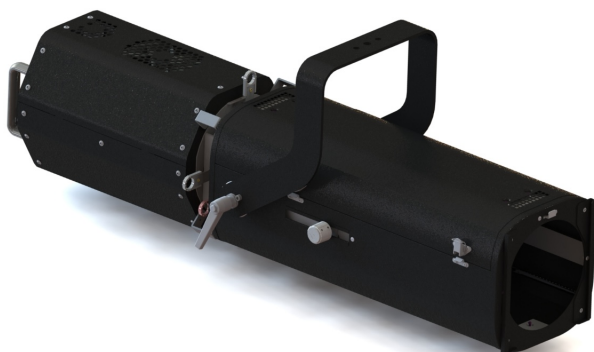


BIZET - 771SX VW

770SX - LED 500 W - VARIABLE WHITE



- **Type:** Profile spot
- **Source:** LED 500 W - Variable White
- **Optics:** 8° to 16° zoom
- **Colour temperature:** 3000K --> 6300K

Profile spot

The perfect FOH spot

The Bizet 771SX profile spot is a mighty replacement for the 2000W Halogen profile series, while offering remote adjustment of the colour temperature up to 6300K (with an output exceeding a 2500W profile spot with colour correction). It features a 500W tunable white LED source which is used at full power whatever the colour temperature chosen, guarantying high quality whites (CRI of 96-98 and TM30 Rf of 94-96). The lamp house new design makes it compatible with Robert Juliat 710SX and 711SX profile lens tubes. It is ideal for all long-throw front of house applications in medium to large venues.

Features

- **Colour Temperature (CCT):** adjustable whites from 3000 to 6300 Kelvin. Extended mode available (CCT not calibrated)
- **Multi-function double gate:** simultaneous use of gobos and iris. Sharp focus of both gobo and shutter
- **Shutter gate:** up to 8 shutters. Remove shutters for easy maintenance or tuck fully inside gate for secure transport
- **User-friendly shutter-lock system:** secures shutters' setting in any circumstances (locking efficient up to 4 shutters)
- **Universal gobo holder:** "A" size glass and metal gobo
- **Gate lock feature:** secures rotating gate against unwanted movement
- **90° rotating gate :** rotation of the projected image is always possible – no need to move the yoke
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX protocol
- **Ethernet-DMX node:** data IN through RJ45 connector; data OUT through DMX for daisy chaining
- **Universal data control:** compatible with DMX, RDM, Art-Net, sACN protocols
- **Remote setup:** all parameters can be adjusted by RDM protocol or by web interface
- **PWM adjustment:** choice of different PWM dimming frequencies - continuous mode available
- **Advanced Ethernet node functionalities:** compatible with RDM, LLRP, Zeroconf protocols
- **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 or linear dimming curves
- **DMX:** 8 or 16 bit dimming, CCT, response time and strobe function
- **1 DMX parameter mode:** cCT adjustment through local display and dimming control by DMX
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Tilt reference on hanging yoke:** index for rapid re-positioning

Optical

- **Calibrated tunable white source:** to ensure consistency between fixtures
- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **Powerful tunable white:** maximum LED power guaranteed whatever the colour temperature is
- **Coated SX optical system:** double condenser optics for exceptional optical quality - Anti-Reflective coating to ensure optimal light transmission
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus. Focus handles on both sides
- **Coated zoom lenses:** all zoom lenses are anti-reflection coated (AR) to ensure a maximum transmission of light.
- **Electronic dimmer:** dimming without clipping or cut-out at low intensity levels; high quality smoothing
- **No colour shift:** colour temperature remains the same when dimming

Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **Lamp house compatible with 710SX and 711SX lens tubes:** lamp house only available for upgrade of existing tungsten fixtures
- **PSU:** built-in electronic flicker-free power supply for easy, plug-and-play installation
- **Power connectors:** compatible powerCON® TRUE1 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 a 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
- **Spare parts and accessories:** interchangeable across the tungsten, discharge or LED ranges, reducing running costs
- **Easy access to all parts:** easy cleaning and maintenance

Picture: 771SX

DSEN440_771SX_VW - 06/08/2025

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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Telephone : +33 (0)3 44 26 51 89 - info@robertjuliat.fr - www.robertjuliat.com



ROBERT JULIAT

- Lamp type: LED
- Power: 500 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
TVW01	500 W	31 000 lm	3000K --> 6300K	30 000 h	95

(*) manufacturer's data

Optics

Characteristics

- Type: Zoom
- Range: 8° to 16° (Field angle)
- Focal length: - mm

Gel filter

- Shape: Square
- Standard size: 215x215 mm (8.5x8.5 in)
- Optional size: 245x245 mm (9.6x9.6 in)

Gobo

- Size: A
- Material: Metal
Glass

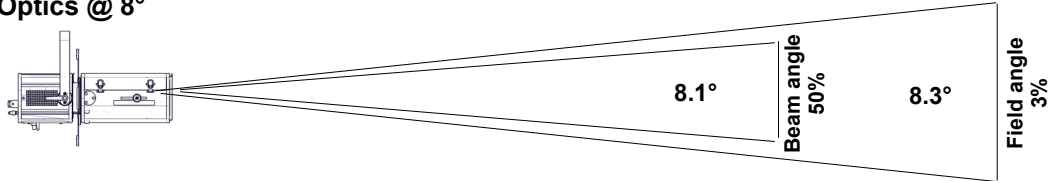


100 mm
*Maximum image size

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

optics: 8°-16° / Standard / 6000 K

• Optics @ 8°



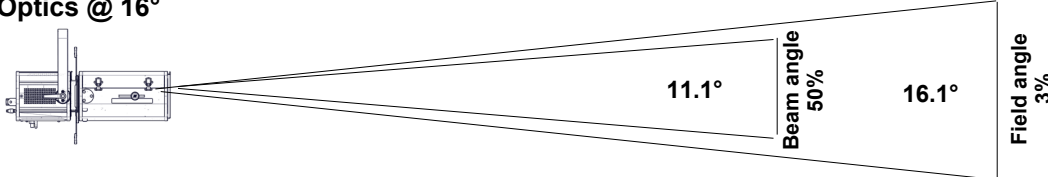
Beam intensity
1 076 000 cd

Field lumens
14 730 lm

Efficacy
26 lm/W

Distance	10 m	20 m	30 m	40 m	50 m	60 m
Diameter	1.5 m	2.9 m	4.4 m	5.8 m	7.3 m	8.7 m
Illumination	11 000 lux	2 700 lux	1 200 lux	680 lux	440 lux	300 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Diameter	5.1 ft	9.4 ft	14.5 ft	18.9 ft	23.9 ft	28.3 ft
Illumination	880 fc	260 fc	110 fc	65 fc	40 fc	29 fc

• Optics @ 16°



Beam intensity
368 800 cd

Field lumens
11 910 lm

Efficacy
21 lm/W

Distance	10 m	20 m	30 m	40 m	50 m	60 m
Diameter	2.8 m	5.7 m	8.5 m	11.3 m	14.1 m	17 m
Illumination	3 700 lux	930 lux	410 lux	240 lux	150 lux	110 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Diameter	9.9 ft	18.4 ft	28.3 ft	36.8 ft	46.7 ft	55.2 ft
Illumination	310 fc	90 fc	37 fc	22 fc	14 fc	10 fc

Remote control

- Data protocol: USITT DMX512-A
RDM / Art-Net / sACN

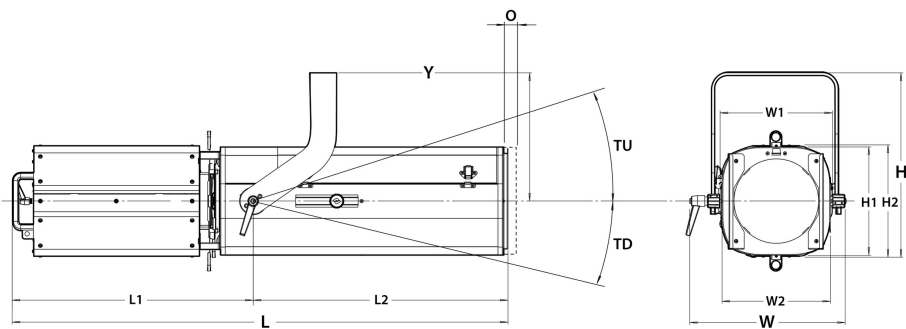
- Data IN connector: 5 pins XLR male + etherCON RJ45
- Data OUT connector 5 pins XLR female



• DMX chart:

Mode 1 (1 channels)	Mode 2 (6 channels)	Mode 3 (2 channels)	Mode 4 (8 channels)
Dimmer	Dimmer Dimmer fine Strobe duration Strobe speed Response time Control mode	Dimmer CCT	Dimmer Dimmer fine Strobe duration Strobe speed Response time Control mode CCT CCT fine

Dimensions and weight



Weight: 25.8 kg (56.8 lbs)

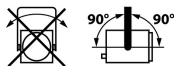
Height	Length	Width	Yoke	Tilt	Option
H= 425 mm (16.7 in)	L= 1144 mm (45 in)	W= 347 mm (13.7 in)	Y= 296 mm (11.7 in)	TD= 90°	O= 25 mm (1 in)
H1= 250 mm (9.8 in)	L1= 556 mm (21.9 in)	W1= 259 mm (10.2 in)			
H2= 259 mm (10.2 in)	L2= 588 mm (23.1 in)	W2= 250 mm (9.8 in)			

Shipping

- Weight : kg (0 lbs)
- Volume : .23 m³ (8.12 ft³)

Installation

- Minimum distance to illuminated surface: 2.0 m (6.6 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): 90°C (194°F)
- Total heat dissipation: 2 017 BTU/h
- Ingress Protection (IP) rating: IP20

Electrical compatibility

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

Power input



- Type: removable power cord with compatible powerCON® TRUE1 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	2.72 A	591 W	0.94
110 V	60 Hz	5.6 A	606 W	0.98
100 V	60 Hz	6.19 A	610 W	0.99

Power Supply Unit

- PSU: Internal - Electronic PSU - Flicker free with PFC
- Control: Local / DMX
- Protection: Mains: 2x 10A 1P1D breaker - UL /
- Power thru: compatible powerCON® TRUE1 - Maximum of 5 units (230 V) / 2 units (120 V)

Warranty

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

Approvals



Acoustics

- Noise level: < 30,2 dB(A)

Model

771SX VW	LED 500 W - Variable White Profile spot - 771SX VW Bizet - 8/16°
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Options

CAV700	Double slot front cassette for 215x215mm accessories	
CAV700J	Double slot front cassette for 245x245mm accessories	
PCP1716A	16A blue 2P+E 6h IEC60309 power connector	

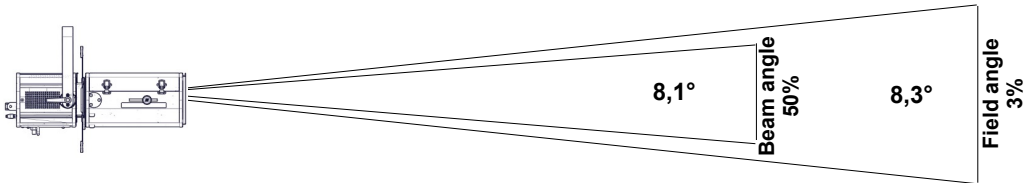
Accessories

D8	Shutter for SX series 4 included	
PF1000M2	215x215mm metal filter holder 1 included	
SGUX	Universal "A" size gobo-holder (metal, glass, frosted glass) 1 included	
FO100-10	Ø97mm optical filter for coloured LED source - typ 10 1 included	
IWSX755	Drop-in iris (monoplane) with holder - Weight: 0.26 Kg	
D8	Shutter for SX series	
G1000	215x215mm safety grid	
CAV700A	Double slot front cassette for 215x215mm accessories - Weight: 0.52 Kg	
CAV700AJ	Double slot front cassette for 245x245mm accessories - Weight: 0.95 Kg	
RV934	Front extension cassette for 215x215mm accessories with fan - Weight: 2 Kg	
FO120C-1	120x120mm 1° frost optical filter	
FO120C-10	120x120mm 10° frost optical filter	
FO120C-2	120x120mm 2° frost optical filter	
		

FO120C-5	120x120mm 5° frost optical filter	
VD120	120x120mm frosted glass	
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 - Weight: 1.25 Kg	
880	Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Weight: 1.36 Kg	
CS2	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	

• Optics @ 8°

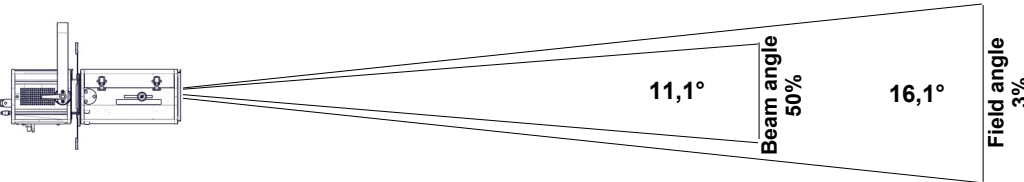
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
14 730 Lm	14 550 Lm	26 Lm/W	1 076 000 Cd	5 860 K	0.0009



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,5 m	2,9 m	4,4 m	5,8 m	7,3 m	8,7 m
Illumination	11 000 lux	2 700 lux	1 200 lux	680 lux	440 lux	300 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5,1 ft	9,4 ft	14,5 ft	18,9 ft	23,9 ft	28,3 ft
Illumination	880 fc	260 fc	110 fc	65 fc	40 fc	29 fc

• Optics @ 16°

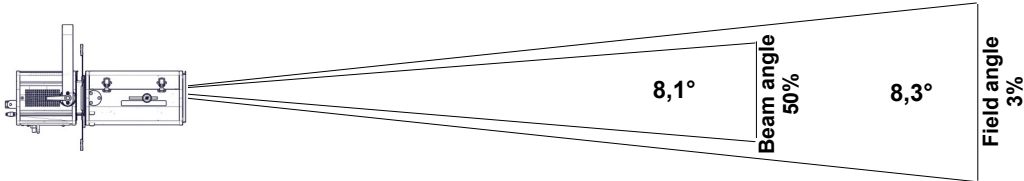
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
11 910 Lm	8 310 Lm	21 Lm/W	368 800 Cd	5 930 K	0.0006



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,7 m	8,5 m	11,3 m	14,1 m	17 m
Illumination	3 700 lux	930 lux	410 lux	240 lux	150 lux	110 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,9 ft	18,4 ft	28,3 ft	36,8 ft	46,7 ft	55,2 ft
Illumination	310 fc	90 fc	37 fc	22 fc	14 fc	10 fc

• Optics @ 8°

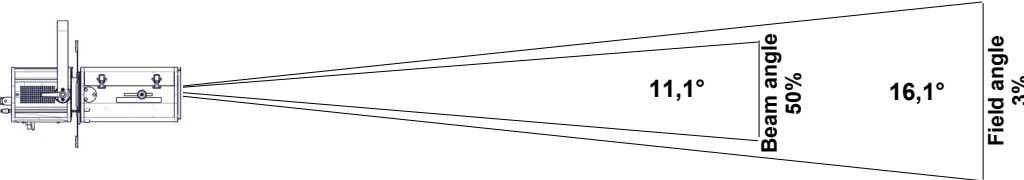
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
10 760 Lm	10 630 Lm	19 Lm/W	821 600 Cd	3 190 K	0



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,5 m	2,9 m	4,4 m	5,8 m	7,3 m	8,7 m
Illumination	8 300 lux	2 100 lux	920 lux	520 lux	330 lux	230 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5,1 ft	9,4 ft	14,5 ft	18,9 ft	23,9 ft	28,3 ft
Illumination	680 fc	200 fc	85 fc	49 fc	31 fc	22 fc

• Optics @ 16°

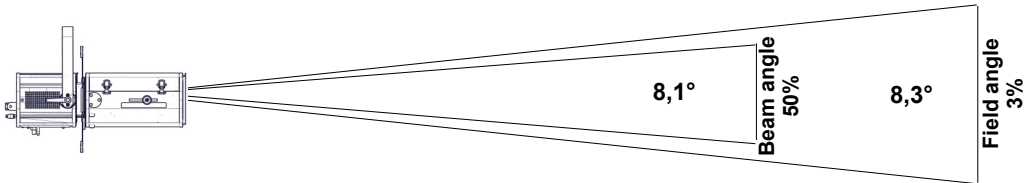
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
8 870 Lm	6 110 Lm	15 Lm/W	277 700 Cd	3 180 K	-0.0005



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,7 m	8,5 m	11,3 m	14,1 m	17 m
Illumination	2 800 lux	700 lux	310 lux	180 lux	120 lux	80 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,9 ft	18,4 ft	28,3 ft	36,8 ft	46,7 ft	55,2 ft
Illumination	230 fc	70 fc	28 fc	17 fc	11 fc	8 fc

• Optics @ 8°

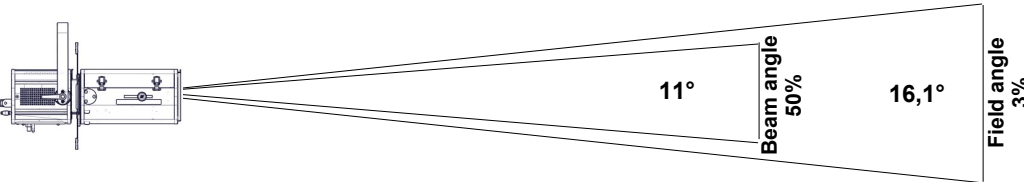
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
13 800 Lm	13 640 Lm	24 Lm/W	1 008 000 Cd	5 870 K	0.0008



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,5 m	2,9 m	4,4 m	5,8 m	7,3 m	8,7 m
Illumination	10 500 lux	2 550 lux	1 150 lux	640 lux	410 lux	290 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5,1 ft	9,4 ft	14,5 ft	18,9 ft	23,9 ft	28,3 ft
Illumination	830 fc	240 fc	110 fc	60 fc	38 fc	27 fc

• Optics @ 16°

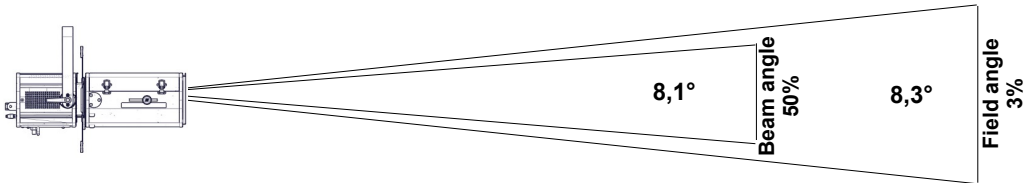
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
11 040 Lm	7 620 Lm	19 Lm/W	346 400 Cd	5 930 K	0.0005



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,7 m	8,5 m	11,3 m	14,1 m	17 m
Illumination	3 500 lux	870 lux	390 lux	220 lux	140 lux	100 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,9 ft	18,4 ft	28,3 ft	36,8 ft	46,7 ft	55,2 ft
Illumination	290 fc	85 fc	35 fc	21 fc	13 fc	10 fc

• Optics @ 8°

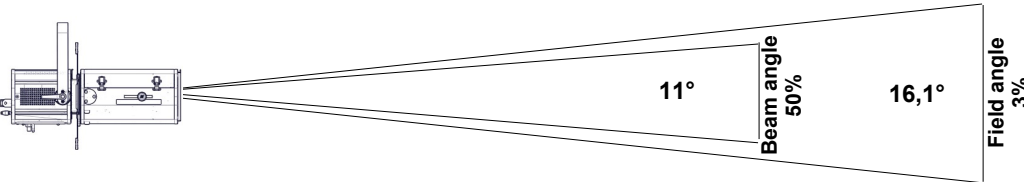
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
10 180 Lm	10 050 Lm	18 Lm/W	771 200 Cd	3 190 K	0.0001



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,5 m	2,9 m	4,4 m	5,8 m	7,3 m	8,7 m
Illumination	7 800 lux	1 950 lux	860 lux	490 lux	310 lux	220 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5,1 ft	9,4 ft	14,5 ft	18,9 ft	23,9 ft	28,3 ft
Illumination	630 fc	190 fc	80 fc	46 fc	29 fc	21 fc

• Optics @ 16°

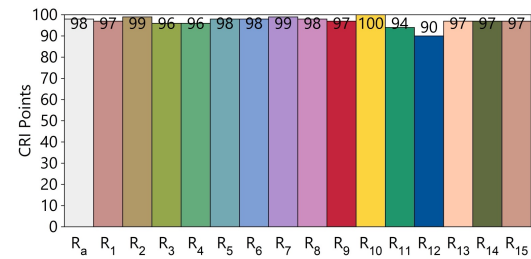
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
8 270 Lm	5 650 Lm	14 Lm/W	262 300 Cd	3 180 K	-0.0004



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,7 m	8,5 m	11,3 m	14,1 m	17 m
Illumination	2 650 lux	660 lux	300 lux	170 lux	110 lux	75 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,9 ft	18,4 ft	28,3 ft	36,8 ft	46,7 ft	55,2 ft
Illumination	220 fc	65 fc	27 fc	16 fc	10 fc	7 fc

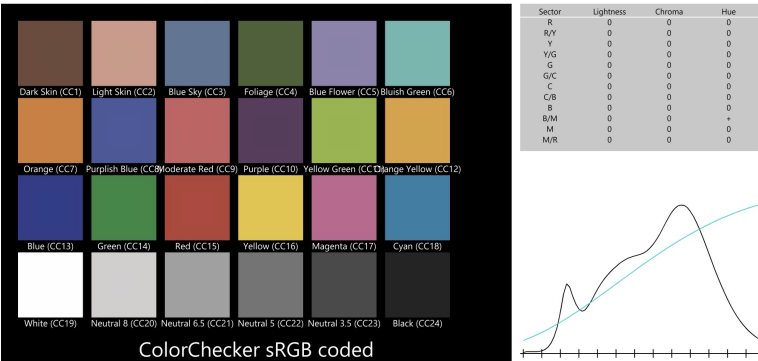
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3202]
3 200K	-0.0007	98	97	98	96	102	99	86

CRI - CIE Colour Rendering Index

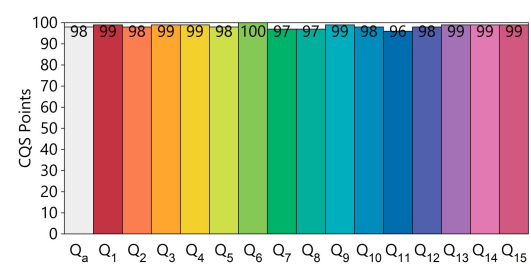


TLCI - Television Lighting Consistency Index

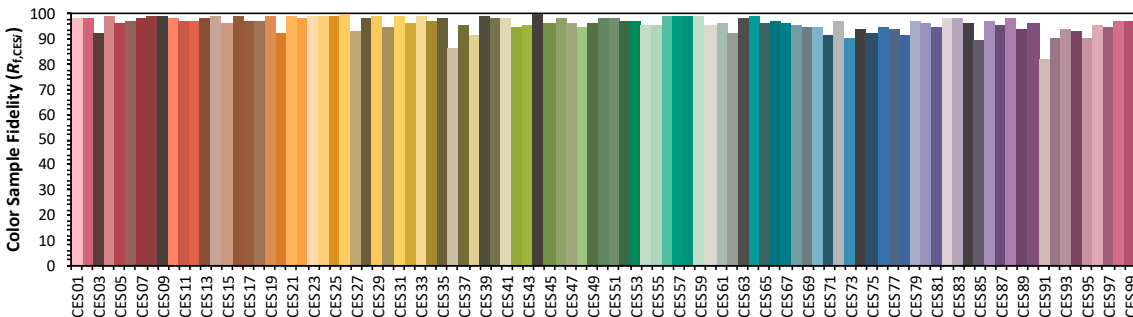
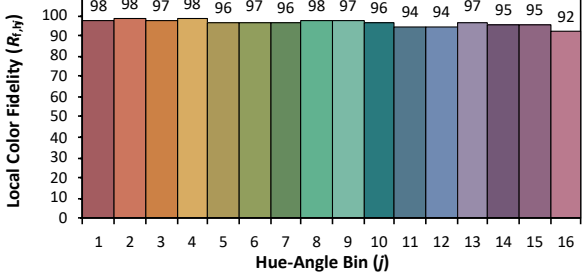
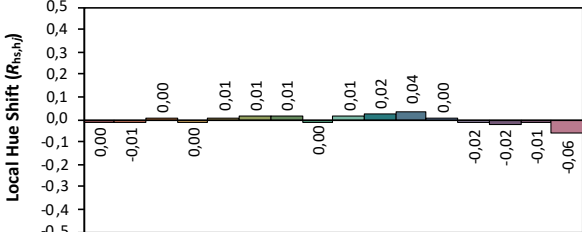
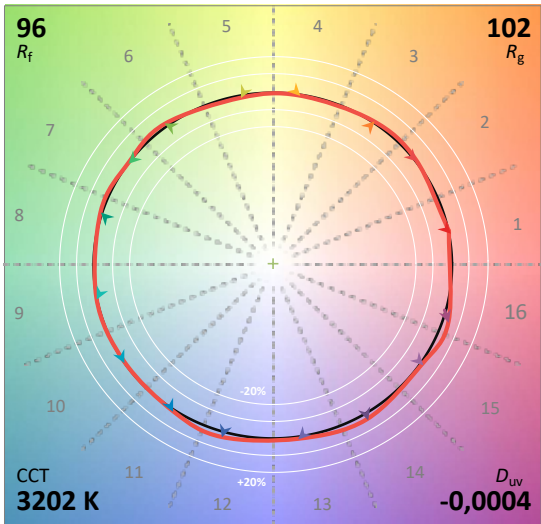
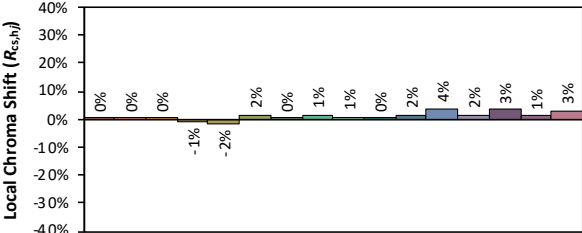
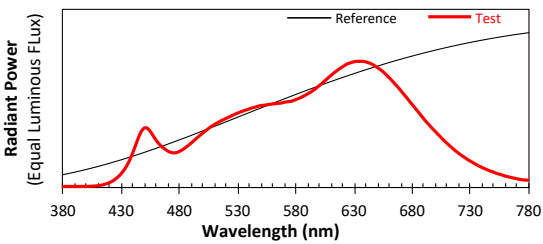
Test : CCT = P3200 (-0.1)
TLCI-2012 : 99 (P3200)



CQS - NIST Colour Quality Scale

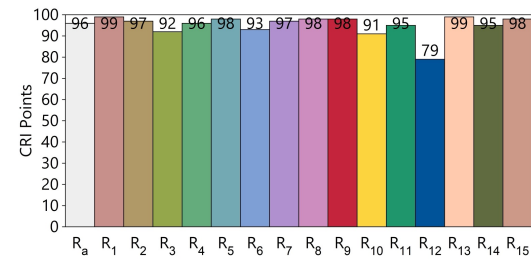


ANSI/IES TM-30-18 Colour Rendition Report



CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [6007]
6 010K	0.0007	96	98	94	94	102	98	75

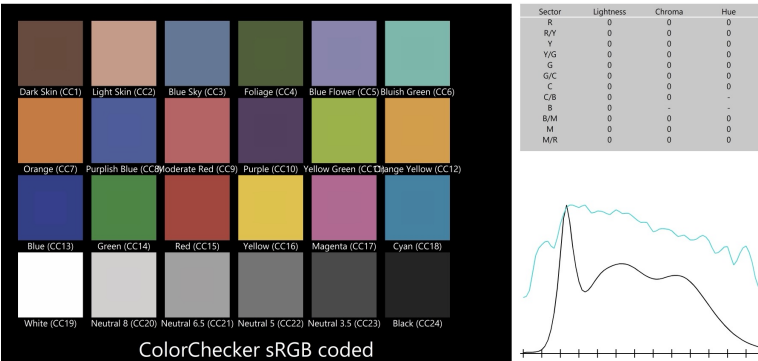
CRI - CIE Colour Rendering Index



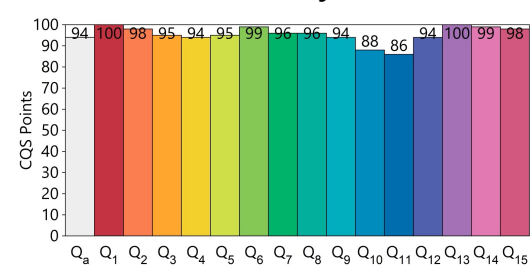
TLCI - Television Lighting Consistency Index

Test : CCT = D6005 (-0.5)

TLCI-2012 : 98 (D6005)



CQS - NIST Colour Quality Scale



ANSI/IES TM-30-18 Colour Rendition Report

