

DAUS - 861

DAUS - 8 COLOURS LED 150W



- **Type:** Asymmetric washlight
- **Source:** 8 colours LED 150W
- **Optics:** Asymmetric

Asymmetric

The perfect LED alternative to traditional washlights!

Sharing the same qualities of control, colour mixing, coverage and silent operation as Dalis Cyclight, Dalis 861 is the perfect wash complement to the Dalis range. Configured into a rectangular format with 24 asymmetrical micro-reflectors and 8 LED emitters (6 colours plus a warm and a cool white) arranged in four rows, Dalis washlight gives access to a wide variety of saturated colours and pastel tones. Offering a very wide opening and a perfect even coverage, it is an ideal solution for side lighting, low-level light for dance, and as a short-form cyclorama luminaire when space is at premium.

Features

- **8-colour mixing LED system:** red, Green, Blue, Royal Blue, Amber, Cyan, Warm White (2200K), Cool White (6500K)
- **Very wide colour gamut:** the choice of the eight colours in association with the 16-bit control, results in an almost infinite range of repeatable colour possibilities
- **Impressive range of pastel tones:** desaturation of the colours possible with the addition of the Warm White and Cool White LEDs - no need to dim the light output
- **True tunable white:** from 2200K to 6500K - full spectrum to light backdrop
- **16-bit control of each colour:** precision dimming on every colour
- **Linear dimming curve:** no colour fading during dimming
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX protocol
- **Strobe:** independent control of speed and duration
- **Easy control mode available:** preset calibrated colours with control of intensity and CCT
- **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
- **Angular sensor:** tilt angle displayed for perfect alignment of all the units
- **Dimming parameters:** choice of square or linear dimming curves
- **Tilt reference on hanging yoke:** index for rapid re-positioning

Optical

- **Exclusive patented optical system:** 24 micro optical asymmetric reflectors delivering superbly smooth coverage across any surface
- **High efficiency:** massive light output, small power consumption
- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **Perfect white:** the combination of the 2 whites with the 6 colours enables to produce white variations with very high quality (CRI >97) and high brightness
- **High transmissive coated protective glass window:** ensures optimal light transmission
- **Electronic dimmer:** dimming without clipping or cut-out at low intensity levels; high quality smoothing

Construction

- **Made in Europe:** control over all aspects of quality
- **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; delayed power out switching against inrush current
- **Fanless system:** convection cooling- perfect for sound sensitive applications - less maintenance required
- **Electronic thermal management system:** ensures maximum performance of the system without any risk of overheating

Picture:861

DSEN287_861 - 03/04/2025

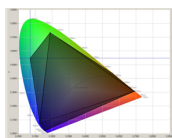
Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.

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ROBERT JULIAT

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



- **Lamp type:** LED - 8 colours
- **Power:** 138 W
- **Lumen output:** 10239 lm
- **Life:** 40000 hours

Colours	Power *	Lumen output*	Colour temperature*	CRI* (min)
Red	9 W	694 lm		
Green	13 W	1 000 lm		
Blue	13 W	350 lm		
Royal blue	13 W	1 923 lm		
Cyan	12 W	448 lm		
Amber	13 W	592 lm		
Warm white	33 W	1 992 lm	2200K	80
Cool white	33 W	3 240 lm	6500K	70

(*) manufacturer's data

Optics

Characteristics

- **Type:** Asymmetric
- **Horizontal spread:** °
- **Vertical spread:** 90°

Installation and photometrics

Field lumens
7 000 lm

Efficacy
49 lm/W

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 (22 channels)

Dimmer @16b
8 colours @16b
Strobe: duration + speed
Response time
Control mode

Mode 2 (13 channels)

Dimmer @8b
8 colours @8b
Strobe: duration + speed
Response time
Control mode

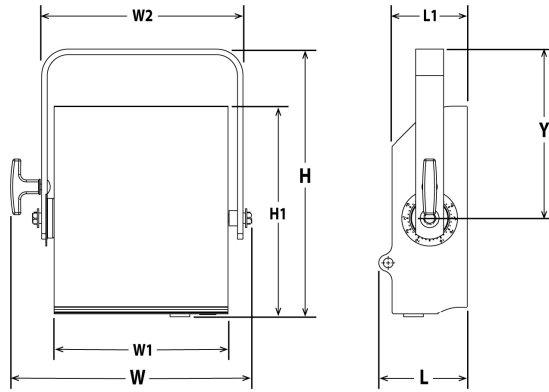
Mode 3 (8 channels)

Dimmer @16b
Colour presets
CCT
Strobe: duration + speed
Response time
Control mode

Mode 4 (7 channels)

Dimmer @8b
Colour presets
CCT
Strobe: duration + speed
Response time
Control mode

Dimensions and weight



Weight: 6.5 kg (14.3 lbs)

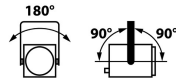
Height	Length	Width	Yoke	Tilt	Option
H= 385 mm (15.2 in) H1= 303 mm (11.9 in)	L= 127 mm (5 in) L1= 108 mm (4.3 in)	W= 346 mm (13.6 in) W1= 250 mm (9.8 in) W2= 289 mm (11.4 in)	Y= 243 mm (9.6 in)	TD= 90°	TO= 90°

Shipping

- **Weight :** 8.2 kg (18 lbs)
- **Volume :** .04 m³ (1.34 ft³)

Installation

- **Minimum distance to illuminated surface:** 0.2 m (0.7 ft)
- **Operating position:**



Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Convection cooling
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 70°C (158°F)
- **Total heat dissipation:** 481 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:** compatible powerCON® TRUE1 (connector included)

Power consumption

Voltage	Frequency	Current	Power	Power factor
230 V	50 Hz	0.8 A	141 W	0.72
120 V	60 Hz	1.3 A	143 W	0.91
100 V	60 Hz	1.5 A	142 W	0.92

Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
- **Protection:** -
- **Power thru:** compatible powerCON® TRUE1 - Maximum of 20 units (230 V) / 10 units (120 V)

Warranty

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

Approvals



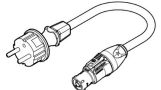

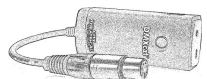




Model

861

8 colours LED 150W Asymmetric washlight - 861 Dalis

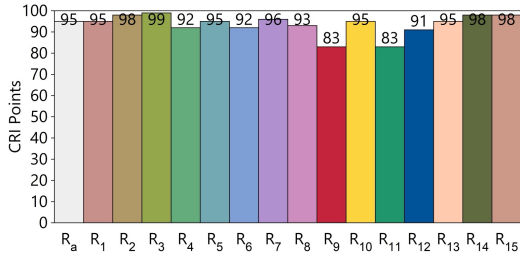
Options

Accessories

CAL03	3 meter power cable (3G1,5 HO7RNF) with compatible PowerCon® True1 and CEE 7/7 (2P+T NF/SCHUKO) connectors - Weight: 0.55 Kg	
CAL05	Combined Neutrik PowerCon® True1 / DMX (5 pins) patch cable - length: 1m	
DMXcat	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®	
872	Doughty "Twenty clamp" with M10 screw/nut for Ø48 to 51mm pipes - SWL: 20Kg - TÜV approved - Weight: 0.25 Kg	
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	

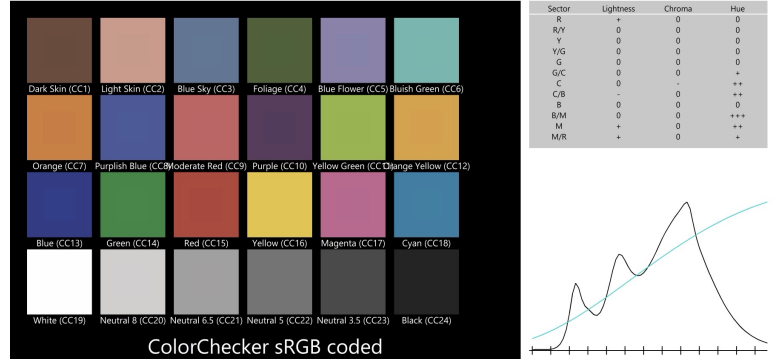
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI
3 150K	-0.0004	95	83	96	94	102	90

CRI - CIE Colour Rendering Index

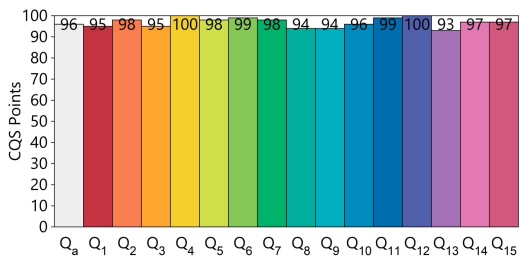


TLCI - Television Lighting Consistency Index

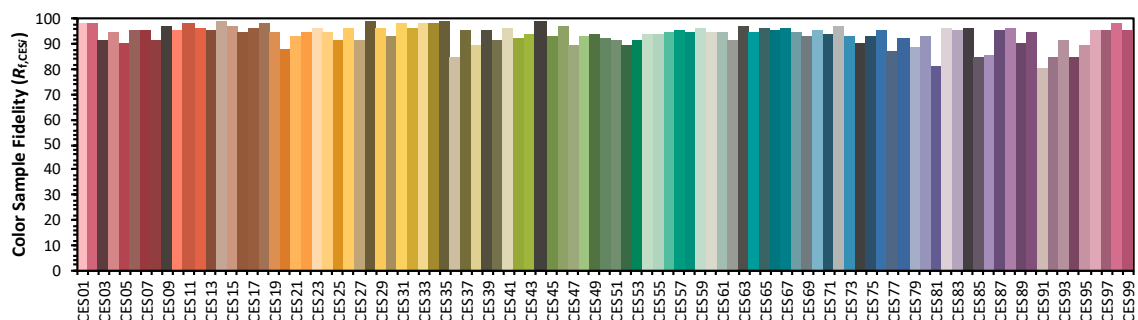
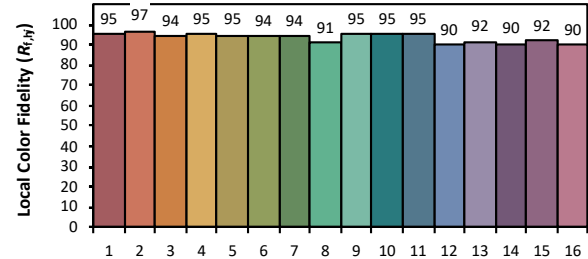
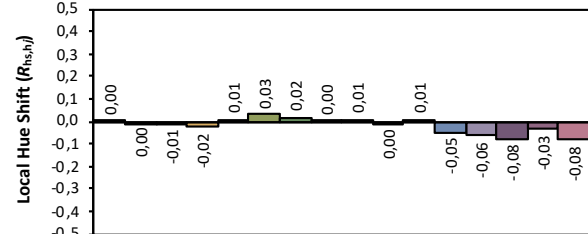
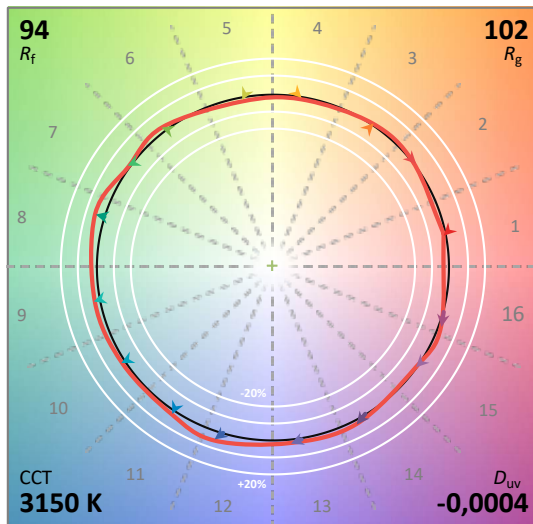
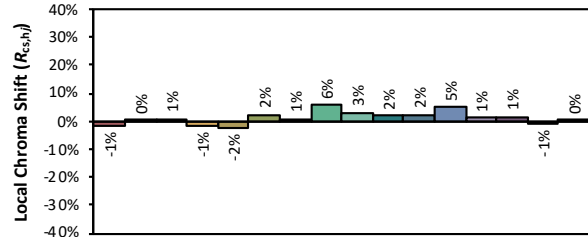
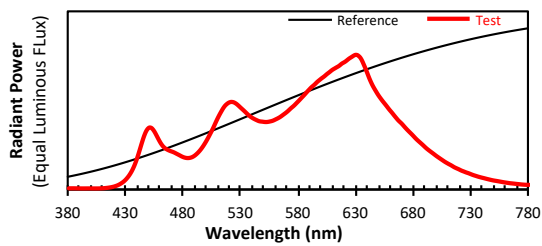
Test : CCT = P3150 (-0.1)
 TLCI-2012 : 90 (P3150)



CQS - NIST Colour Quality Scale



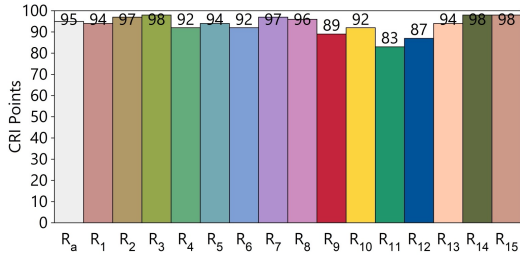
ANSI/IES TM-30-18 Colour Rendition Report



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

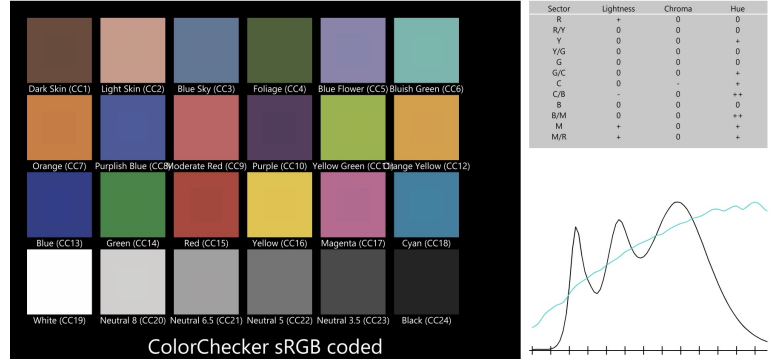
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI
3 880K	-0.0007	95	89	96	93	102	91

CRI - CIE Colour Rendering Index

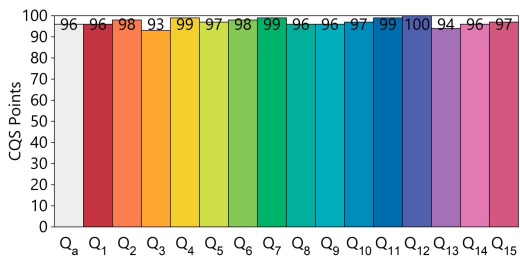


TLCI - Television Lighting Consistency Index

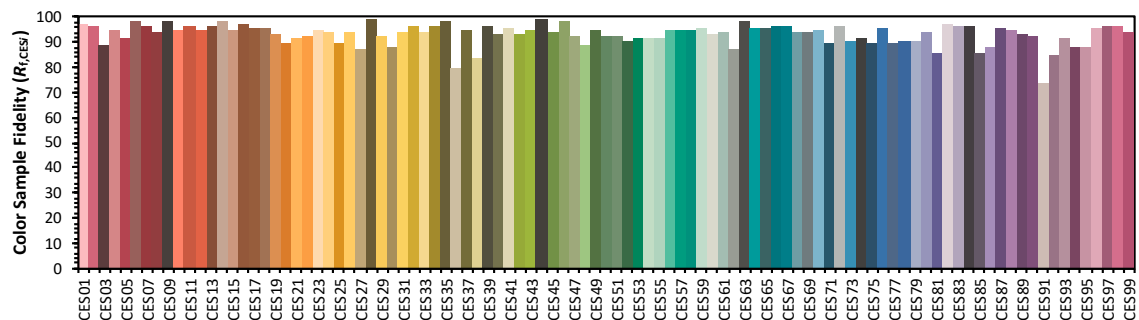
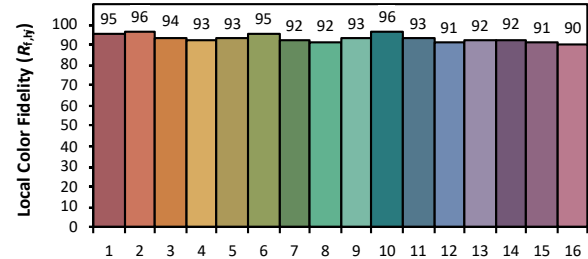
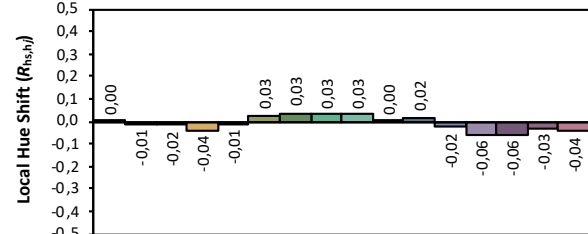
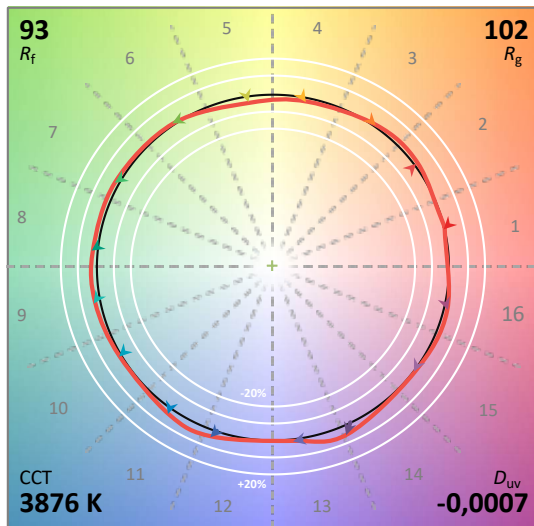
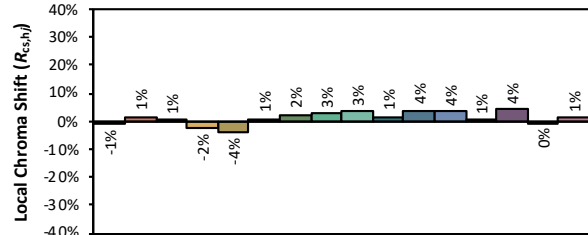
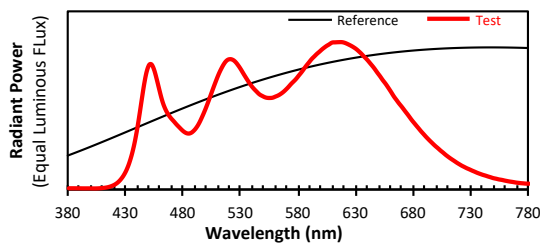
Test : CCT = M3876 (-0.1)
 TLCI-2012 : 91 (M3876)



CQS - NIST Colour Quality Scale



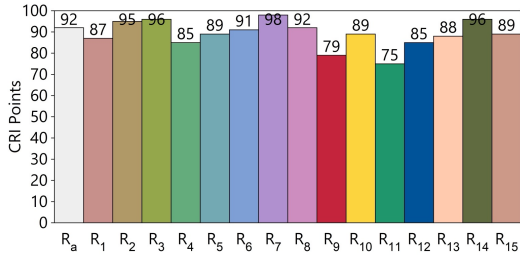
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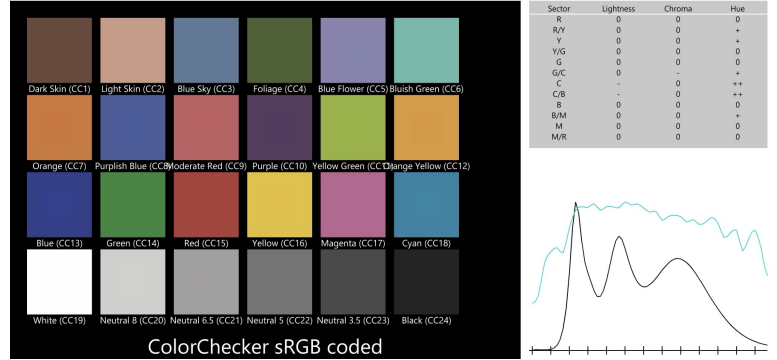
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI
5 530K	-0.0009	92	79	95	92	105	91

CRI - CIE Colour Rendering Index

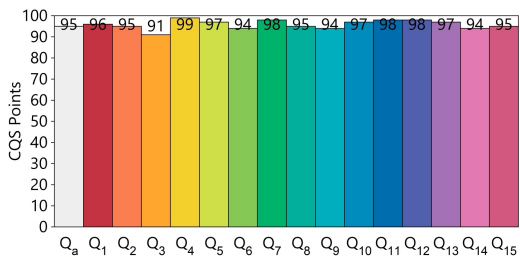


TLCI - Television Lighting Consistency Index

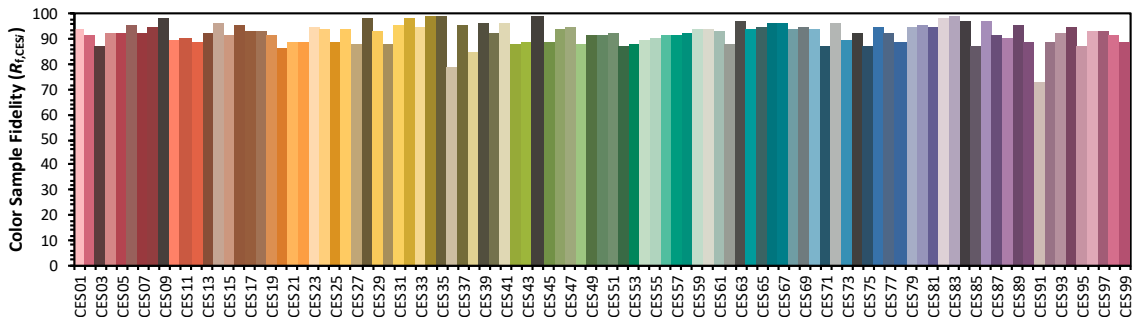
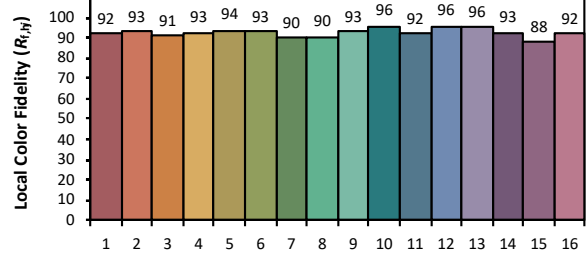
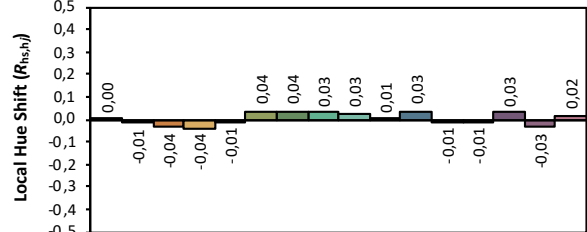
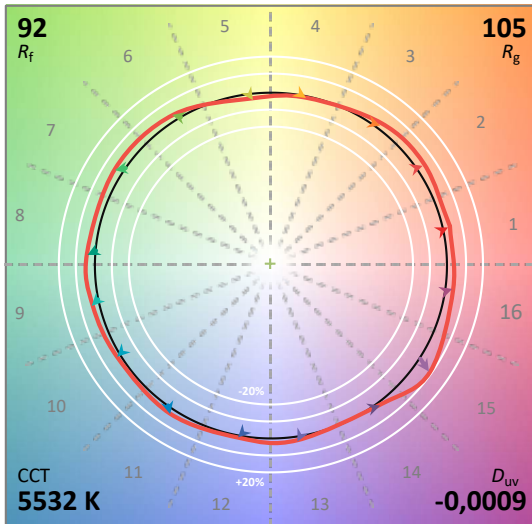
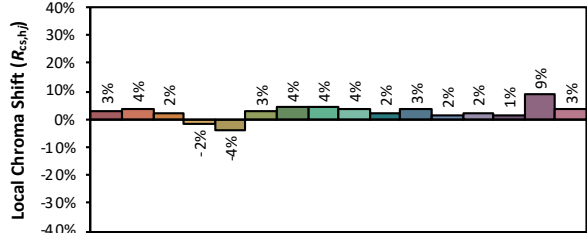
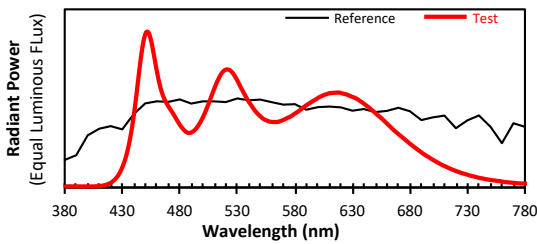
Test : CCT = D5532 (-0.8)
 TLCI-2012 : 91 (D5532)



CQS - NIST Colour Quality Scale



ANSI/IES TM-30-18 Colour Rendition Report



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