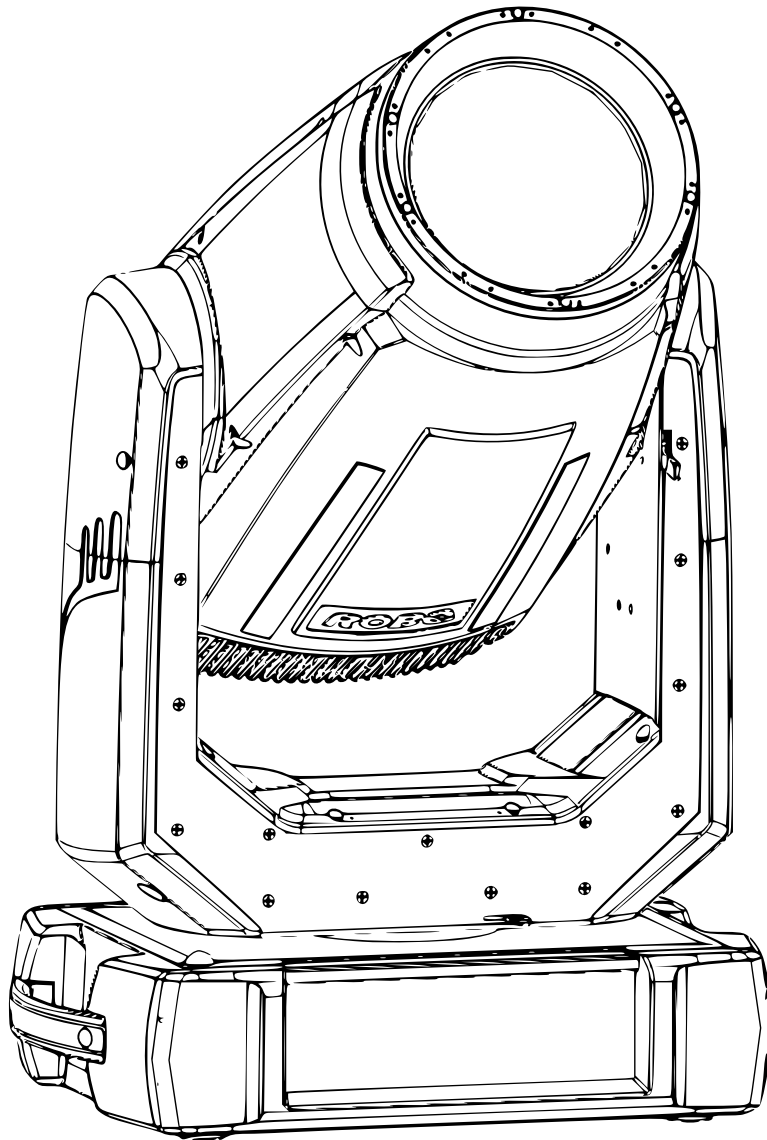




ROBE®

iEsprite HP

Photometric report

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iEsprite HP

Photometric report

Total Lumen output measurements

Total lumen output is measured by a Goniophotometer device according to EN 13032-1 within our state of the art ROBE lighting Ltd. photometric laboratory. We measure light emitted from the fixture at all radiating angles for minimum, maximum and mid zoom range. As a confirmation method we also measure lumens on the wall. Data from both measurements are processed in the software to calculate all photometric data. We provide photometric data in IES and LDT file and photometric report that includes spectrum, light distribution, TM30-15 and TLCI report.

Measurement conditions

For absolute consistency the Climate room temperature is 25°C. Fixtures are operated for at least 30 minutes for stabilization. Measurement angles used: -90° to +90° pan (-90° to +90° tilt), step 1°. A step angle of 10° is used for fixtures with elliptical or asymmetrical light output. Distances used are 5 m or 10 m.

All fixtures to produce the data are calibrated and checked for several photometric parameters, such as Intensity, CCT, CRI and duv, to meet all the specified values.

Equipment

Konica Minolta Illuminance Spectrophotometer CL-500A

Konica Minolta Illuminance Colour Meter CL-200A

Konica Minolta CRI Illuminance meter CL-70F

PRC Krochmann Radiolux 111

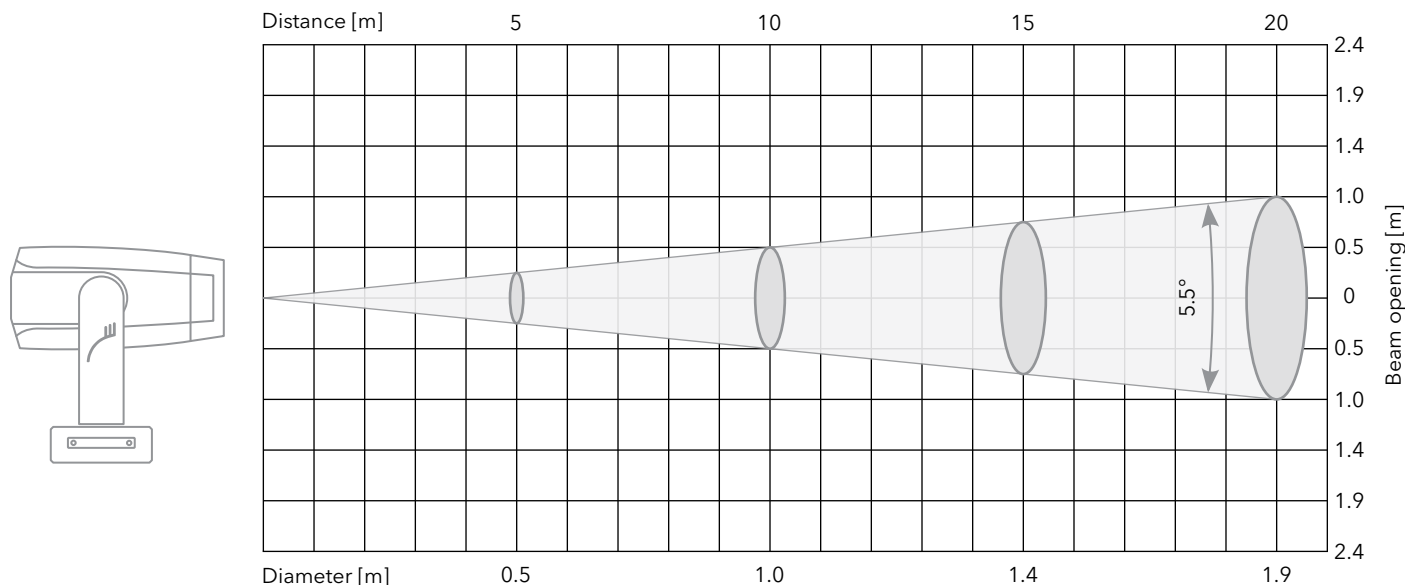
- Photometric measurement head
- UVA and UVC measurement head

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 70

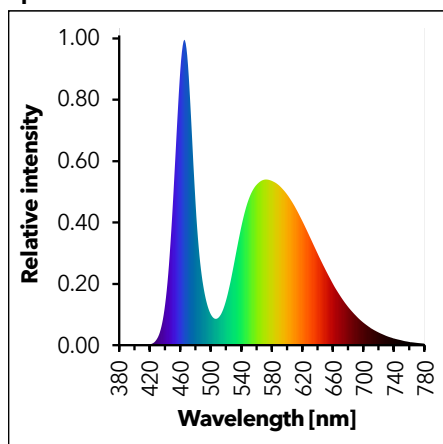
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	17987 lm	16352 lm	2083025 cd	945 W



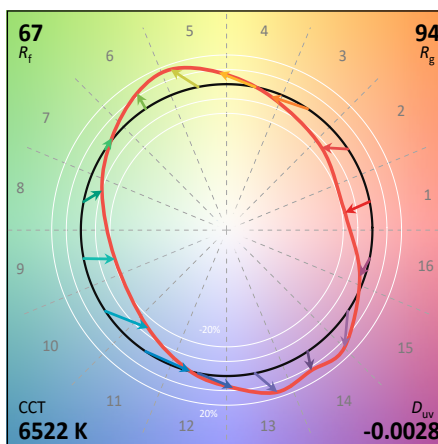
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	83321/7741	20830/1935	9258/860	5208/484	2314/215	1302/121	833/77	16352
Auto Fan Mode	73885/6864	18471/1716	8209/763	4618/429	2052/191	1154/107	739/69	14500
High Fan Mode	78603/7302	19651/1826	8734/811	4913/456	2183/203	1228/114	786/73	15426
Quiet Fan Mode	54255/5040	13564/1260	6028/560	3391/315	1507/140	848/79	543/50	10648

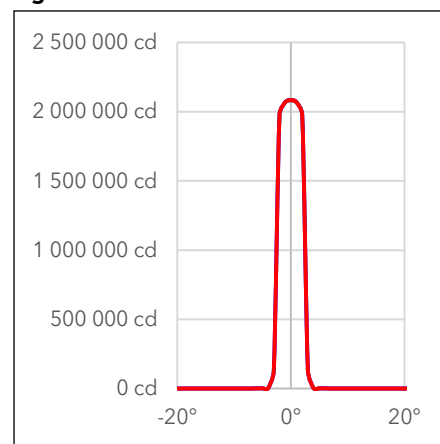
Spectrum



TM-30



Light distribution



Color temperature	CCT	6522
Color Deviation from Black	Duv	-0.0028
Color Coordinate CIE 1931	x	0.3138
	y	0.3187
Color Coordinate	u	0.2026
	v	0.3086

Color rendering index	CRI	69
Red component	CRI R9	-25
Color fidelity	TM30 Rf	67
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	42

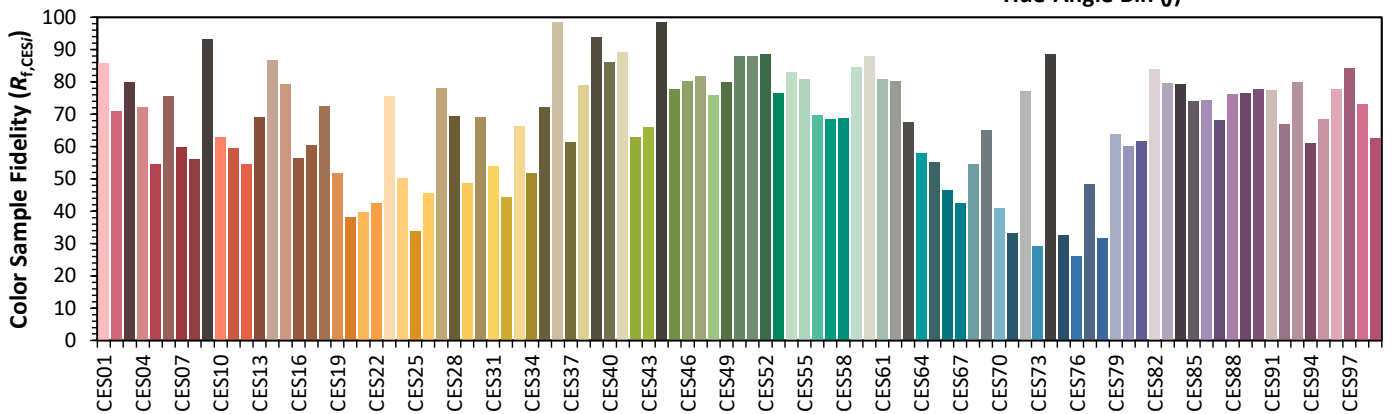
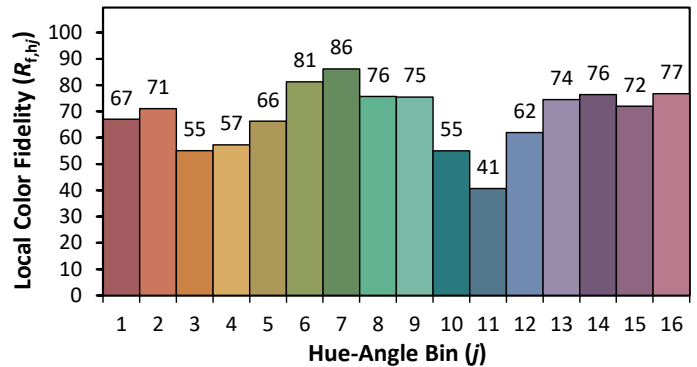
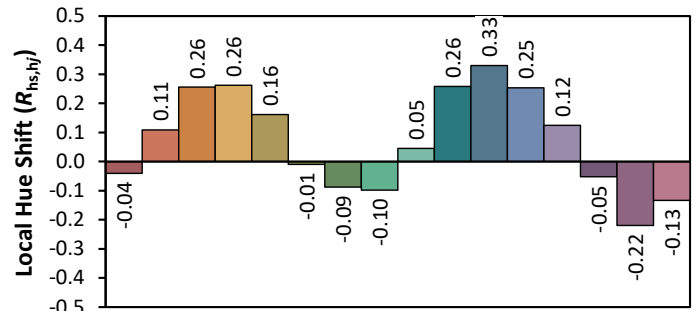
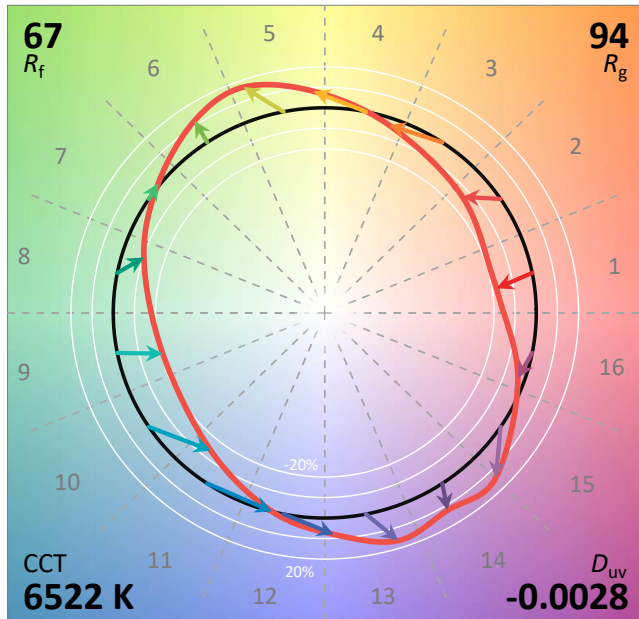
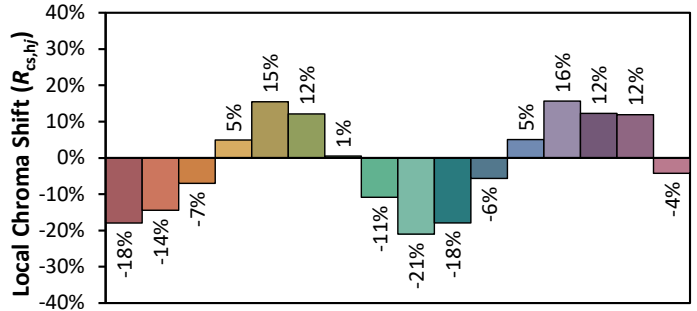
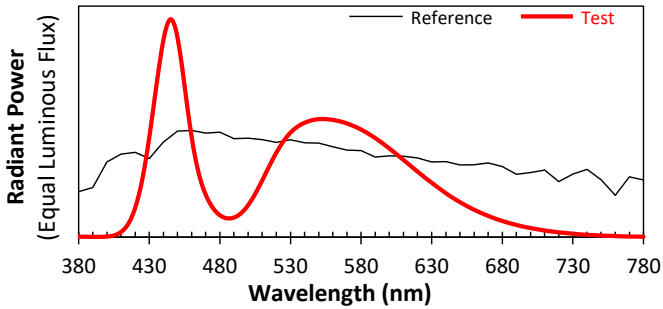
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3139

y 0.3187

u' 0.2026

v' 0.4629

CIE 13.3-1995
(CRI)

R_a 69

R_g -25

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

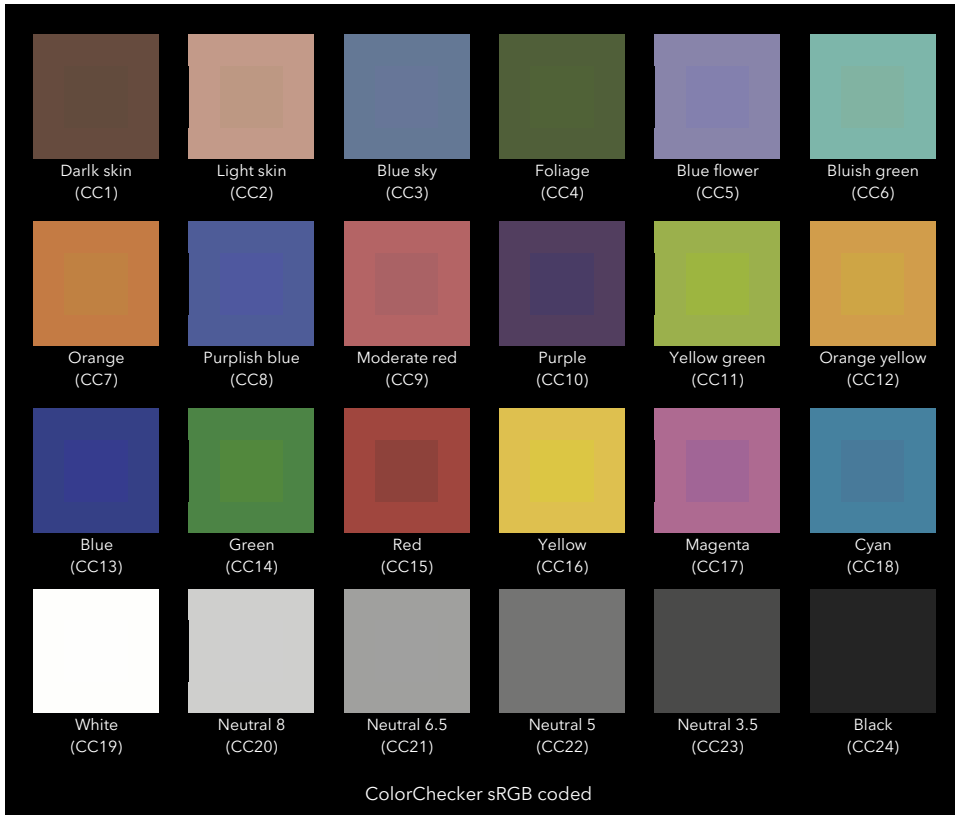
Photometric report

Beam angle 5.5° - Min. zoom - CRI 70

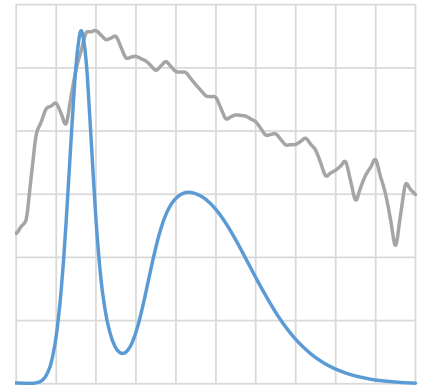
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6522 (-0.5)

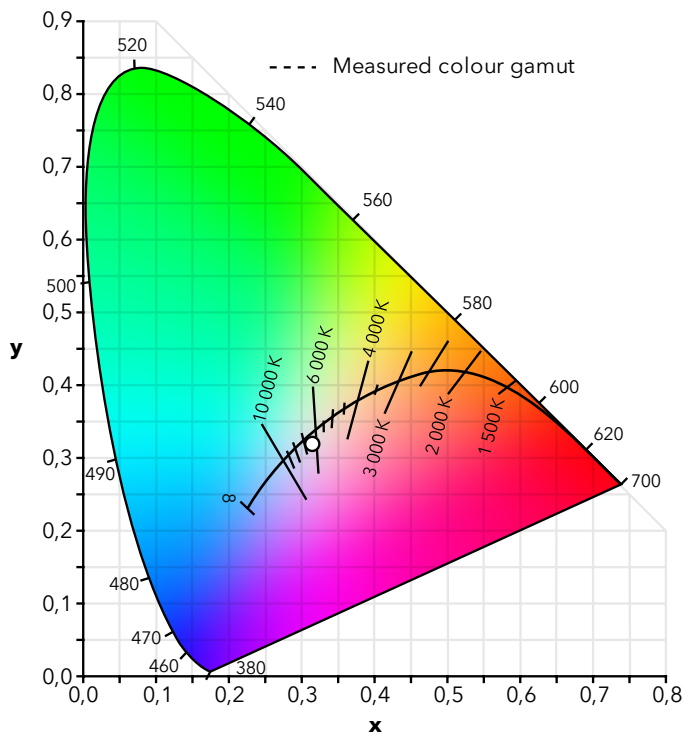
TLCI-2012: 42 (D6522)



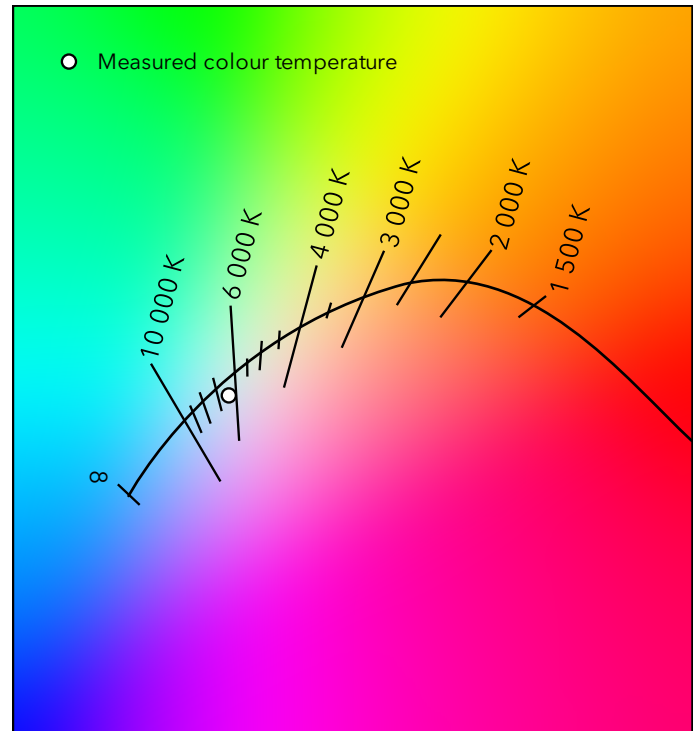
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	----
Y	--	--	-----
Y/G	-	---	0
G	--	--	+++
G/C	+	0	+++++
C	+++	0	0
C/B	++++	0	----
B	0	---	-----
B/M	++	----	+++
M	+++++	-	+++++++
M/R	+++++	-	+++++++



CIE 1931 color space gamut



Colour temperature



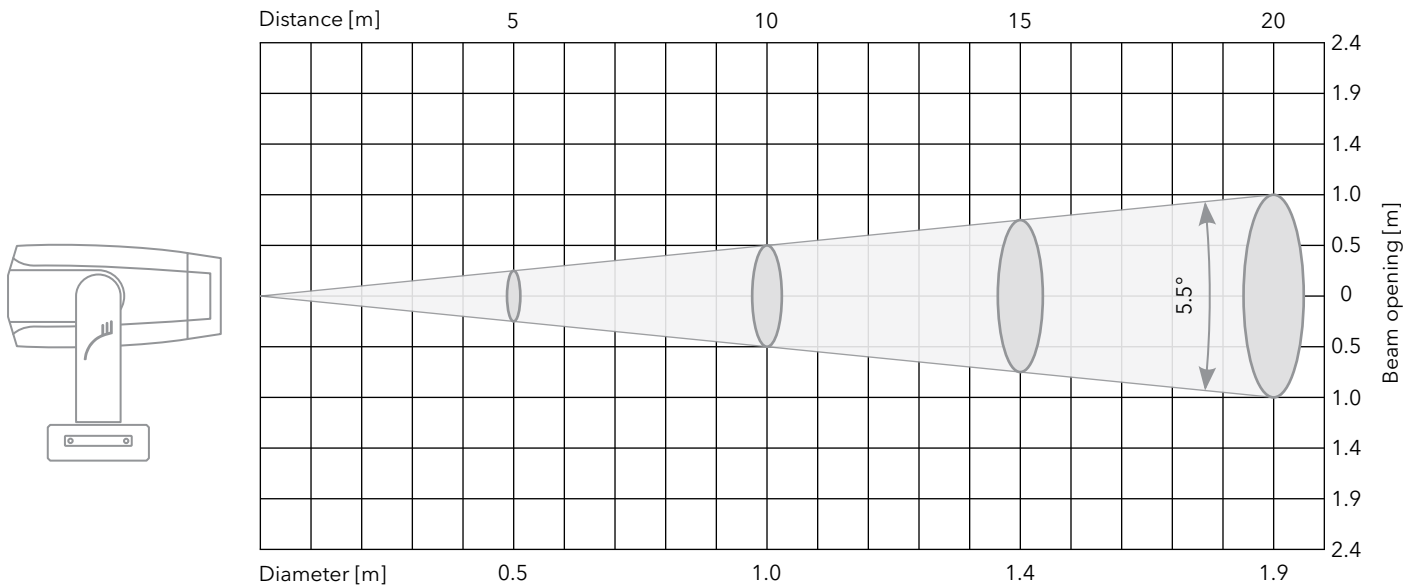
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 80

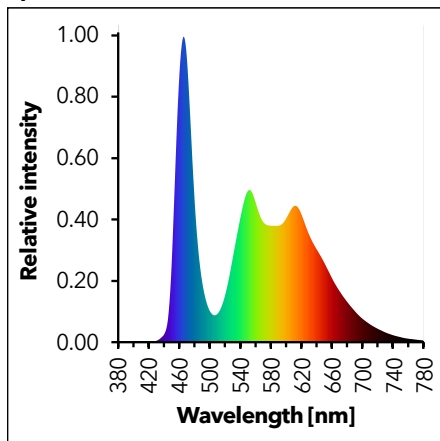
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	14506 lm	13187 lm	1679875 cd	945 W



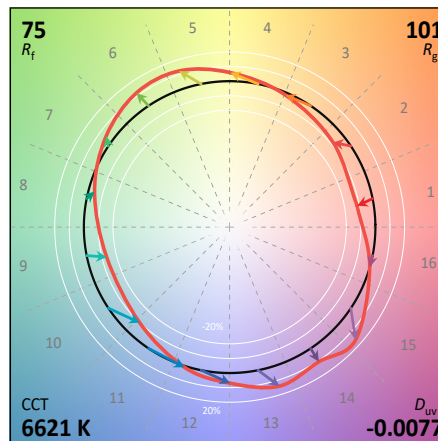
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	67195/6243	16799/1561	7466/694	4200/390	1867/173	1050/98	672/62	13187
Auto Fan Mode	59585/5536	14896/1384	6621/615	3724/346	1655/154	931/86	596/55	11694
High Fan Mode	63390/5889	15848/1472	7043/654	3962/368	1761/164	990/92	634/59	12440
Quiet Fan Mode	43754/4065	10939/1016	4862/452	2735/254	1215/113	684/64	438/41	8587

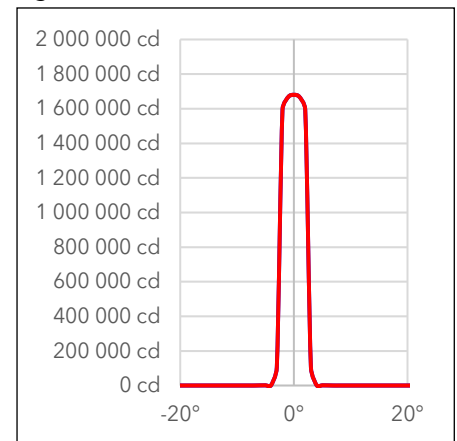
Spectrum



TM-30



Light distribution



Color temperature	CCT	6621
Color Deviation from Black	Duv	-0.0077
Color Coordinate CIE 1931	x	0.3136
	y	0.3095
Color Coordinate	u	0.2061
	v	0.3051

Color rendering index	CRI	80
Red component	CRI R9	19
Color fidelity	TM30 Rf	75
Color gamut	TM30 Rg	101
Television consistency Index	TLCI	59

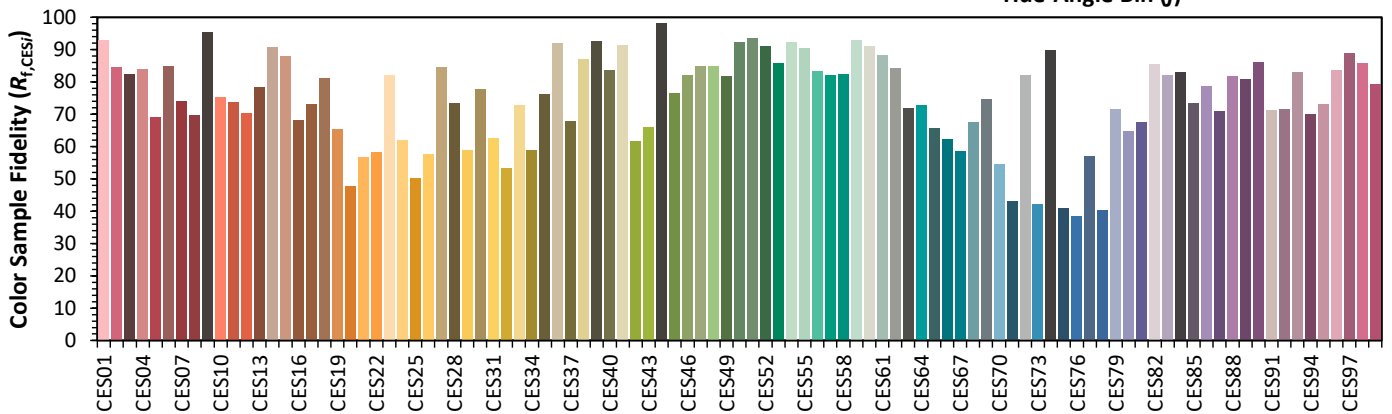
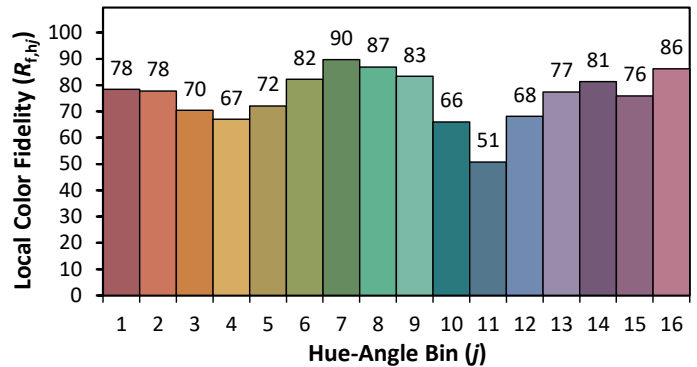
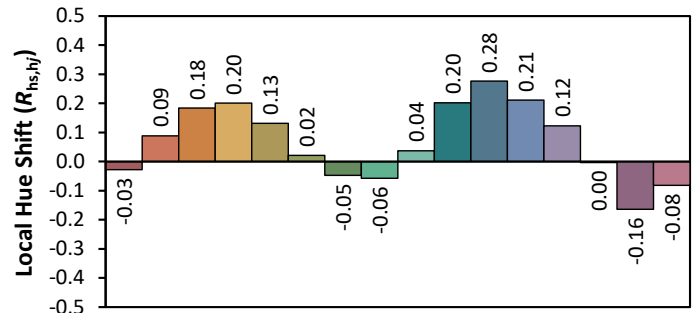
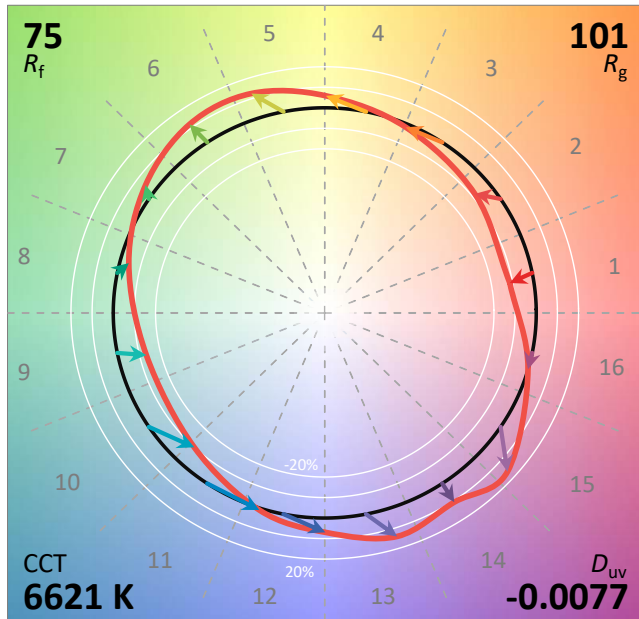
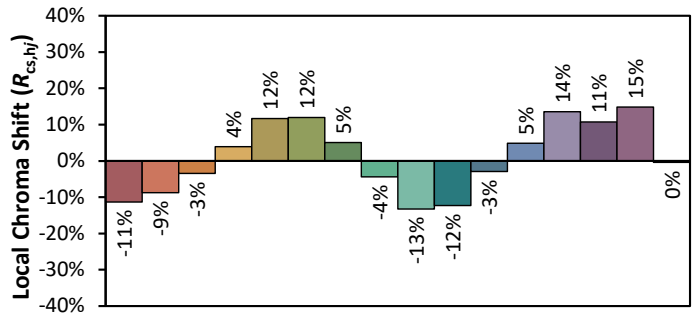
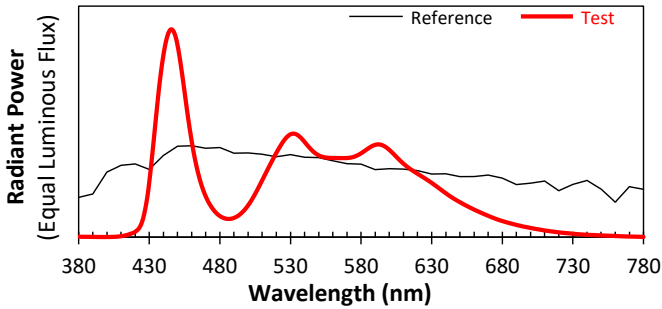
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3136
y 0.3095
 u' 0.2061
 v' 0.4576

CIE 13.3-1995
(CRI)

R_a 80

R_g 19

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

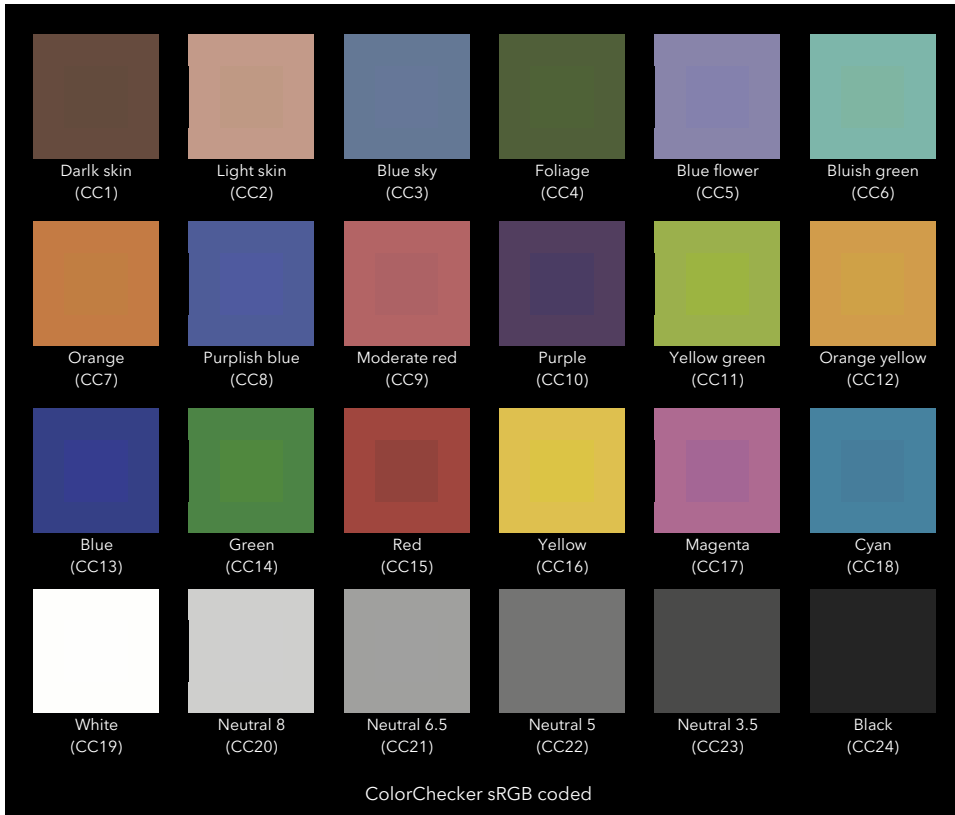
Photometric report

Beam angle 5.5° - Min. zoom - CRI 80

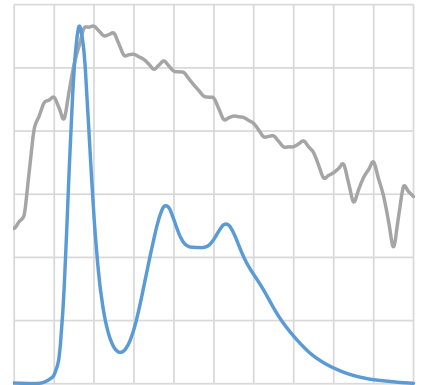
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6621 (-1.4)

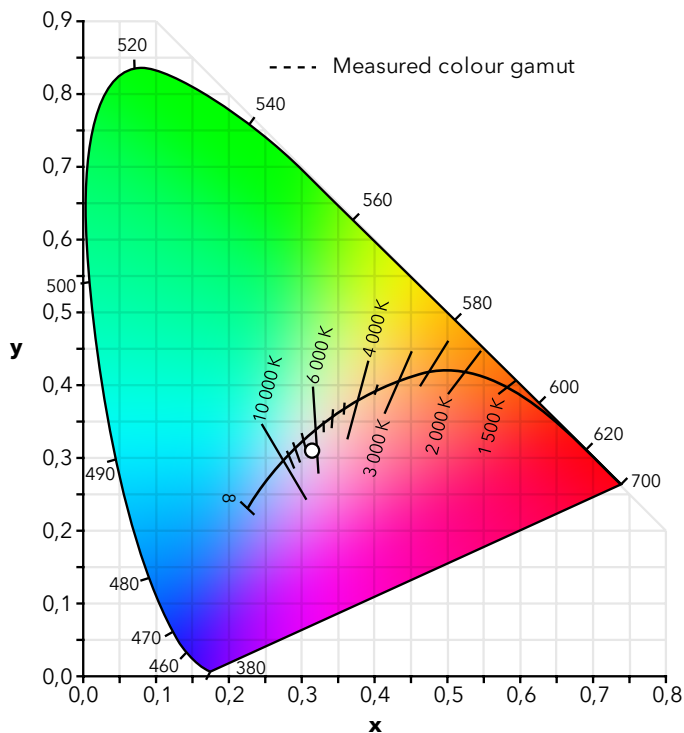
TLCI-2012: 59 (D6621)



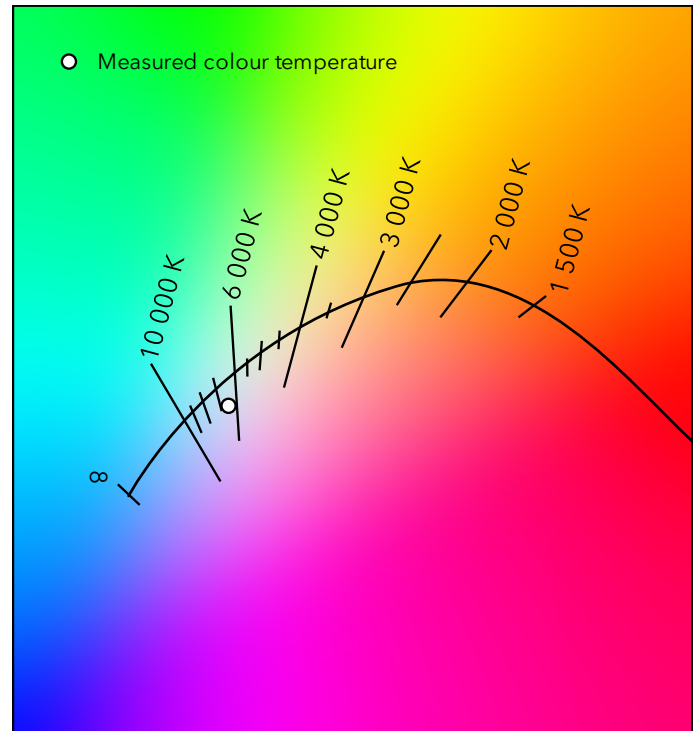
Sector	Lightness	Chroma	Hue
R	+++	++	+
R/Y	0	0	---
Y	-	-	----
Y/G	-	---	0
G	--	--	++
G/C	0	0	++++
C	++	0	+
C/B	+++	0	--
B	0	---	---
B/M	++	---	+++
M	++	--	+++++
M/R	++++	-	+++++



CIE 1931 color space gamut



Colour temperature



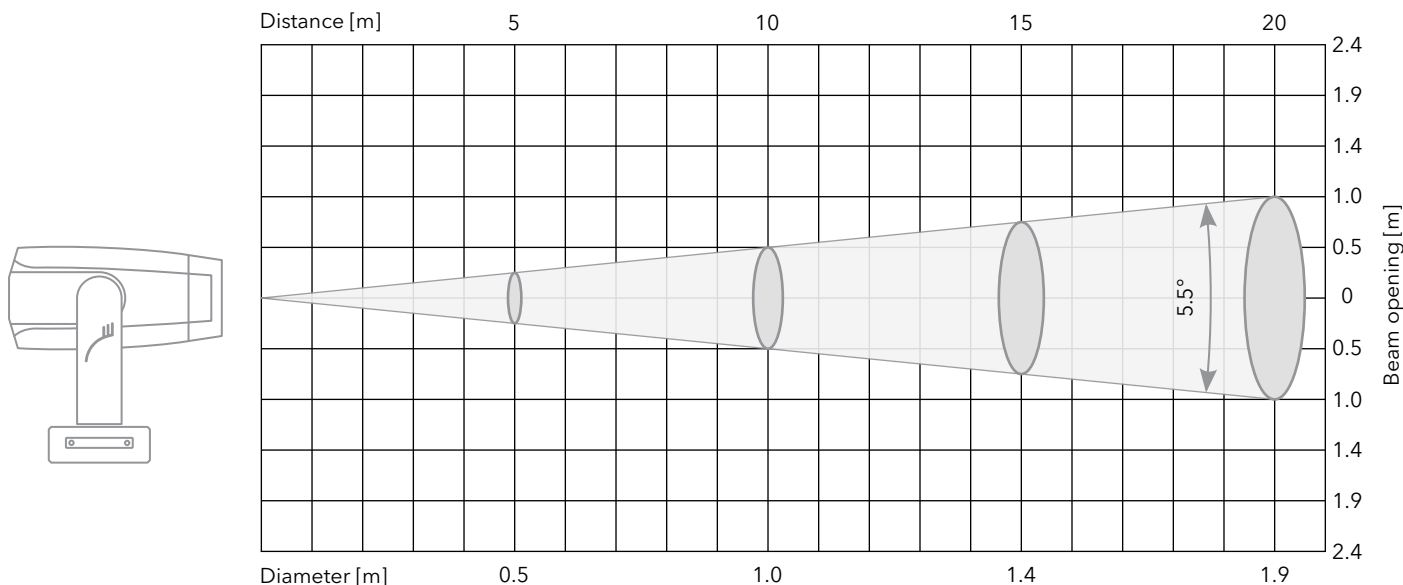
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 90

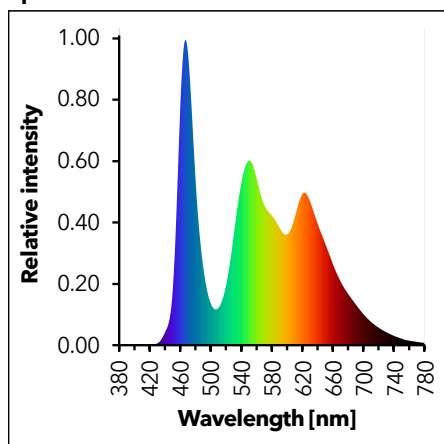
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	12736 lm	11474 lm	1461600 cd	945 W



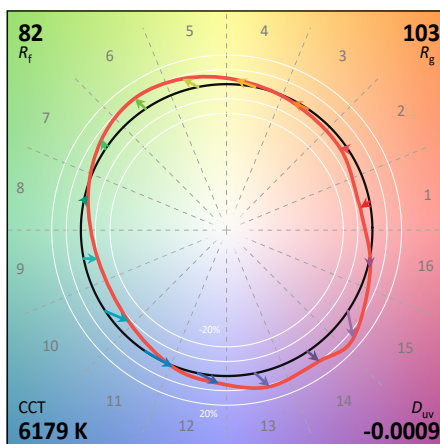
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	58464/5431	14616/1358	6496/603	3654/339	1624/151	914/85	585/54	11474
Auto Fan Mode	51843/4816	12961/1204	5760/535	3240/301	1440/134	810/75	518/48	10175
High Fan Mode	55154/5124	13789/1281	6128/569	3447/320	1532/142	862/80	552/51	10824
Quiet Fan Mode	38069/3537	9517/884	4230/393	2379/221	1057/98	595/55	381/35	7471

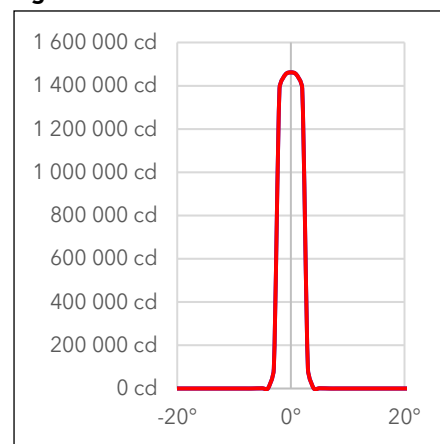
Spectrum



TM-30



Light distribution



Color temperature	CCT	6179
Color Deviation from Black	Duv	-0.0010
Color Coordinate CIE 1931	x	0.3190
	y	0.3270
Color Coordinate	u	0.2030
	v	0.3121

Color rendering index	CRI	85
Red component	CRI R9	44
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	75

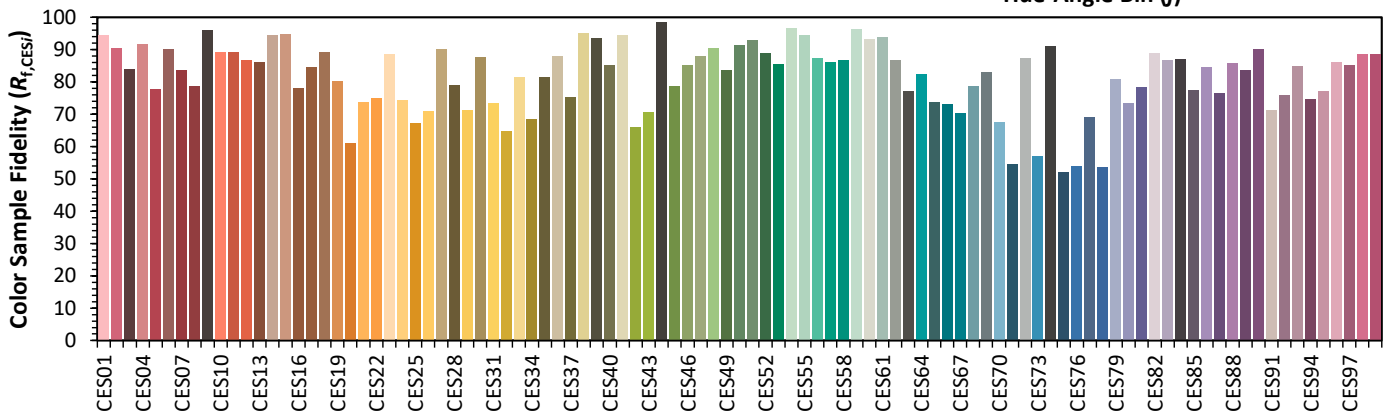
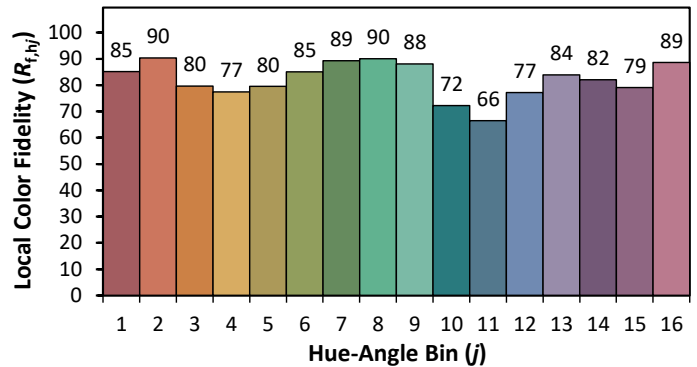
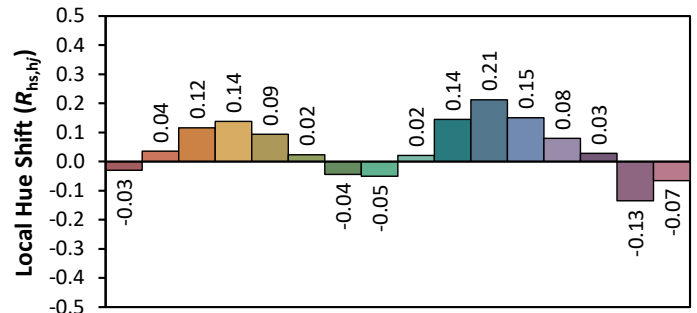
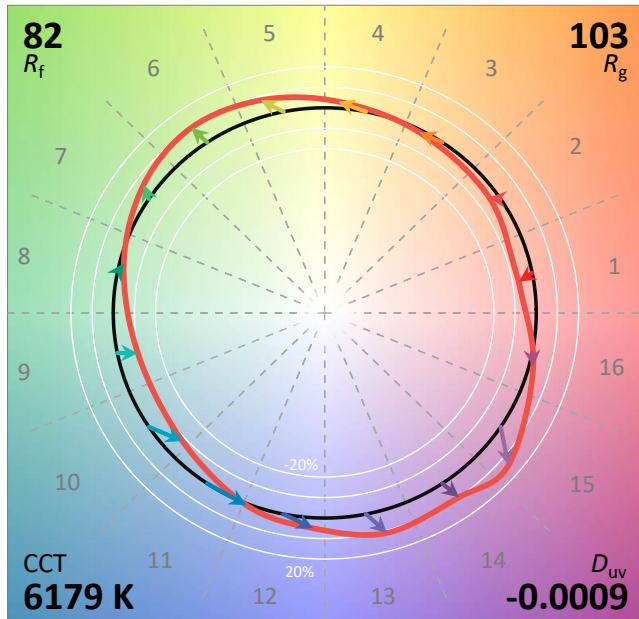
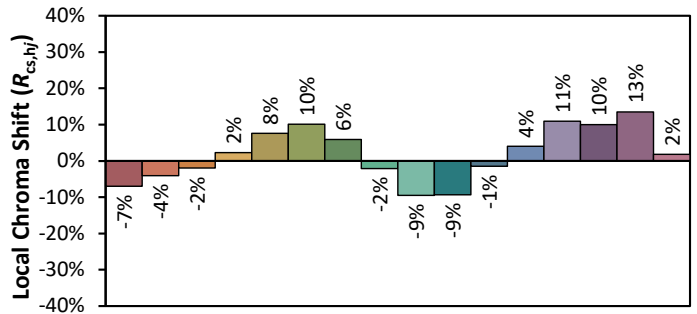
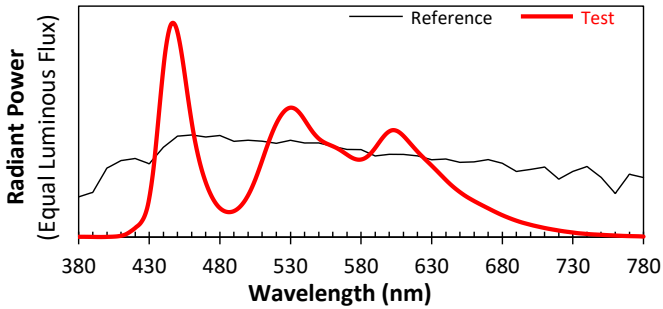
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3190
y 0.3271
 u' 0.2030
 v' 0.4682

CIE 13.3-1995
(CRI)

R_a 85
 R_g 44

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

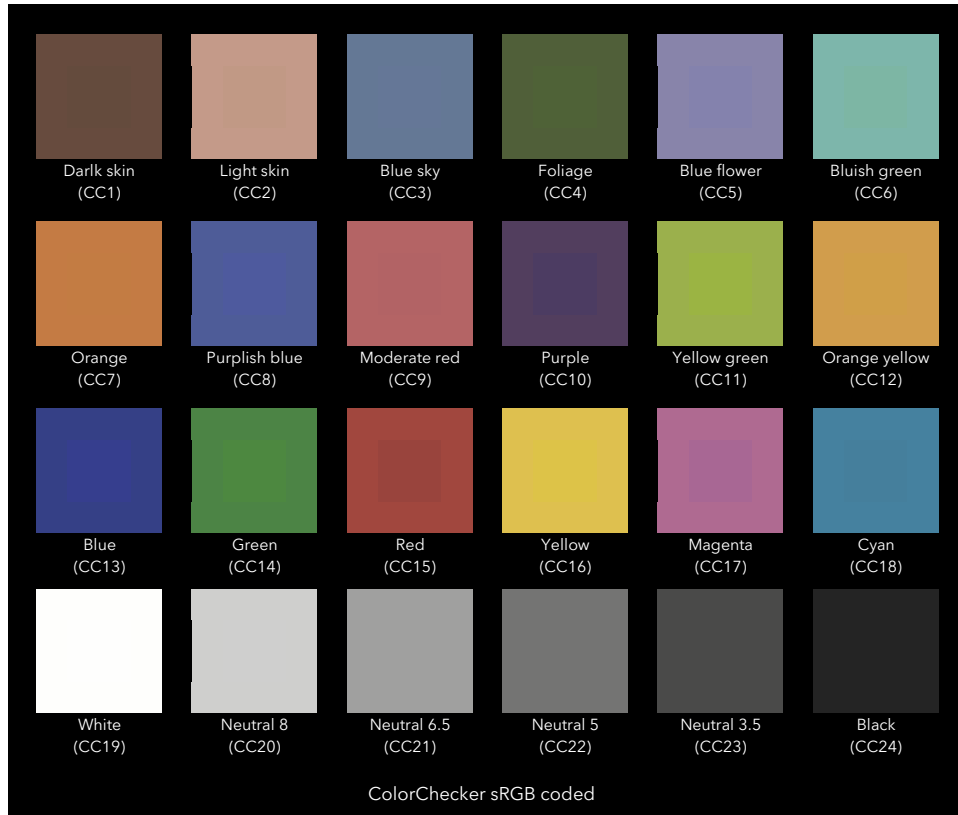
Photometric report

Beam angle 5.5° - Min. zoom - CRI 90

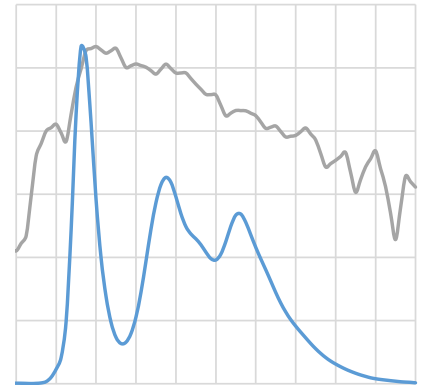
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6179 (-0.2)

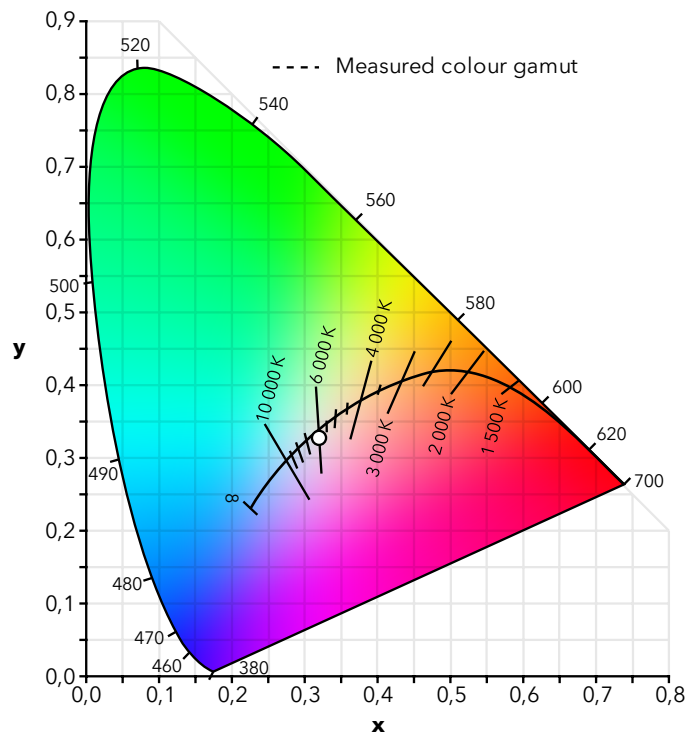
TLCI-2012: 75 (D6179)



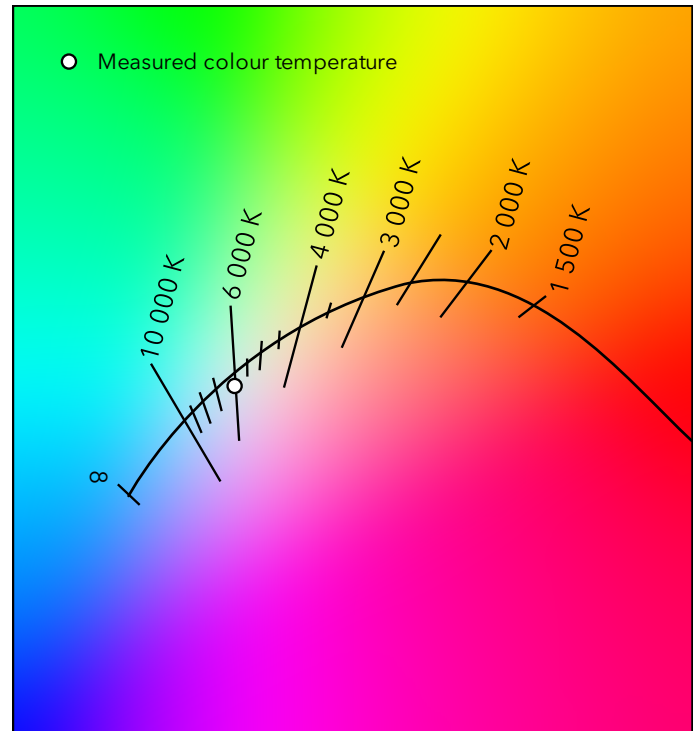
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	--
Y/G	-	--	0
G	--	--	+
G/C	0	-	++++
C	+	0	+
C/B	+	0	0
B	0	---	---
B/M	+	--	++
M	++	-	++++
M/R	++	0	++++



CIE 1931 color space gamut



Colour temperature



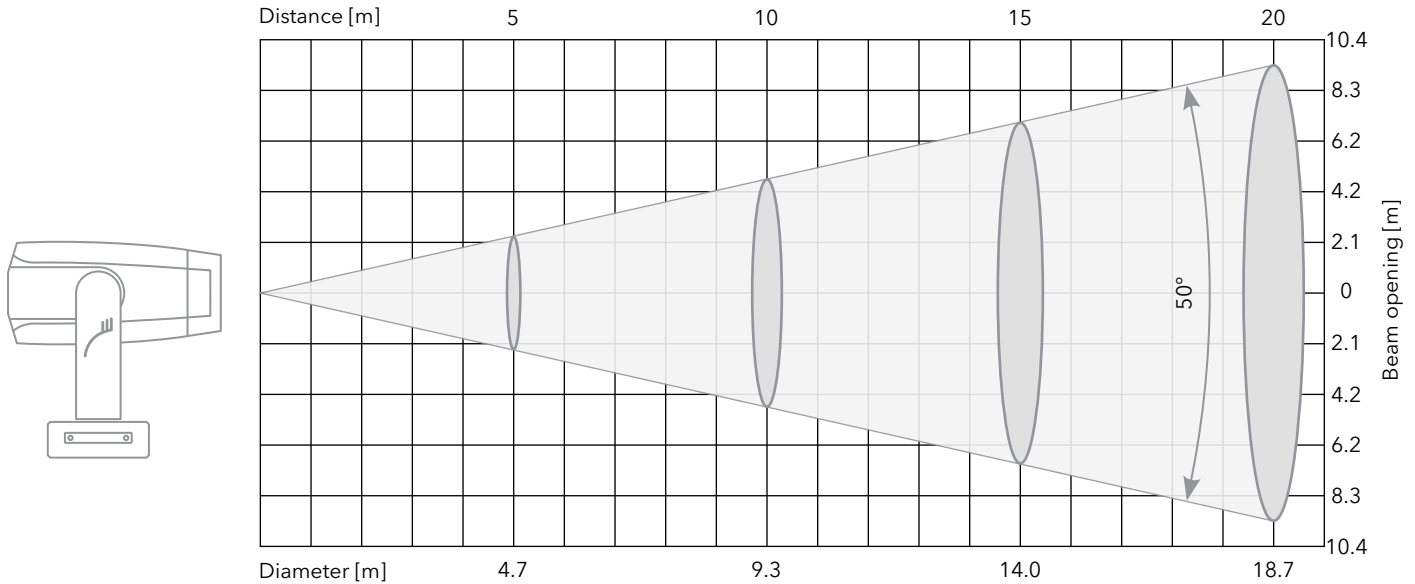
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 70

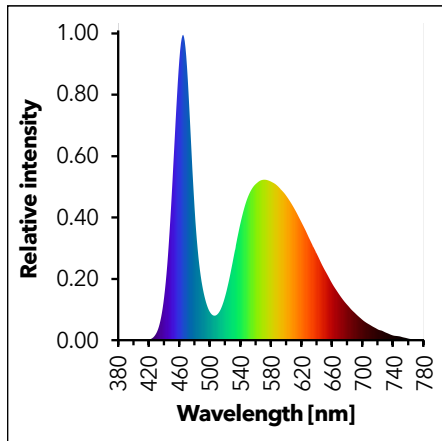
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	33045 lm	26506 lm	50475 cd	945 W



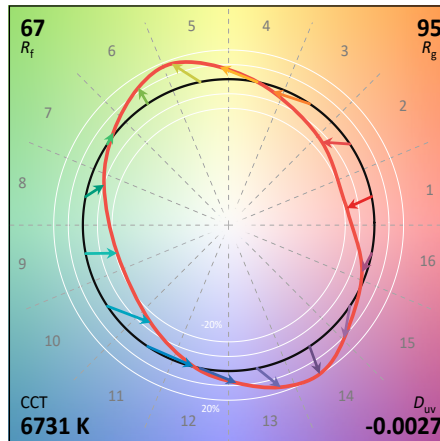
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	2019/187.6	504.8/46.9	224.3/20.8	126.2/11.7	56.1/5.2	31.5/2.9	20.2/1.9	26506
Auto Fan Mode	1796/166.9	449/41.7	199.6/18.5	112.3/10.4	49.9/4.6	28.1/2.6	18/1.7	23578
High Fan Mode	1911/177.5	477.8/44.4	212.3/19.7	119.4/11.1	53.1/4.9	29.9/2.8	19.1/1.8	25088
Quiet Fan Mode	1149/106.7	287.3/26.7	127.7/11.9	71.8/6.7	31.9/3	18/1.7	11.5/1.1	15084

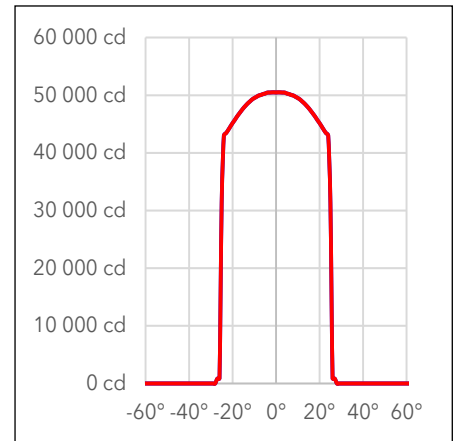
Spectrum



TM-30



Light distribution



Color temperature	CCT	6731
Color Deviation from Black	Duv	-0.0027
Color Coordinate CIE 1931	x	0.3108
	y	0.3159
Color Coordinate	u	0.2015
	v	0.3072

Color rendering index	CRI	69
Red component	CRI R9	-28
Color fidelity	TM30 Rf	67
Color gamut	TM30 Rg	95
Television consistency Index	TLCI	41

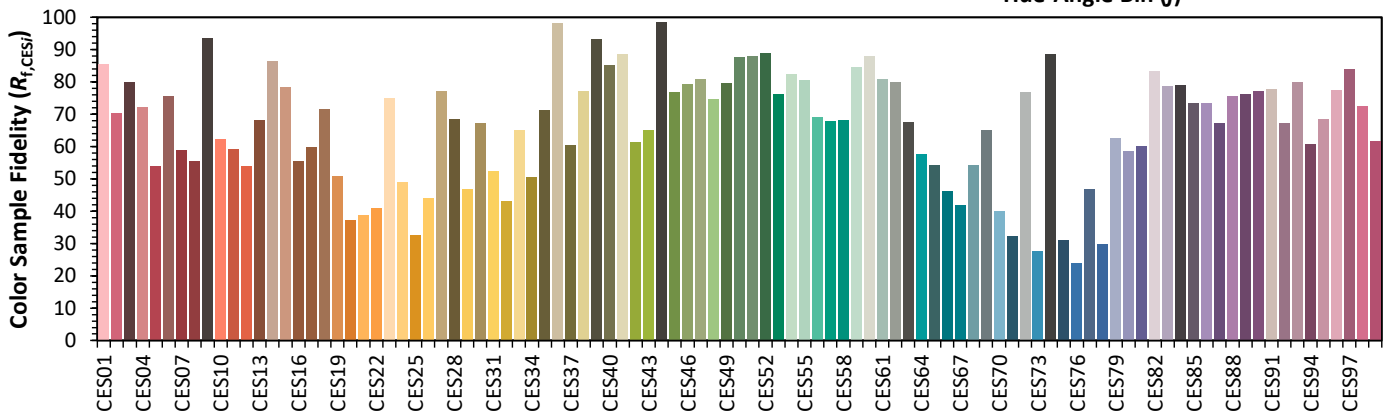
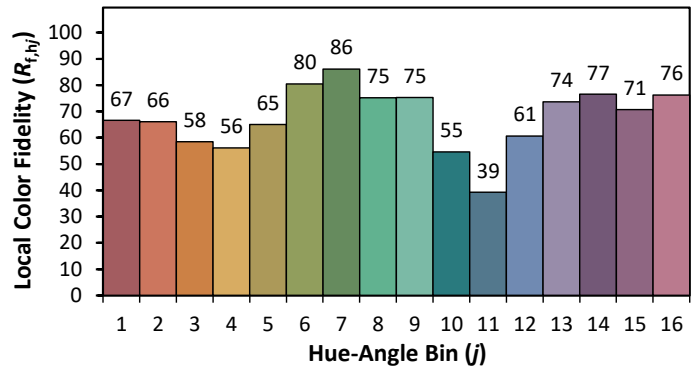
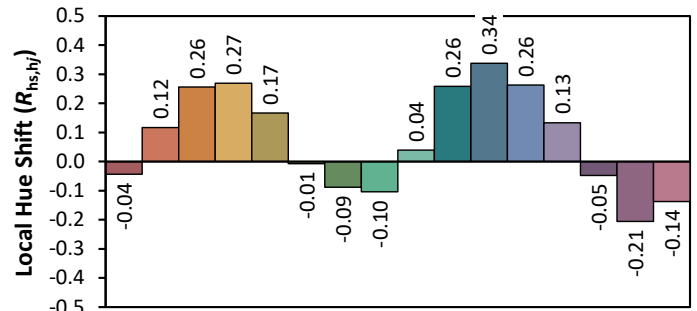
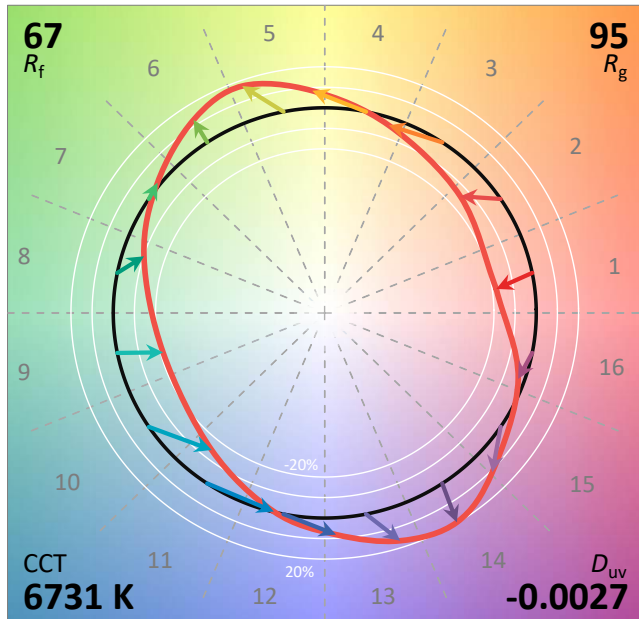
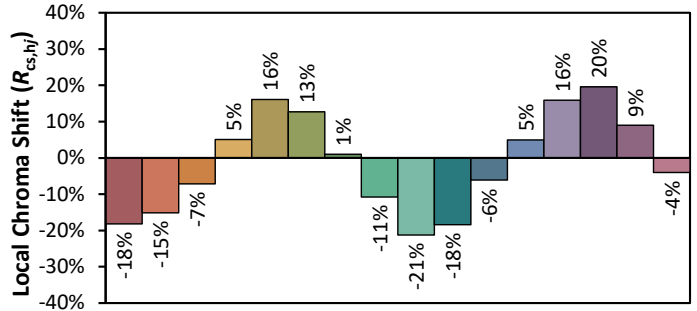
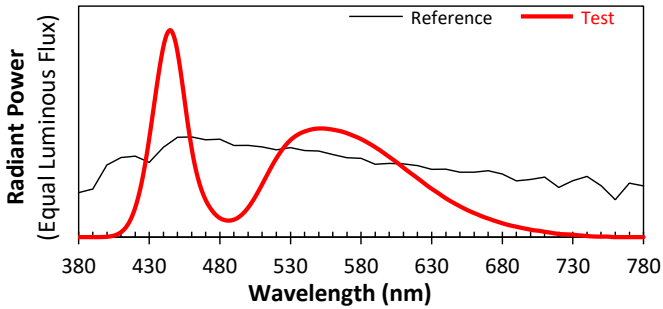
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3108
y 0.3159
 u' 0.2015
 v' 0.4609

CIE 13.3-1995
(CRI)

R_a 69

R_g -28

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

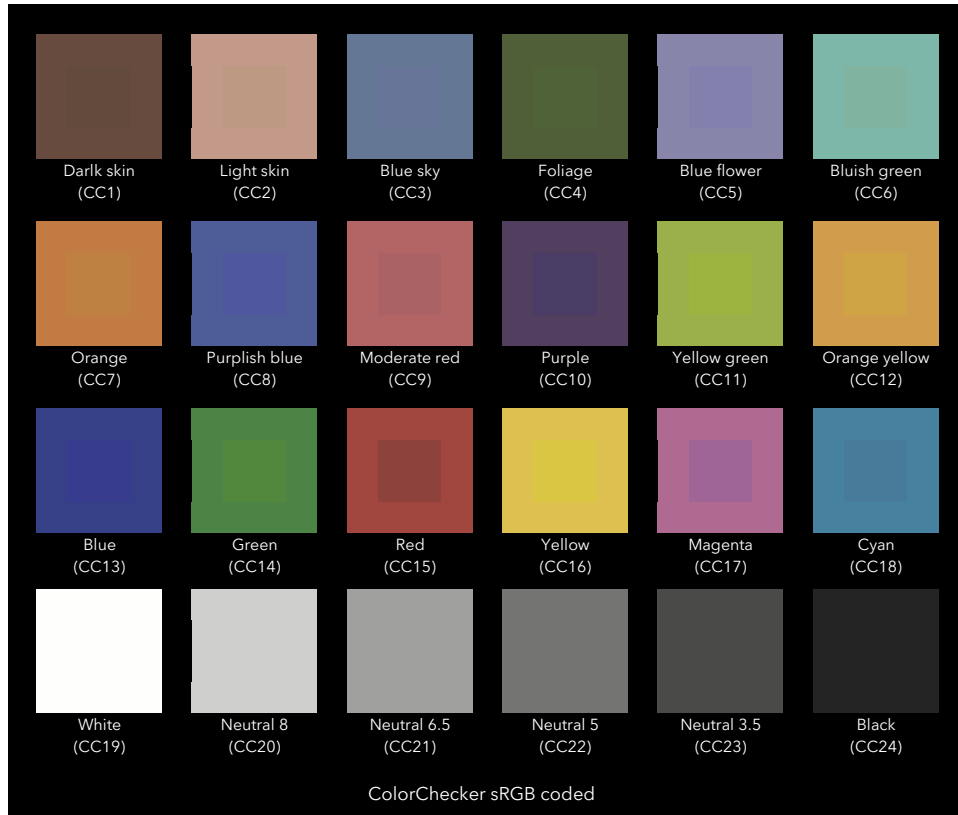
Photometric report

Field angle 50° - Max. zoom - CRI 70

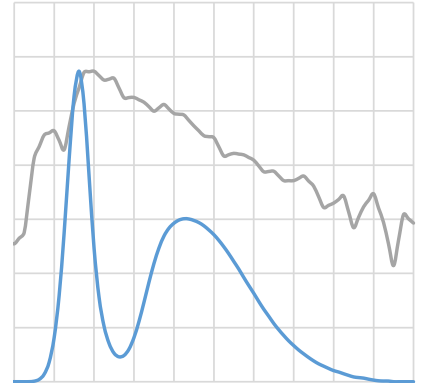
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6731 (-0.5)

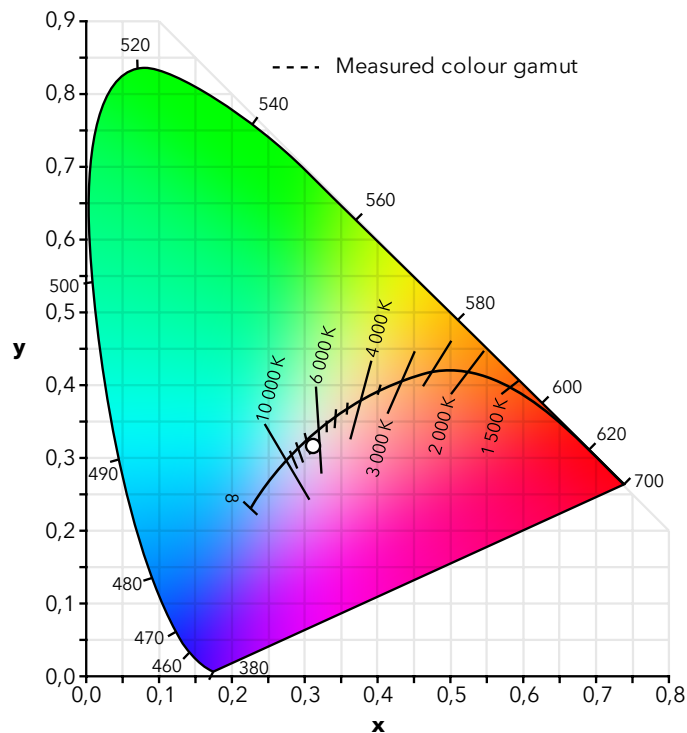
TLCI-2012: 41 (D6731)



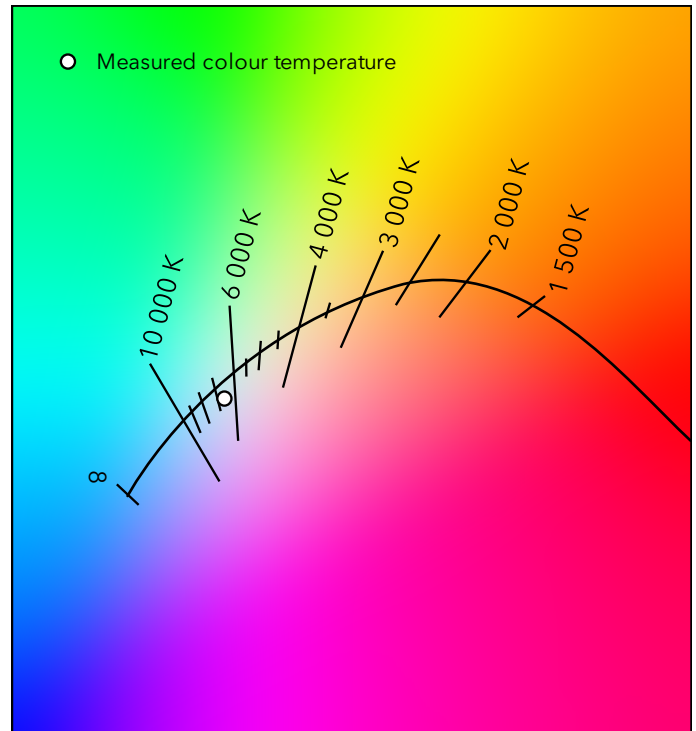
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	---	0
G	--	--	+++
G/C	+	0	+++++
C	+++	0	0
C/B	++++	0	-----
B	0	---	-----
B/M	++	----	+++
M	+++++	-	+++++++
M/R	+++++	-	+++++++



CIE 1931 color space gamut



Colour temperature



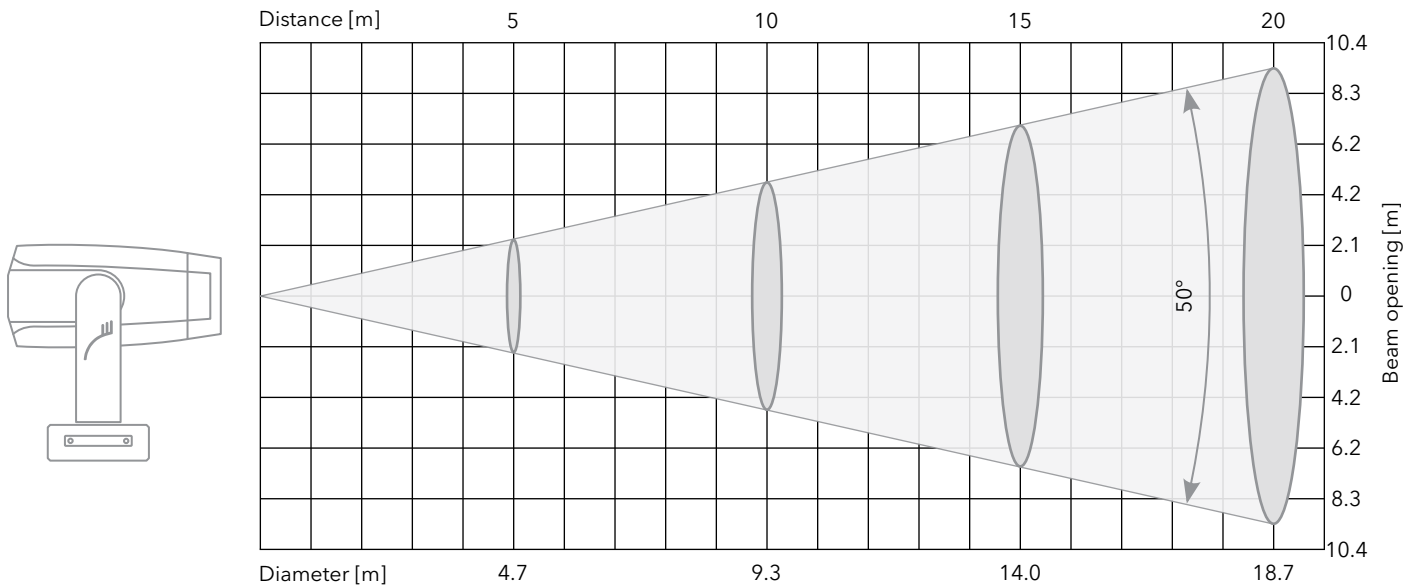
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 80

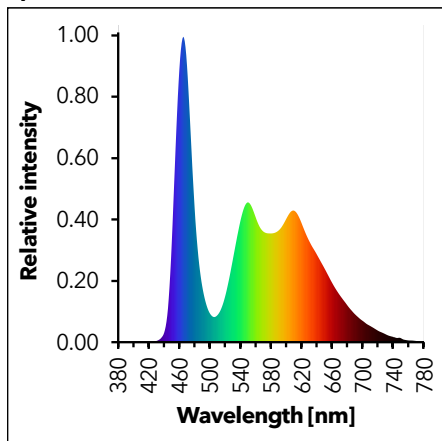
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	26720 lm	21376 lm	40700 cd	945 W



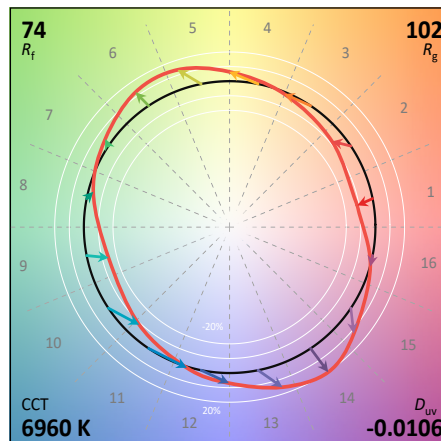
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	1628/151.2	407/37.8	180.9/16.8	101.8/9.5	45.2/4.2	25.4/2.4	16.3/1.5	21376
Auto Fan Mode	1448/134.5	362/33.6	160.9/14.9	90.5/8.4	40.2/3.7	22.6/2.1	14.5/1.3	19013
High Fan Mode	1541/143.2	385.3/35.8	171.2/15.9	96.3/8.9	42.8/4	24.1/2.2	15.4/1.4	20234
Quiet Fan Mode	927/86.1	231.8/21.5	103/9.6	57.9/5.4	25.8/2.4	14.5/1.3	9.3/0.9	12172

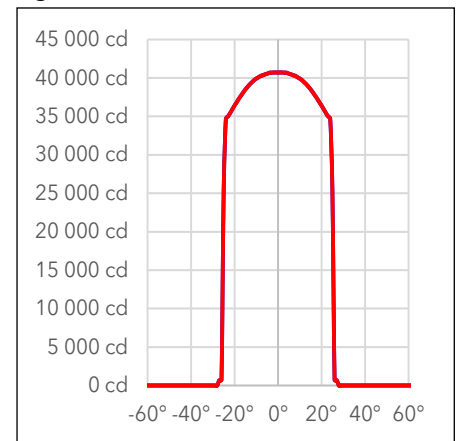
Spectrum



TM-30



Light distribution



Color temperature	CCT	6960
Color Deviation from Black	Duv	-0.0106
Color Coordinate CIE 1931	x	0.3101
	y	0.3008
Color Coordinate	u	0.2071
	v	0.3014

Color rendering index	CRI	80
Red component	CRI R9	22
Color fidelity	TM30 Rf	74
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	58

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

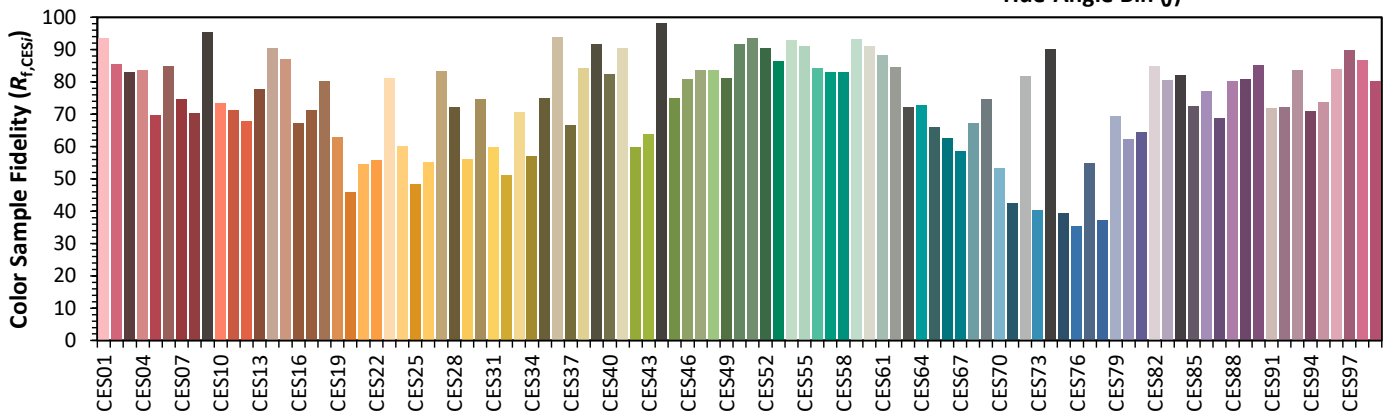
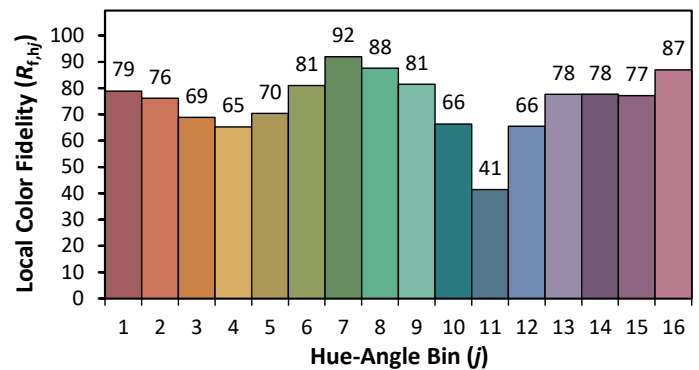
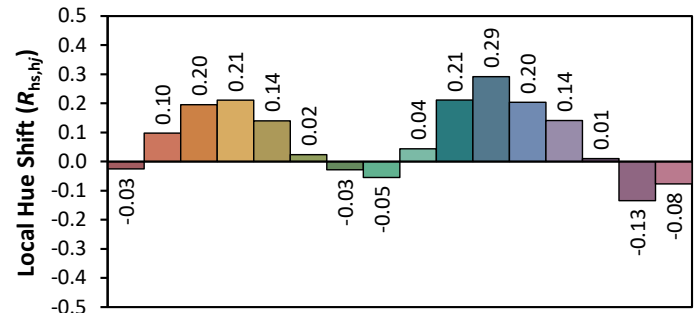
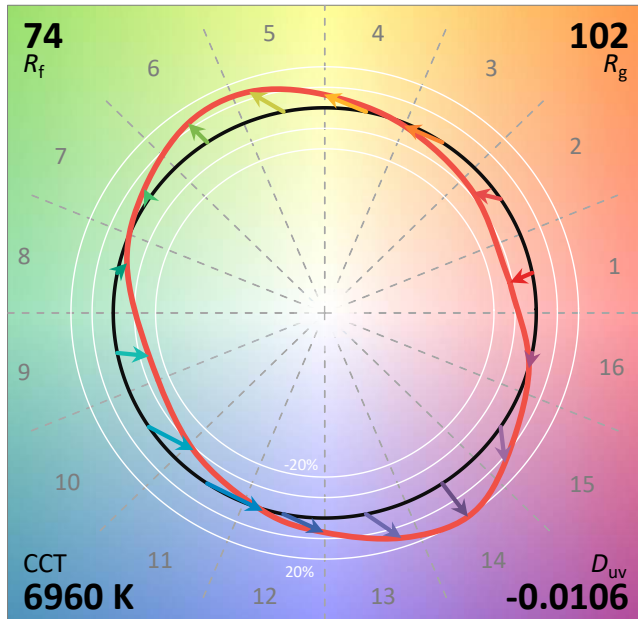
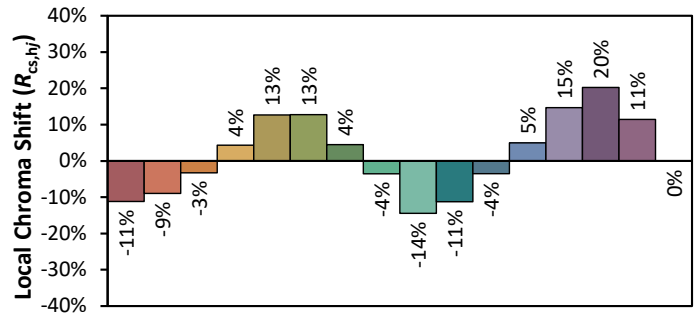
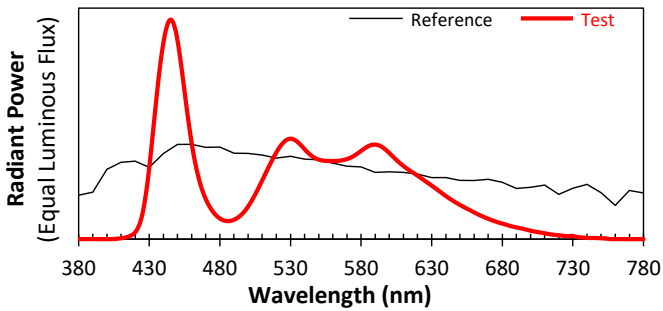
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3101
y 0.3008
 u' 0.2071
 v' 0.4520

CIE 13.3-1995
(CRI)

R_a 80

R_g 22

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

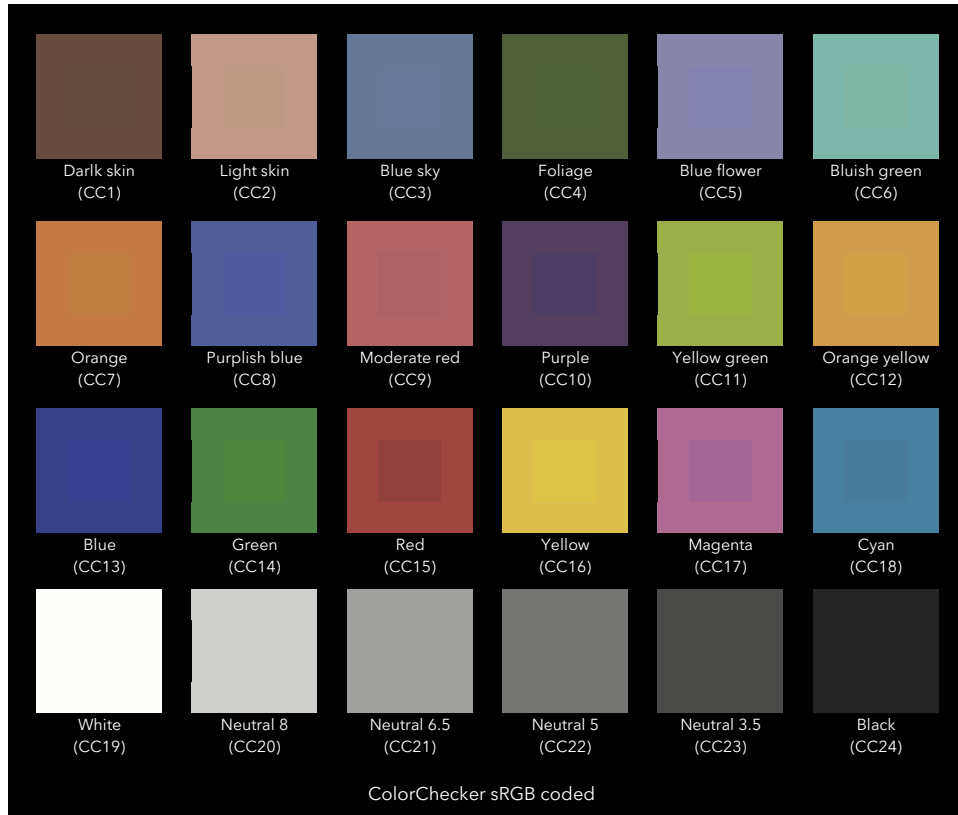
Photometric report

Field angle 50° - Max. zoom - CRI 80

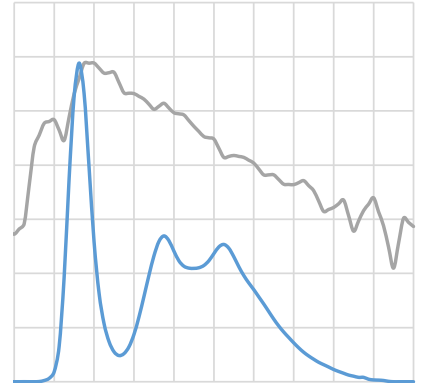
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6960 (-2)

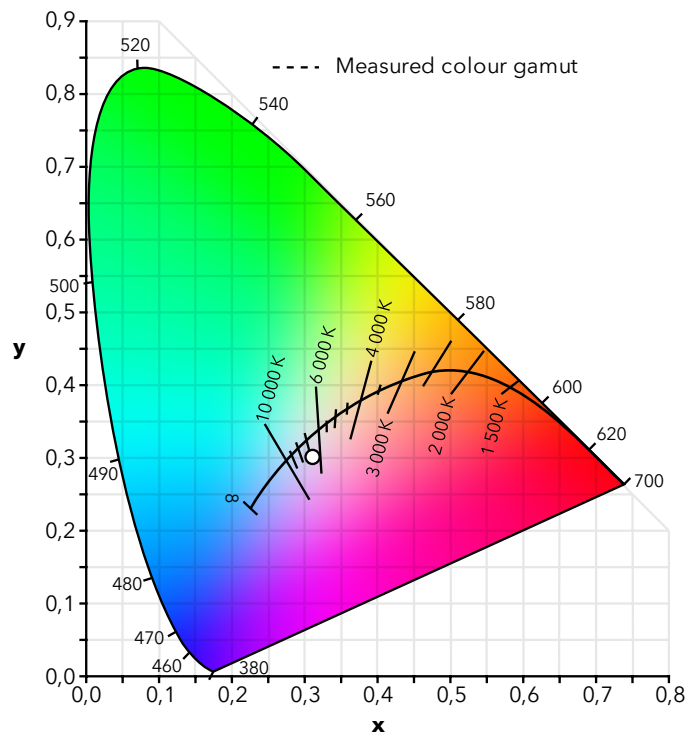
TLCI-2012: 58 (D6960)



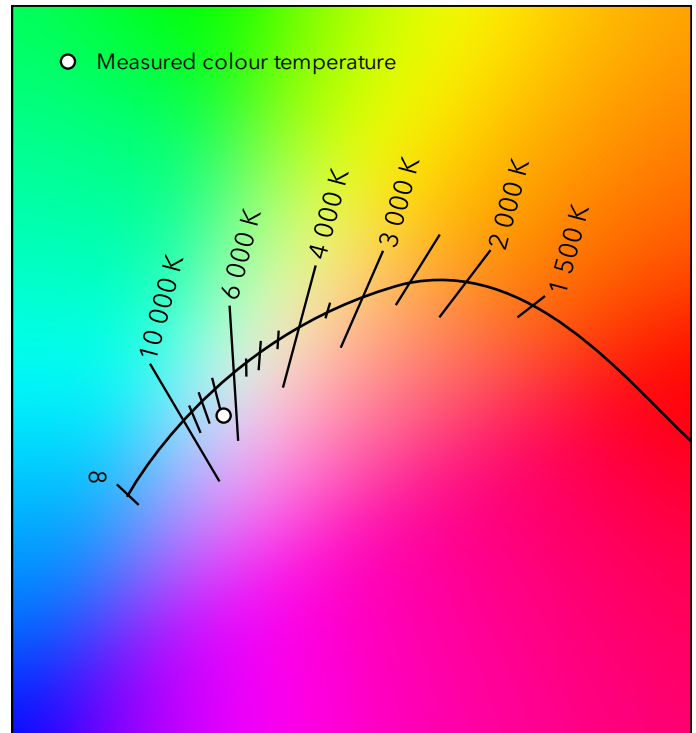
Sector	Lightness	Chroma	Hue
R	+++	++	+
R/Y	0	0	----
Y	-	-	----
Y/G	-	---	0
G	--	--	++
G/C	+	0	+++++
C	++	0	+
C/B	+++	0	-
B	0	---	--
B/M	+	---	+++++
M	++	--	+++++
M/R	++++	-	+++++



CIE 1931 color space gamut



Colour temperature



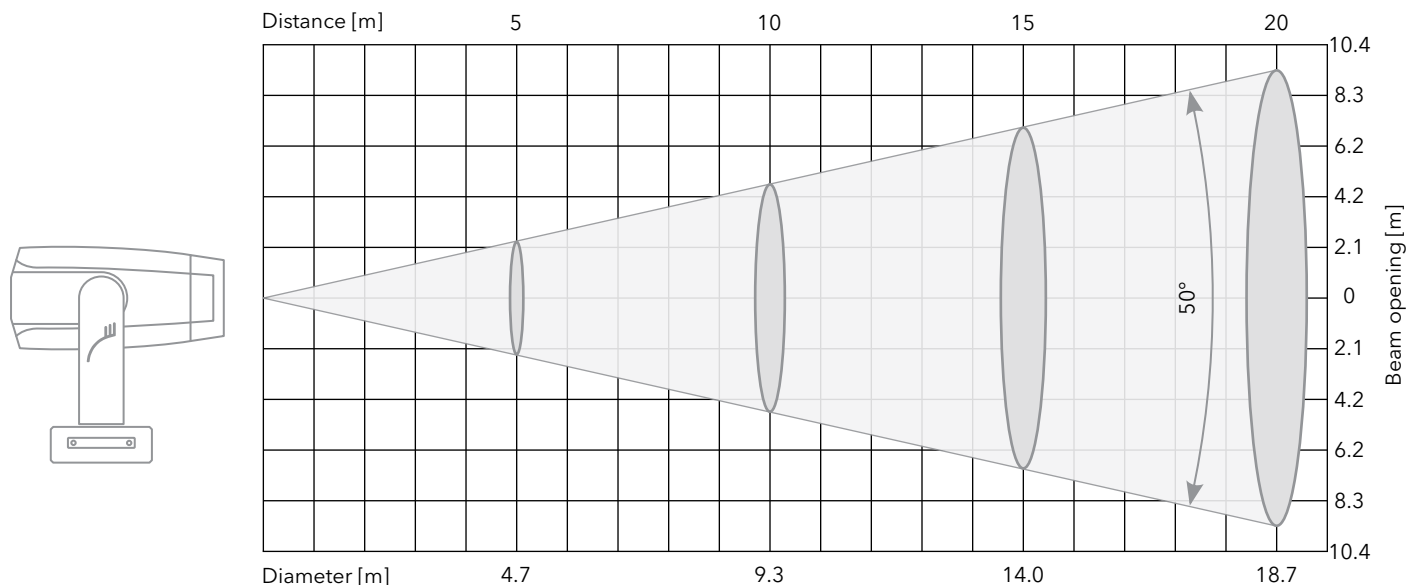
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 90

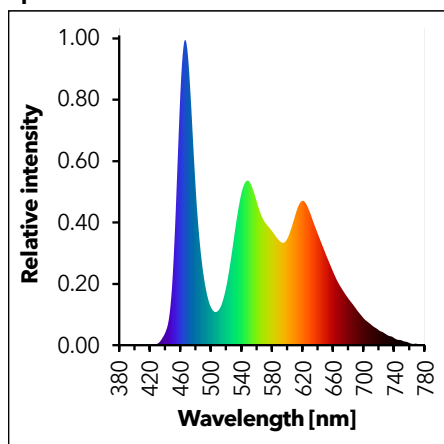
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	23249 lm	18599 lm	35425 cd	945 W



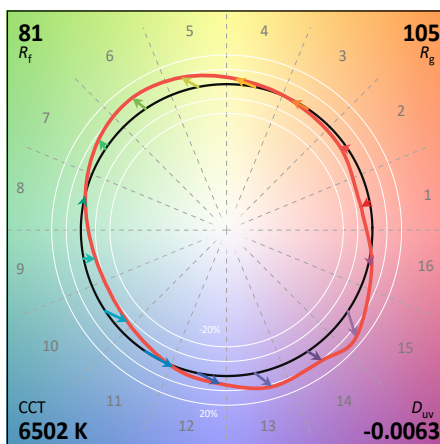
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	1417/131.6	354.3/32.9	157.4/14.6	88.6/8.2	39.4/3.7	22.1/2.1	14.2/1.3	18599
Auto Fan Mode	1260/117.1	315/29.3	140/13	78.8/7.3	35/3.3	19.7/1.8	12.6/1.2	16538
High Fan Mode	1341/124.6	335.3/31.1	149/13.8	83.8/7.8	37.3/3.5	21/1.9	13.4/1.2	17601
Quiet Fan Mode	806/74.9	201.5/18.7	89.6/8.3	50.4/4.7	22.4/2.1	12.6/1.2	8.1/0.7	10579

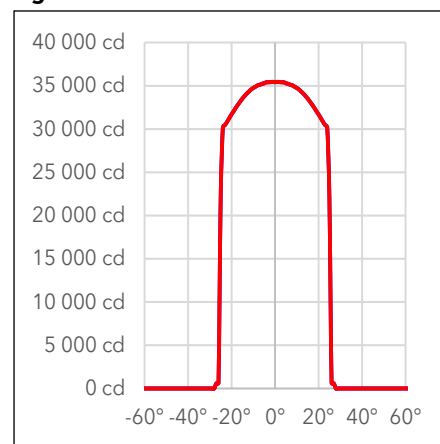
Spectrum



TM-30



Light distribution



Color temperature	CCT	6502
Color Deviation from Black	Duv	-0.0064
Color Coordinate CIE 1931	x	0.3149
	y	0.3132
Color Coordinate	u	0.2056
	v	0.3066

Color rendering index	CRI	86
Red component	CRI R9	51
Color fidelity	TM30 Rf	81
Color gamut	TM30 Rg	105
Television consistency Index	TLCI	74

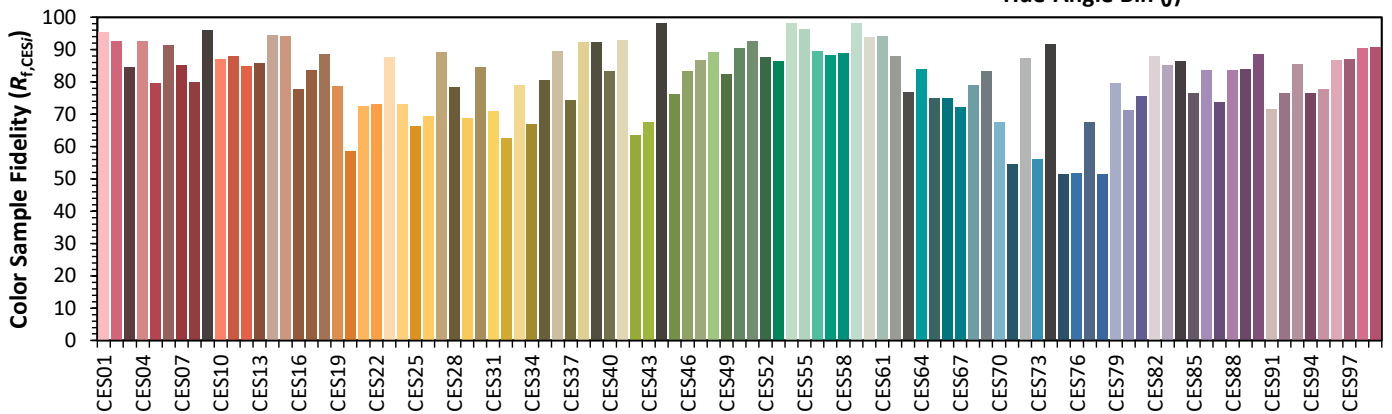
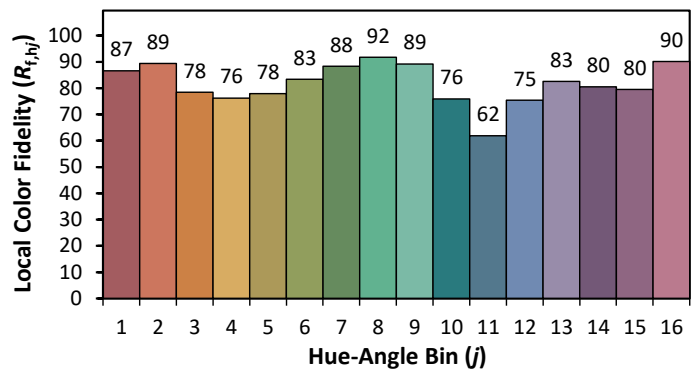
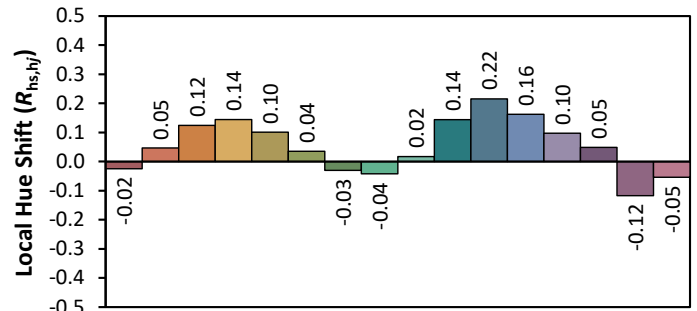
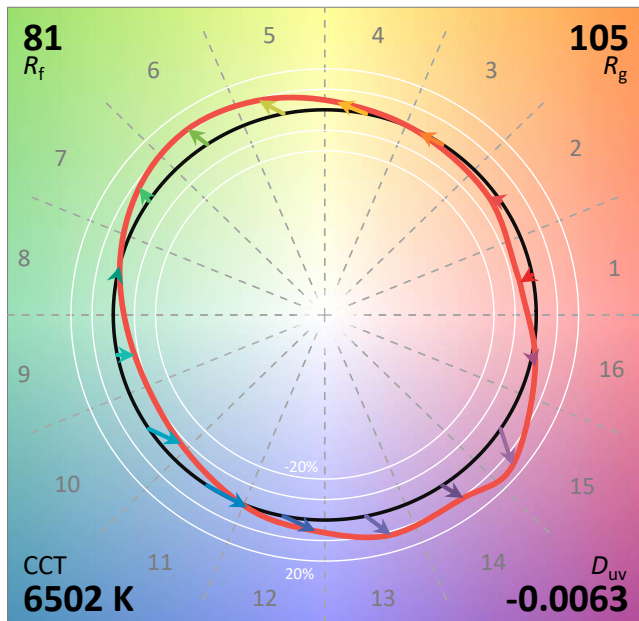
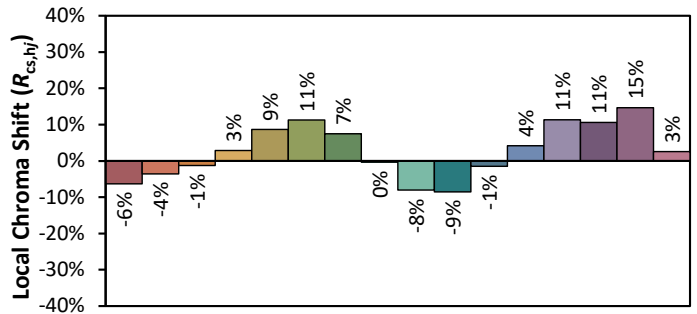
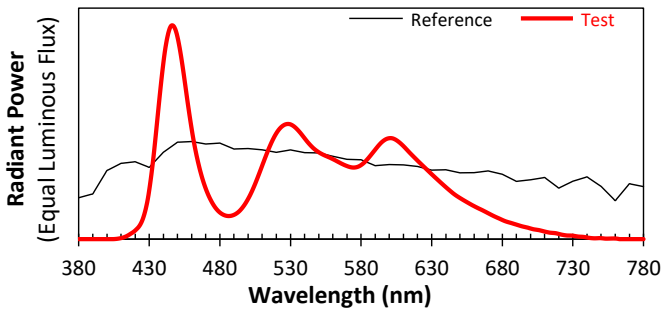
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3150
y 0.3132
 u' 0.2056
 v' 0.4600

CIE 13.3-1995
(CRI)

R_a 86

R_g 51

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

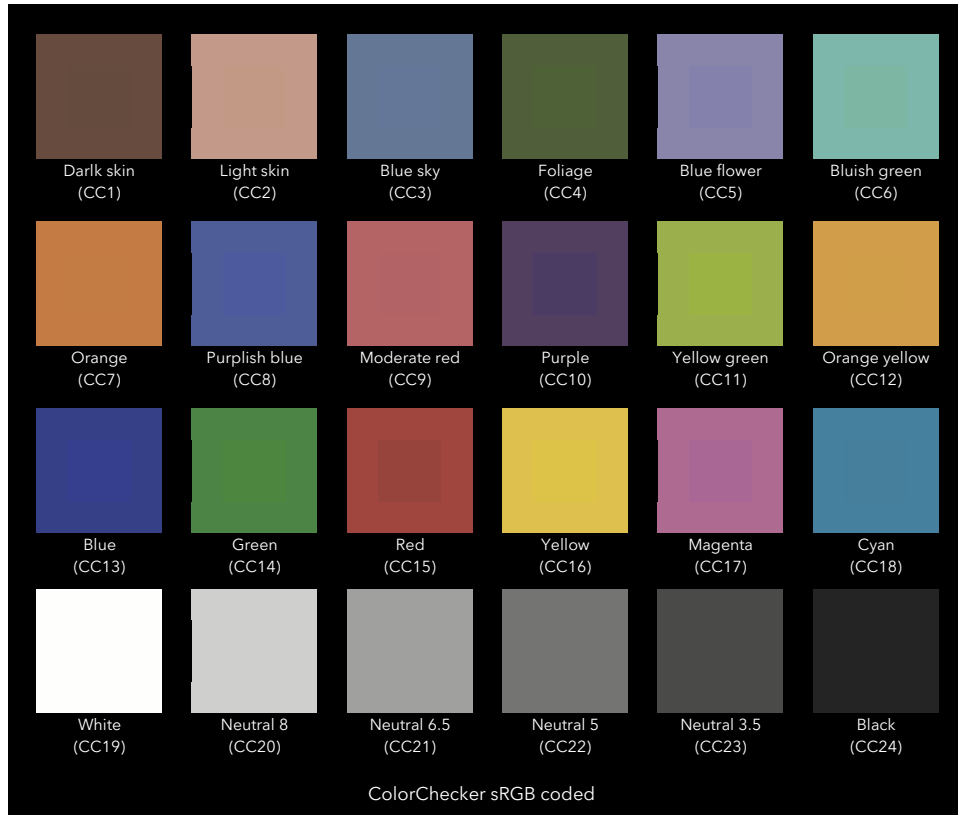
Photometric report

Field angle 50° - Max. zoom - CRI 90

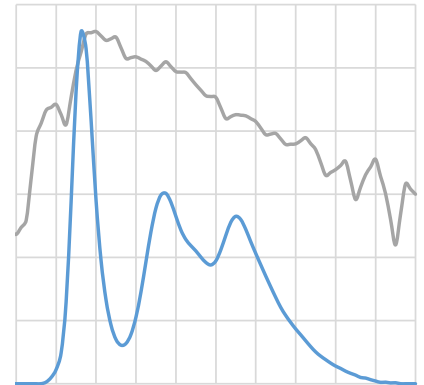
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6502 (-1.2)

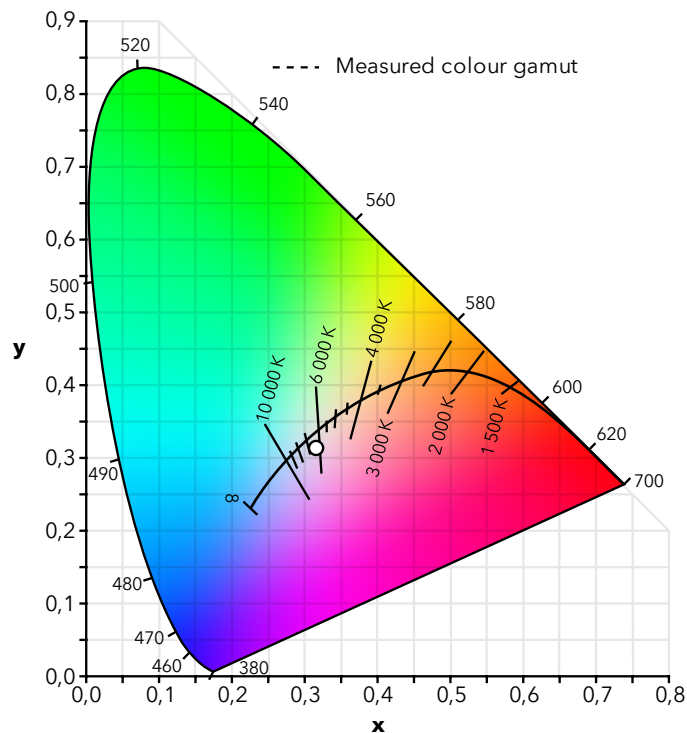
TLCI-2012: 74 (D6502)



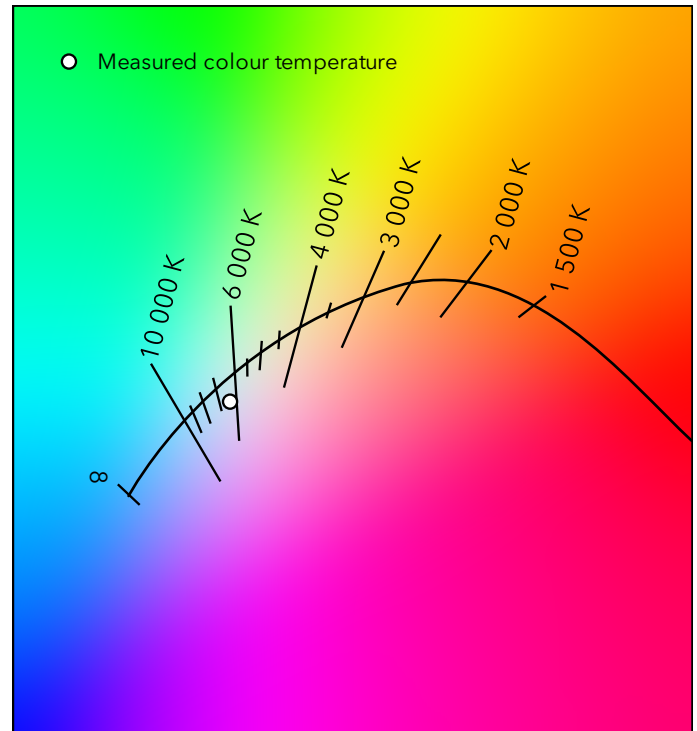
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	--
Y/G	-	--	0
G	-	--	+
G/C	0	-	++++
C	+	0	++
C/B	+	0	0
B	0	--	--
B/M	+	--	++++
M	++	-	++++
M/R	++	0	++++



CIE 1931 color space gamut



Colour temperature



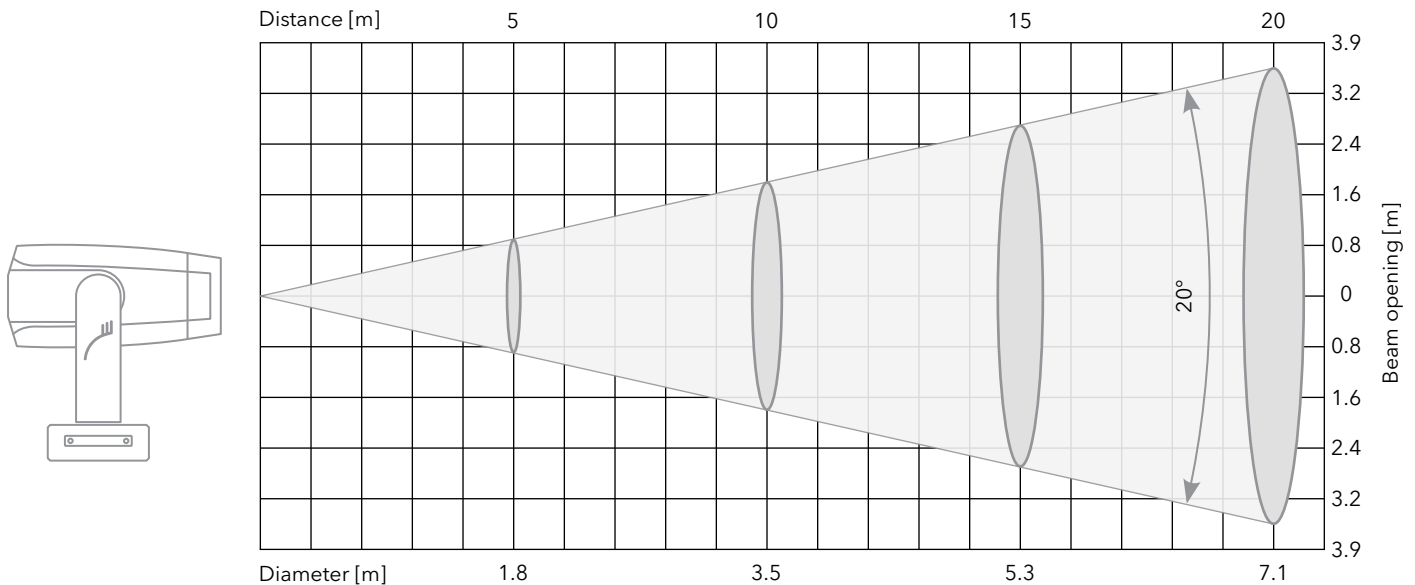
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 70

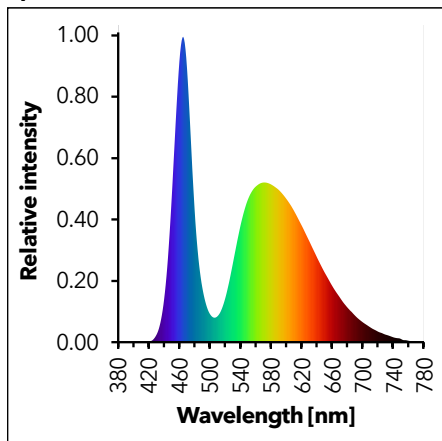
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
20°	29299 lm	23439 lm	275225 cd	945 W



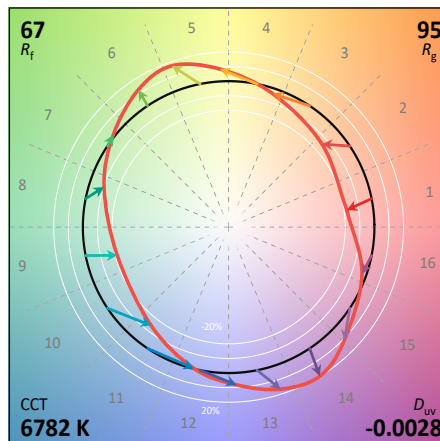
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	11009/1023	2752/256	1223/114	688/64	306/28	172/16	110/10	23439
Auto Fan Mode	9830/913	2458/228	1092/101	614/57	273/25	154/14	98/9	20929
High Fan Mode	10449/971	2612/243	1161/108	653/61	290/27	163/15	104/10	22247
Quiet Fan Mode	6299/585	1575/146	700/65	394/37	175/16	98/9	63/6	13411

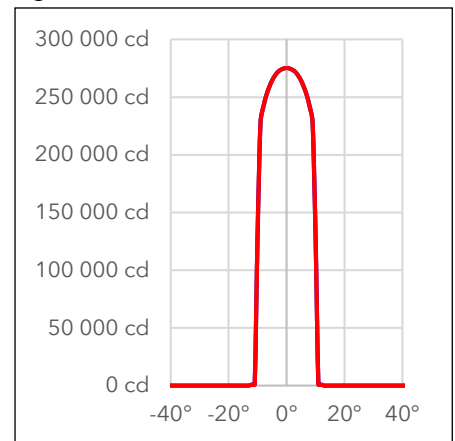
Spectrum



TM-30



Light distribution



Color temperature	CCT	6782
Color Deviation from Black	Duv	-0.0028
Color Coordinate CIE 1931	x	0.3101
	y	0.3151
Color Coordinate	u	0.2014
	v	0.3069

Color rendering index	CRI	69
Red component	CRI R9	-27
Color fidelity	TM30 Rf	67
Color gamut	TM30 Rg	95
Television consistency Index	TLCI	41

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

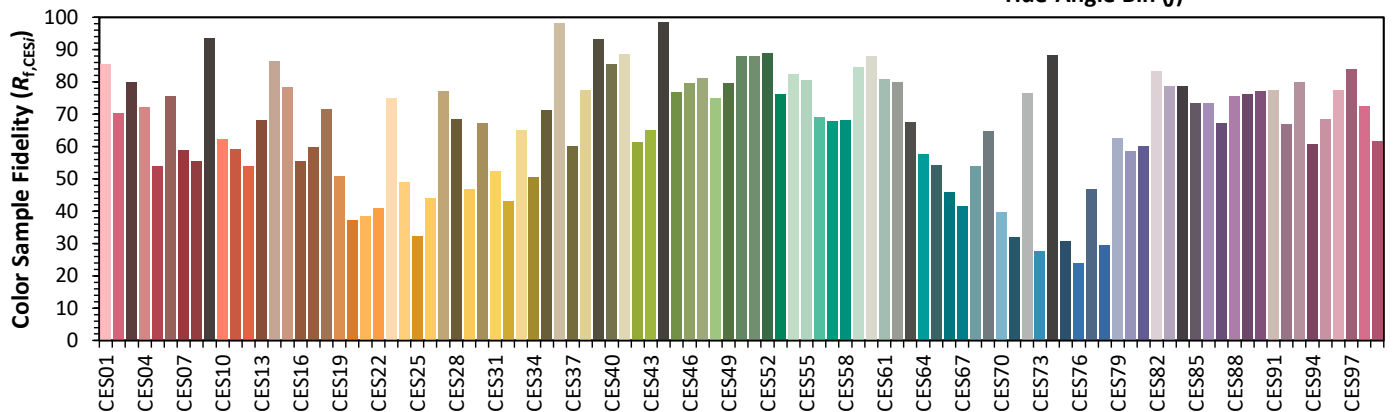
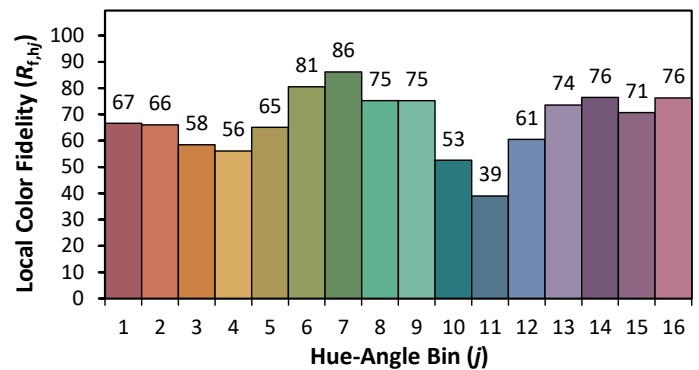
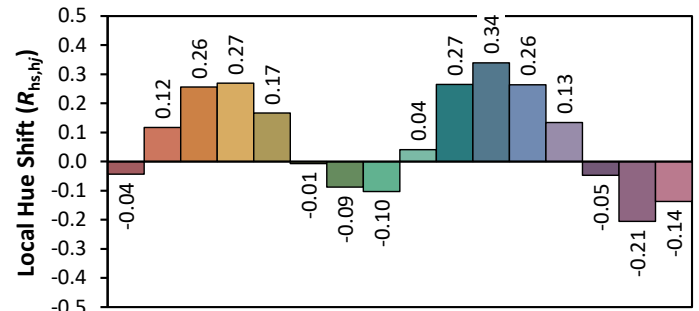
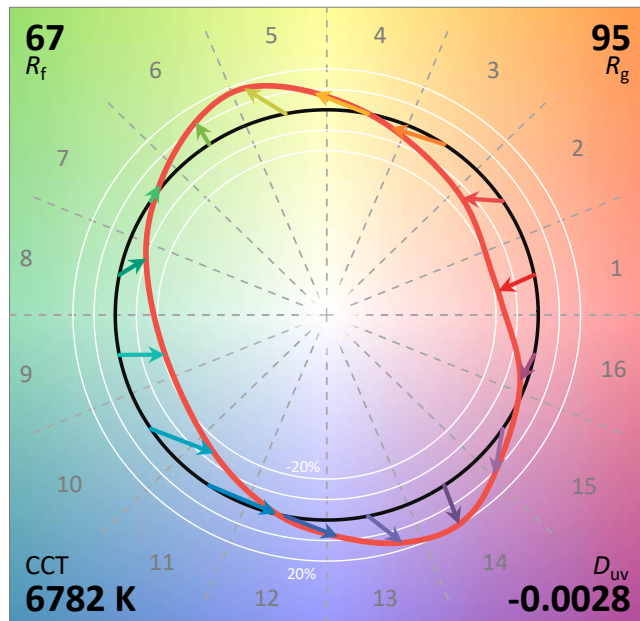
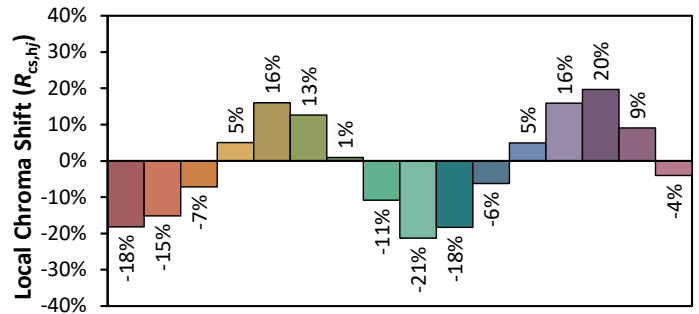
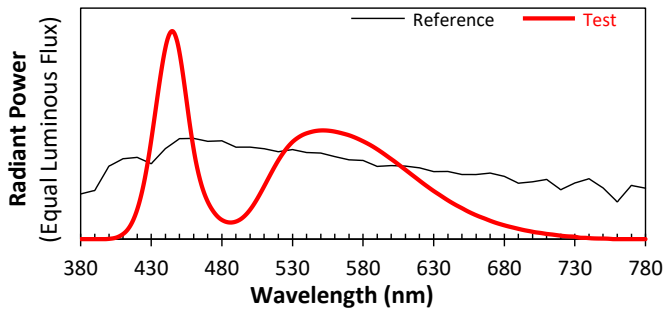
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3101

y 0.3151

u' 0.2014

v' 0.4603

CIE 13.3-1995

(CRI)

R_a 69

R_g -27

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

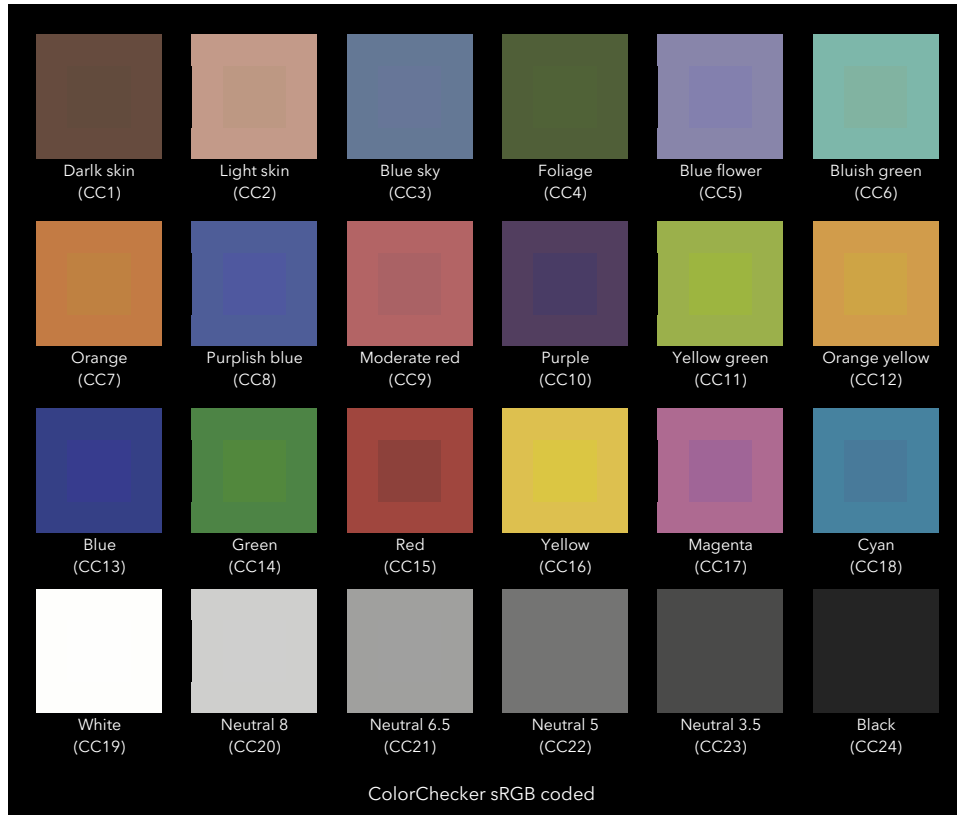
Photometric report

Field angle 20° - Mid. zoom - CRI 70

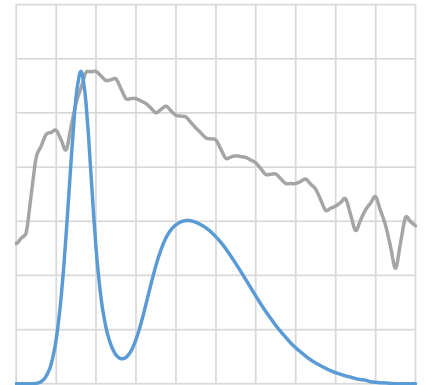
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6782 (-0.5)

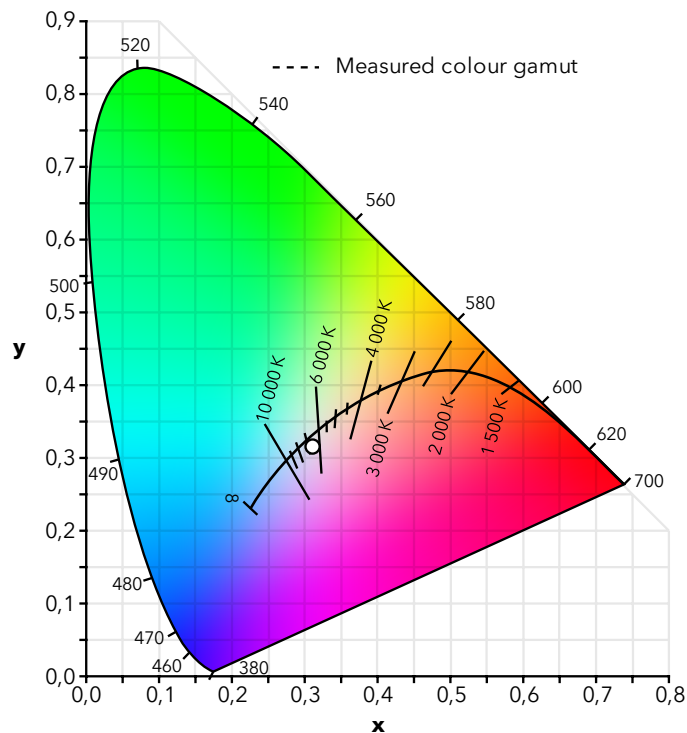
TLCI-2012: 41 (D6782)



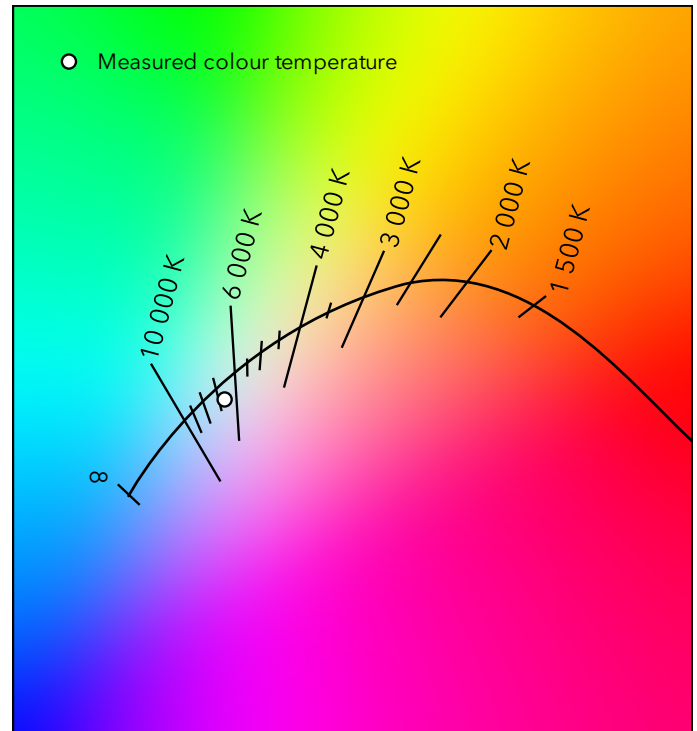
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	----
Y	--	--	-----
Y/G	-	---	0
G	--	--	+++
G/C	+	0	+++++
C	+++	0	0
C/B	++++	0	----
B	0	---	-----
B/M	++	----	+++
M	+++++	-	+++++++
M/R	+++++	-	+++++++



CIE 1931 color space gamut



Colour temperature



Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

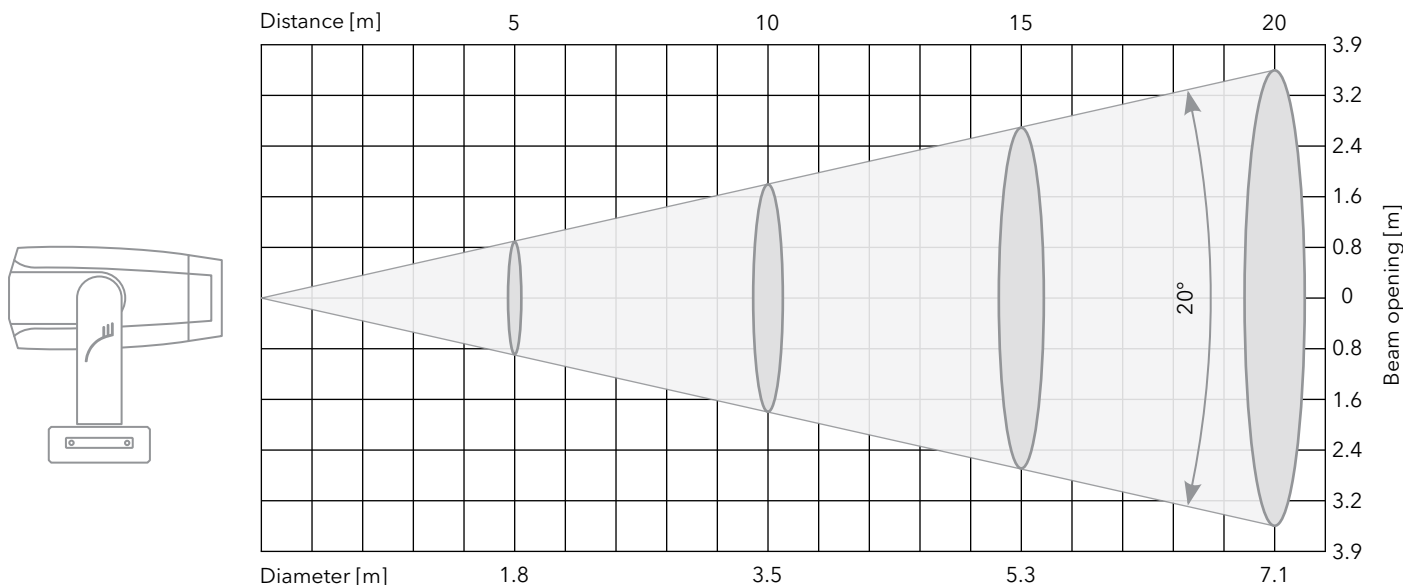
ROBE

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 80

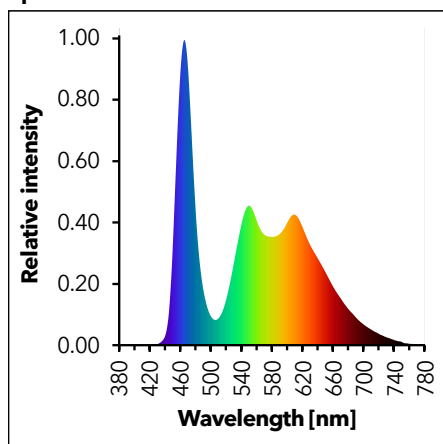
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
20°	23108 lm	18486 lm	217075 cd	945 W



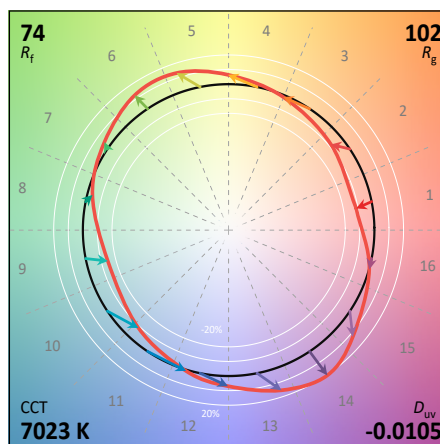
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	8683/807	2171/202	965/90	543/50	241/22	136/13	87/8	18486
Auto Fan Mode	7753/720	1938/180	861/80	485/45	215/20	121/11	78/7	16506
High Fan Mode	8241/766	2060/191	916/85	515/48	229/21	129/12	82/8	17545
Quiet Fan Mode	4968/462	1242/115	552/51	311/29	138/13	78/7	50/4.6	10577

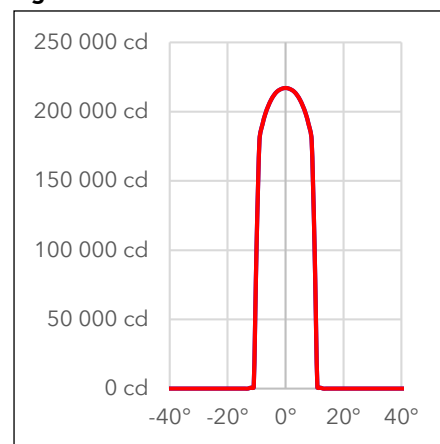
Spectrum



TM-30



Light distribution



Color temperature	CCT	7023
Color Deviation from Black	Duv	-0.0105
Color Coordinate CIE 1931	x	0.3094
	y	0.3003
Color Coordinate	u	0.2068
	v	0.3011

Color rendering index	CRI	80
Red component	CRI R9	22
Color fidelity	TM30 Rf	74
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	58

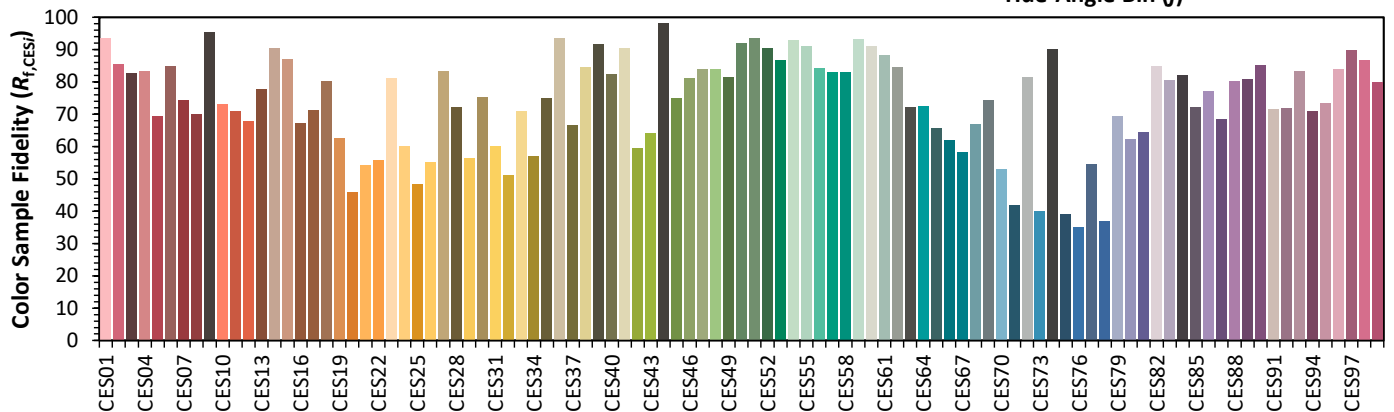
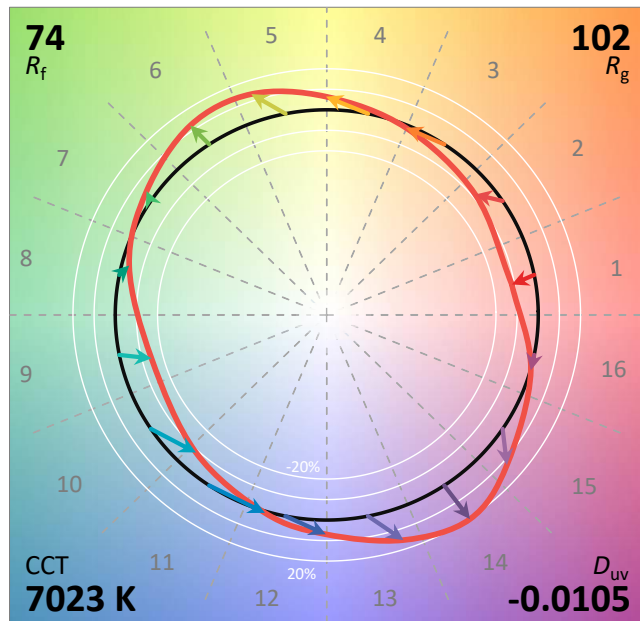
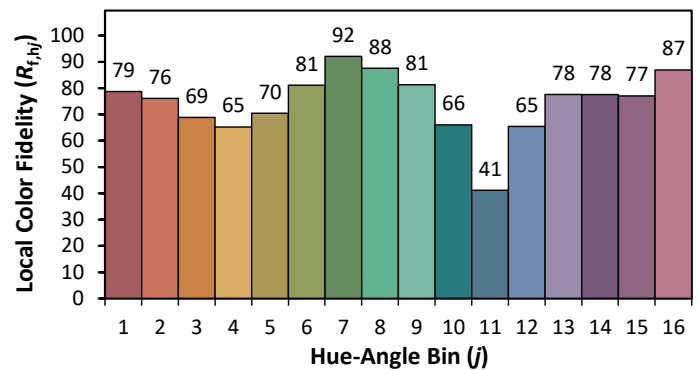
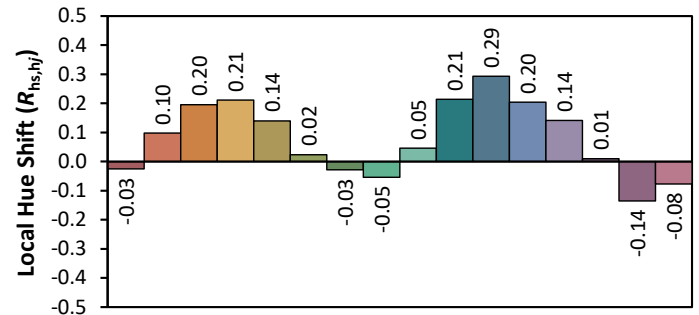
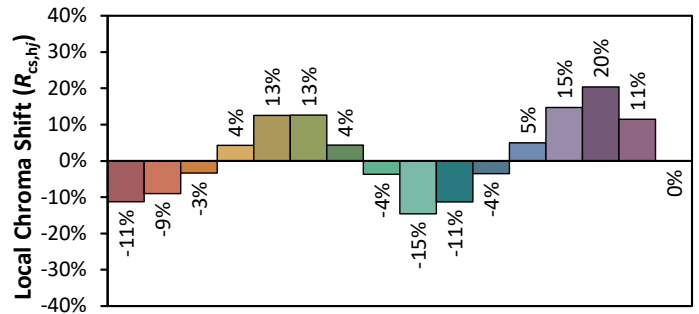
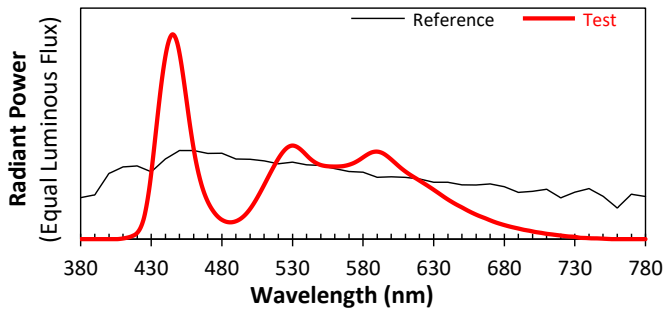
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3094

y 0.3003

u' 0.2068

v' 0.4516

CIE 13.3-1995
(CRI)

R_a 80

R_g 22

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

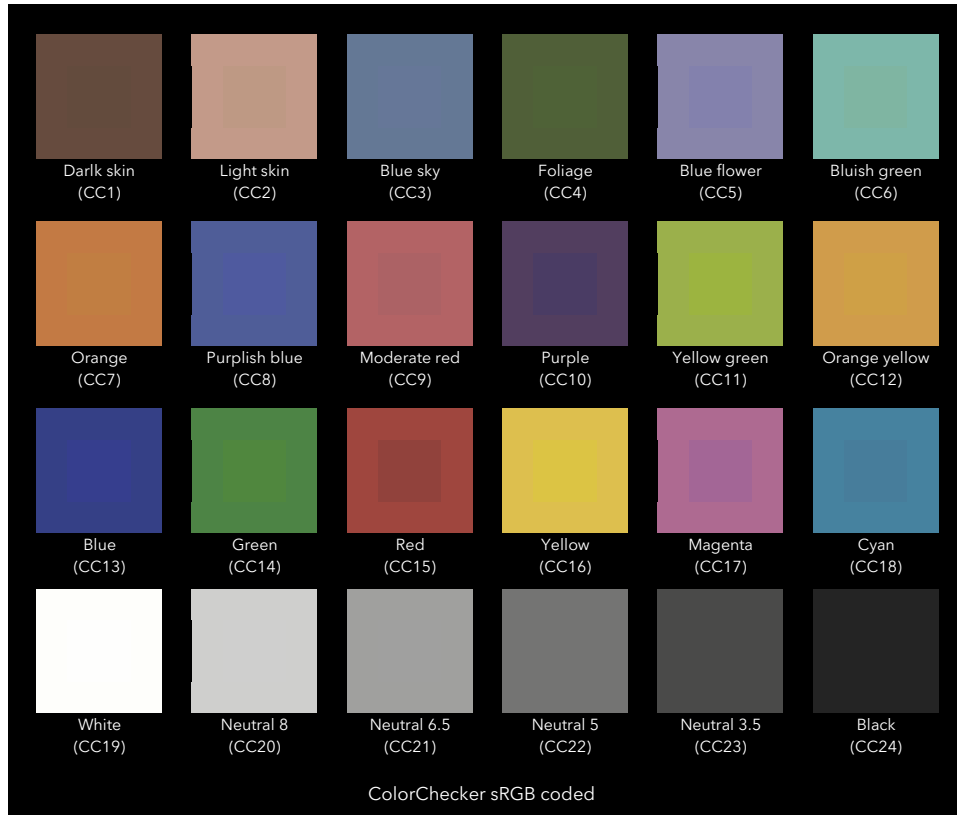
Photometric report

Field angle 20° - Mid. zoom - CRI 80

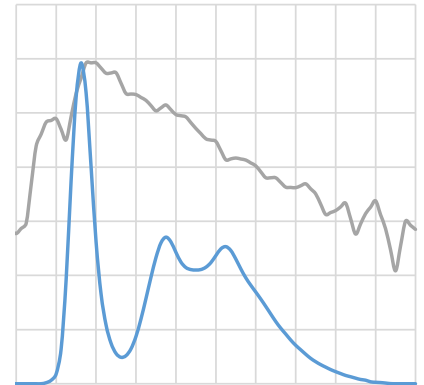
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D7023 (-1.9)

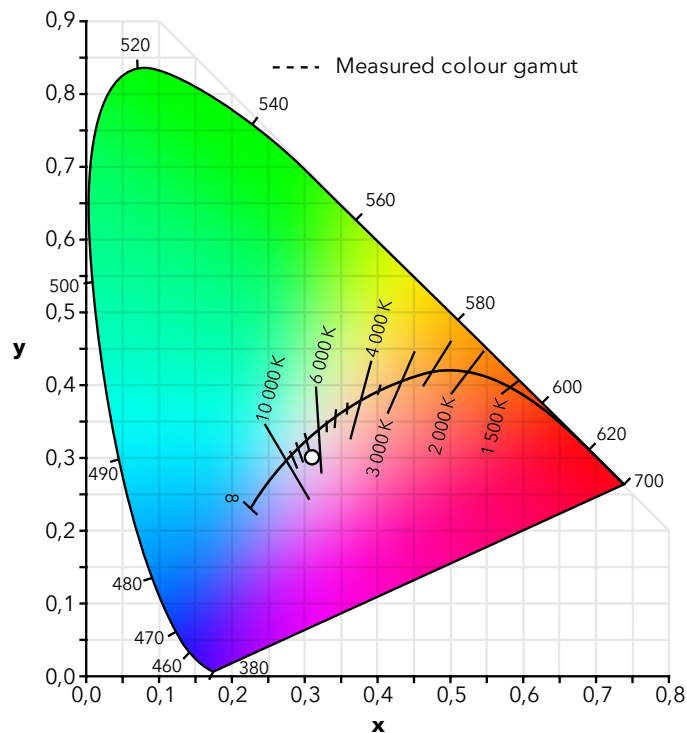
TLCI-2012: 58 (D7023)



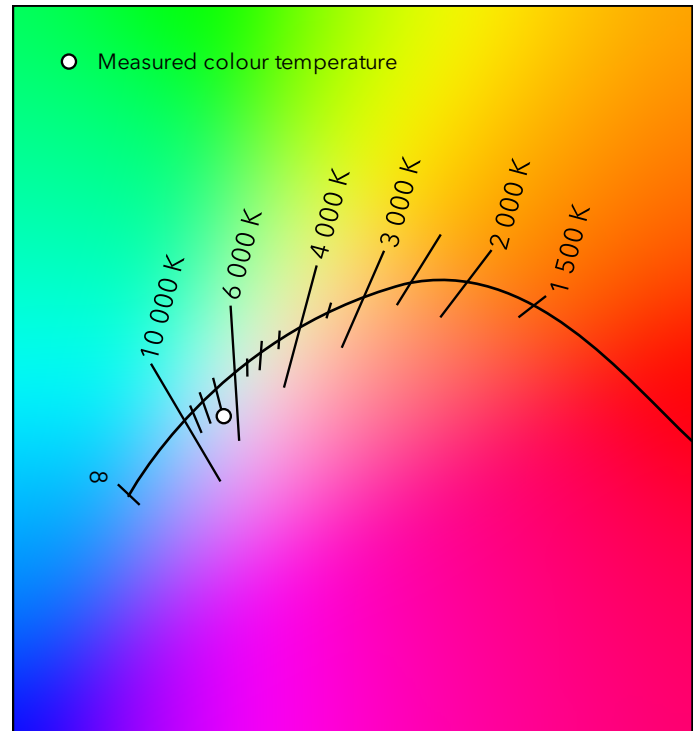
Sector	Lightness	Chroma	Hue
R	+++	++	+
R/Y	0	0	----
Y	-	-	----
Y/G	-	---	0
G	--	--	++
G/C	+	0	+++++
C	++	0	+
C/B	+++	0	--
B	0	---	--
B/M	+	---	+++++
M	++	--	+++++
M/R	++++	-	+++++



CIE 1931 color space gamut



Colour temperature



Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

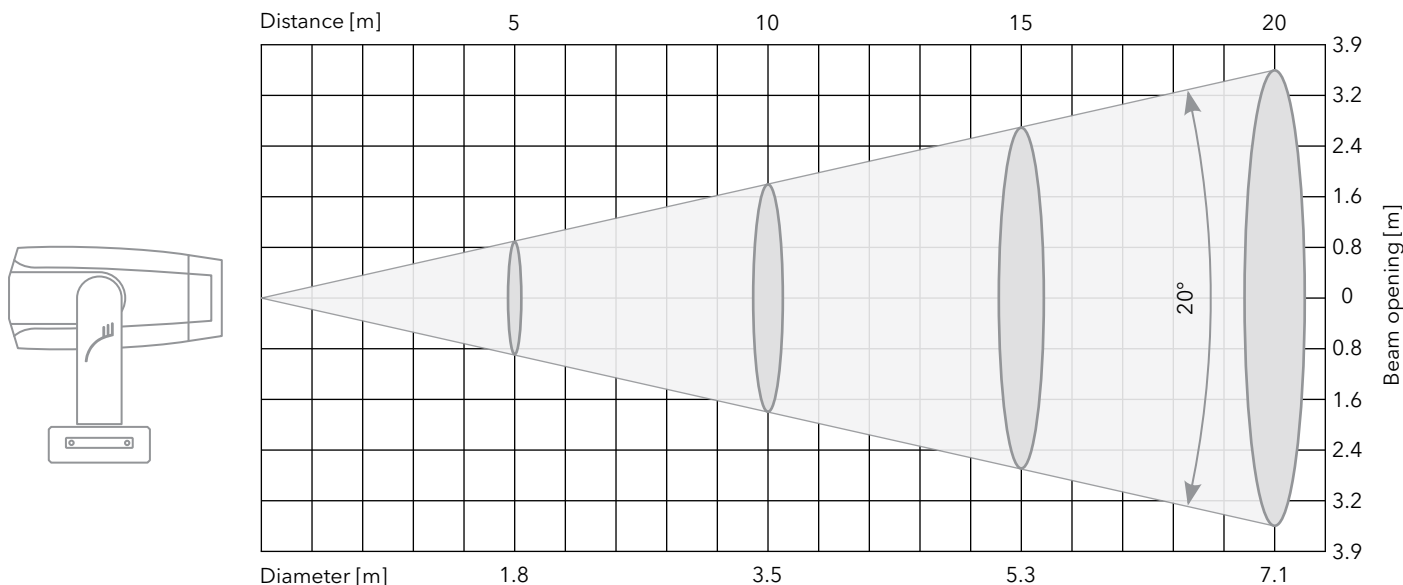
ROBE

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 90

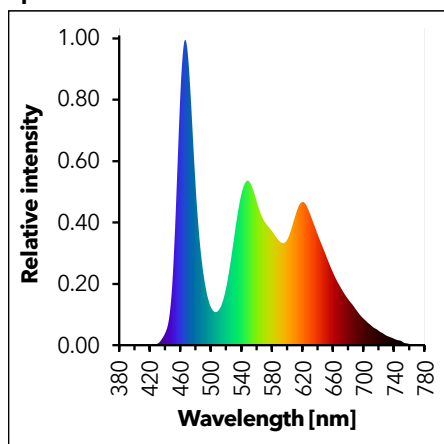
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
20°	19776 lm	15821 lm	185775 cd	945 W



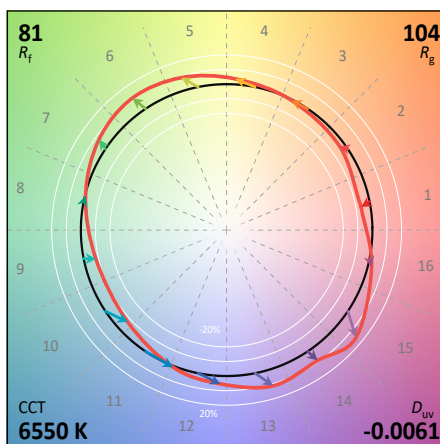
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	7431/690.4	1857.8/172.6	825.7/76.7	464.4/43.1	206.4/19.2	116.1/10.8	74.3/6.9	15821
Auto Fan Mode	6635/616.4	1658.8/154.1	737.2/68.5	414.7/38.5	184.3/17.1	103.7/9.6	66.4/6.2	14126
High Fan Mode	7053/655.2	1763.3/163.8	783.7/72.8	440.8/41	195.9/18.2	110.2/10.2	70.5/6.6	15016
Quiet Fan Mode	4252/395	1063/98.8	472.4/43.9	265.8/24.7	118.1/11	66.4/6.2	42.5/4	9053

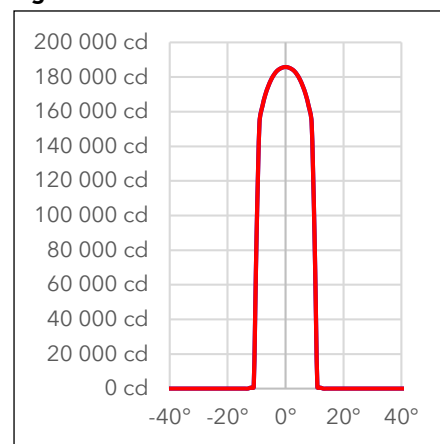
Spectrum



TM-30



Light distribution



Color temperature	CCT	6550
Color Deviation from Black	Duv	-0.0061
Color Coordinate CIE 1931	x	0.3142
	y	0.3129
Color Coordinate	u	0.2051
	v	0.3064

Color rendering index	CRI	86
Red component	CRI R9	50
Color fidelity	TM30 Rf	81
Color gamut	TM30 Rg	104
Television consistency Index	TLCI	74

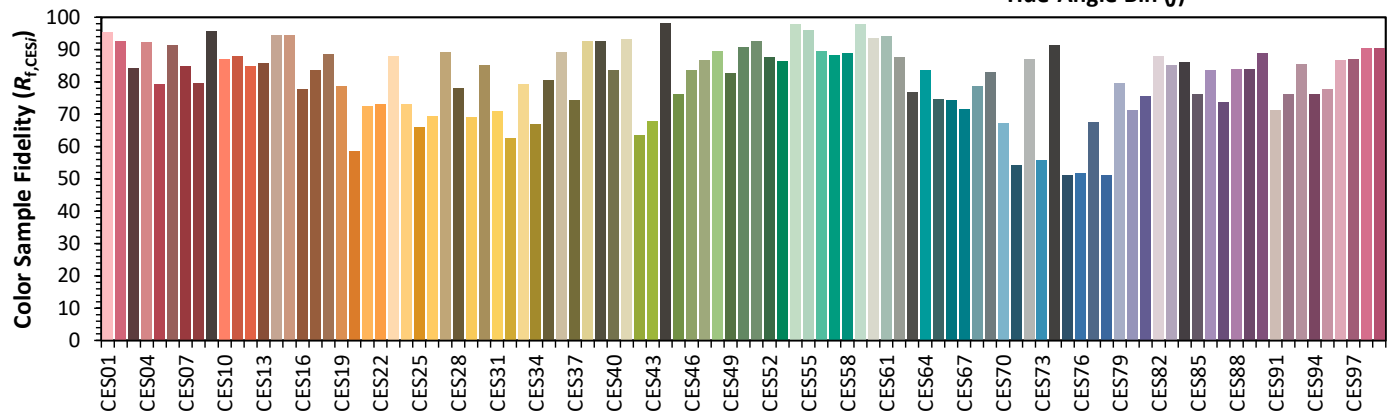
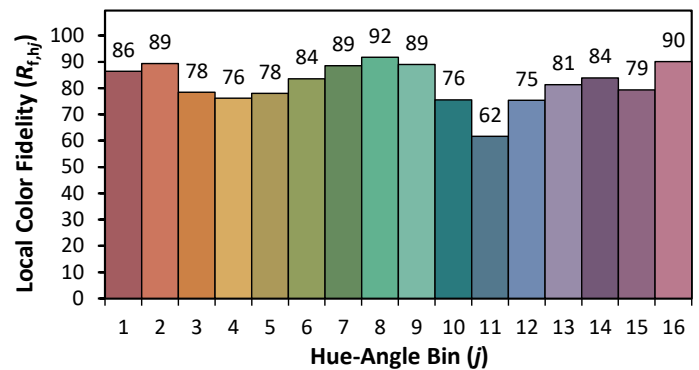
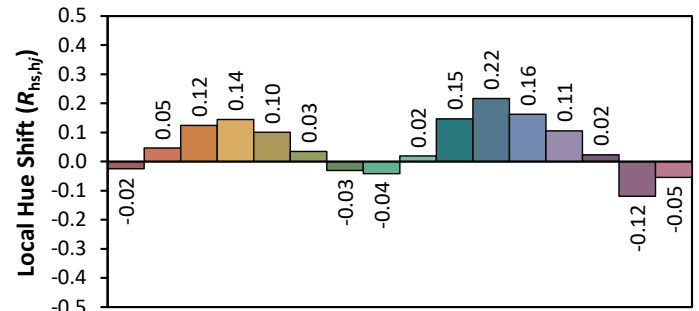
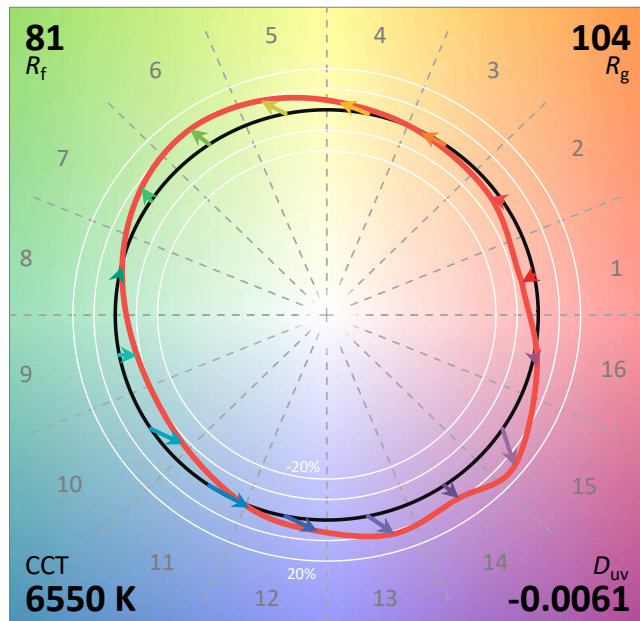
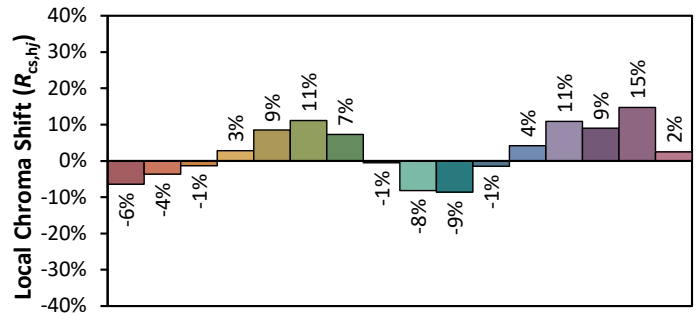
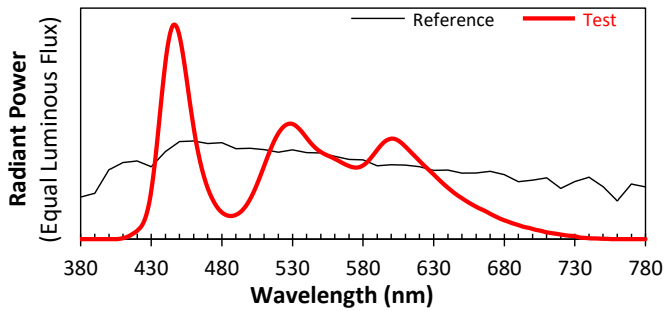
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 20° - Mid. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3142

y 0.3129

u' 0.2051

v' 0.4597

CIE 13.3-1995
(CRI)

R_a 86

R_g 50

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

ROBE

iEsprite HP

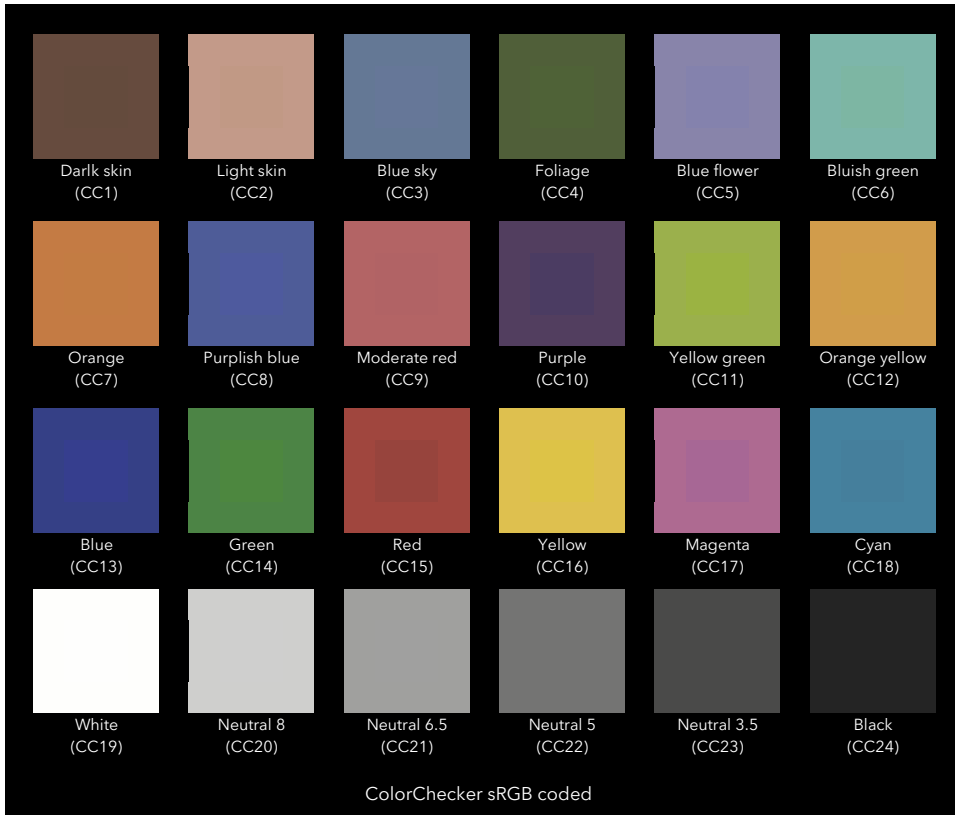
Photometric report

Field angle 20° - Mid. zoom - CRI 90

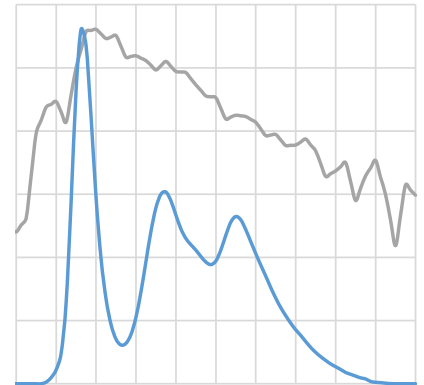
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6550 (-1.1)

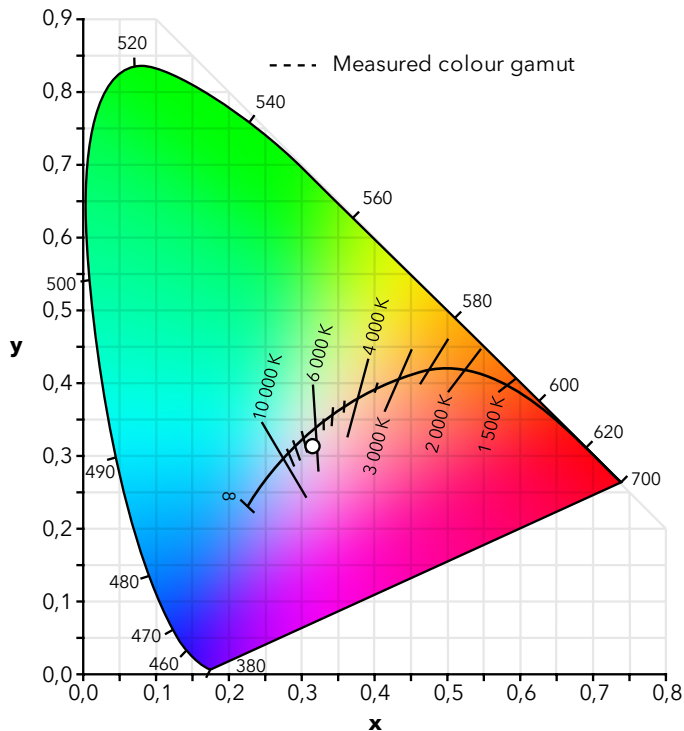
TLCI-2012: 74 (D6550)



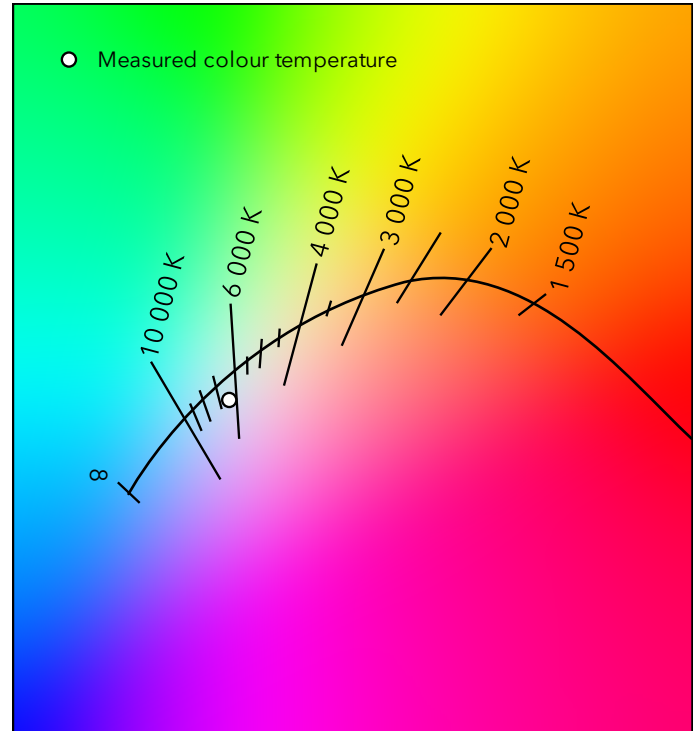
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	--
Y/G	-	--	0
G	--	--	+
G/C	0	-	++++
C	+	0	++
C/B	+	0	0
B	0	--	--
B/M	+	--	++++
M	++	-	++++
M/R	++	0	++++



CIE 1931 color space gamut



Colour temperature



Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023