

BIZET - 771SX CW

770SX - LED 600 W

Profile spot



- **Type:** Profile spot
- **Source:** LED 600 W
- **Optics:** 8° to 16° zoom
- **Colour temperature:** Cool White

The most powerful daylight profile spot

The Bizet 770SX profile spot is a mighty profile series, delivering superior performance with a 600W cool white LED source. It surpasses the Charles model in every aspect—being more compact, lighter, more powerful, quieter, and more affordable. Additionally, it matches the output and CRI of the 2500W HID D'Artagnan, while offering electronic dimming and zero standby power consumption. 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

- **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, response time and strobe function
- **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

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **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

DSEN441_771SX_CW - 27/01/2026

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

- Lamp type: LED
- Power: 600 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	
TCW02	600 W	49 900 lm	6500K	30 000 h	90

(*) 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

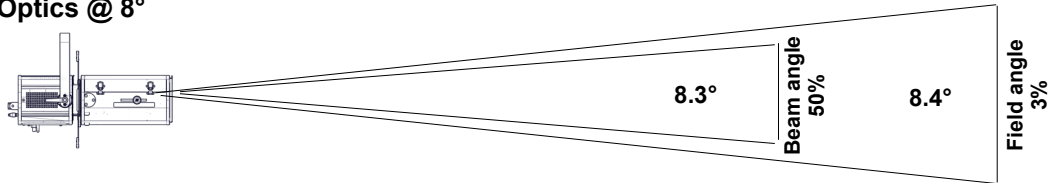


100 mm
*Maximum image size

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

optics: 8°-16° / Coated zoom

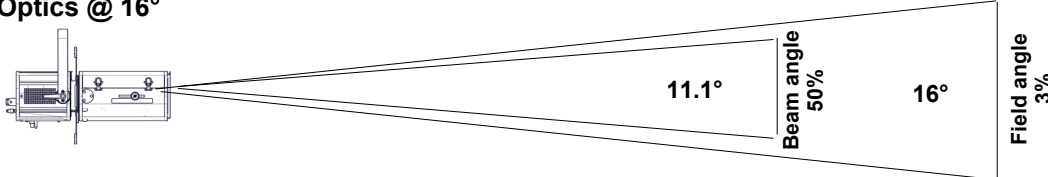
• Optics @ 8°



Beam intensity
1 713 200 cd
Field lumens
23 640 lm
Efficacy
34 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	5.9 m	7.3 m	8.8 m
Illumination	17 500 lux	4 300 lux	1 950 lux	1 100 lux	690 lux	480 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Diameter	5.1 ft	9.5 ft	14.7 ft	19.1 ft	24.2 ft	28.6 ft
Illumination	1 400 fc	410 fc	180 fc	110 fc	65 fc	46 fc

• Optics @ 16°



Beam intensity
599 900 cd
Field lumens
19 310 lm
Efficacy
27 lm/W

Distance	10 m	20 m	30 m	40 m	50 m	60 m
Diameter	2.8 m	5.6 m	8.4 m	11.2 m	14.1 m	16.9 m
Illumination	6 000 lux	1 500 lux	670 lux	380 lux	240 lux	170 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Diameter	9.8 ft	18.3 ft	28.1 ft	36.5 ft	46.4 ft	54.8 ft
Illumination	490 fc	150 fc	60 fc	36 fc	23 fc	16 fc

Remote control

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

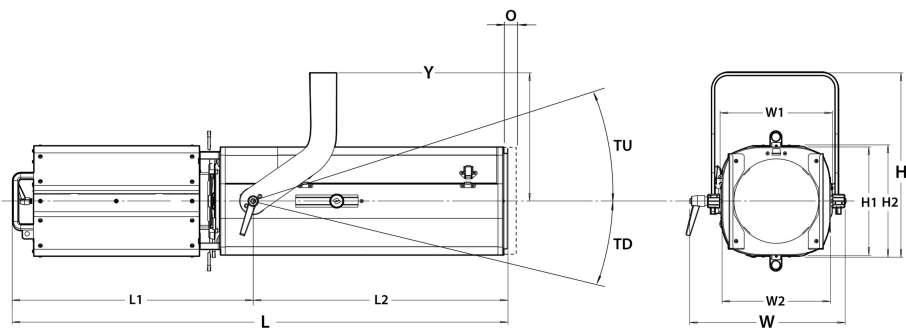
- Data IN connector: 5 pins XLR male + etherCON RJ45
- Data OUT connector 5 pins XLR female



• DMX chart:

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

Dimensions and weight



Weight: 25.8 kg (56.8 lbs)

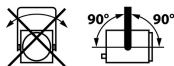
Height	Length	Width	Yoke	Tilt	Option
H= 425 mm (16.7 in)	L= 1144 mm (45 in)	W= 347 mm (13.7 in)	Y= 296 mm (11.7 in)	TD= 90°	O= 25 mm (1 in)
H1= 250 mm (9.8 in)	L1= 556 mm (21.9 in)	W1= 259 mm (10.2 in)			
H2= 259 mm (10.2 in)	L2= 588 mm (23.1 in)	W2= 250 mm (9.8 in)			

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:



Warranty

- Fixture: 3 years
See General Sales Condition on website

Approvals



Construction

- Housing: Steel sheet - Aluminium
- Colour: Black
- Cooling: Low noise variable fan
- Maximum ambient temperature (Ta): 40°C (104°F)
- Maximum case temperature (Tc): 98°C (208.4°F)
- Total heat dissipation: 2 406 BTU/h
- Ingress Protection (IP) rating: IP20

Electrical compatibility

- 220/230 V - 50 Hz
- 245 V - 50 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 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	3.22 A	705 W	0.96
245 V	50 Hz	3.04 A	704 W	0.95
208 V	60 Hz	3.53 A	704 W	0.97

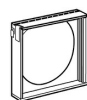
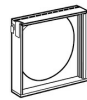
Power Supply Unit

- PSU: Internal - Electronic PSU - Flicker free with PFC
- Control: Local / DMX
- Protection: Mains: 2x 10A 1P1D breaker - UL /

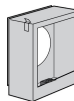
Model

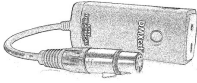
771SX CW	LED 600 W Profile spot - 771SX CW Bizet - Cool White - 8/16°
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Options

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	

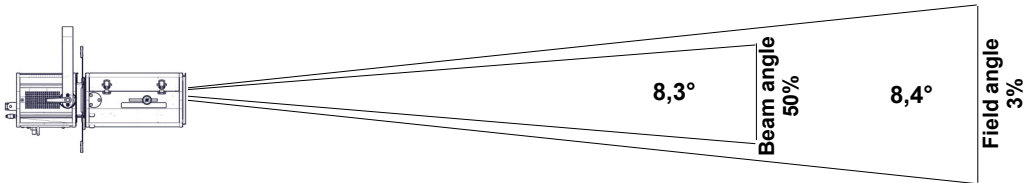
Accessories

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	
Fusion/RJ	Madrix Radar (RDM monitoring): Fusion RJ licence - access to all RDM parameters of RJ fixtures 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®	
Fusion/L	Madrix Radar (RDM monitoring): Fusion Large licence - up to 4096 non-RJ RDM fixtures - USB dongle included	 RADAR
Fusion/M	Madrix Radar (RDM monitoring): Fusion Medium licence - up to 512 non-RJ RDM fixtures - USB dongle included	 RADAR
Fusion/S	Madrix Radar (RDM monitoring): Fusion Small licence - up to 64 non-RJ RDM fixtures - USB dongle included	 RADAR
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°

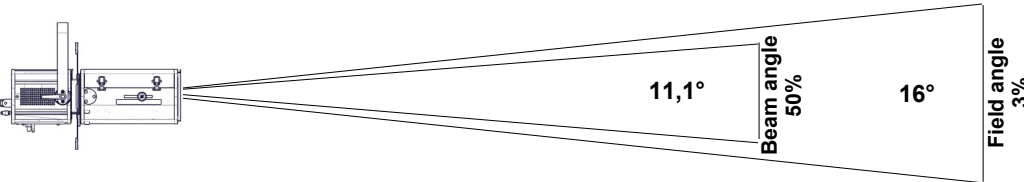
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
23 640 Lm	23 370 Lm	34 Lm/W	1 713 200 Cd	6 400 K	-0.0039



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,5 m	2,9 m	4,4 m	5,9 m	7,3 m	8,8 m
Illumination	17 500 lux	4 300 lux	1 950 lux	1 100 lux	690 lux	480 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5,1 ft	9,5 ft	14,7 ft	19,1 ft	24,2 ft	28,6 ft
Illumination	1 400 fc	410 fc	180 fc	110 fc	65 fc	46 fc

• Optics @ 16°

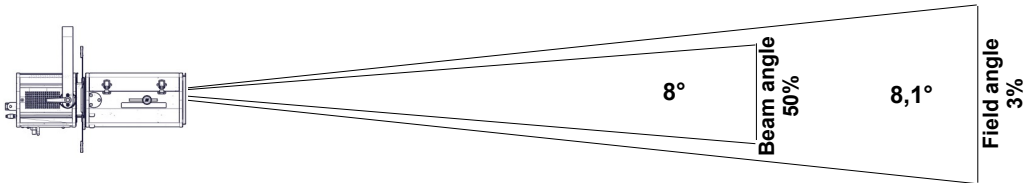
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
19 310 Lm	13 560 Lm	27 Lm/W	599 900 Cd	6 410 K	-0.0043



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,6 m	8,4 m	11,2 m	14,1 m	16,9 m
Illumination	6 000 lux	1 500 lux	670 lux	380 lux	240 lux	170 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,8 ft	18,3 ft	28,1 ft	36,5 ft	46,4 ft	54,8 ft
Illumination	490 fc	150 fc	60 fc	36 fc	23 fc	16 fc

• Optics @ 8°

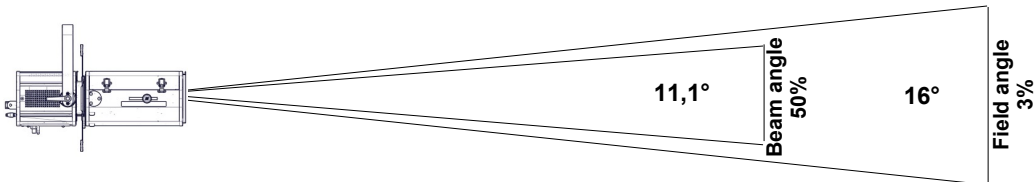
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
21 810 Lm	21 540 Lm	31 Lm/W	1 650 900 Cd	6 490 K	-0.0043



Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	1,4 m	2,8 m	4,2 m	5,7 m	7,1 m	8,5 m
Illumination	17 000 lux	4 150 lux	1 850 lux	1 050 lux	670 lux	460 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	5 ft	9,2 ft	14,2 ft	18,4 ft	23,4 ft	27,6 ft
Illumination	1 350 fc	400 fc	170 fc	100 fc	65 fc	44 fc

• Optics @ 16°

Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
18 510 Lm	12 940 Lm	26 Lm/W	581 600 Cd	6 390 K	-0.0035

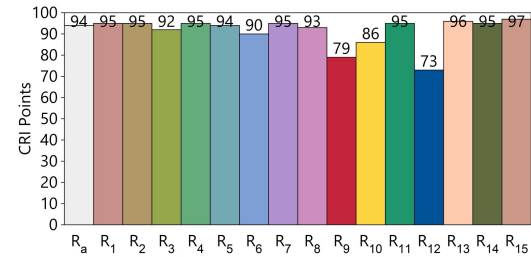


Distance	10 m	20 m	30 m	40 m	50 m	60 m
Field diameter	2,8 m	5,6 m	8,4 m	11,2 m	14,1 m	16,9 m
Illumination	5 900 lux	1 500 lux	650 lux	370 lux	240 lux	170 lux
Distance	35 ft	65 ft	100 ft	130 ft	165 ft	195 ft
Field diameter	9,8 ft	18,3 ft	28,1 ft	36,5 ft	46,4 ft	54,8 ft
Illumination	480 fc	140 fc	60 fc	35 fc	22 fc	16 fc

Light quality report

CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [6418]
6 420K	-0.0040	94	79	89	90	101	92	70

CRI - CIE Colour Rendering Index

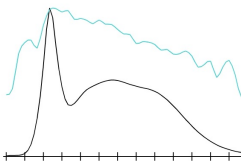


TLCI - Television Lighting Consistency Index

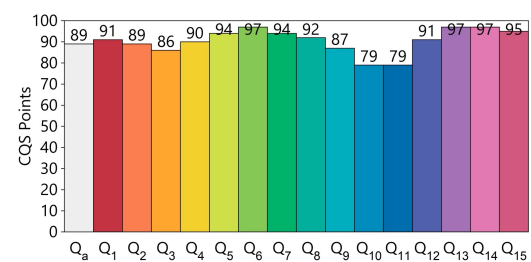
Test : CCT = D6419 (-1.3)
TLCI-2012 : 92 (D6419)



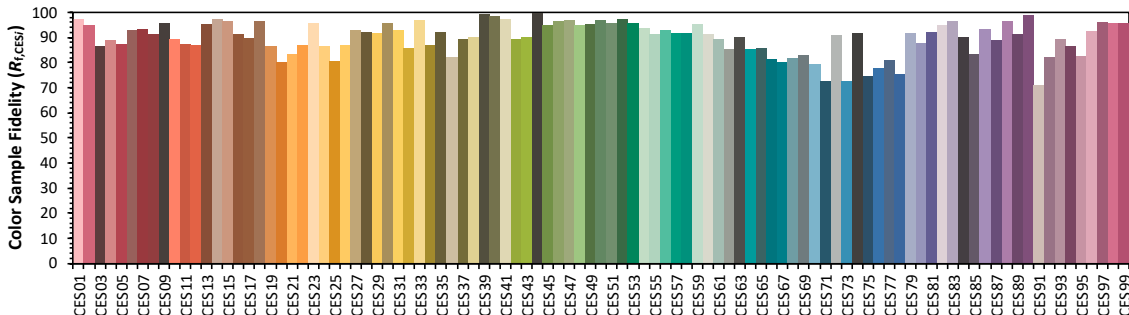
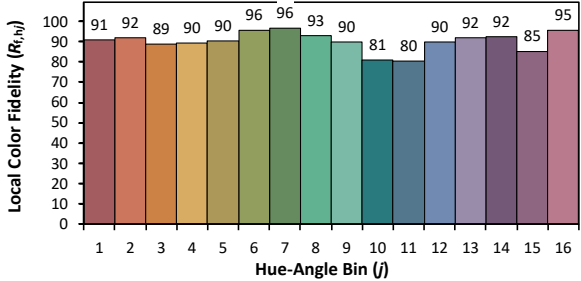
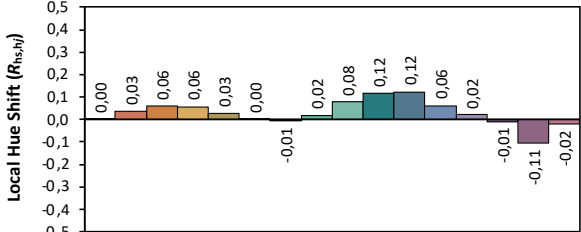
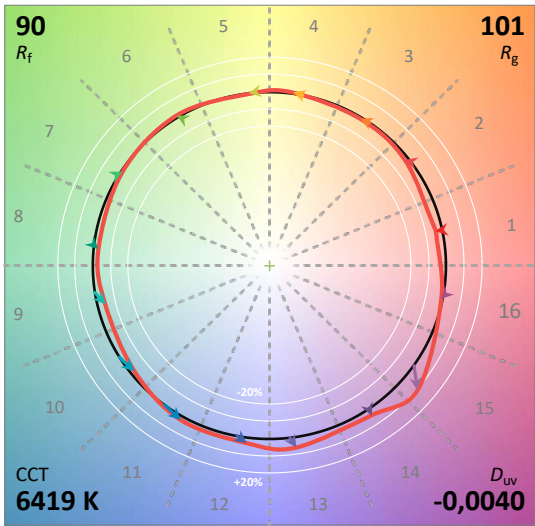
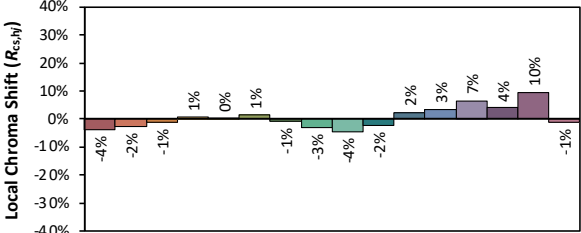
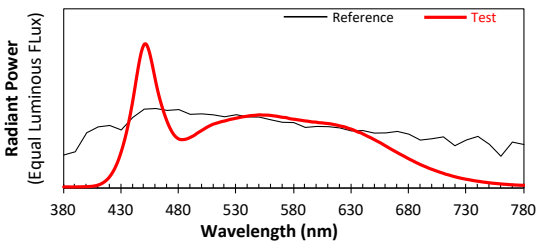
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	-
Y	0	0	-
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C/B	0	0	-
B	0	0	-
B/R	0	0	+
M	0	0	+
M/R	0	0	+



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