
- **Data OUT connector:** 5 pins XLR female



• DMX chart:

Mode 1 (1 channels)

Dimmer

Mode 2 (6 channels)

Dimmer
Dimmer fine
Strobe duration
Strobe speed
Response time
Control mode

Mode 3 (20 channels)

Dimmer @16b
Strobe: duration + speed
Response time
Control mode
Source type
Filter + adjustments
CCT + delta UV
CIE XY Colour control @16b

Mode 4 (20 channels)

Dimmer @16b
Strobe: duration + speed
Response time
Control mode
Source type
Filter + adjustments
CCT + delta UV
Hue Saturation @16b

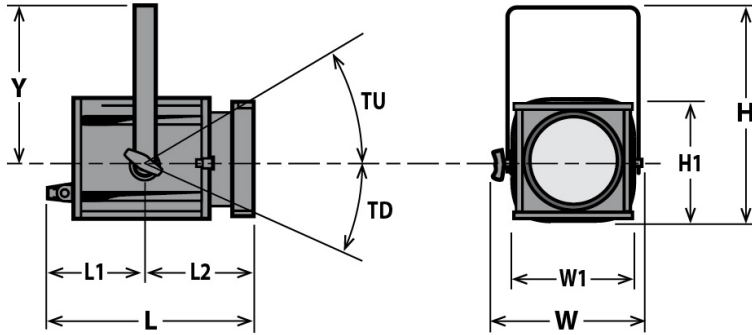
Mode 5 (22 channels)

Dimmer @16b
Strobe: duration + speed
Response time
Control mode
Source type
Filter + adjustments
CCT + delta UV
RGB colour control @16b

Mode 6 (24 channels)

Dimmer @16b
Strobe: duration + speed
Response time
Control mode
Source type
Filter + adjustments
CCT + delta UV
RGBL colour control @16b

Dimensions and weight



Weight: 11.5 kg (25.3 lbs)

Height	Length	Width	Yoke	Tilt
H= 432 mm (17 in) H1= 258 mm (10.2 in)	L= 456 mm (18 in) L1= 253 mm (10 in) L2= 203 mm (8 in)	W= 342 mm (13.5 in) W1= 250 mm (9.8 in)	Y= 303 mm (11.9 in)	TU= TBD° TD= 90°

Shipping

- **Weight :** 13.4 kg (29.5 lbs)
- **Volume :** .06 m³ (2.26 ft³)

Installation

- **Minimum distance to illuminated surface:** 0.1 m (0.3 ft)
- **Operating position:**



Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise variable fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** °C (°F)
- **Total heat dissipation:** 597 BTU/h
- **Ingress Protection (IP) rating:** IP20

Electrical compatibility

- 220/230 V - 50 Hz
- 245 V - 50 Hz
- 110/120 V - 60 Hz
- 208 V - 60 Hz
- 220/230 V - 60 Hz
- 100 V - 50 Hz
- 100 V - 60 Hz
- Selector: automatic detection

Power input



- **Type:** removable power cord with Neutrik powerCON TRUE1 TOP connector (included)
- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9.8 ft)
- **Power connector:** CEE 7/7 (2P+E NF/Schuko)

Power consumption

Voltage	Frequency	Current	Power	Power factor
230 V	50 Hz	0.88 A	175 W	0.87
110 V	60 Hz	1.67 A	178 W	0.98
100 V	60 Hz	1.82 A	178 W	0.99

Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** / DMX
- **Protection:** Mains: 2x 6.3A 5x20 T fuses /
- **Power thru:** Neutrik powerCON TRUE1 TOP - Maximum of 11 units (230 V) / 8 units (120 V)

Warranty

- **Fixture: 3 years**
See General Sales Condition on website

Approvals




Acoustics

- **Noise level:** < 25,3 dB(A)




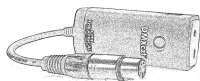




Model

315LPB 4C	4 colours LED 200W Single lens luminaire - 200mm Pebble - 315LPB 4C Sully
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Options

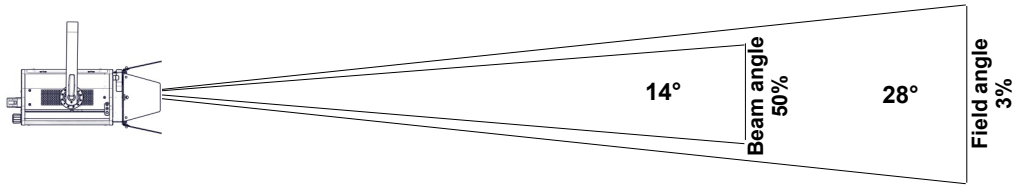
PCP1716A	16A blue 2P+E 6h IEC60309 power connector	
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Accessories

PF1000M2	215x215mm metal filter holder 1 included	
ROPT2	Narrow beam extender for 315LPB	
CF1000	4 rotating leaves on a rotating barndoor - 215x215mm (without safety cable) - Poids: 1.03 Kg	
DMXcat	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®	
876	Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Poids: 1.25 Kg	
880	Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Poids: 1.36 Kg	
CS2	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	
CS5	Safety cable Ø1,5 mm L=300mm for front accessory with karabiner and quick link - SWL: 25 Kg	

• Optics @ 28°

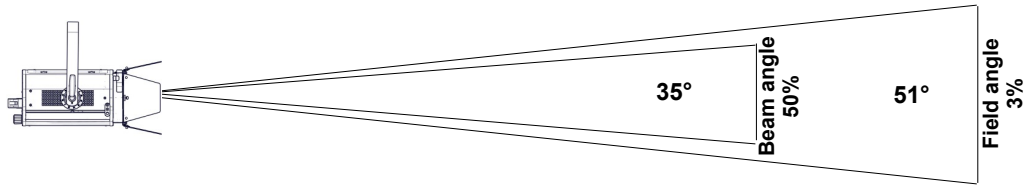
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 730 Lm		20 Lm/W	41 600 Cd	3 580 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	4 650 lux	1 700 lux	850 lux	420 lux	290 lux	190 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	420 fc	190 fc	70 fc	34 fc	27 fc	17 fc

• Optics @ 51°

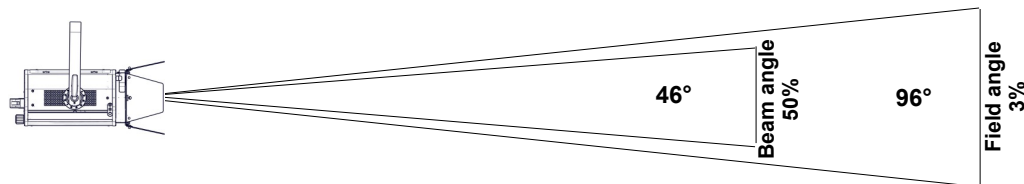
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 920 Lm		25 Lm/W	13 000 Cd	3 490 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	1 450 lux	530 lux	270 lux	140 lux	95 lux	60 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	140 fc	60 fc	21 fc	11 fc	9 fc	6 fc

• Optics @ 96°

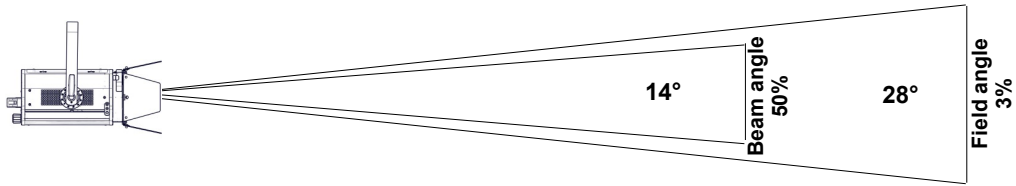
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
6 050 Lm		34 Lm/W	5 900 Cd	3 640 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	660 lux	240 lux	130 lux	60 lux	41 lux	27 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	27 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 28°

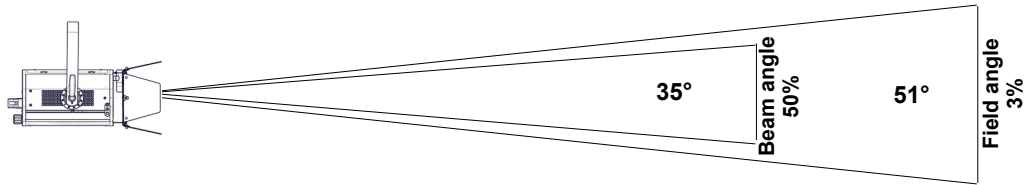
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 690 Lm		17 Lm/W	41 100 Cd	3 340 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	4 600 lux	1 650 lux	840 lux	420 lux	290 lux	190 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	420 fc	190 fc	70 fc	34 fc	26 fc	17 fc

• Optics @ 51°

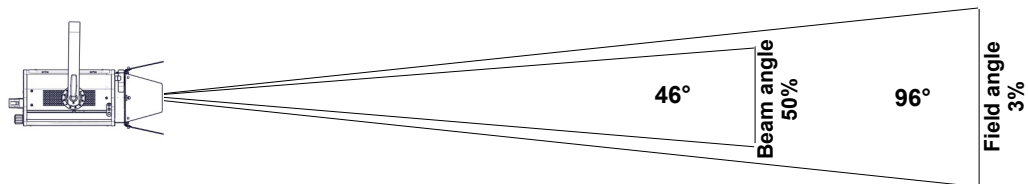
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 850 Lm		24 Lm/W	12 700 Cd	3 270 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	1 450 lux	510 lux	260 lux	130 lux	90 lux	60 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	130 fc	60 fc	21 fc	11 fc	8 fc	6 fc

• Optics @ 96°

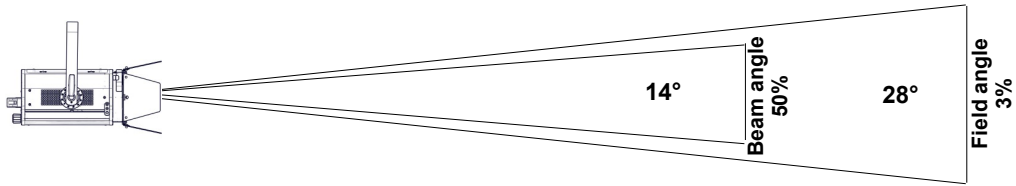
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
5 990 Lm		37 Lm/W	5 800 Cd	3 380 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	650 lux	240 lux	120 lux	60 lux	41 lux	26 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	26 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 28°

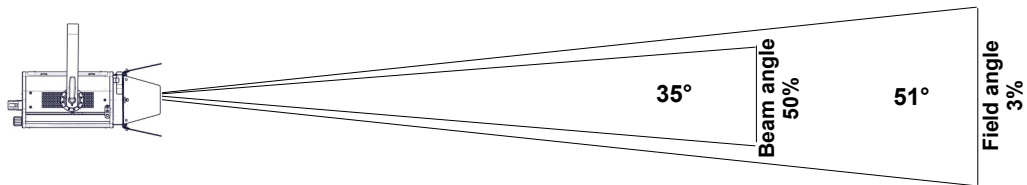
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 730 Lm		16 Lm/W	41 500 Cd	6 950 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	4 650 lux	1 700 lux	850 lux	420 lux	290 lux	190 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	420 fc	190 fc	70 fc	34 fc	26 fc	17 fc

• Optics @ 51°

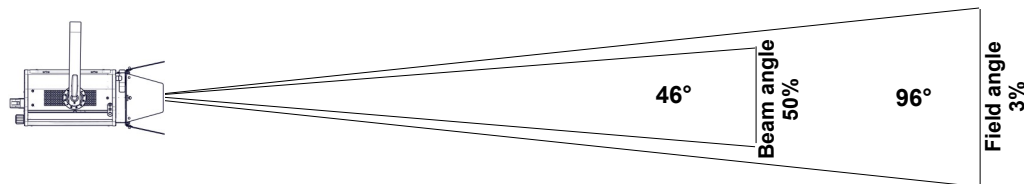
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 890 Lm		23 Lm/W	12 900 Cd	6 500 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	1 450 lux	520 lux	270 lux	130 lux	90 lux	60 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	130 fc	60 fc	21 fc	11 fc	9 fc	6 fc

• Optics @ 96°

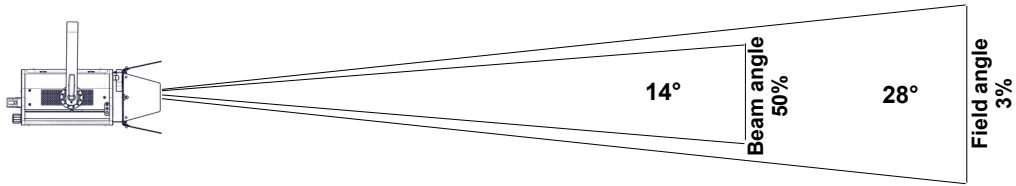
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
6 200 Lm		37 Lm/W	5 900 Cd	6 540 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	660 lux	240 lux	130 lux	60 lux	41 lux	27 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	27 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 28°

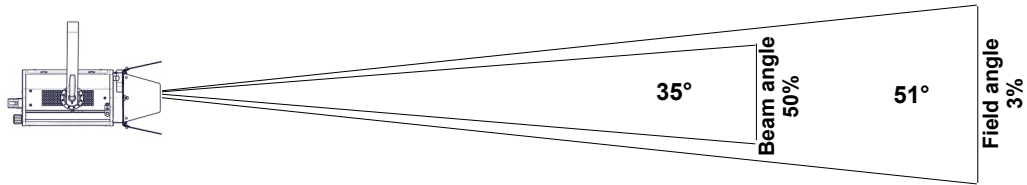
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 900 Lm		20 Lm/W	28 000 Cd	3 360 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	3 150 lux	1 150 lux	580 lux	290 lux	200 lux	130 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	290 fc	130 fc	45 fc	23 fc	18 fc	12 fc

• Optics @ 51°

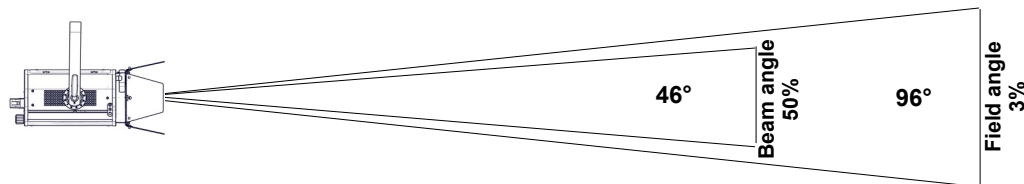
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 670 Lm		27 Lm/W	8 700 Cd	3 290 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	970 lux	350 lux	180 lux	90 lux	65 lux	39 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	90 fc	39 fc	14 fc	8 fc	6 fc	4 fc

• Optics @ 96°

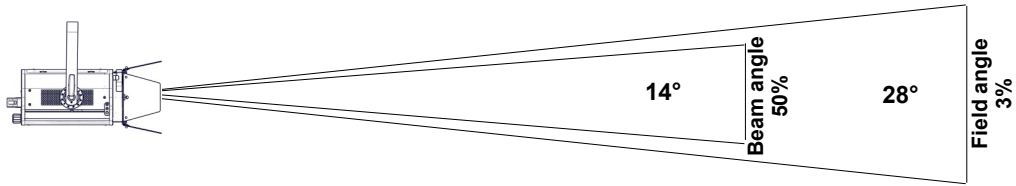
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 390 Lm		43 Lm/W	3 900 Cd	3 390 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	440 lux	160 lux	80 lux	40 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	40 fc	18 fc	7 fc	4 fc	3 fc	2 fc

• Optics @ 28°

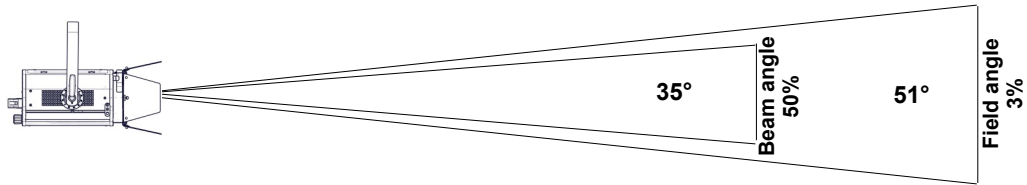
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 920 Lm		20 Lm/W	28 300 Cd	3 190 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	3 150 lux	1 150 lux	580 lux	290 lux	200 lux	130 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	290 fc	130 fc	46 fc	24 fc	18 fc	12 fc

• Optics @ 51°

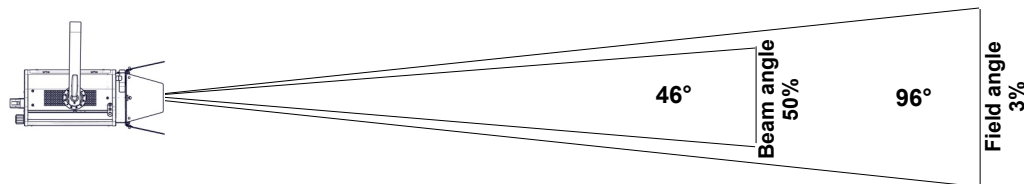
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 690 Lm		27 Lm/W	8 700 Cd	3 090 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	970 lux	350 lux	180 lux	90 lux	65 lux	39 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	90 fc	39 fc	14 fc	8 fc	6 fc	4 fc

• Optics @ 96°

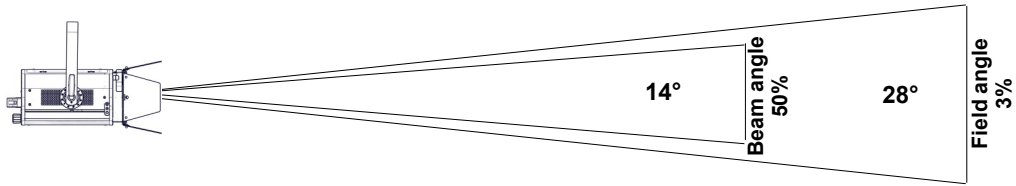
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
4 030 Lm		41 Lm/W	4 000 Cd	3 180 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	450 lux	170 lux	85 lux	41 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	41 fc	18 fc	7 fc	4 fc	3 fc	2 fc

• Optics @ 28°

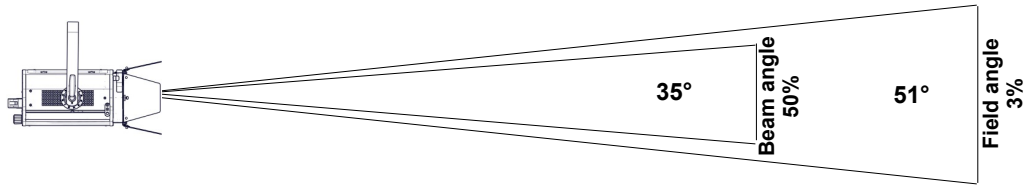
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 950 Lm		18 Lm/W	28 900 Cd	6 820 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,5 m	3,5 m	5 m	6 m	7,5 m
Illumination	3 250 lux	1 200 lux	590 lux	290 lux	210 lux	130 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5 ft	7,5 ft	12,5 ft	17,5 ft	19,9 ft	24,9 ft
Illumination	290 fc	130 fc	47 fc	24 fc	19 fc	12 fc

• Optics @ 51°

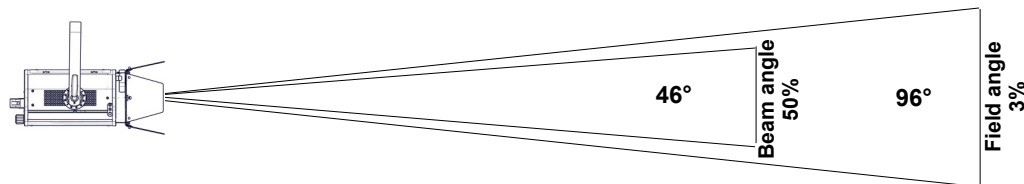
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 710 Lm		23 Lm/W	8 900 Cd	6 550 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,9 m	4,8 m	6,7 m	9,5 m	11,4 m	14,3 m
Illumination	990 lux	360 lux	190 lux	90 lux	65 lux	40 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	9,5 ft	14,3 ft	23,8 ft	33,4 ft	38,2 ft	47,7 ft
Illumination	90 fc	40 fc	15 fc	8 fc	6 fc	4 fc

• Optics @ 96°

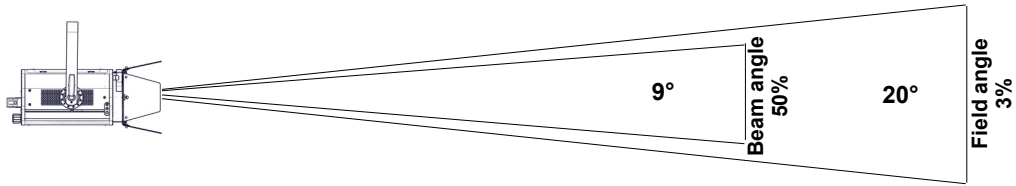
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
4 270 Lm		39 Lm/W	4 000 Cd	6 600 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	450 lux	170 lux	85 lux	41 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	41 fc	18 fc	7 fc	4 fc	3 fc	2 fc

• Optics @ 9°

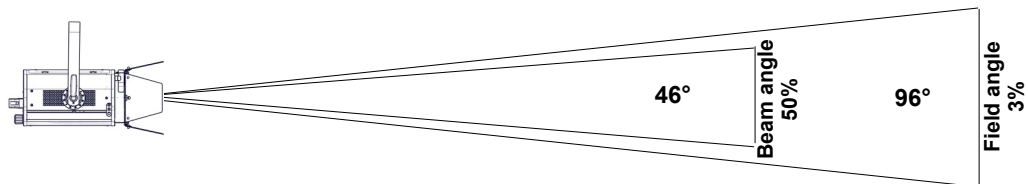
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 310 Lm			81 900 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	9 200 lux	3 300 lux	1 700 lux	820 lux	570 lux	370 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	820 fc	370 fc	140 fc	70 fc	55 fc	33 fc

• Optics @ 96°

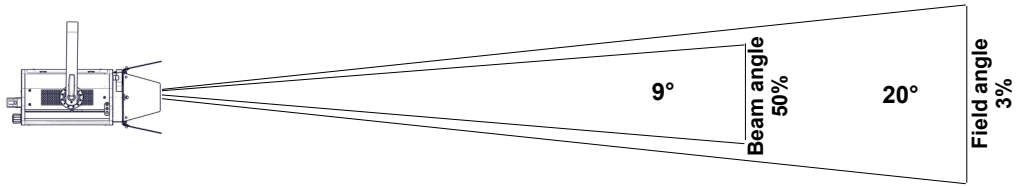
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
6 050 Lm		34 Lm/W	5 900 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	660 lux	240 lux	130 lux	60 lux	41 lux	27 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	27 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 9°

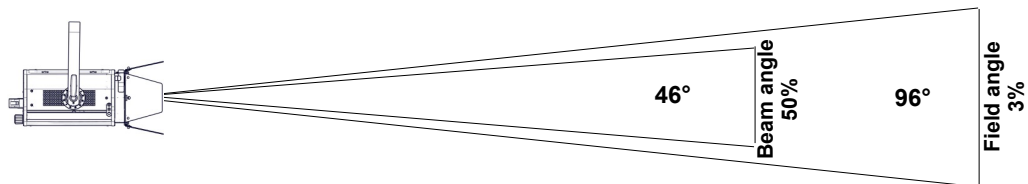
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 300 Lm			81 100 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	9 100 lux	3 250 lux	1 700 lux	820 lux	570 lux	370 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	820 fc	370 fc	130 fc	70 fc	55 fc	33 fc

• Optics @ 96°

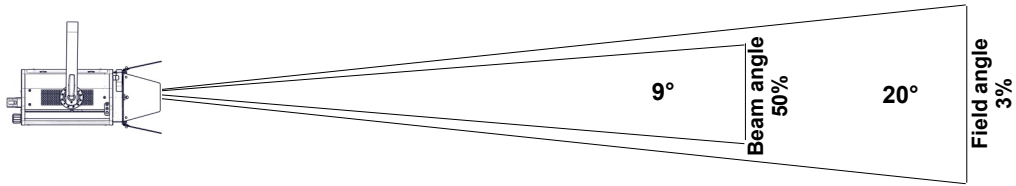
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
5 990 Lm		37 Lm/W	5 800 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	650 lux	240 lux	120 lux	60 lux	41 lux	26 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	26 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 9°

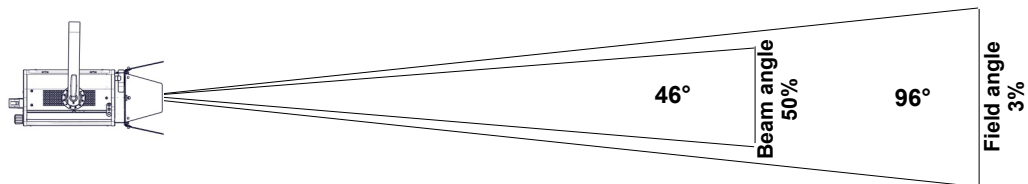
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
2 310 Lm			80 500 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	9 000 lux	3 250 lux	1 650 lux	810 lux	560 lux	360 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	810 fc	360 fc	130 fc	70 fc	55 fc	33 fc

• Optics @ 96°

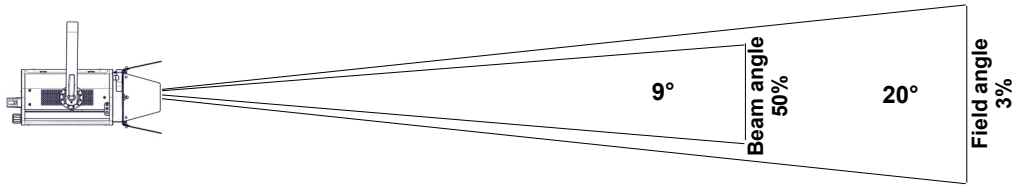
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
6 200 Lm		37 Lm/W	5 900 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	660 lux	240 lux	130 lux	60 lux	41 lux	27 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	60 fc	27 fc	10 fc	5 fc	4 fc	3 fc

• Optics @ 9°

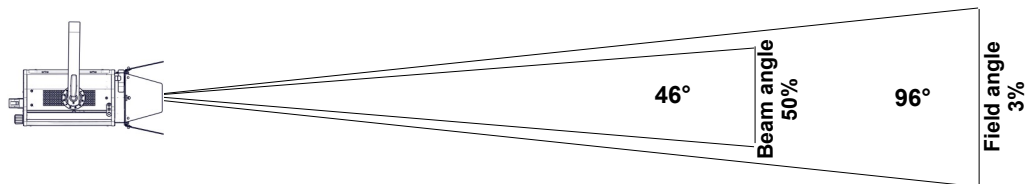
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 530 Lm			54 700 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	6 100 lux	2 200 lux	1 150 lux	550 lux	380 lux	250 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	550 fc	250 fc	90 fc	45 fc	35 fc	22 fc

• Optics @ 96°

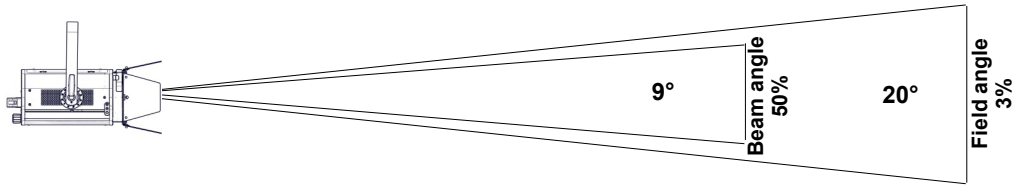
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 390 Lm		43 Lm/W	3 900 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	440 lux	160 lux	80 lux	40 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	40 fc	18 fc	7 fc	4 fc	3 fc	2 fc

• Optics @ 9°

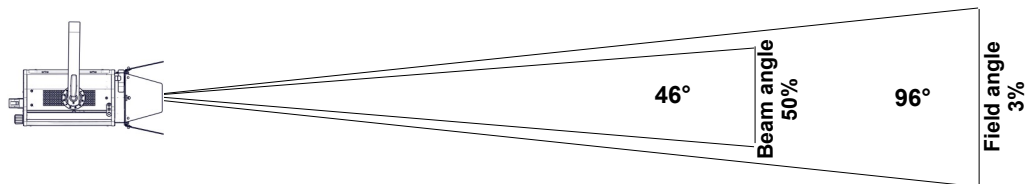
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 500 Lm			54 700 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	6 100 lux	2 200 lux	1 150 lux	550 lux	380 lux	250 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	550 fc	250 fc	90 fc	45 fc	35 fc	22 fc

• Optics @ 96°

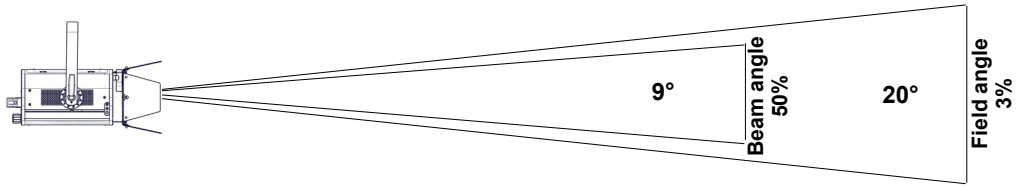
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
4 030 Lm		41 Lm/W	4 000 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	450 lux	170 lux	85 lux	41 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	41 fc	18 fc	7 fc	4 fc	3 fc	2 fc

• Optics @ 9°

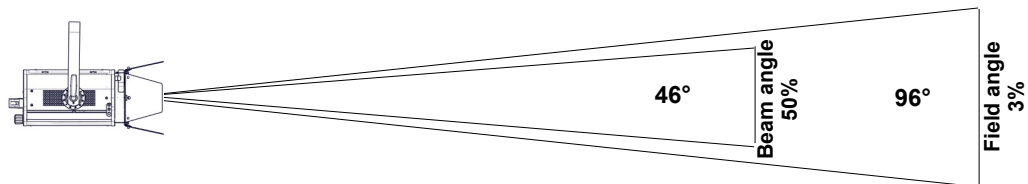
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
1 550 Lm			56 000 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,1 m	1,8 m	2,5 m	3,5 m	4,2 m	5,3 m
Illumination	6 300 lux	2 250 lux	1 150 lux	570 lux	390 lux	250 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3,5 ft	5,3 ft	8,8 ft	12,3 ft	14,1 ft	17,6 ft
Illumination	570 fc	250 fc	90 fc	46 fc	36 fc	23 fc

• Optics @ 96°

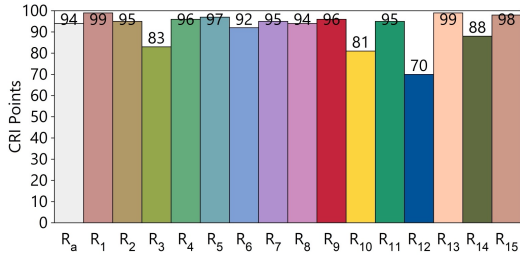
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
4 270 Lm		39 Lm/W	4 000 Cd		



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	6,7 m	11,1 m	15,5 m	22,2 m	26,7 m	33,3 m
Illumination	450 lux	170 lux	85 lux	41 lux	28 lux	18 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	22,2 ft	33,3 ft	55,5 ft	77,7 ft	88,8 ft	111,1 ft
Illumination	41 fc	18 fc	7 fc	4 fc	3 fc	2 fc

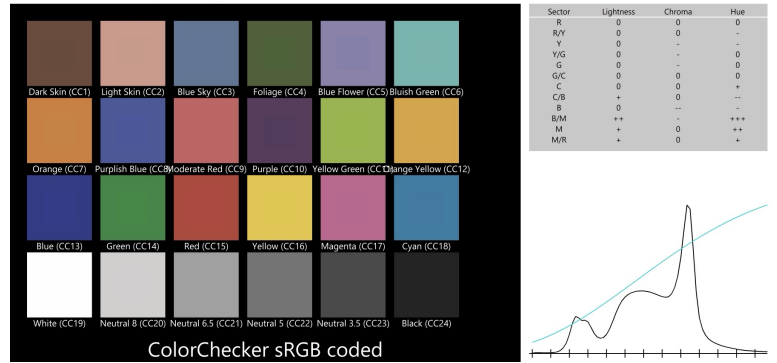
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3113]
3 110K	0.0019	94	96	93	91	103	88	69

CRI - CIE Colour Rendering Index

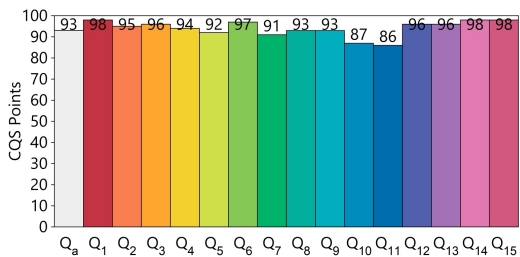


TLCI - Television Lighting Consistency Index

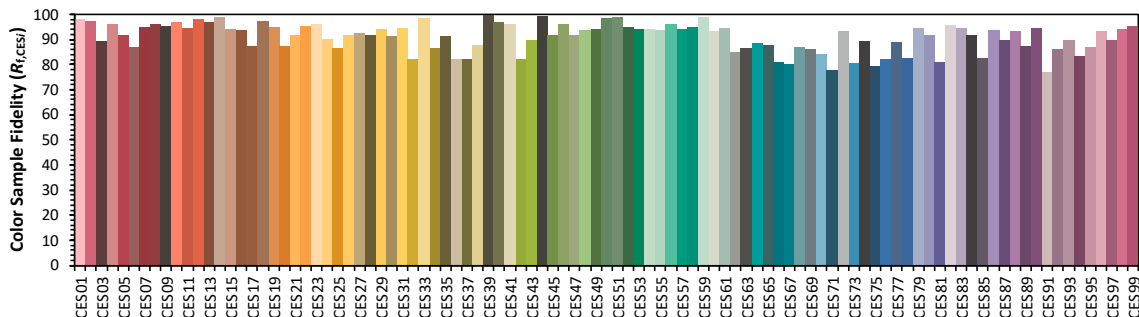
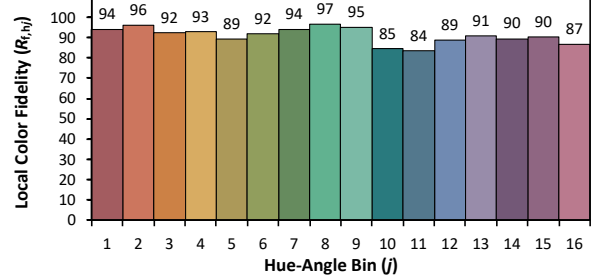
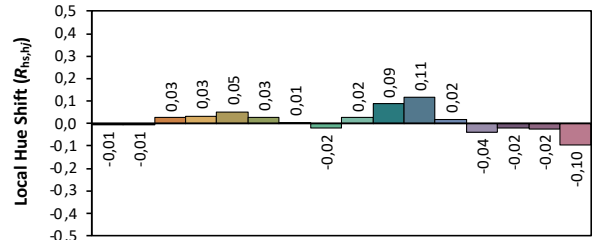
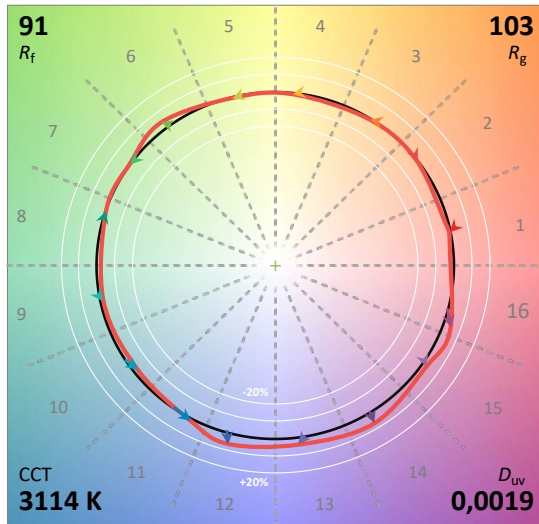
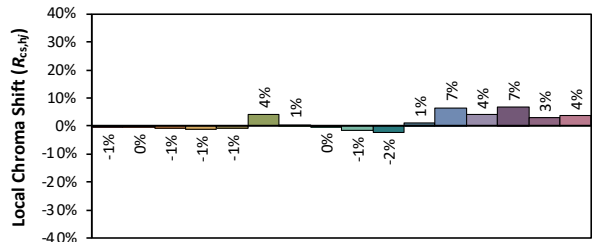
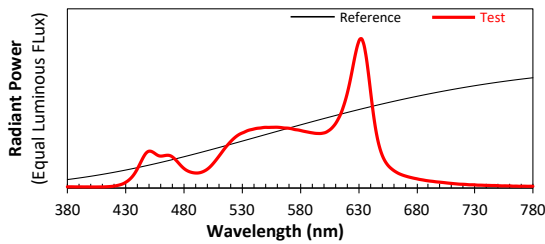
Test : CCT = P3114 (+0.3)
 TLCI-2012 : 88 (P3114)



CQS - NIST Colour Quality Scale

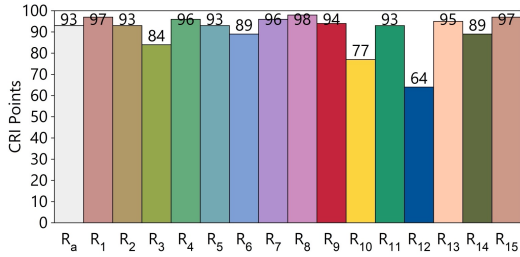


ANSI/IES TM-30-18 Colour Rendition Report



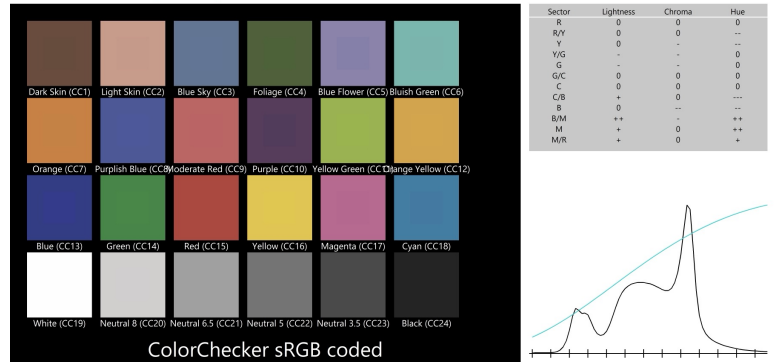
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3329]
3 230K	0.0036	93	94	92	90	101	87	69

CRI - CIE Colour Rendering Index

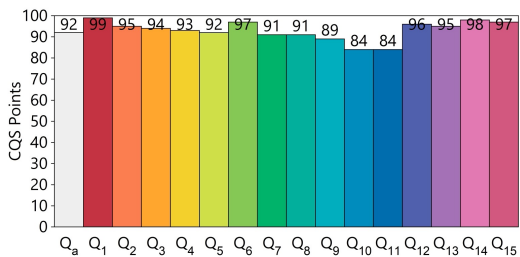


TLCI - Television Lighting Consistency Index

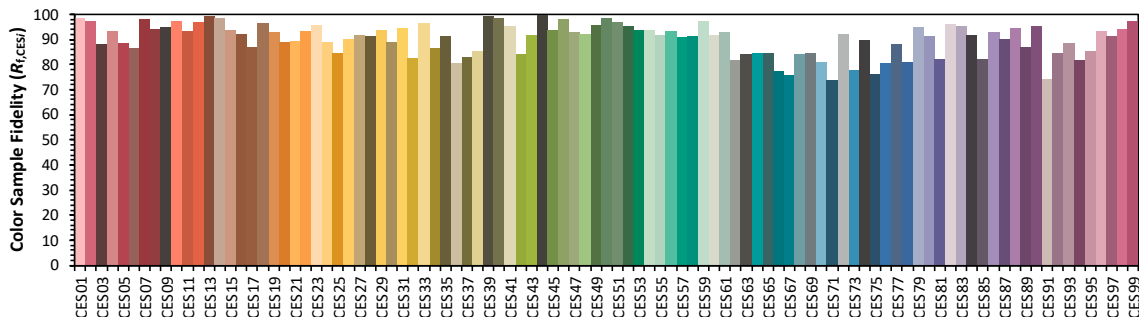
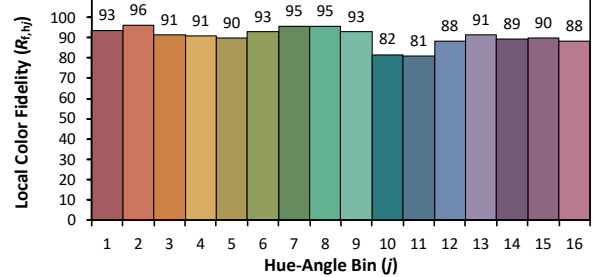
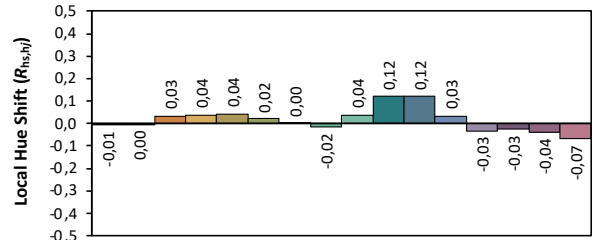
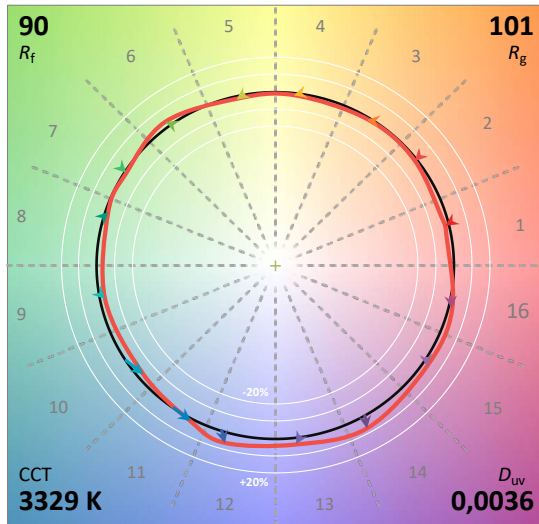
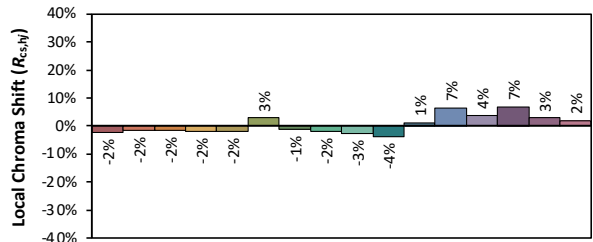
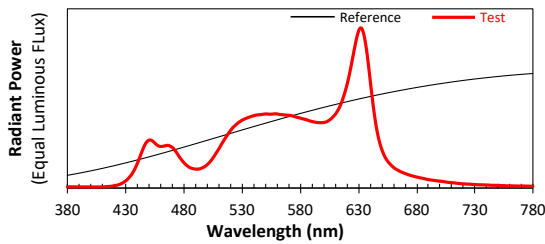
Test : CCT = P3329 (+0.7)
 TLCI-2012 : 87 (P3329)



CQS - NIST Colour Quality Scale



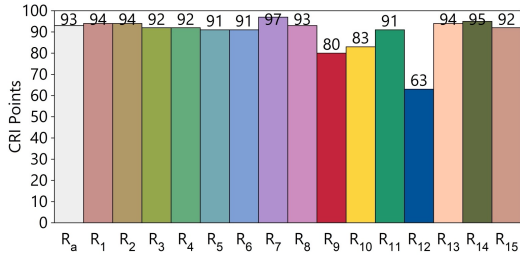
ANSI/IES TM-30-18 Colour Rendition Report



Colours are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00

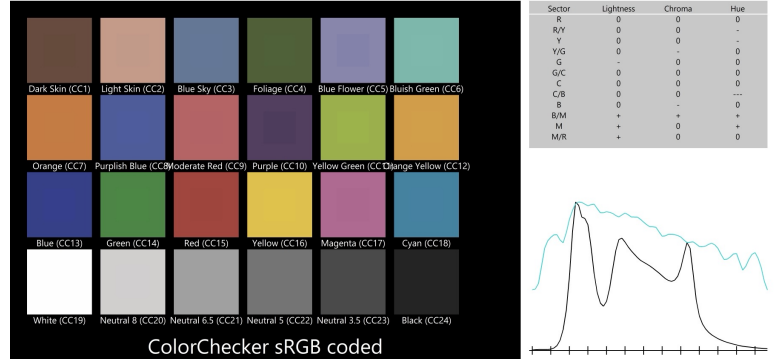
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [6351]
6 350K	0.0072	93	80	91	89	97	91	64

CRI - CIE Colour Rendering Index

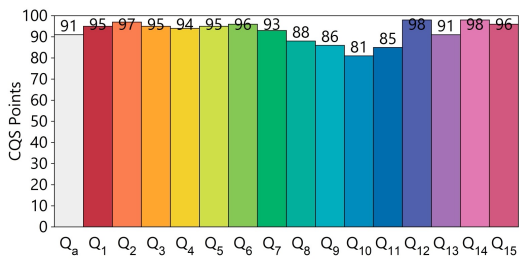


TLCI - Television Lighting Consistency Index

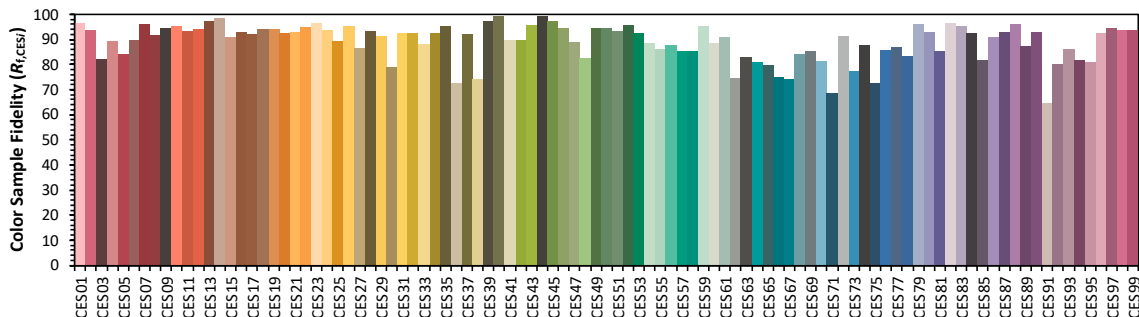
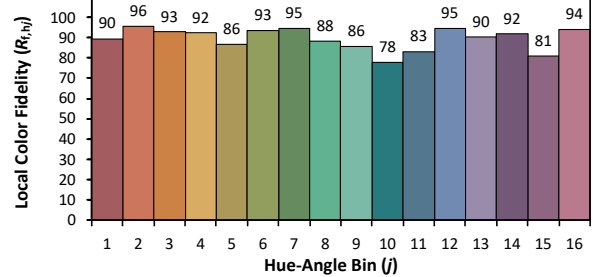
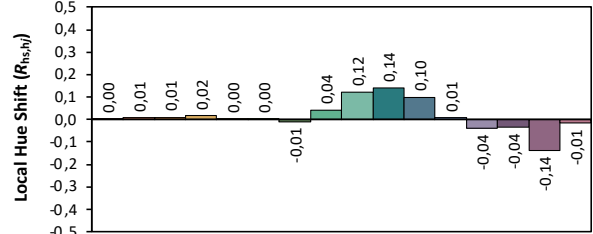
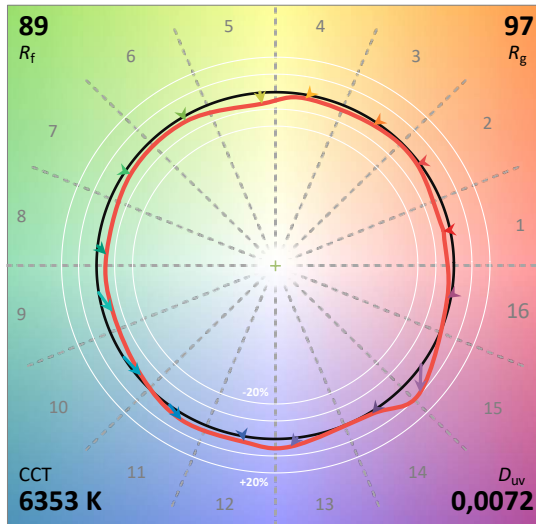
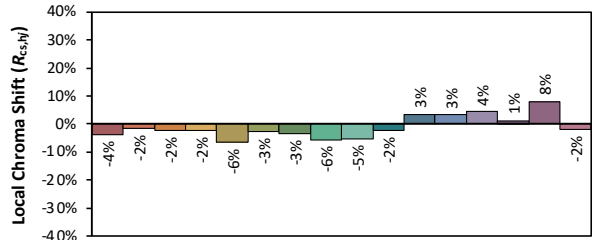
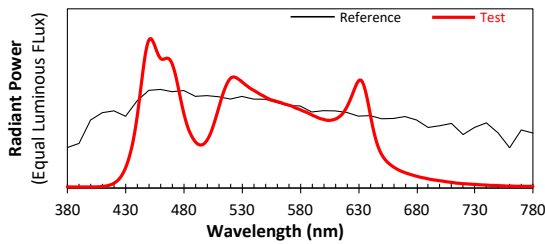
Test : CCT = D6352 (+0.7)
 TLCI-2012 : 91 (D6352)



CQS - NIST Colour Quality Scale



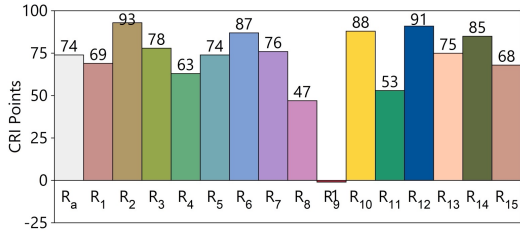
ANSI/IES TM-30-18 Colour Rendition Report



Colours are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00

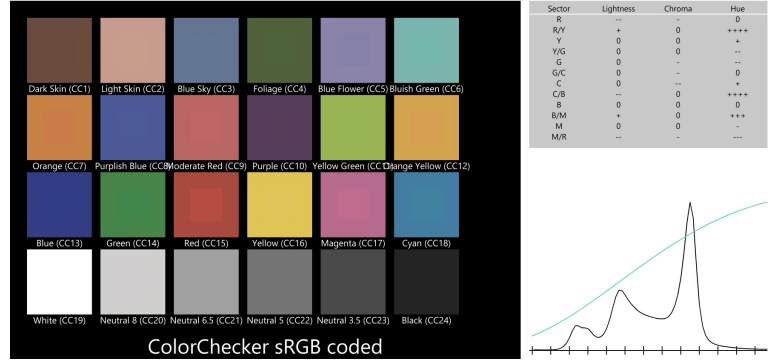
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3261]
3 260K	0.0059	74	1	83	83	107	70	59

CRI - CIE Colour Rendering Index

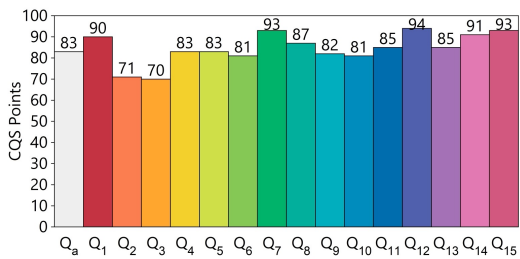


TLCI - Television Lighting Consistency Index

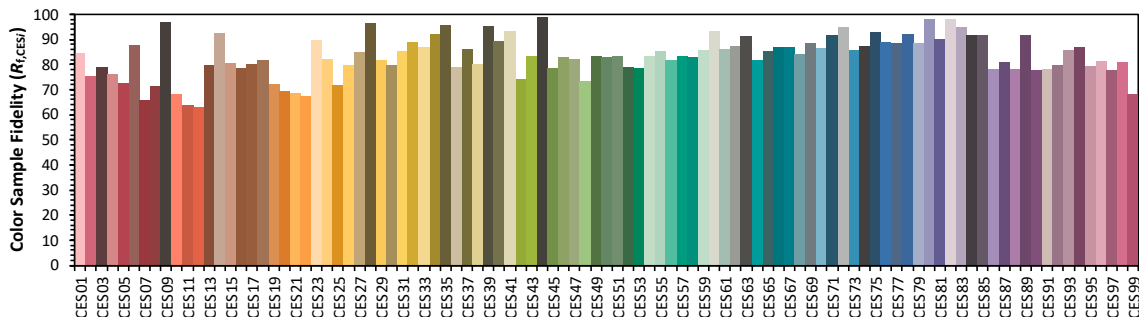
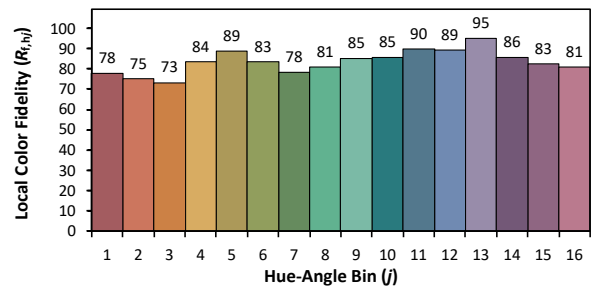
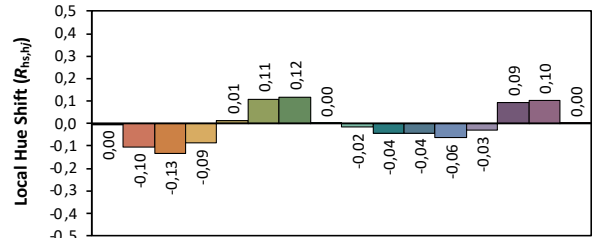
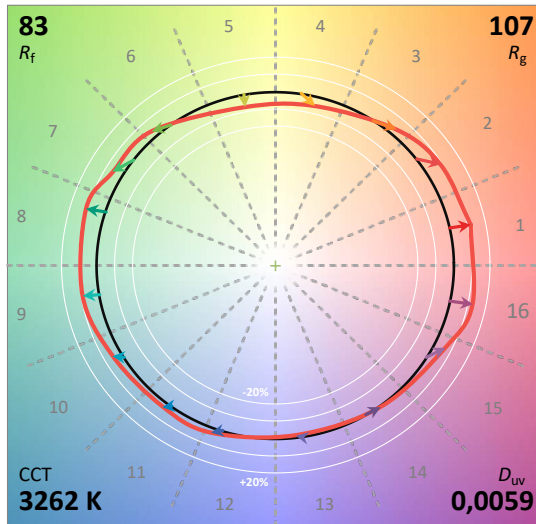
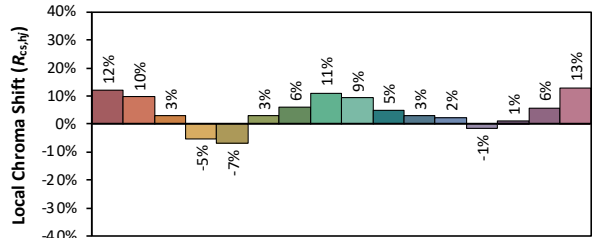
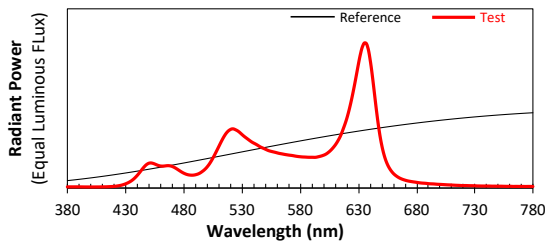
Test : CCT = P3262 (+1.1)
 TLCI-2012 : 70 (P3262)



CQS - NIST Colour Quality Scale



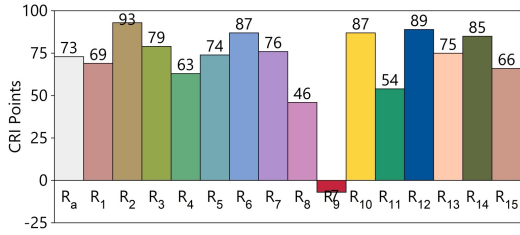
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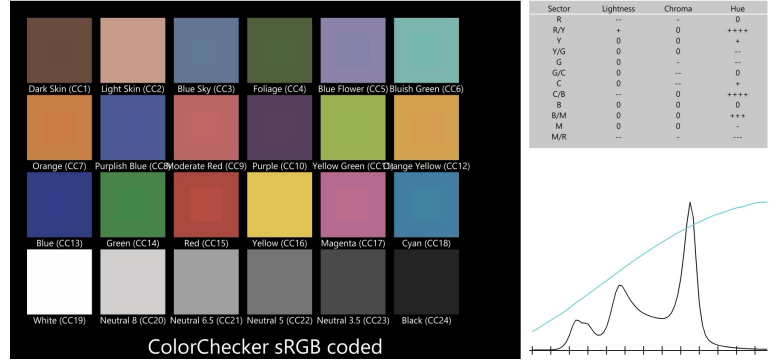
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3468]
3 470K	0.0056	73	-7	83	83	108	69	58

CRI - CIE Colour Rendering Index

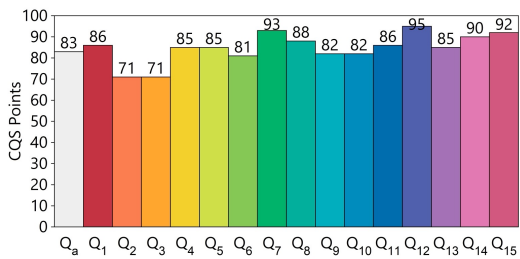


TLCI - Television Lighting Consistency Index

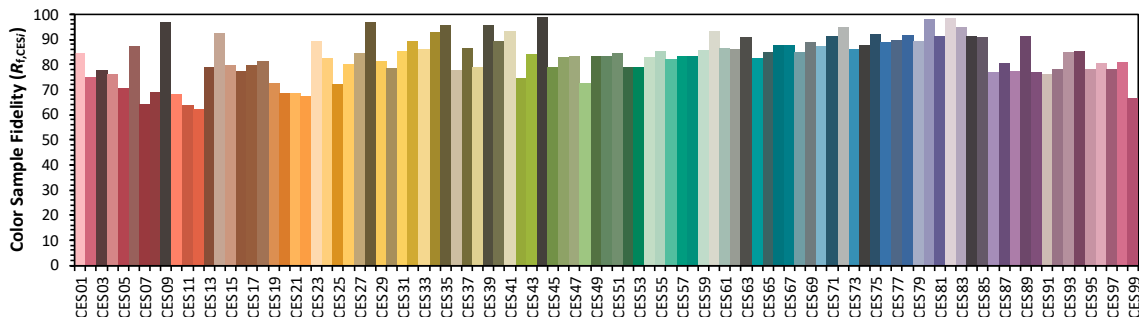
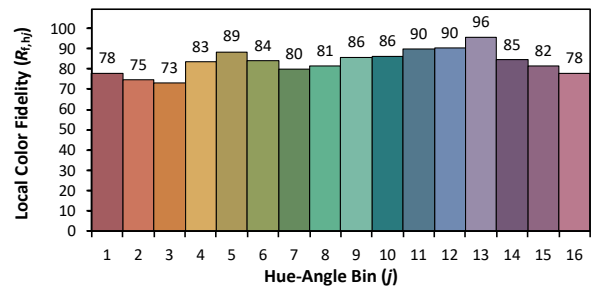
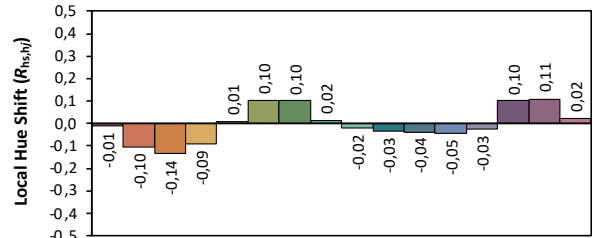
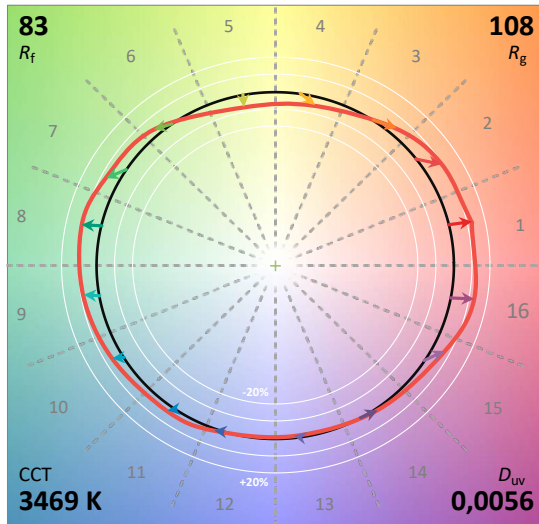
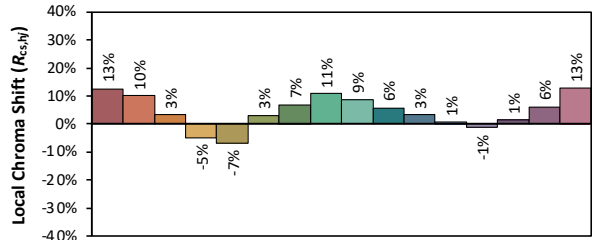
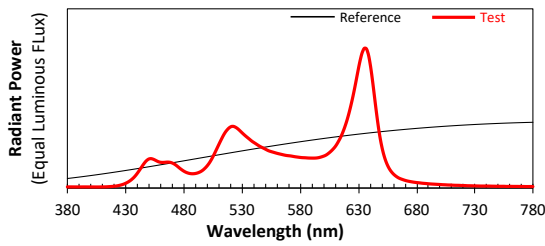
Test : CCT = M3469 (+1.0)
 TLCI-2012 : 69 (M3469)



CQS - NIST Colour Quality Scale



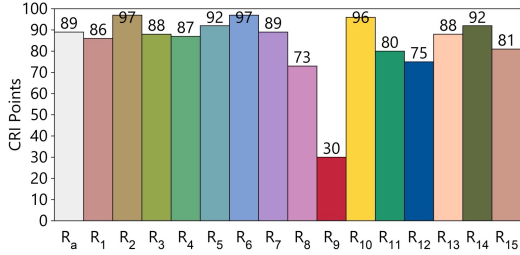
ANSI/IES TM-30-18 Colour Rendition Report



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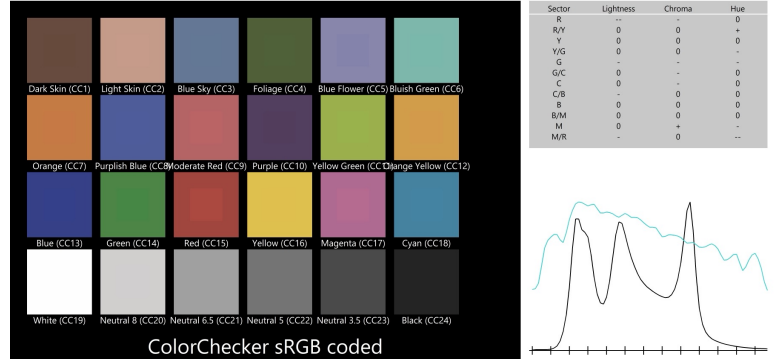
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [6377]
6 380K	0.0088	89	30	91	88	104	87	60

CRI - CIE Colour Rendering Index

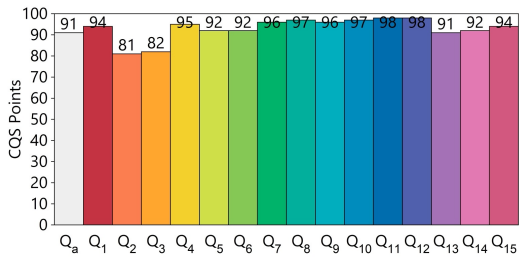


TLCI - Television Lighting Consistency Index

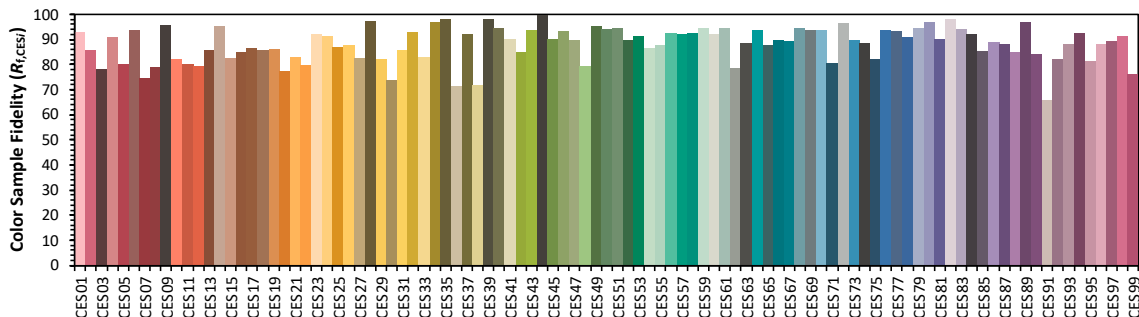
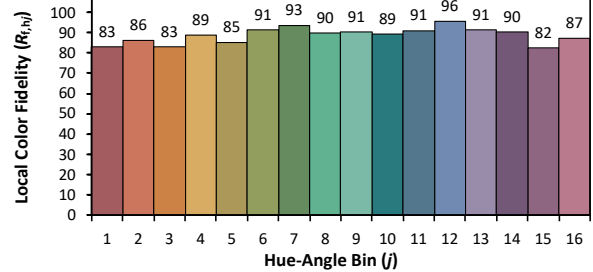
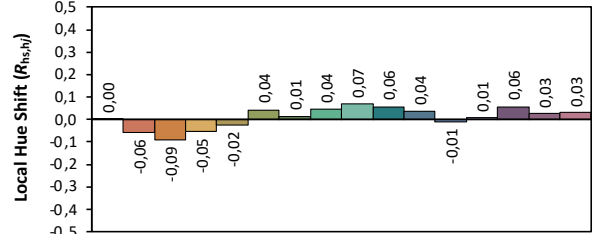
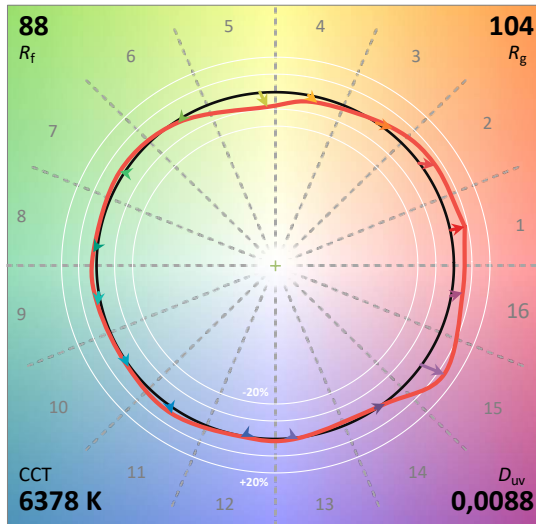
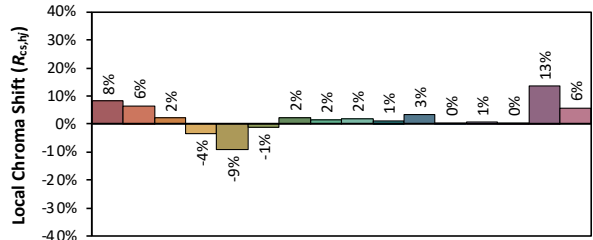
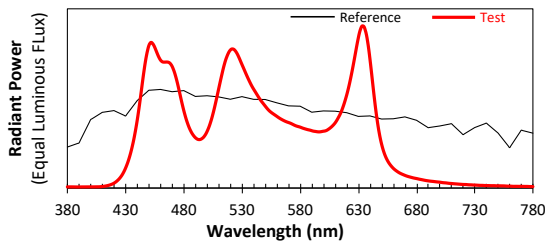
Test : CCT = D6378 (+1.0)
 TLCI-2012 : 87 (D6378)



CQS - NIST Colour Quality Scale



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