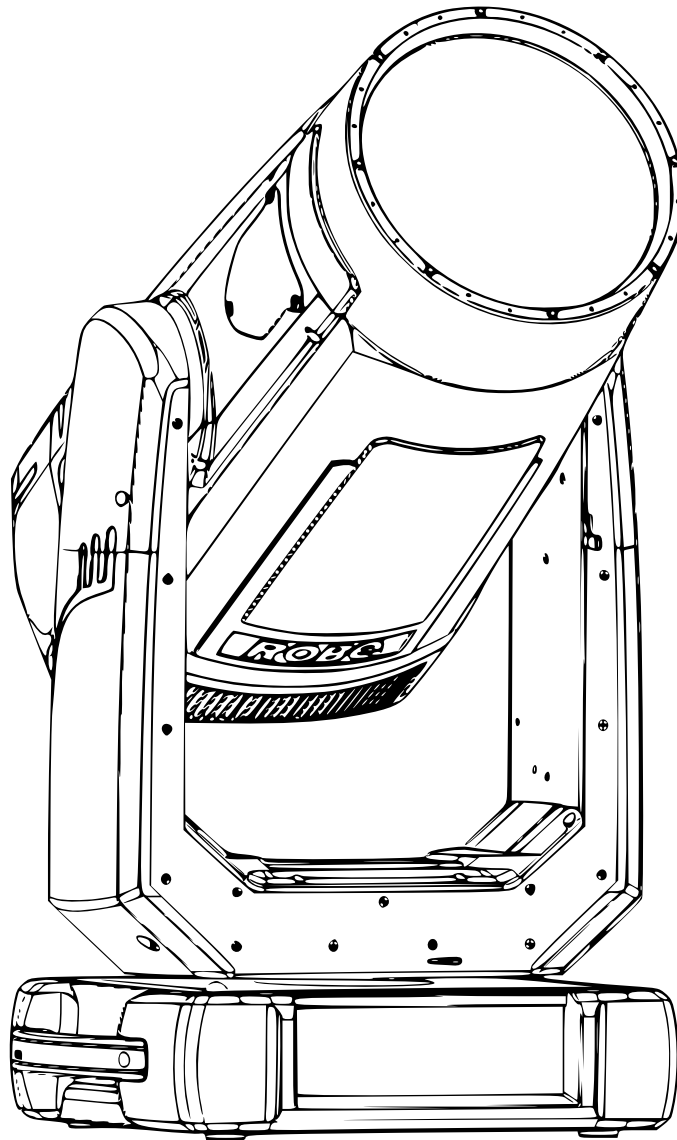


iFORT[®] LTX



ROBE[®] 

iForte LTX WB

Photometric report

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iForte LTX WB

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

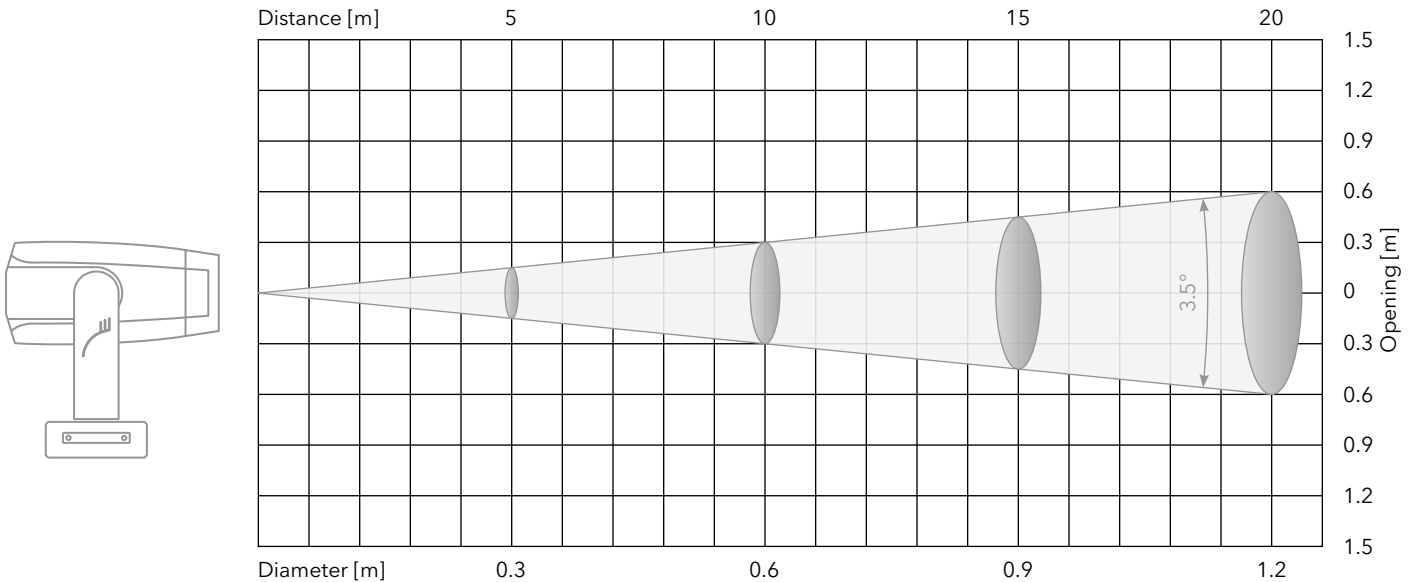
- Photometric measurement head
- UVA and UVC measurement head

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 70

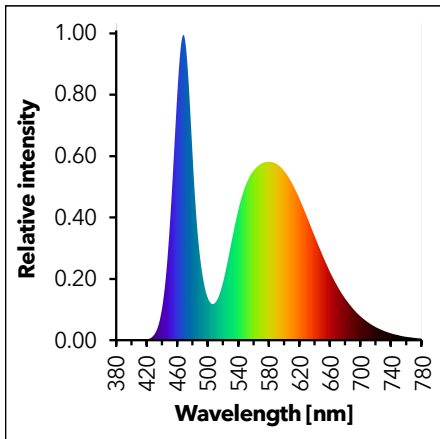
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
3.5°	23056 lm	21958 lm	8377525 cd	1085 W



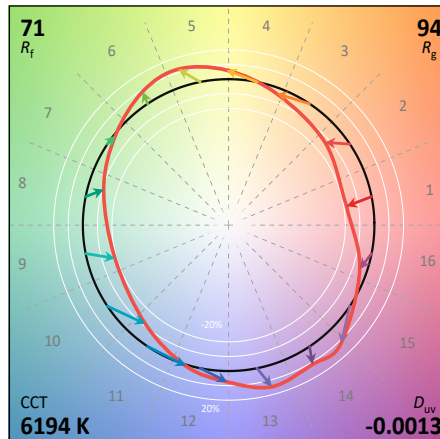
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	335101/31132	83775/7783	37233/3459	20944/1946	9308/865	5236/486	3351/311	21958
Auto Fan Mode	332649/30904	83162/7726	36961/3434	20791/1932	9240/858	5198/483	3326/309	21797
Quiet Fan Mode	213753/19858	53438/4965	23750/2206	13360/1241	5938/552	3340/310	2138/199	14006

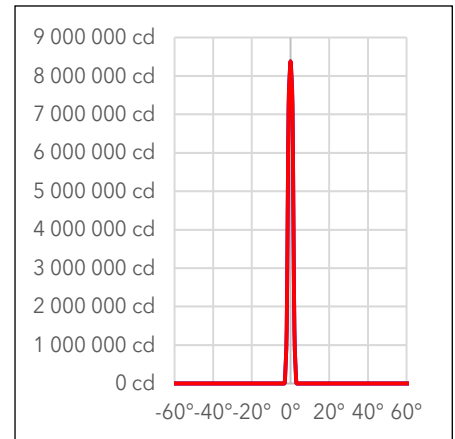
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6194 K
Color Deviation from Black	Duv	-0.0013
Color Coordinate CIE 1931	x	0.3188
	y	0.3261
Color Coordinate	u	0.2032
	v	0.3118

Color rendering index	CRI	72
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	45

*CCT measured in integrating sphere

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

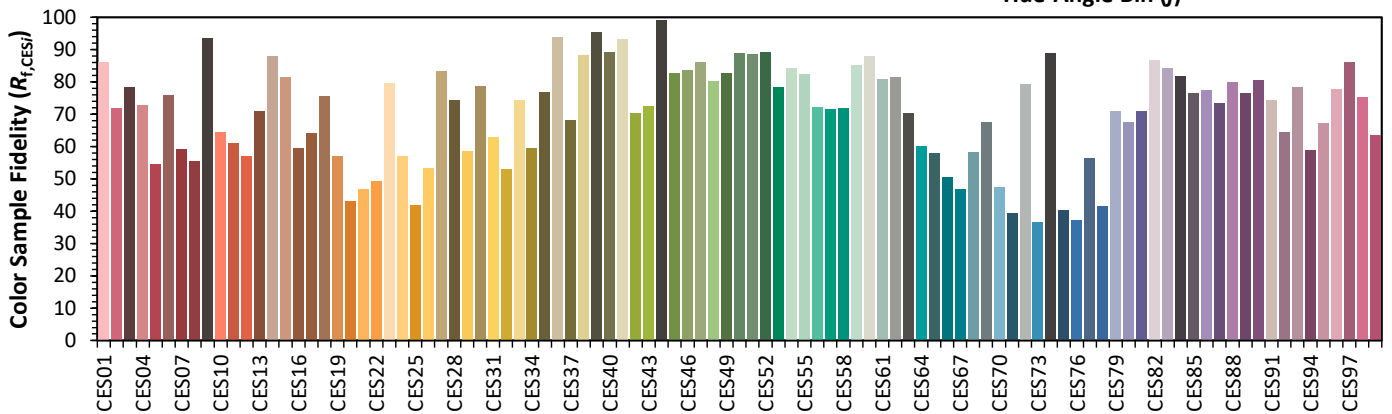
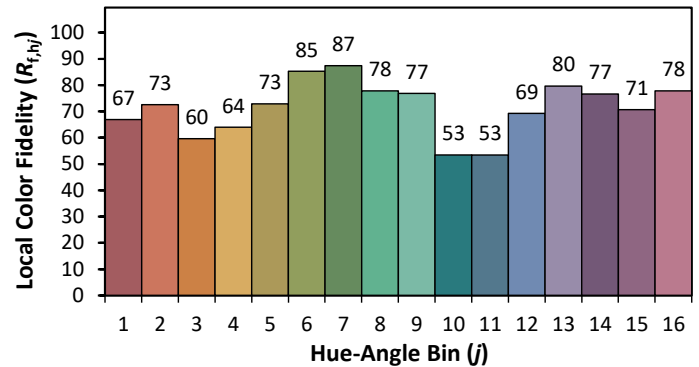
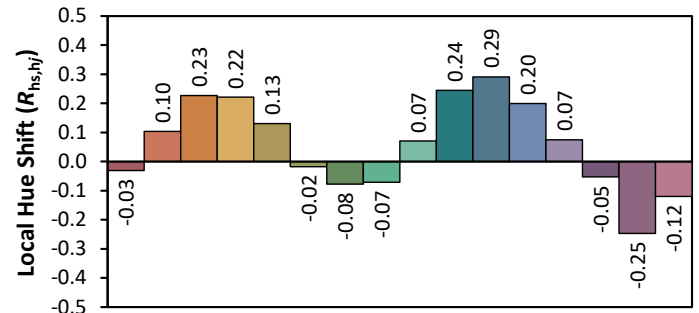
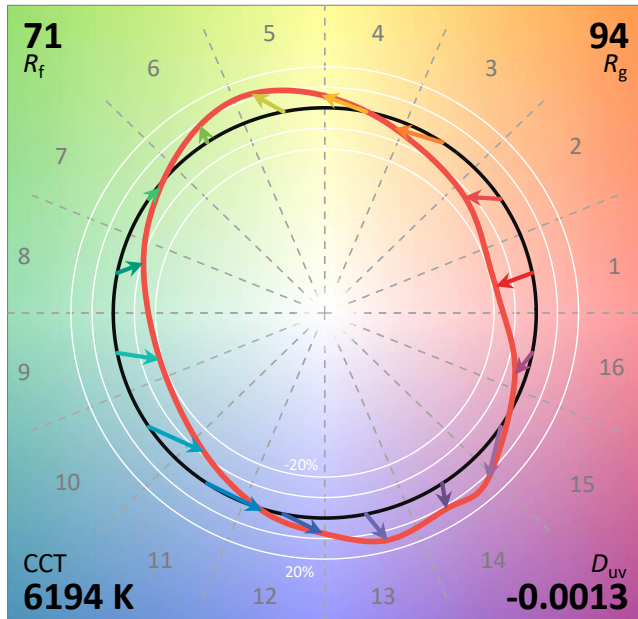
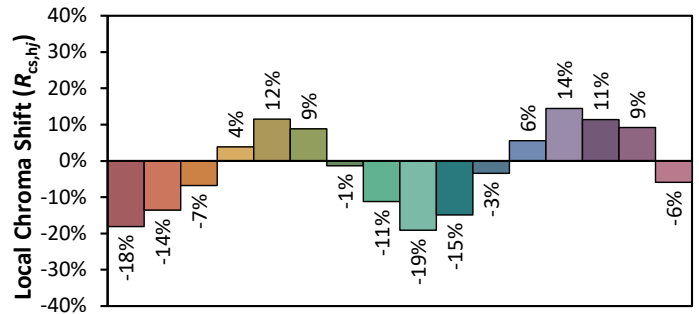
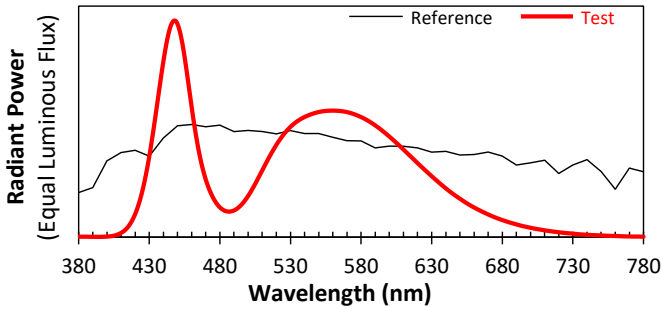
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3188

y 0.3261

u' 0.2032

v' 0.4677

CIE 13.3-1995
(CRI)

R_a 72

R_g -27

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

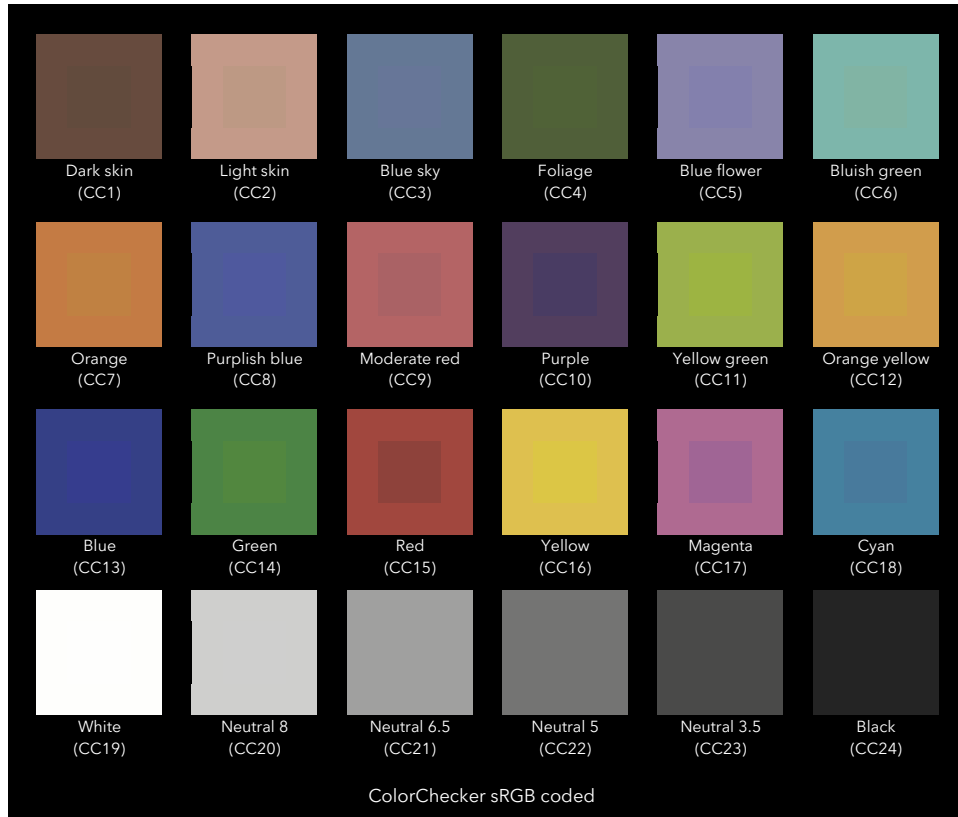
Photometric report

Beam angle 3.5° - Min. zoom - CRI 70

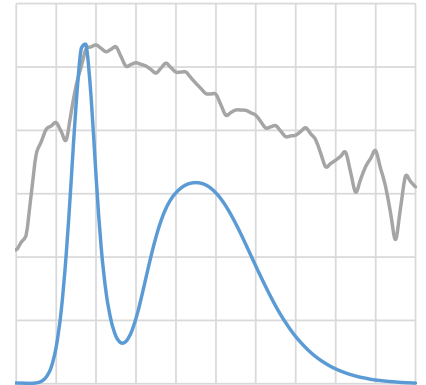
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6194 (-0.2)

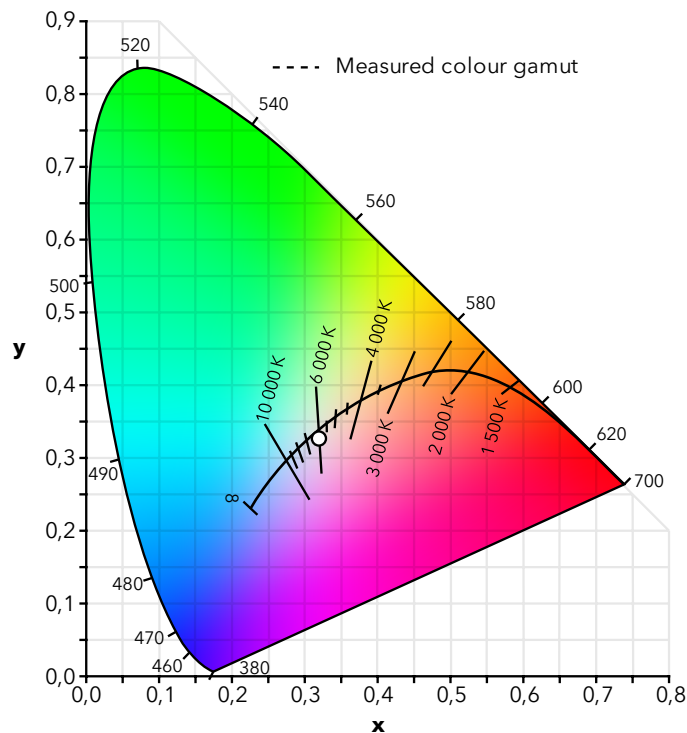
TLCI-2012: 45 (D6194)



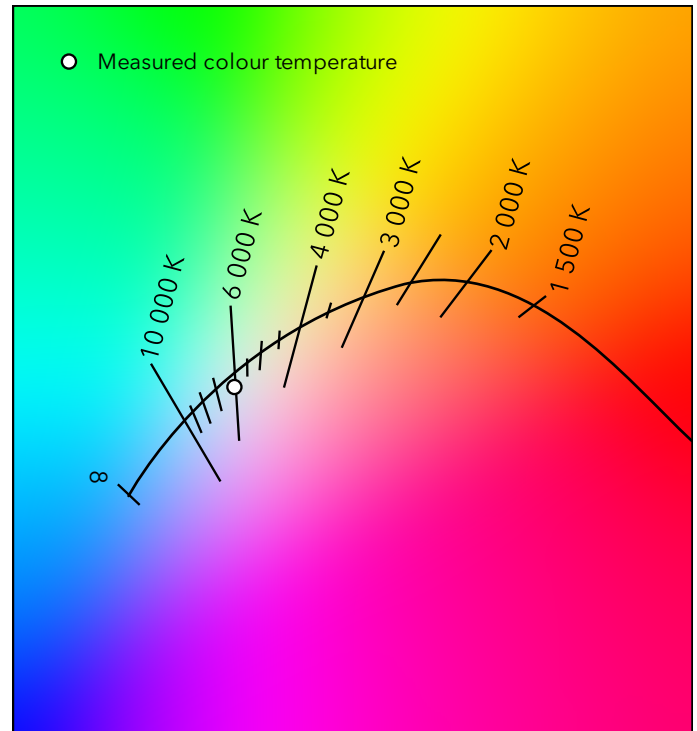
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	+	+++++
C	++	0	0
C/B	+++++	0	-----
B	0	---	-----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

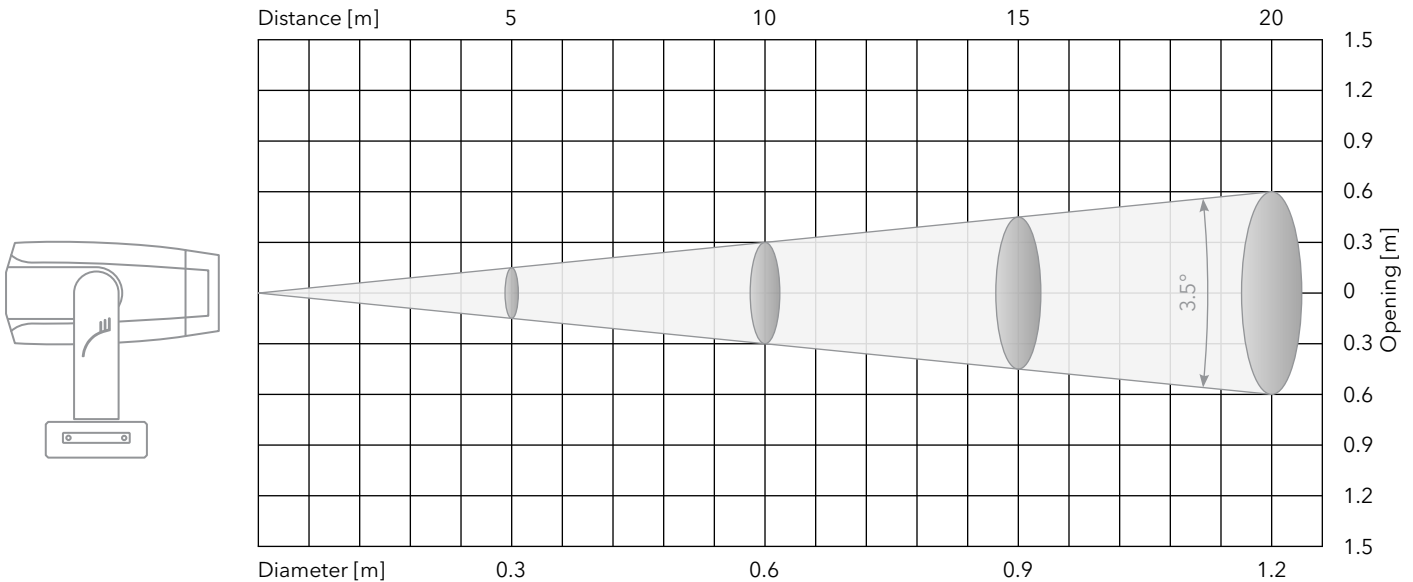
ROBE

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 80

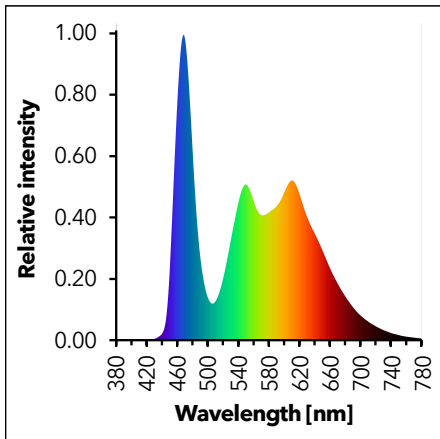
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
3.5°	18157 lm	17292 lm	6597475 cd	1085 W



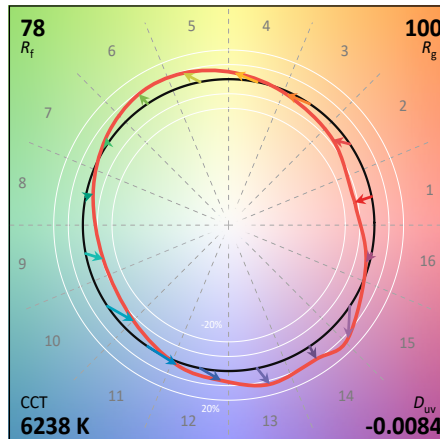
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	263899/24517	65975/6129	29322/2724	16494/1532	7331/681	4123/383	2639/245	17292
Auto Fan Mode	261968/24338	65492/6084	29108/2704	16373/1521	7277/676	4093/380	2620/243	17166
Quiet Fan Mode	168335/15639	42084/3910	18704/1738	10521/977	4676/434	2630/244	1683/156	11030

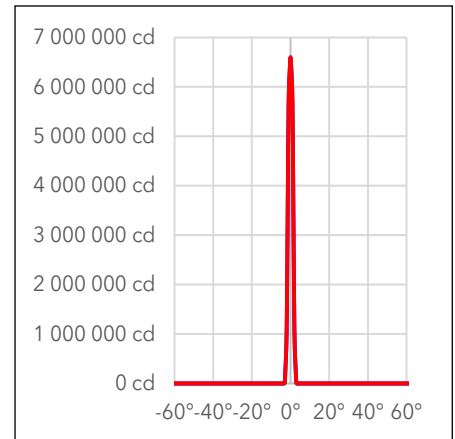
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6238 K
Color Deviation from Black	Duv	-0.0084
Color Coordinate CIE 1931	x	0.3192
	y	0.3135
Color Coordinate	u	0.2085
	v	0.3072

Color rendering index	CRI	83
Red component	CRI R9	16
Color fidelity	TM30 Rf	78
Color gamut	TM30 Rg	100
Television consistency Index	TLCI	61

*CCT measured in integrating sphere

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

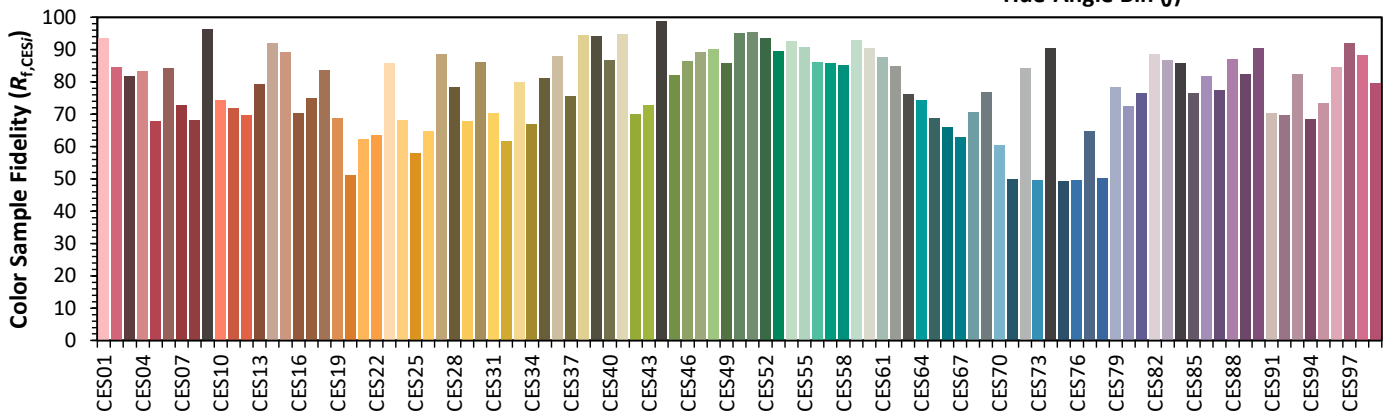
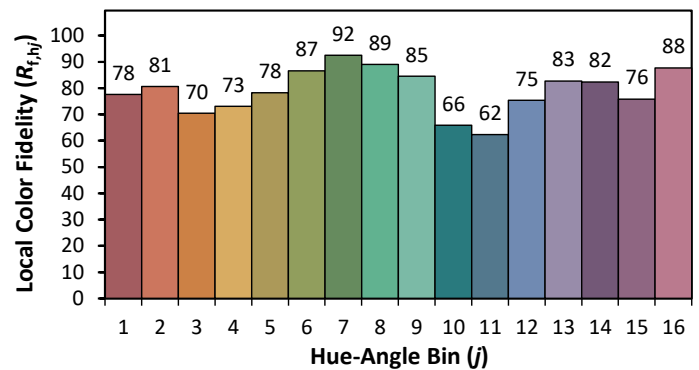
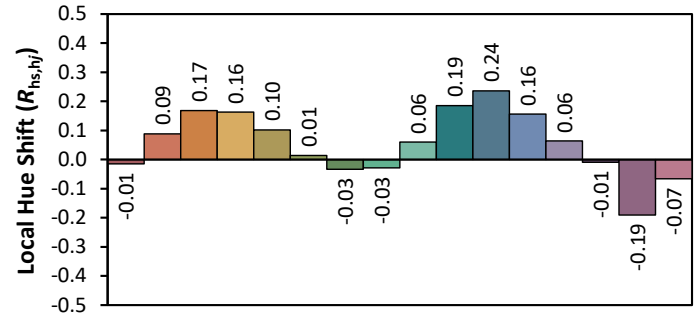
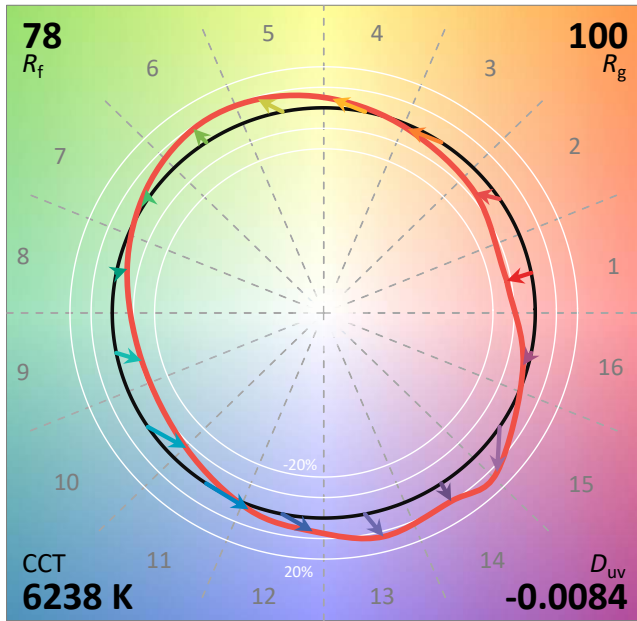
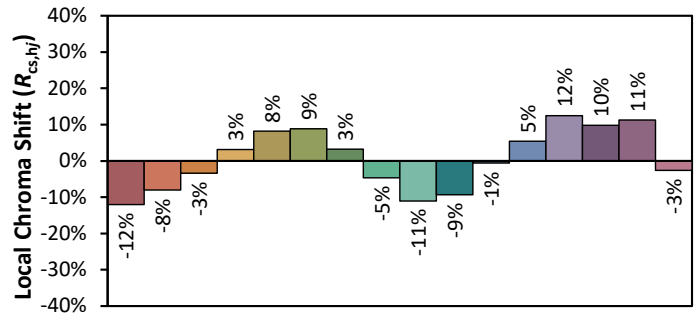
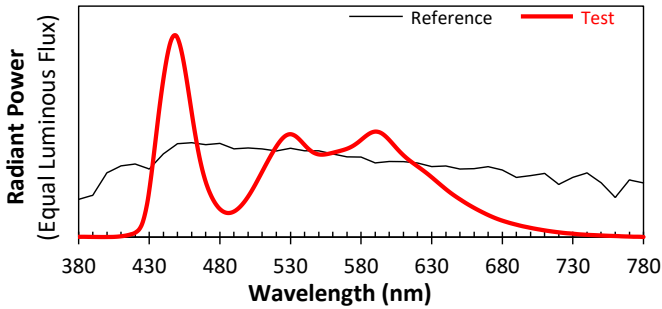
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3192

y 0.3135

u' 0.2085

v' 0.4608

CIE 13.3-1995
(CRI)

R_a 83

R_g 16

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

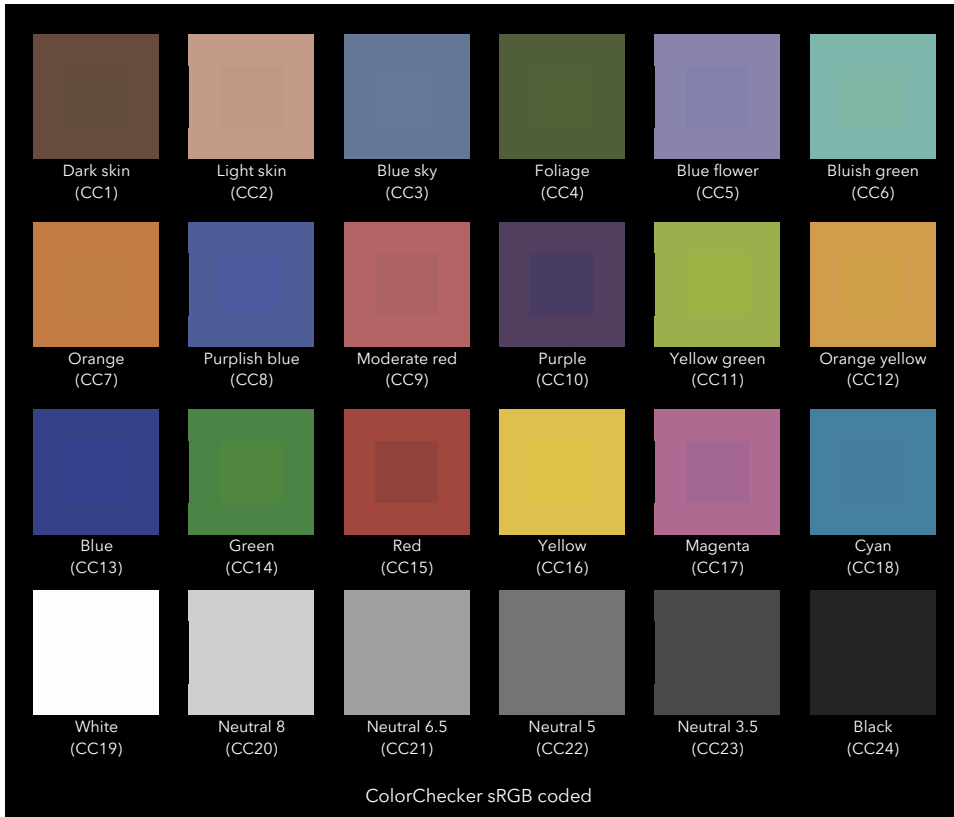
Photometric report

Beam angle 3.5° - Min. zoom - CRI 80

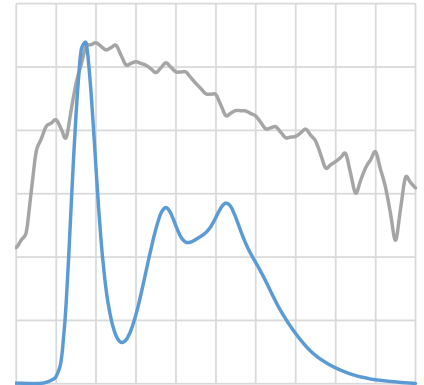
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6238 (-1.6)

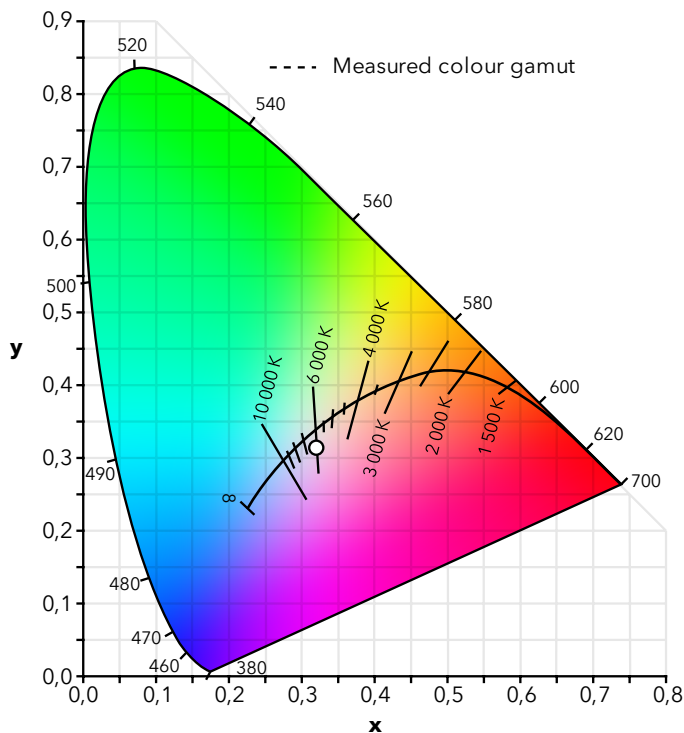
TLCI-2012: 61 (D6238)



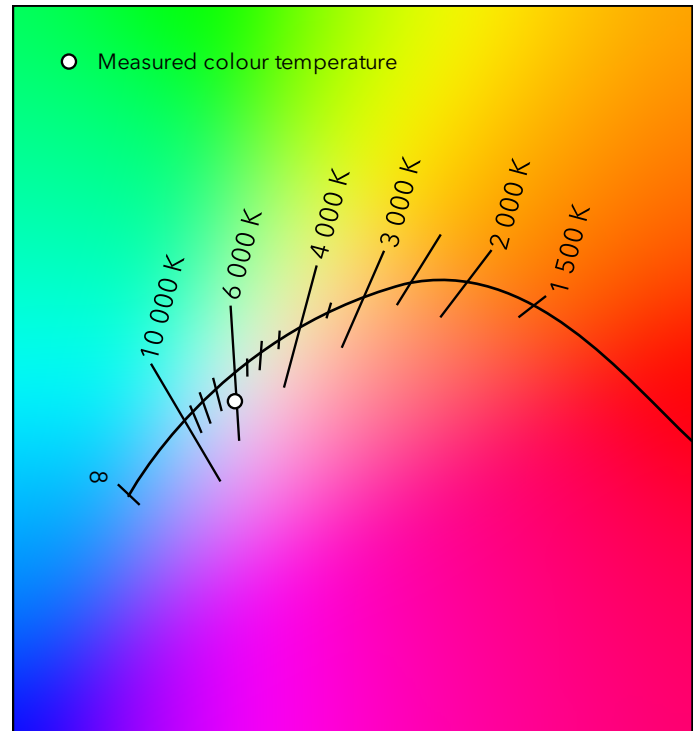
Sector	Lightness	Chroma	Hue
R	++++	++	+
R/Y	0	+	---
Y	-	-	---
Y/G	-	--	0
G	-	--	++
G/C	0	0	++++
C	+	0	0
C/B	++	0	--
B	0	---	--
B/M	+	--	+++++
M	+++	-	+++++
M/R	++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

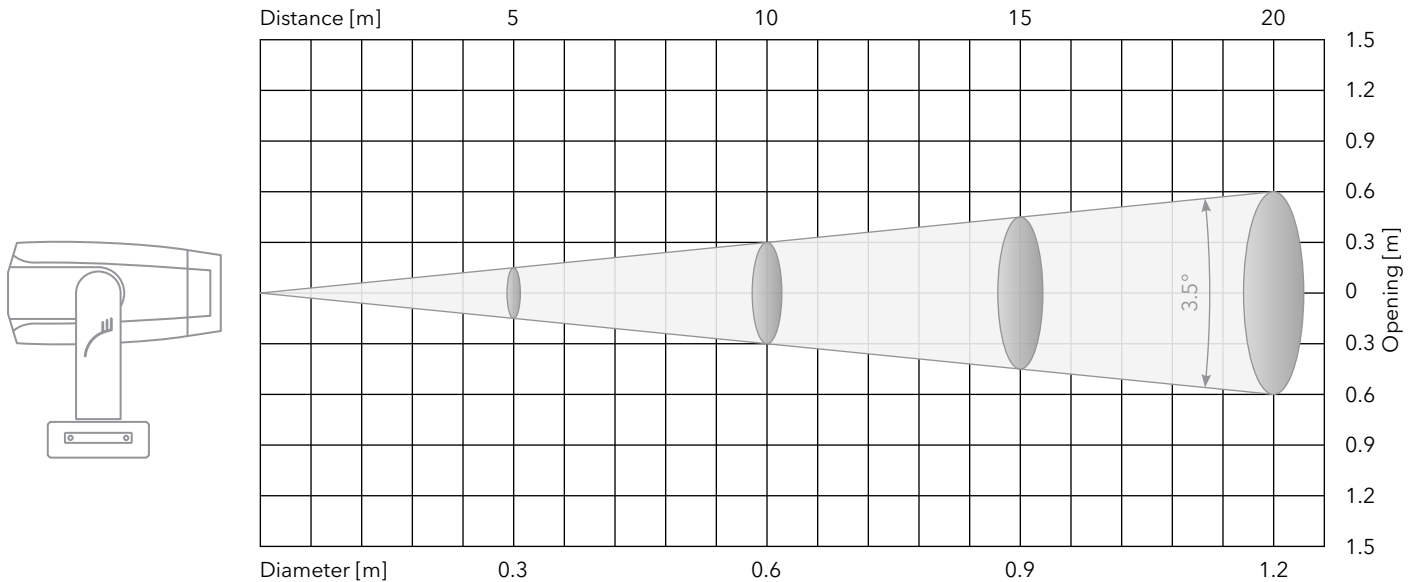
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 90

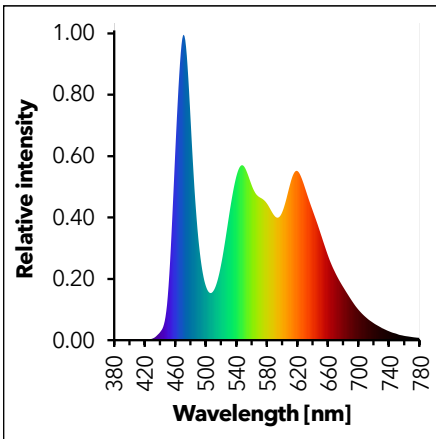
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
3.5°	19399 lm	18475 lm	5871275 cd	1085 W



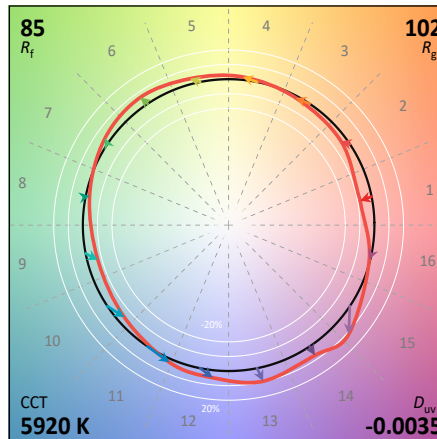
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	234851/21818	58713/5455	26095/2424	14678/1364	6524/606	3670/341	2349/218	18475
Auto Fan Mode	233133/21659	58283/5415	25904/2407	14571/1354	6476/602	3643/338	2331/217	18340
Quiet Fan Mode	149806/13917	37452/3479	16645/1546	9363/870	4161/387	2341/217	1498/139	11785

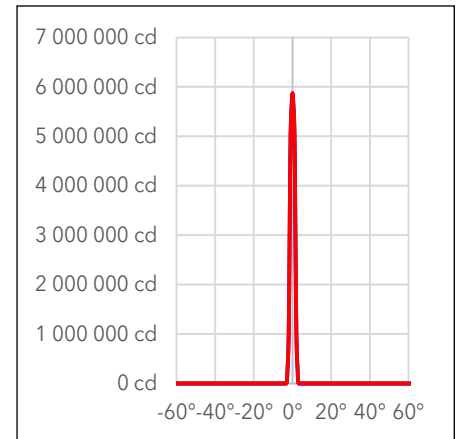
Spectrum



TM-30



Light distribution



Color temperature	CCT*	5920 K
Color Deviation from Black	Duv	-0.0035
Color Coordinate CIE 1931	x	0.3239
	y	0.3267
Color Coordinate	u	0.2066
	v	0.3125

Color rendering index	CRI	88
Red component	CRI R9	39
Color fidelity	TM30 Rf	85
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	77

*CCT measured in integrating sphere

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

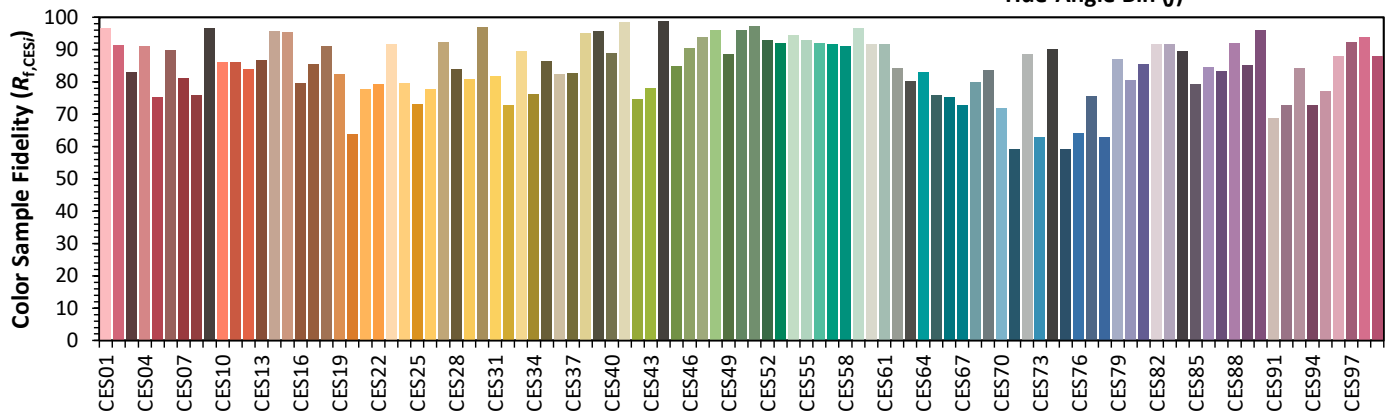
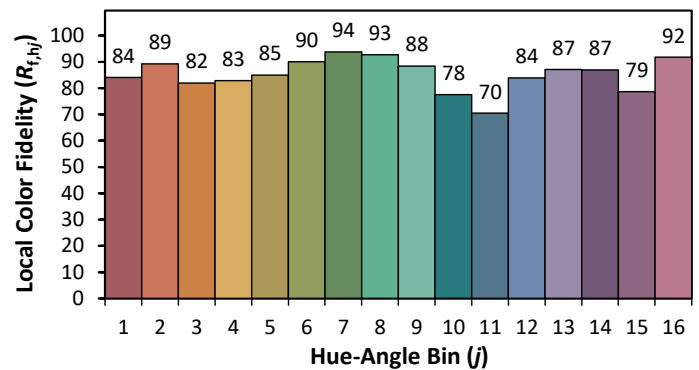
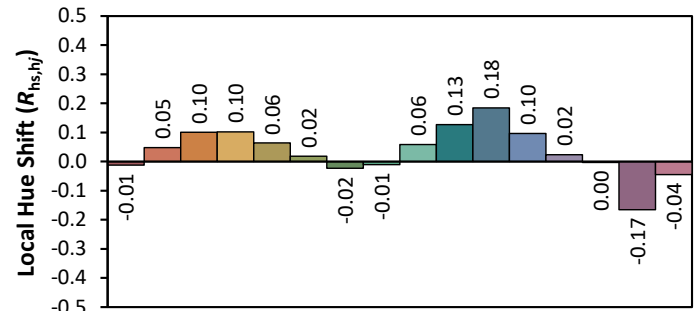
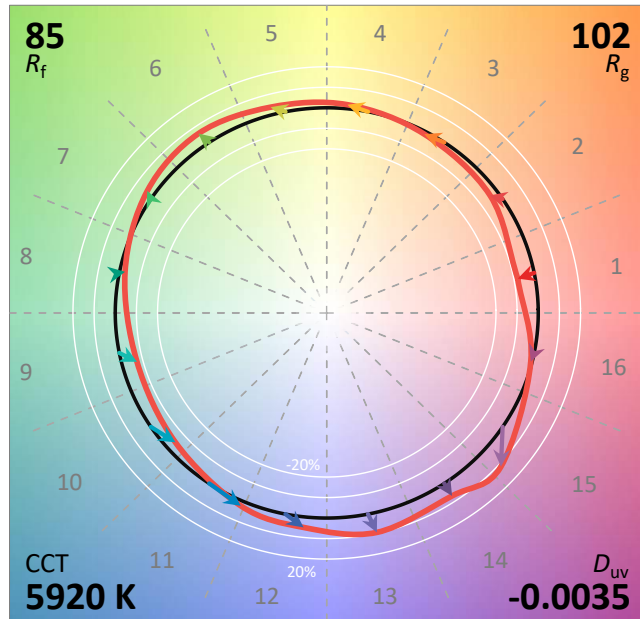
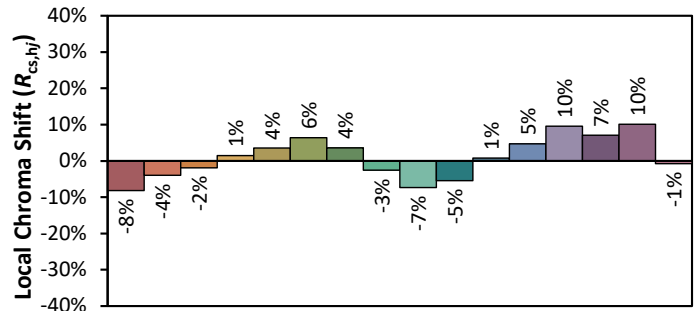
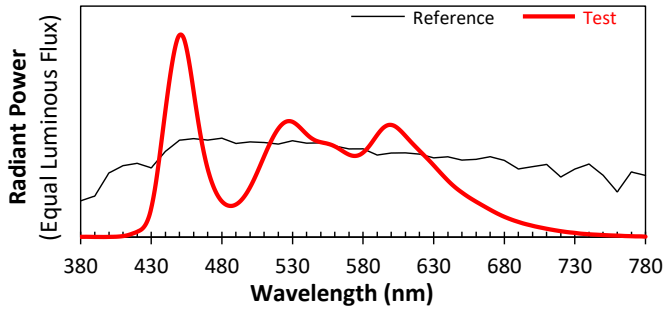
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Beam angle 3.5° - Min. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3239

y 0.3267

u' 0.2066

v' 0.4688

CIE 13.3-1995
(CRI)

R_a 88

R_g 39

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

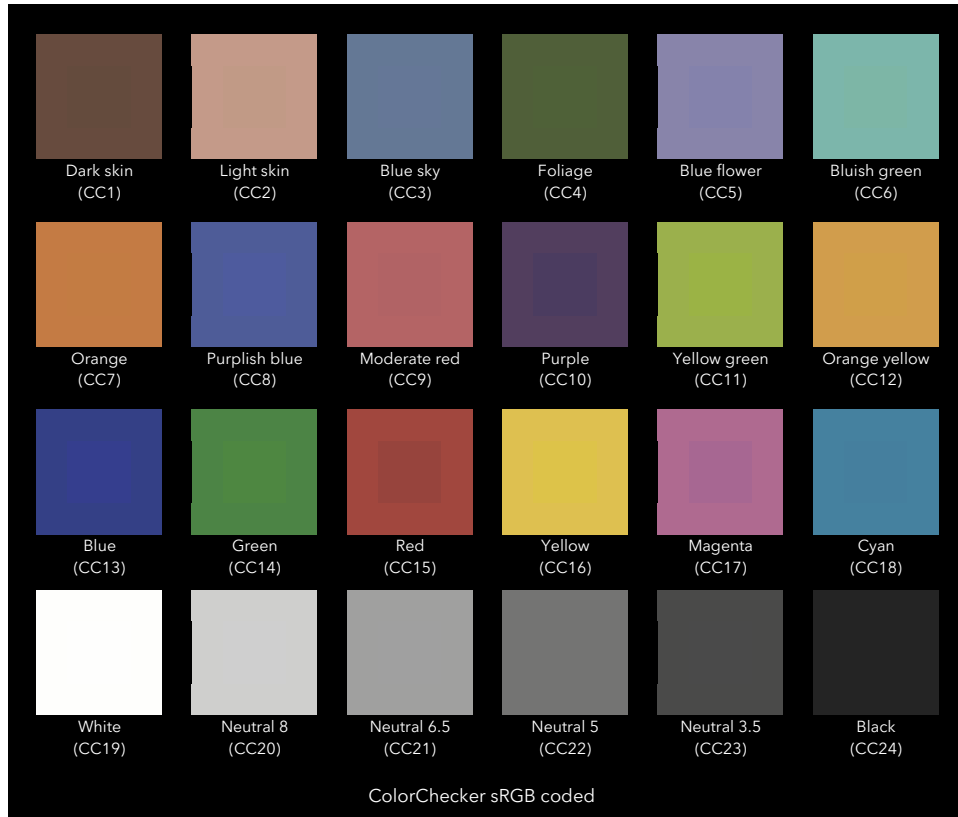
Photometric report

Beam angle 3.5° - Min. zoom - CRI 90

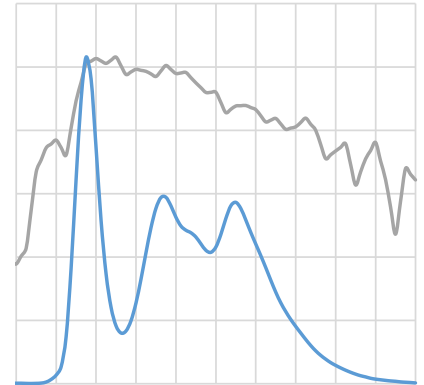
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D5920 (-0.7)

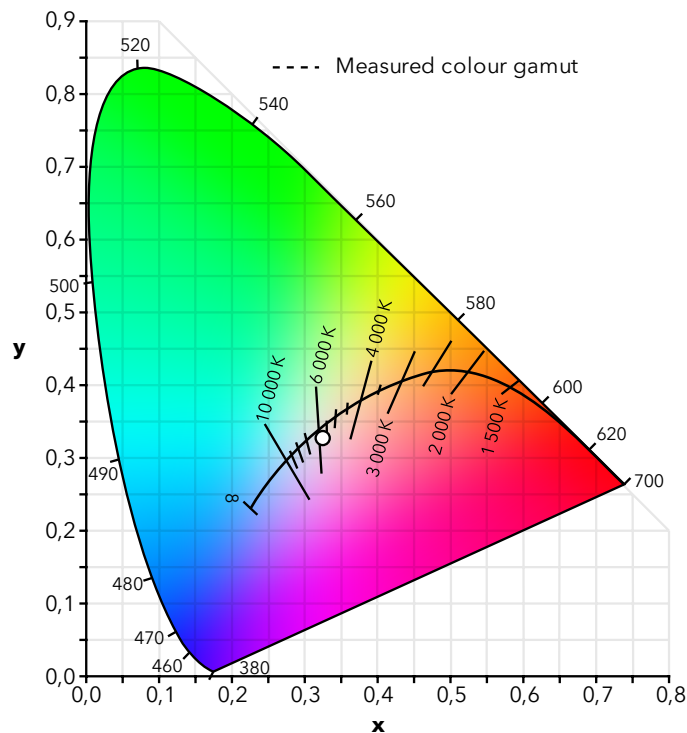
TLCI-2012: 77 (D5920)



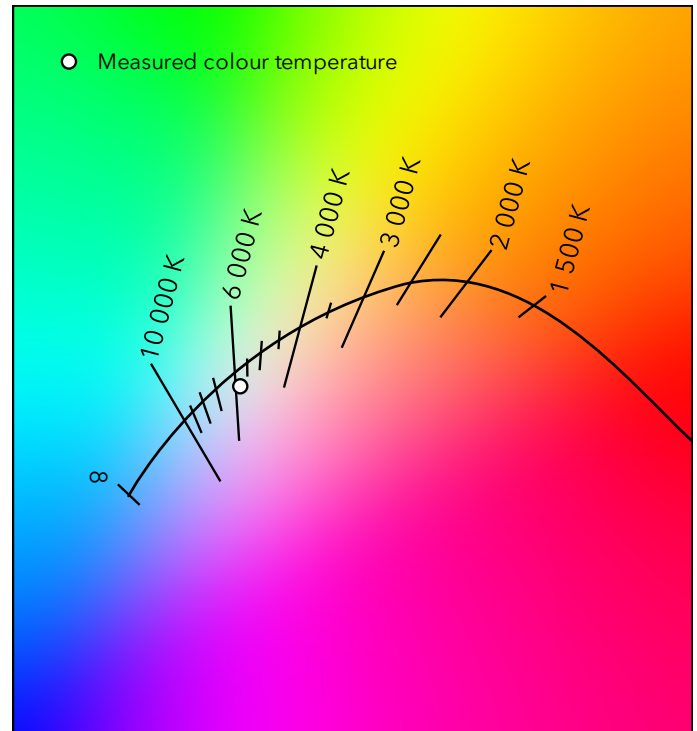
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	--
Y/G	-	--	0
G	-	-	+
G/C	0	0	+++
C	0	0	+
C/B	+	0	-
B	0	--	-
B/M	+	-	++++
M	++	0	++++
M/R	+++	0	++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

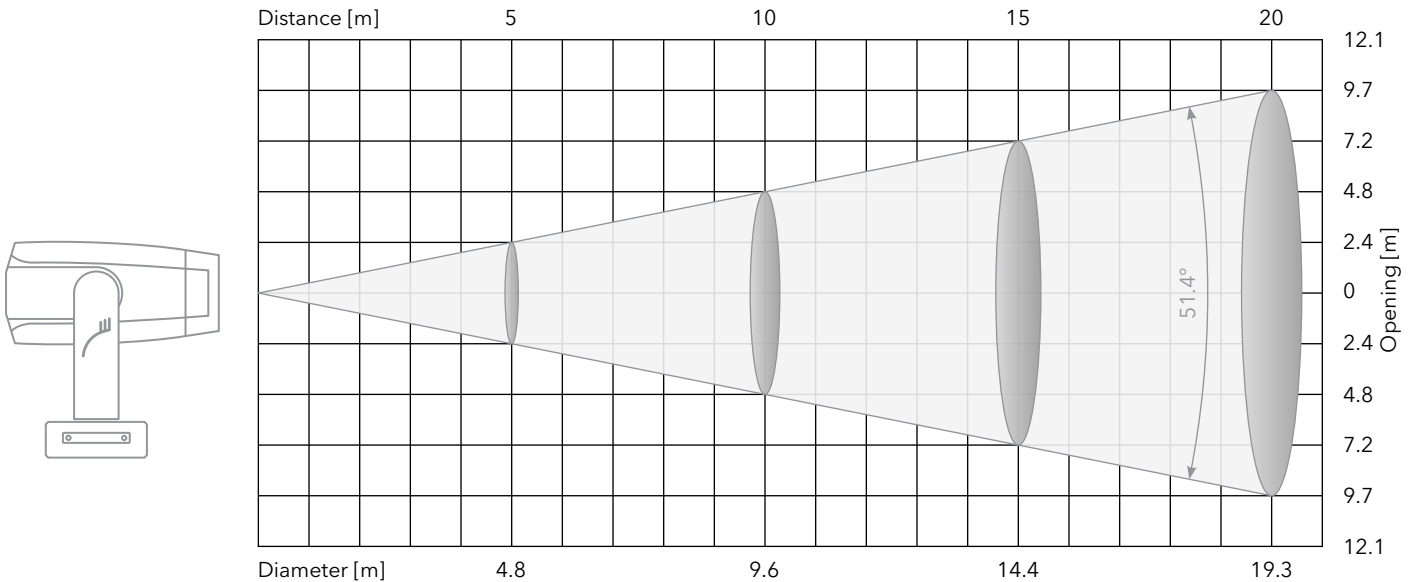
ROBE

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 70

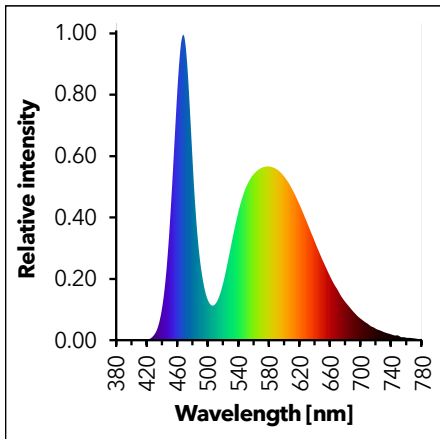
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
51.4°	52985 lm	42388 lm	92300 cd	1187 W



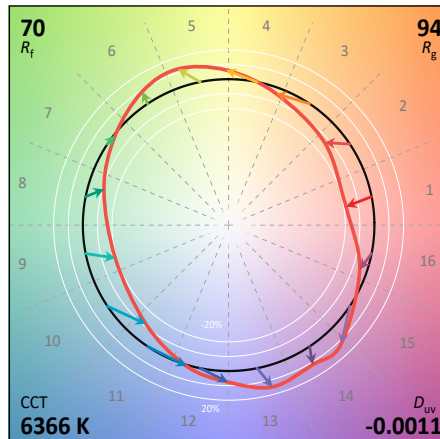
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	3692/343	923/86	410/38	231/21	103/10	58/5	37/3.4	42388
Auto Fan Mode	3665/340	916/85	407/38	229/21	102/9	57/5	37/3.4	42078
Quiet Fan Mode	2355/219	589/55	262/24	147/14	65/6	37/3.4	24/2.2	27038

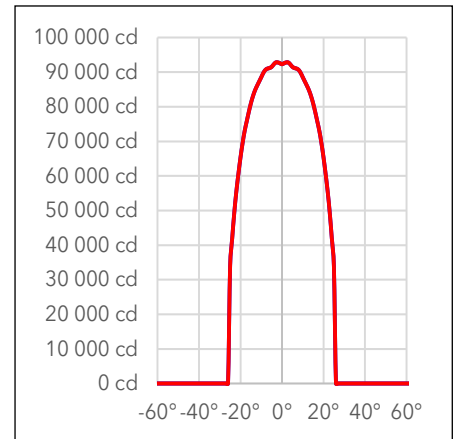
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6366 K
Color Deviation from Black	Duv	-0.0011
Color Coordinate CIE 1931	x	0.3159
	y	0.3238
Color Coordinate	u	0.2020
	v	0.3107

Color rendering index	CRI	71
Red component	CRI R9	-29
Color fidelity	TM30 Rf	70
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	44

*CCT measured in integrating sphere

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

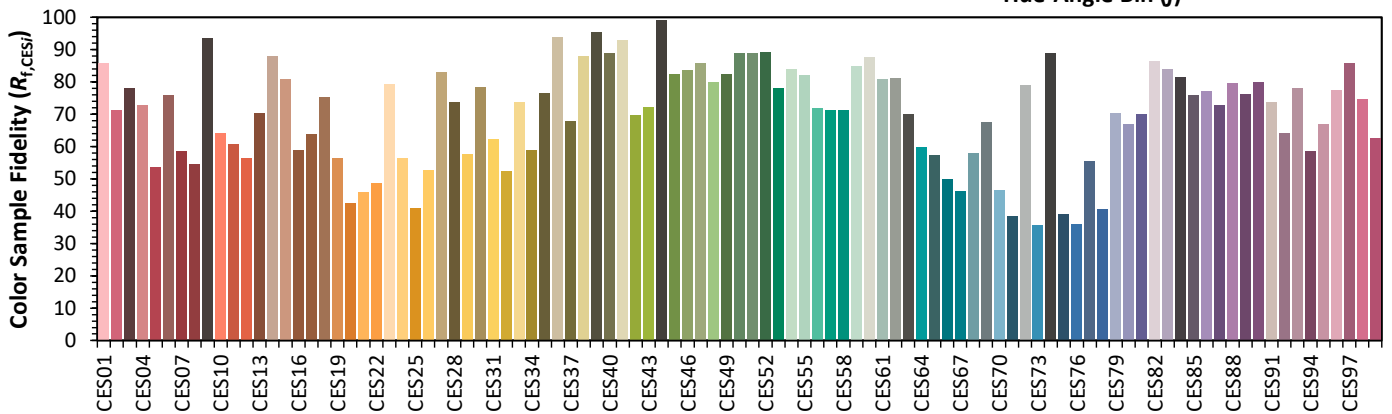
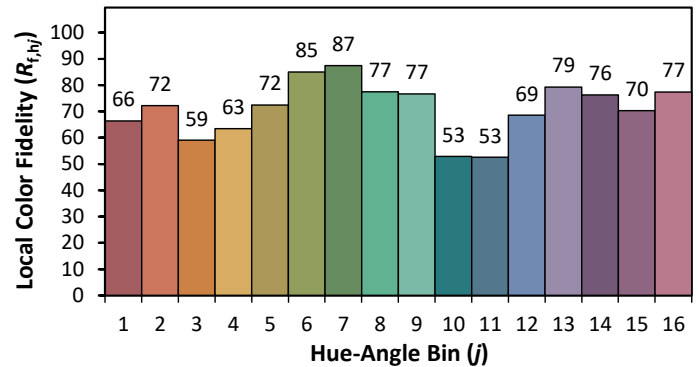
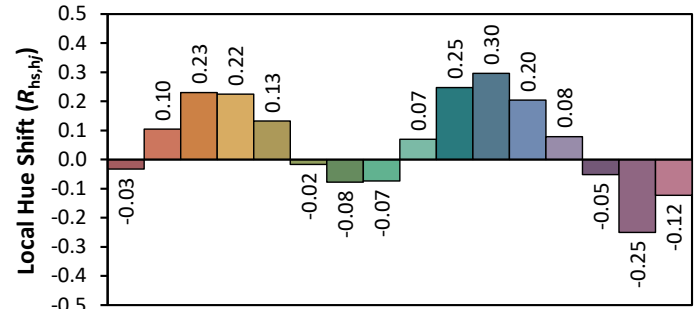
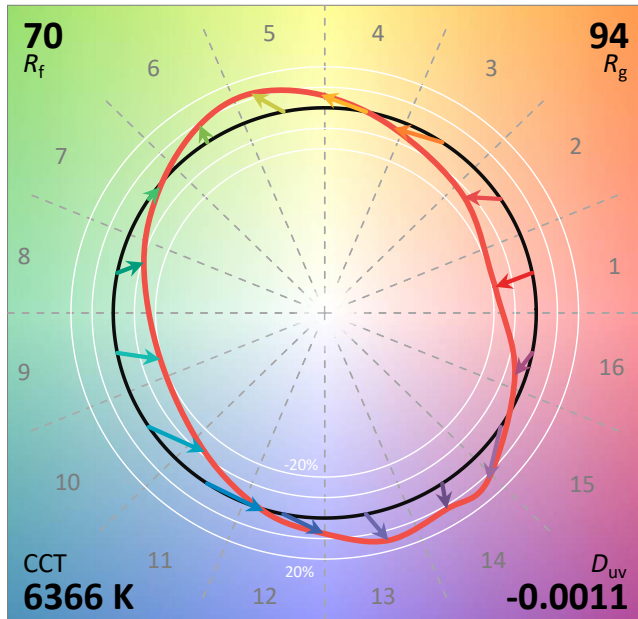
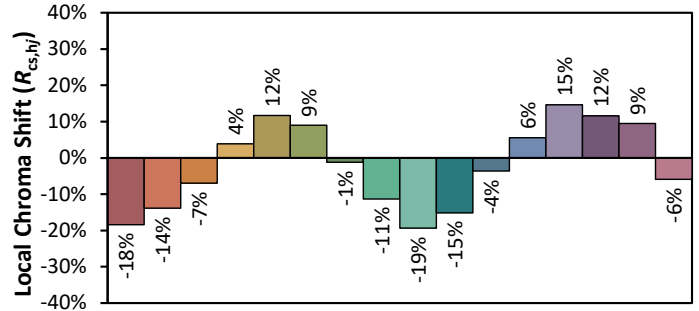
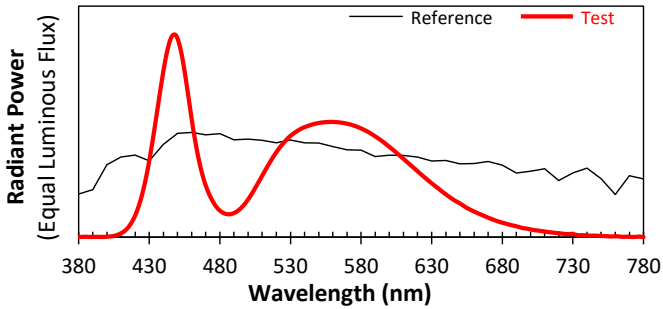
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3159
y 0.3238
 u' 0.2020
 v' 0.4660

CIE 13.3-1995
(CRI)

R_a 71

R_g -29

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

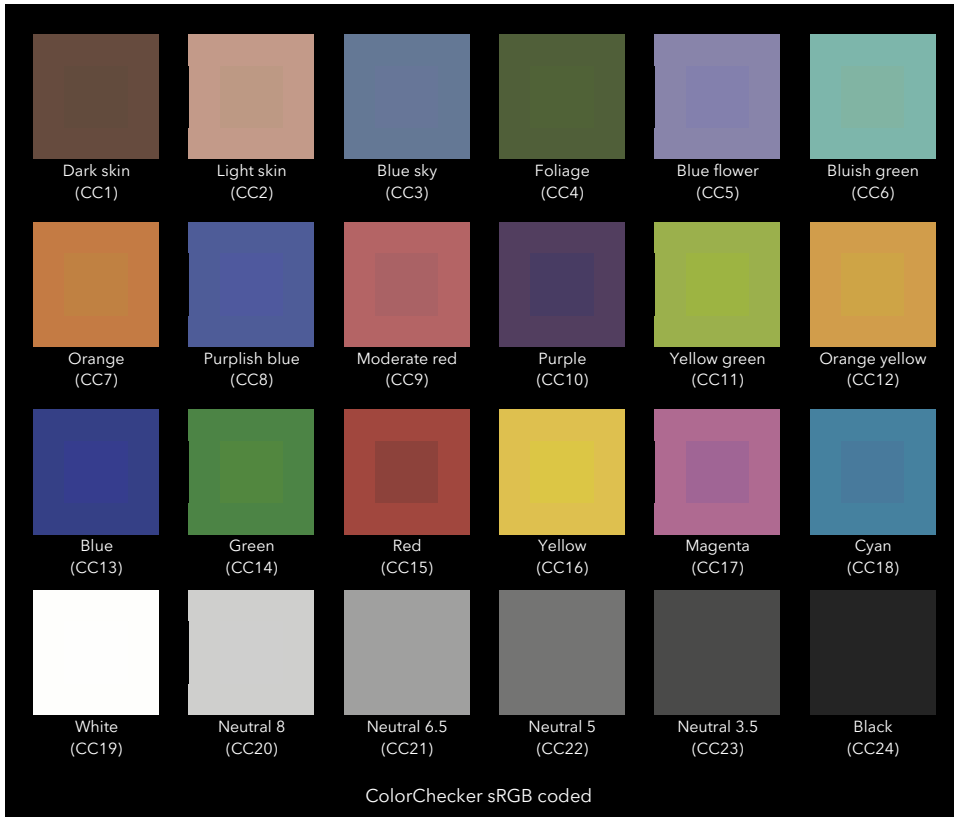
Photometric report

Field angle 51.4° - Max. zoom - CRI 70

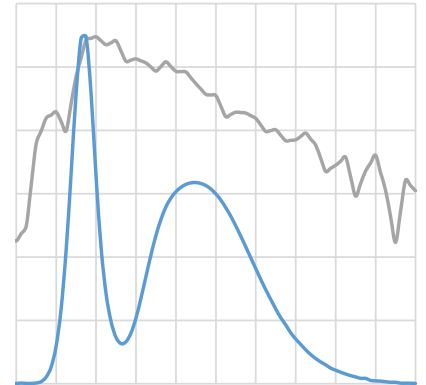
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6366 (-0.2)

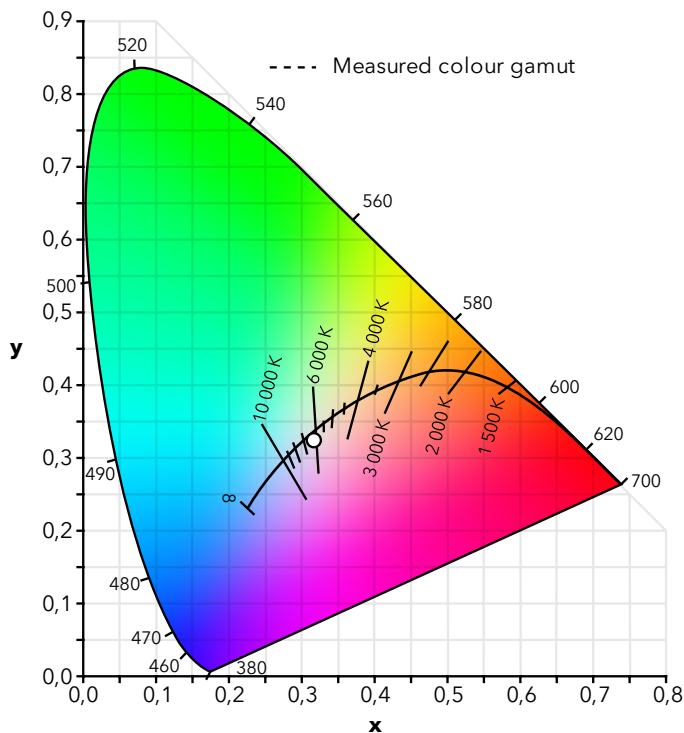
TLCI-2012: 44 (D6366)



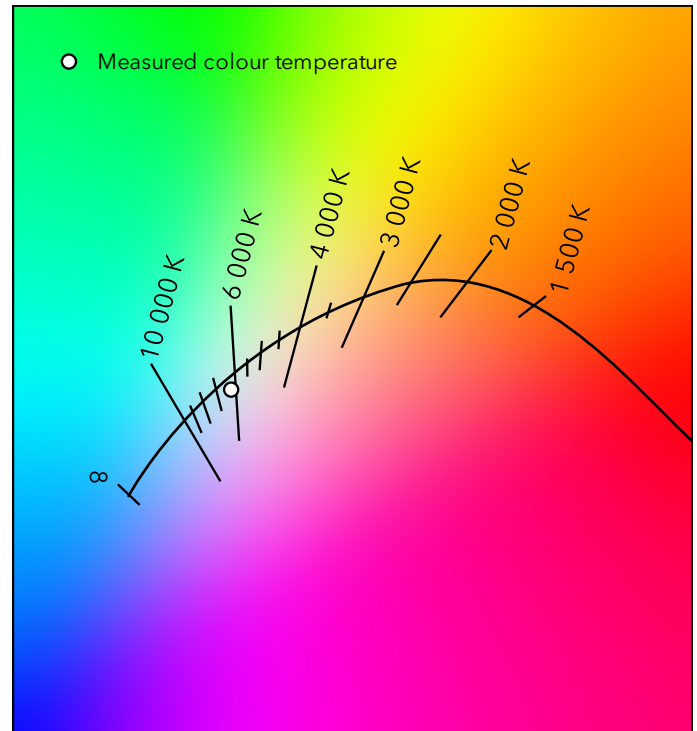
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	0	++++
C	++	0	0
C/B	++++	0	-----
B	0	---	-----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

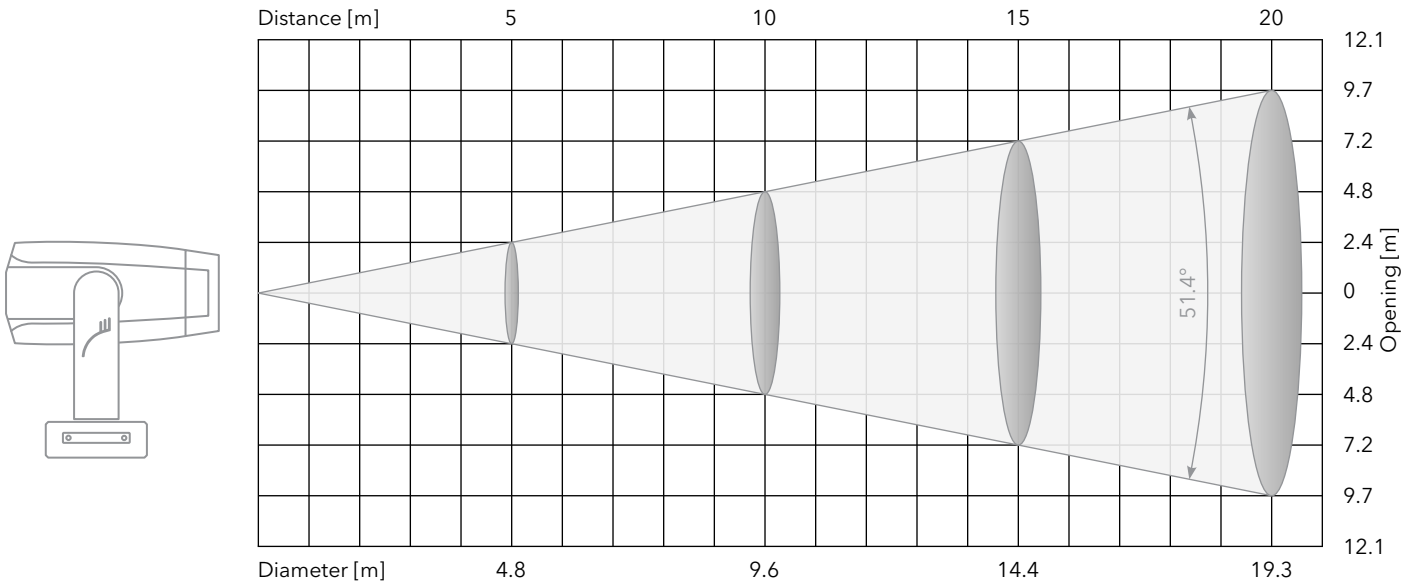
ROBE

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 80

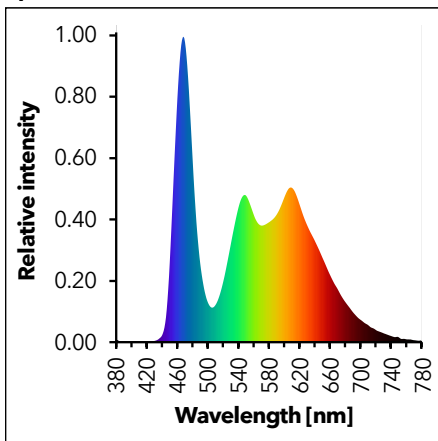
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
51.4°	41336 lm	33069 lm	72000 cd	1187 W



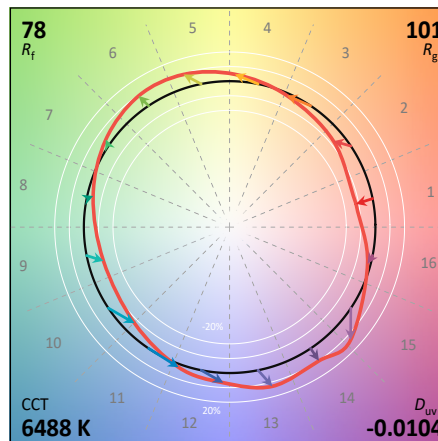
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	2880/268	720/67	320/30	180/17	80/7	45/4.2	29/2.7	33069
Auto Fan Mode	2859/266	715/66	318/30	179/17	79/7	45/4.2	29/2.7	32827
Quiet Fan Mode	1824/169	456/42	203/19	114/11	51/4.7	29/2.6	18/1.7	20944

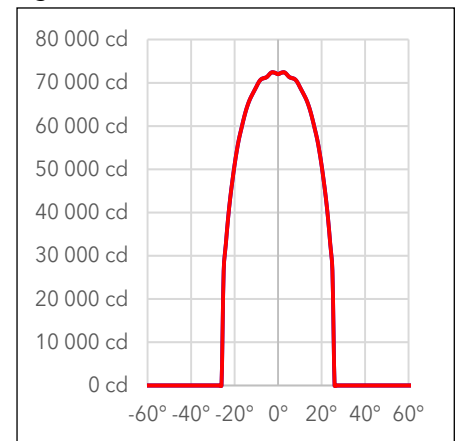
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6488 K
Color Deviation from Black	Duv	-0.0104
Color Coordinate CIE 1931	x	0.3160
	y	0.3069
Color Coordinate	u	0.2089
	v	0.3043

Color rendering index	CRI	83
Red component	CRI R9	18
Color fidelity	TM30 Rf	78
Color gamut	TM30 Rg	101
Television consistency Index	TLCI	60

*CCT measured in integrating sphere

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

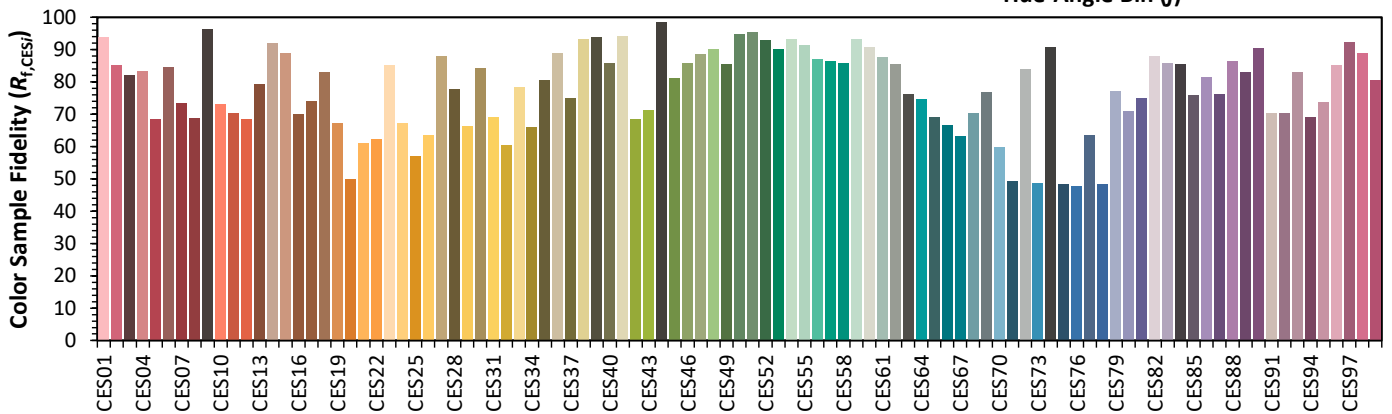
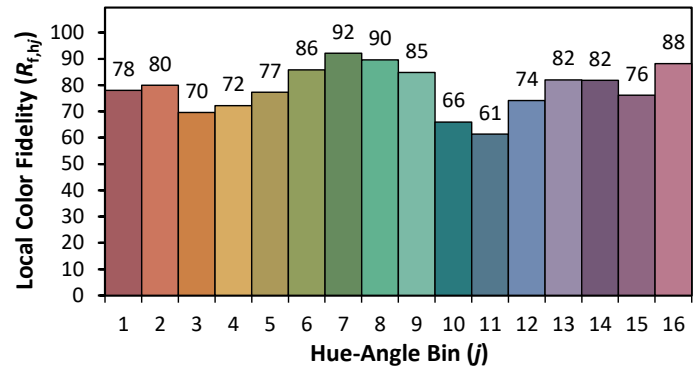
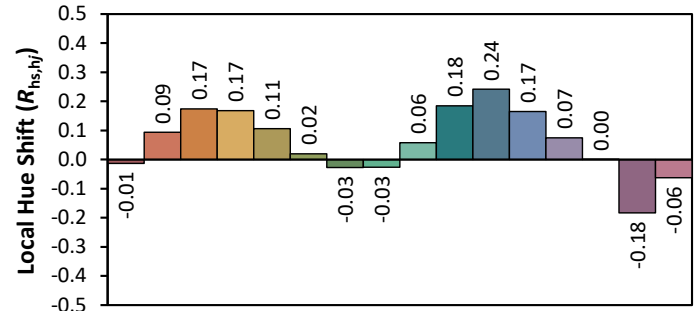
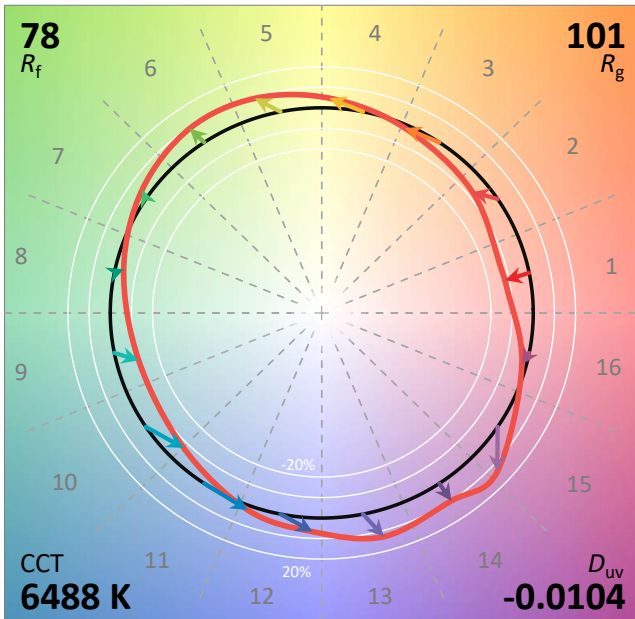
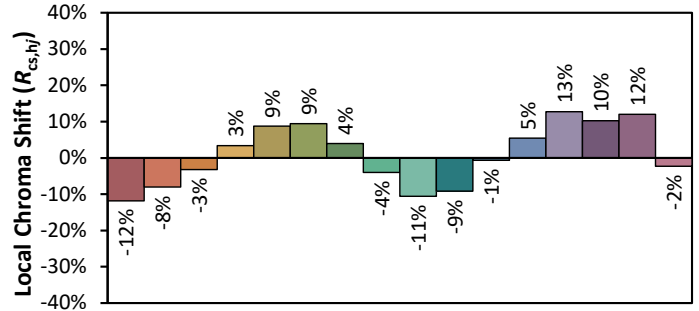
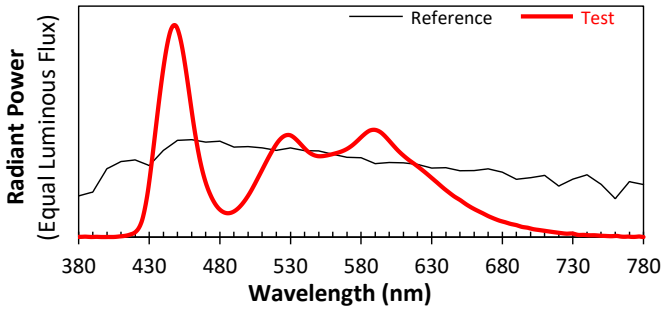
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3160

y 0.3069

u' 0.2089

v' 0.4565

CIE 13.3-1995

(CRI)

R_a 83

R_g 19

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

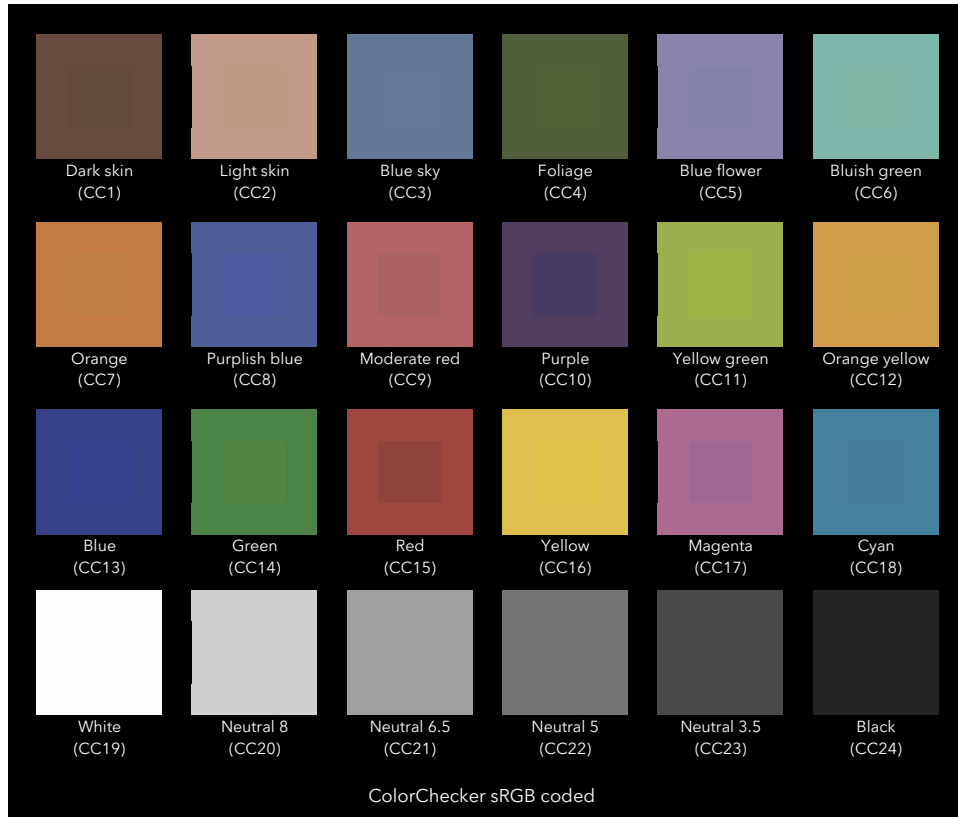
Photometric report

Field angle 51.4° - Max. zoom - CRI 80

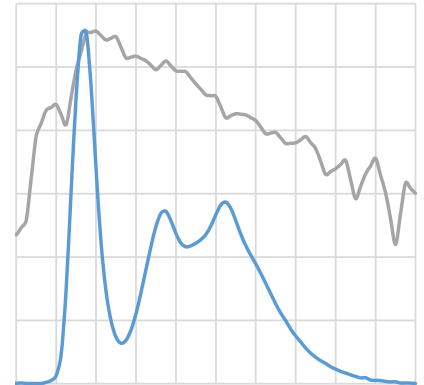
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6488 (-1.9)

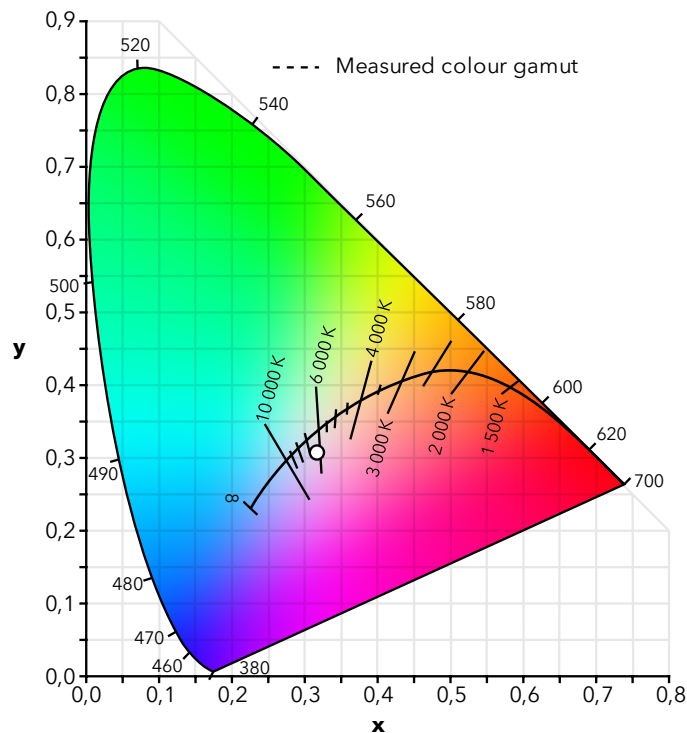
TLCI-2012: 60 (D6488)



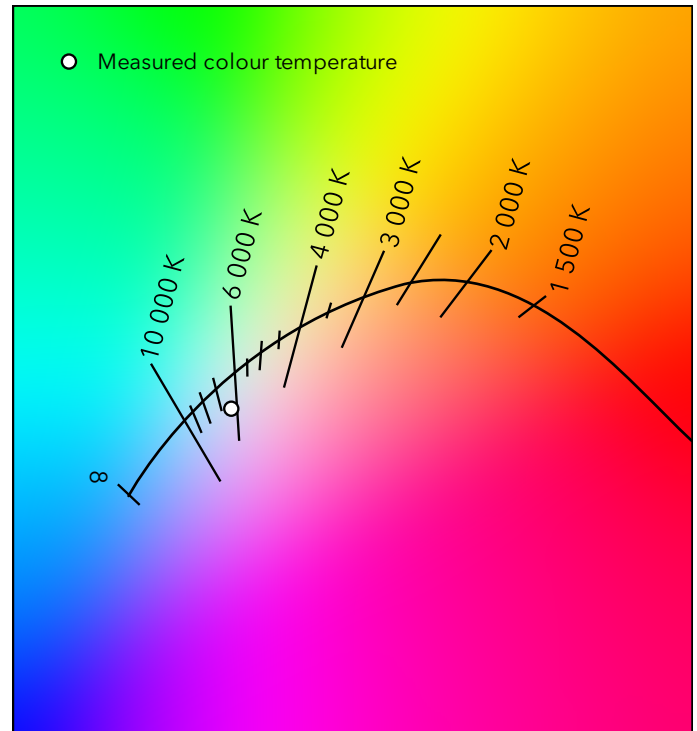
Sector	Lightness	Chroma	Hue
R	++++	++	+
R/Y	0	+	---
Y	-	-	---
Y/G	-	--	0
G	-	--	++
G/C	0	0	++++
C	+	0	+
C/B	++	0	--
B	0	---	--
B/M	+	--	+++++
M	+++	-	+++++
M/R	++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

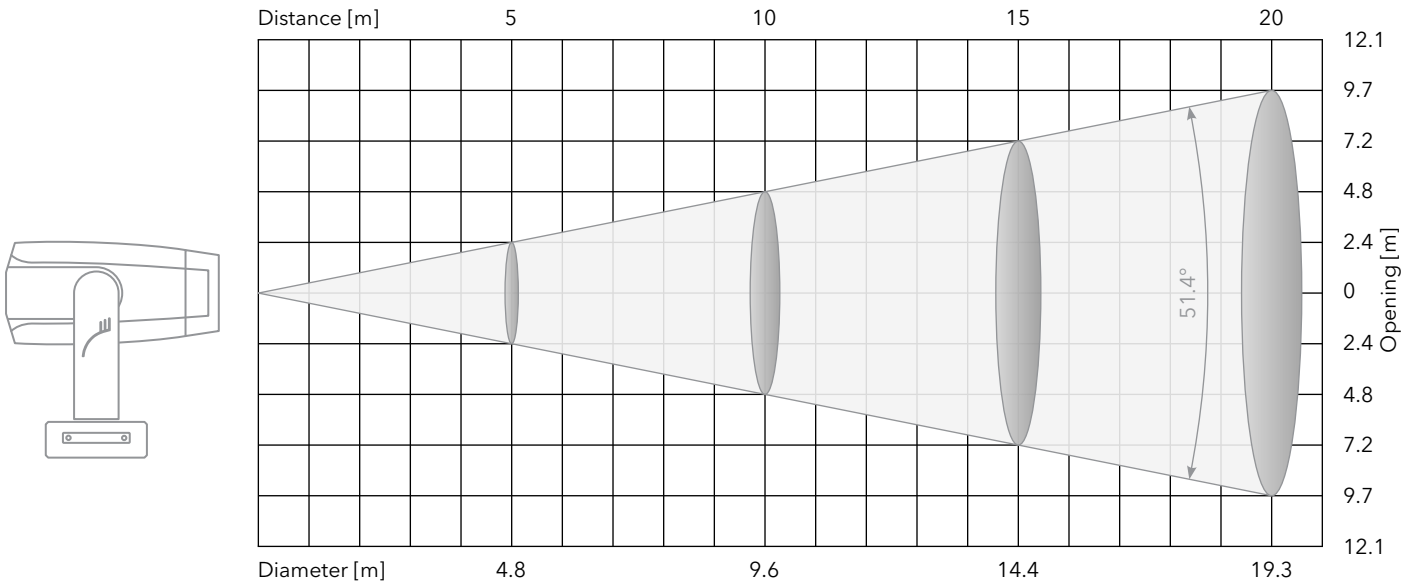
ROBE

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 90

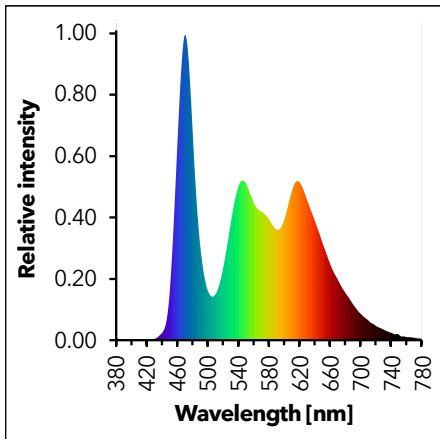
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
51.4°	36191 lm	28953 lm	63025 cd	1187 W



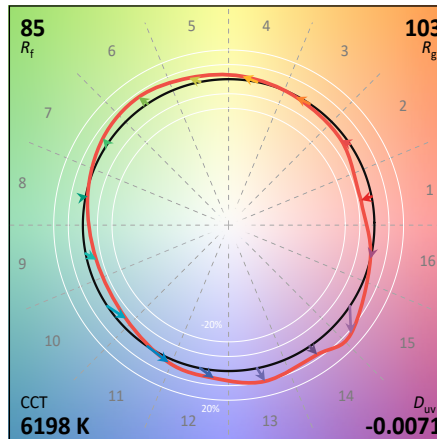
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	2521/234	630/59	280/26	158/15	70/7	39/3.7	25/2.3	28953
Auto Fan Mode	2503/233	626/58	278/26	156/15	70/6	39/3.6	25/2.3	28741
Quiet Fan Mode	1597/148	399/37	177/16	100/9	44/4.1	25/2.3	16/1.5	18341

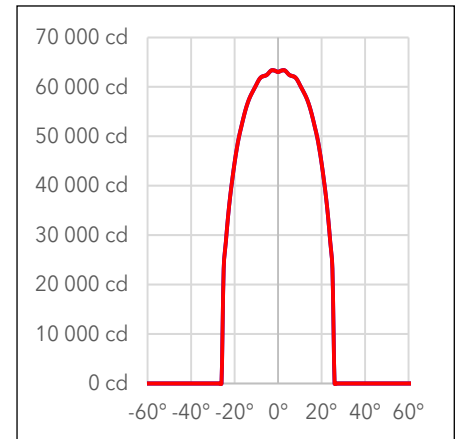
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6198 K
Color Deviation from Black	Duv	-0.0071
Color Coordinate CIE 1931	x	0.3197
	y	0.3163
Color Coordinate	u	0.2077
	v	0.3083

Color rendering index	CRI	89
Red component	CRI R9	45
Color fidelity	TM30 Rf	85
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	76

*CCT measured in integrating sphere

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

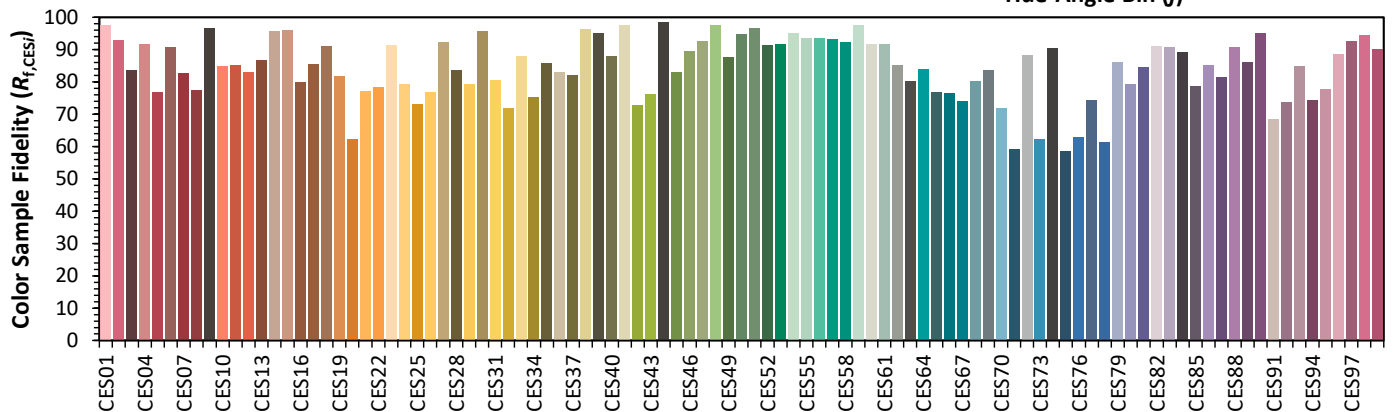
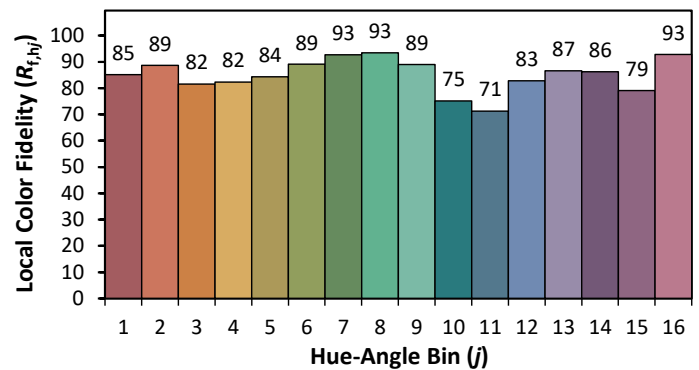
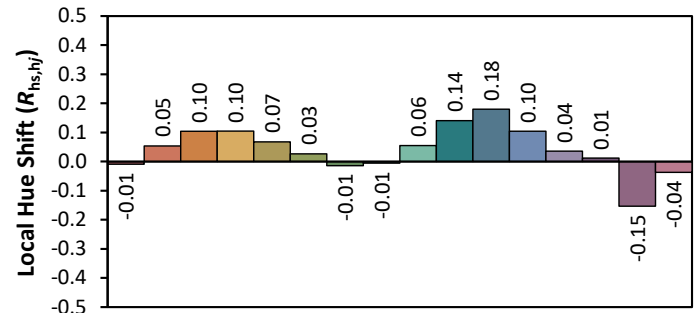
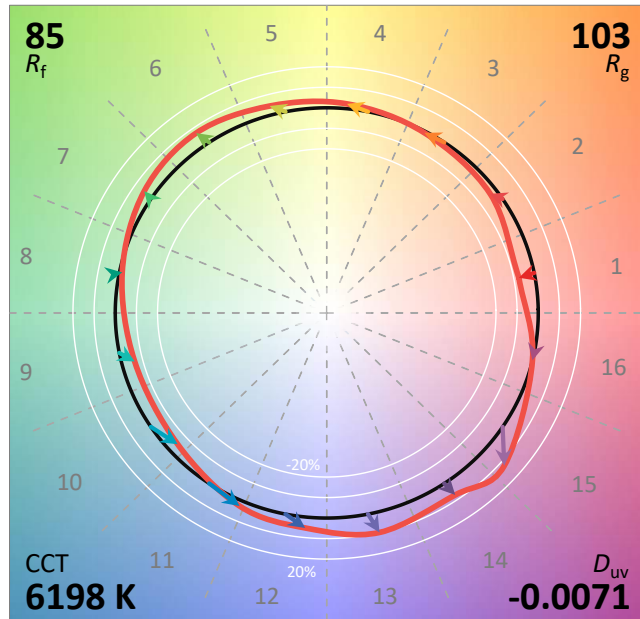
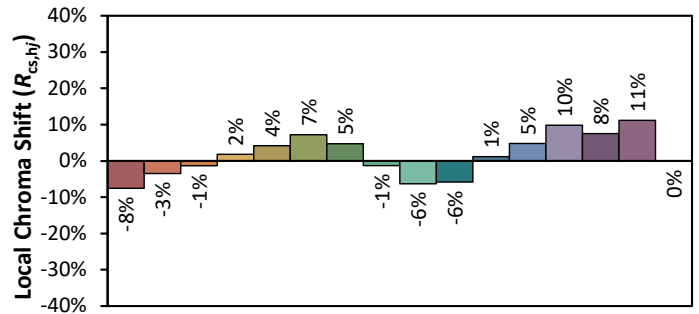
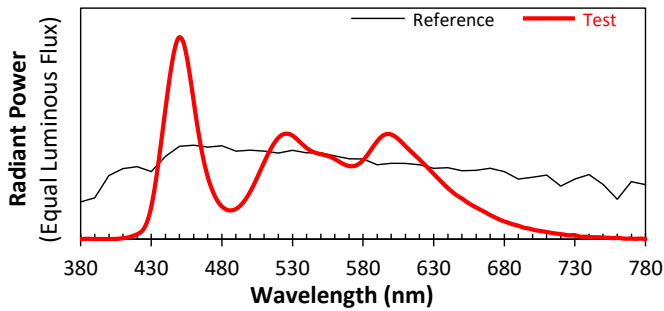
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 51.4° - Max. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3197
y 0.3163
 u' 0.2077
 v' 0.4624

CIE 13.3-1995
(CRI)

R_a 89

R_g 45

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

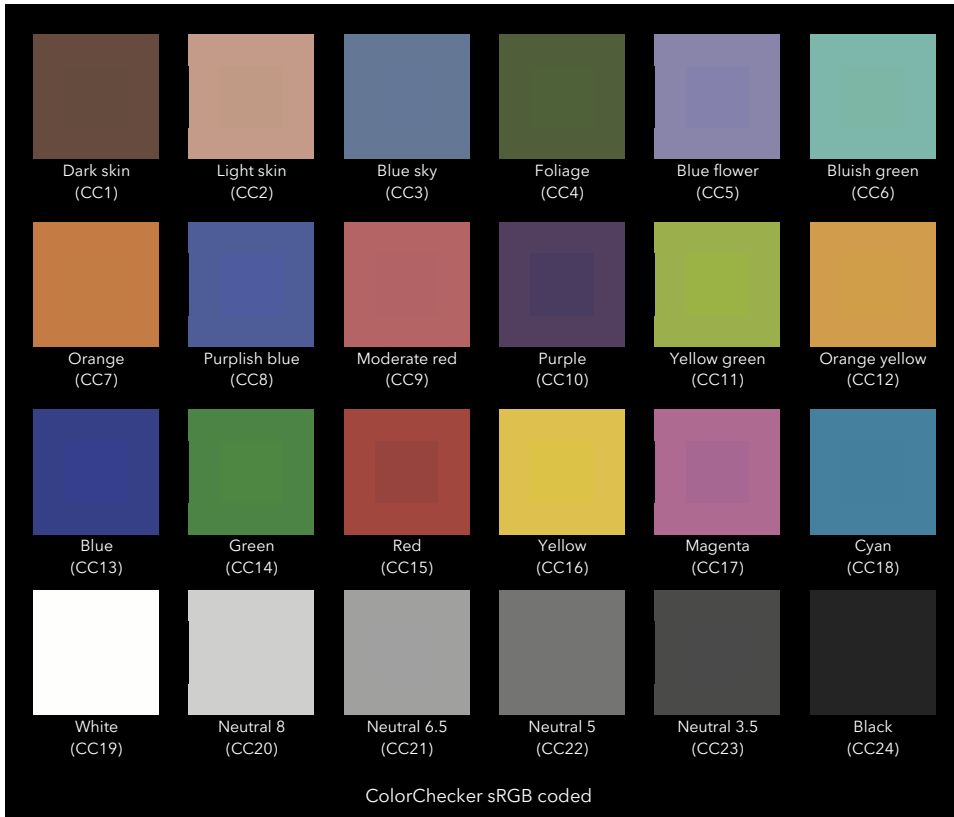
Photometric report

Field angle 51.4° - Max. zoom - CRI 90

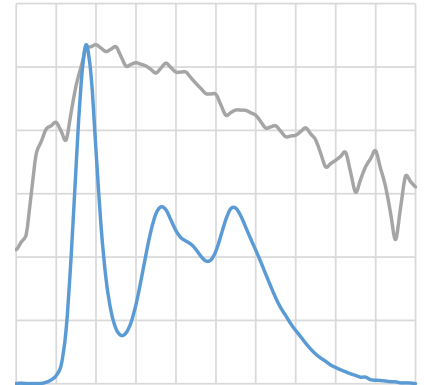
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6198 (-1.3)

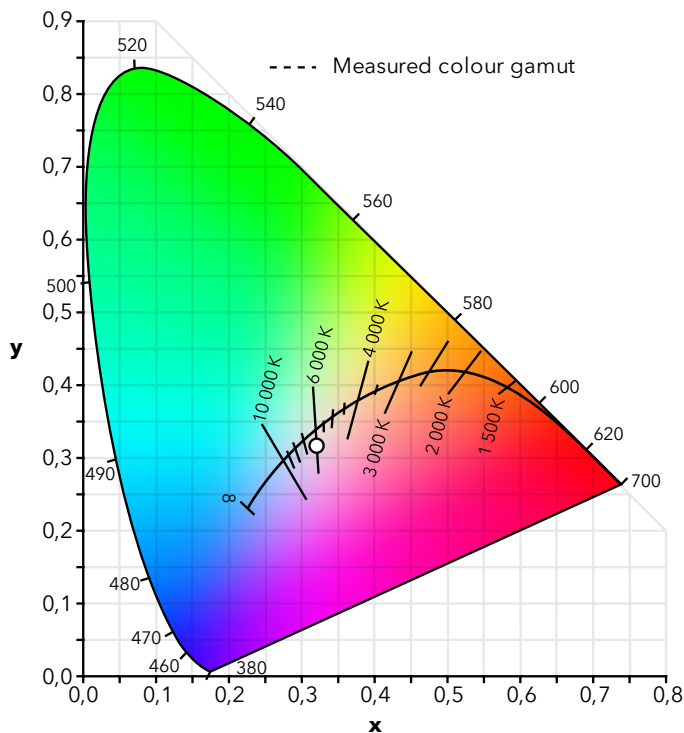
TLCI-2012: 76 (D6198)



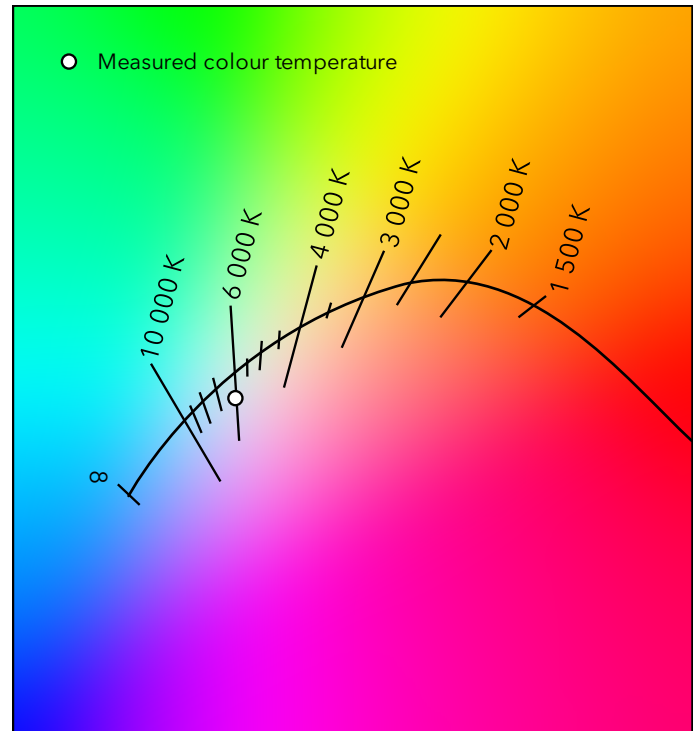
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	--
Y/G	-	--	0
G	-	-	+
G/C	0	0	+++
C	0	0	+
C/B	+	0	0
B	0	--	-
B/M	+	-	++++
M	++	0	++++
M/R	+++	0	++++



CIE 1931 color space gamut



Colour temperature



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

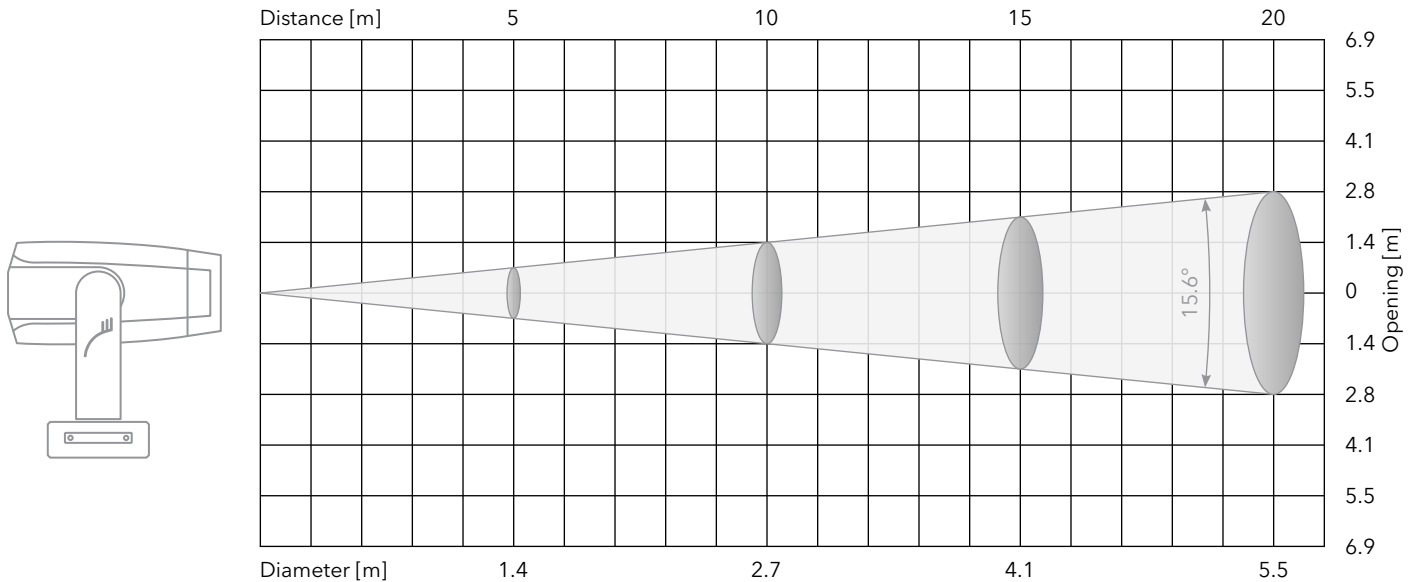
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 70

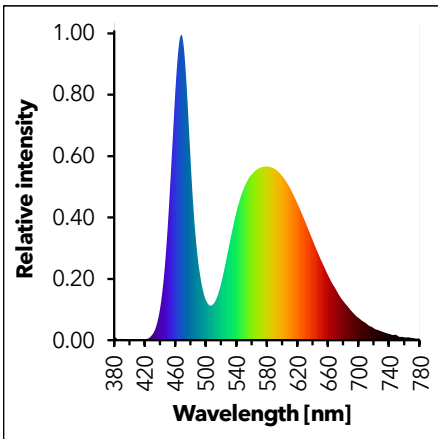
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
15.6°	48131 lm	38505 lm	910650 cd	1173 W



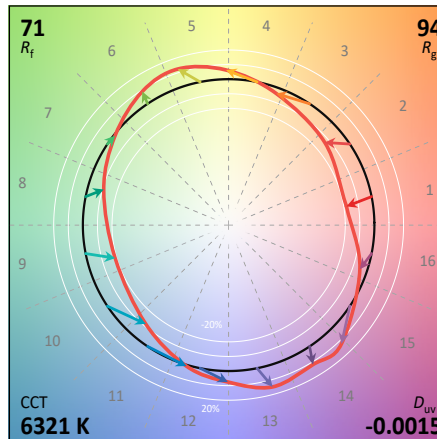
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	36426/3384	9107/846	4047/376	2277/212	1012/94	569/53	364/34	38505
Auto Fan Mode	36159/3359	9040/840	4018/373	2260/210	1004/93	565/52	362/34	38223
Quiet Fan Mode	23235/2159	5809/540	2582/240	1452/135	645/60	363/34	232/22	24561

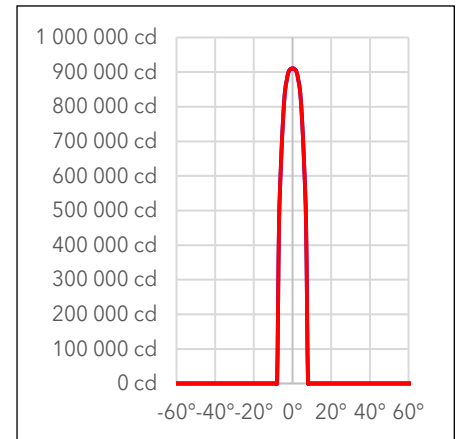
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6321 K
Color Deviation from Black	Duv	-0.0015
Color Coordinate CIE 1931	x	0.3167
	y	0.3238
Color Coordinate	u	0.2026
	v	0.3107

Color rendering index	CRI	71
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	44

*CCT measured in integrating sphere

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

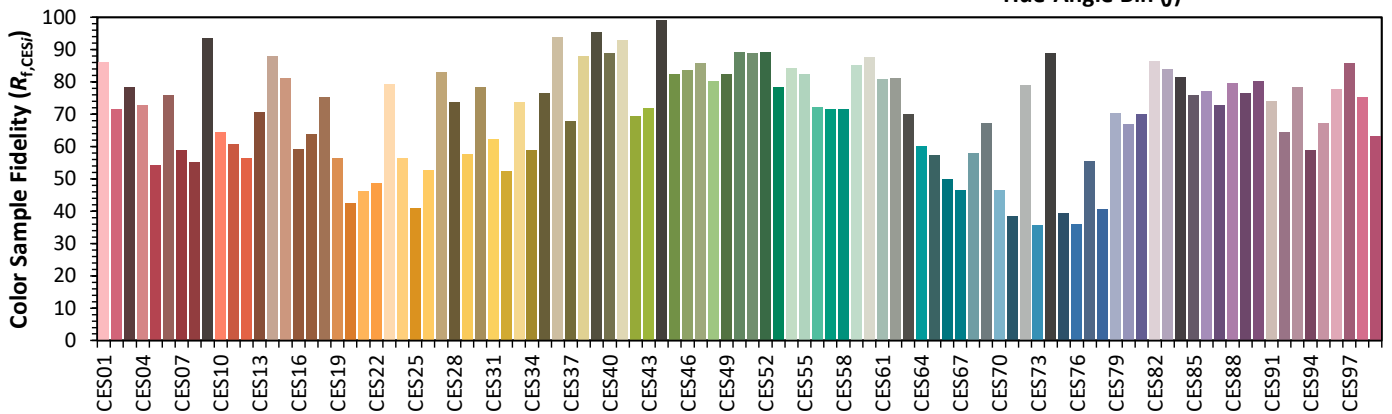
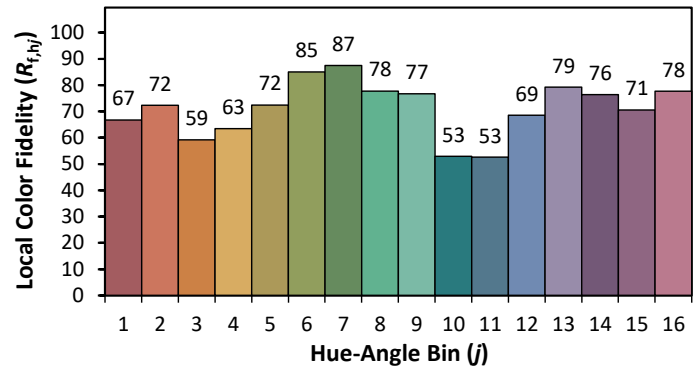
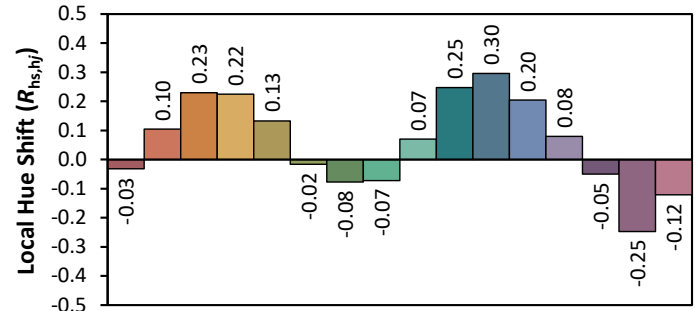
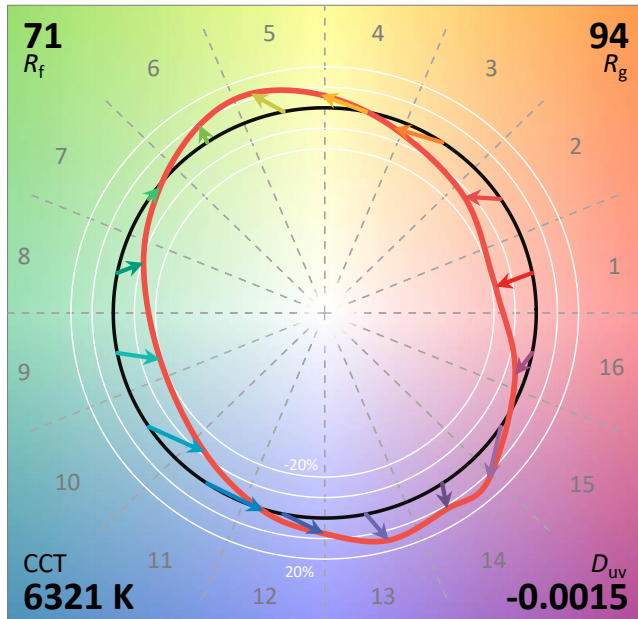
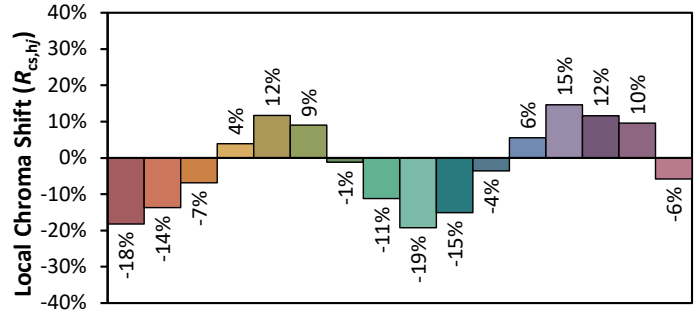
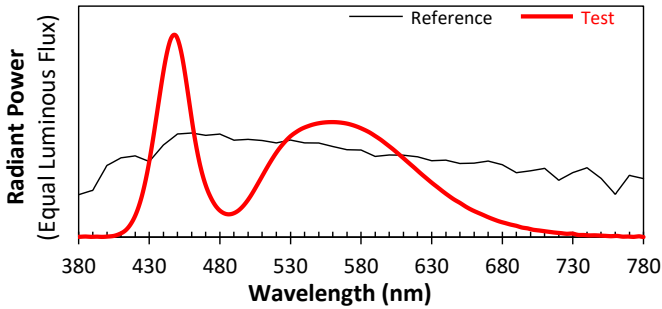
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 70

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3167

y 0.3238

u' 0.2026

v' 0.4661

CIE 13.3-1995
(CRI)

R_a 71

R_g -27

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

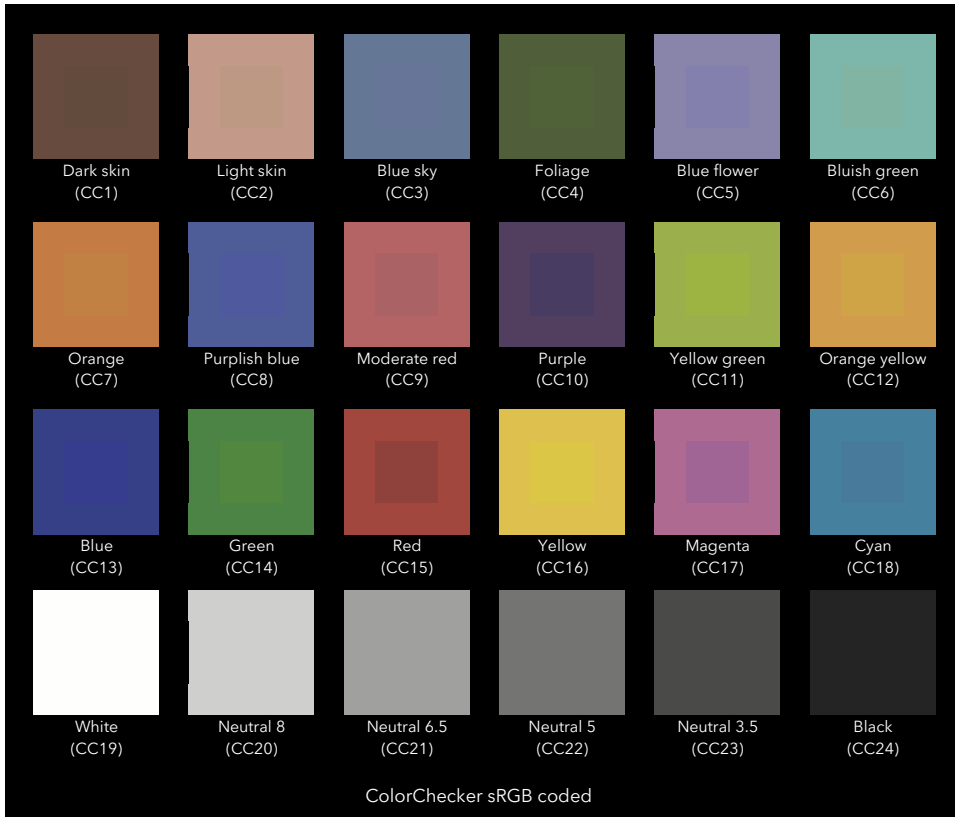
Photometric report

Field angle 15.6° - Mid. zoom - CRI 70

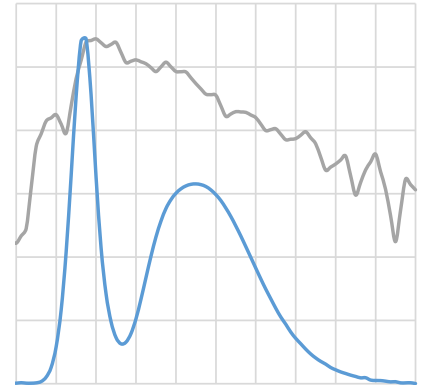
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6321 (-0.3)

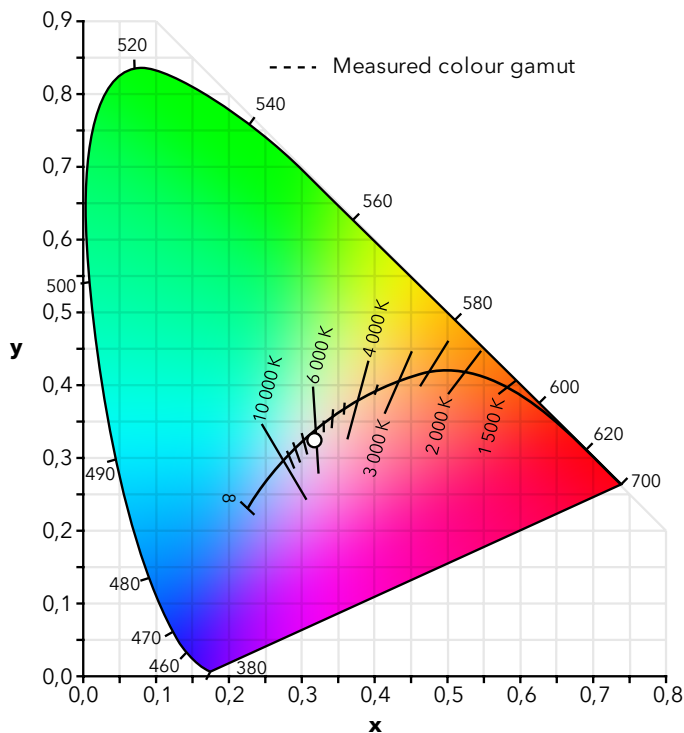
TLCI-2012: 44 (D6321)



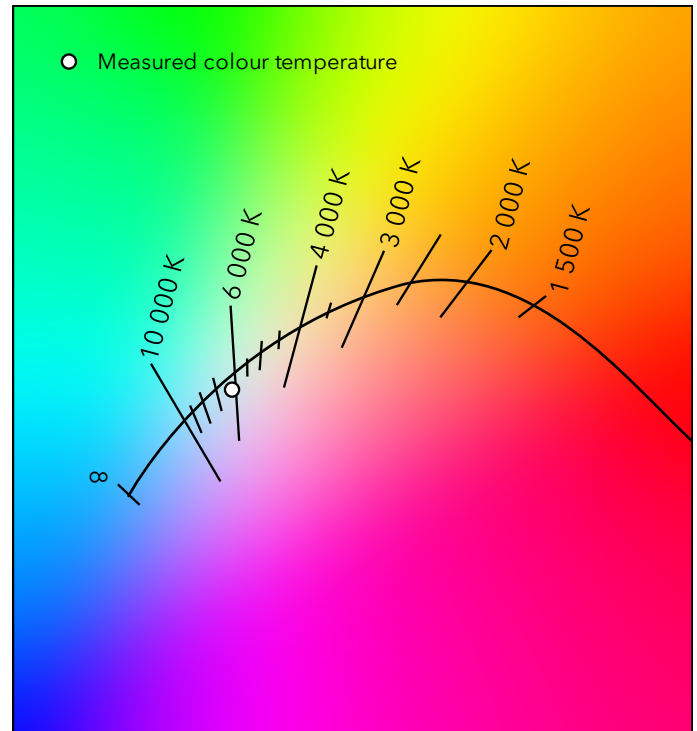
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	0	++++
C	++	0	0
C/B	++++	0	-----
B	0	---	-----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

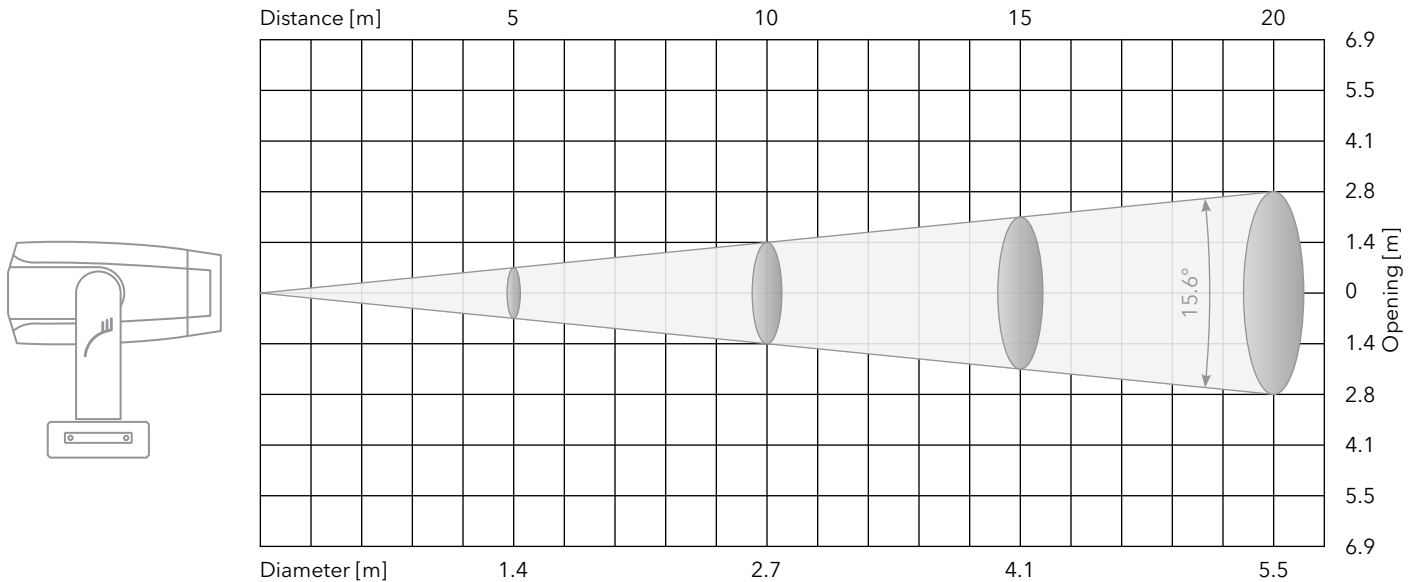
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 80

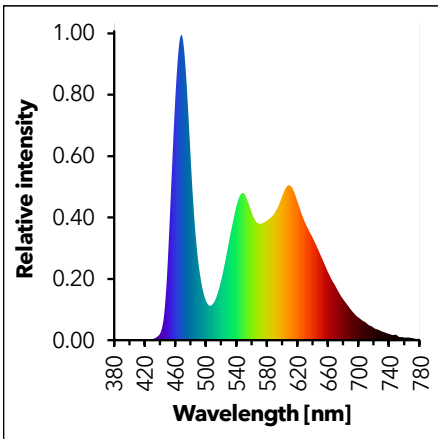
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
15.6°	37603 lm	30082 lm	711425 cd	1173 W



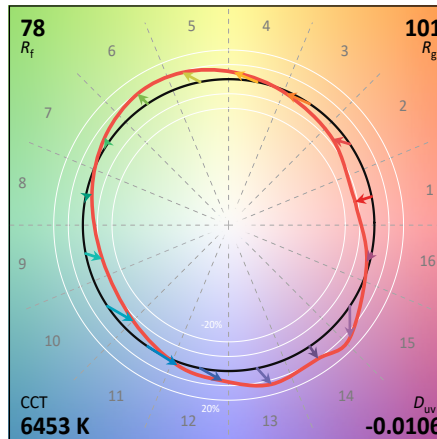
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	28457/2644	7114/661	3162/294	1779/165	790/73	445/41	285/26	30082
Auto Fan Mode	28249/2624	7062/656	3139/292	1766/164	785/73	441/41	282/26	29862
Quiet Fan Mode	18019/1674	4505/419	2002/186	1126/105	501/47	282/26	180/17	19048

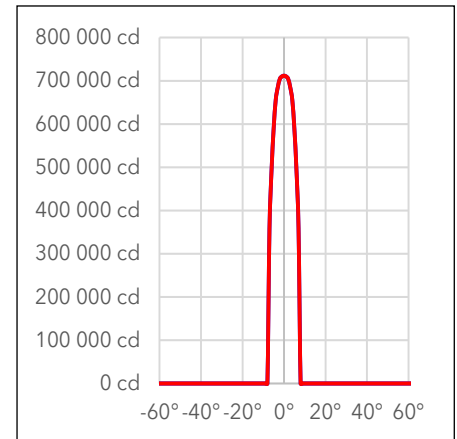
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6453 K
Color Deviation from Black	Duv	-0.0106
Color Coordinate CIE 1931	x	0.3165
	y	0.3070
Color Coordinate	u	0.2093
	v	0.3044

Color rendering index	CRI	83
Red component	CRI R9	20
Color fidelity	TM30 Rf	78
Color gamut	TM30 Rg	101
Television consistency Index	TLCI	60

*CCT measured in integrating sphere

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

Measurement date: 29.08.2023

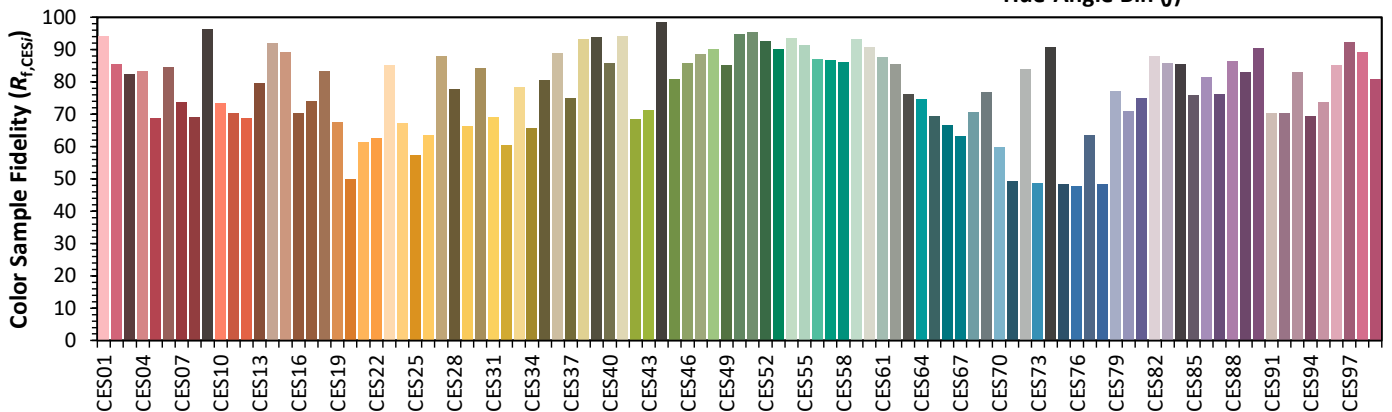
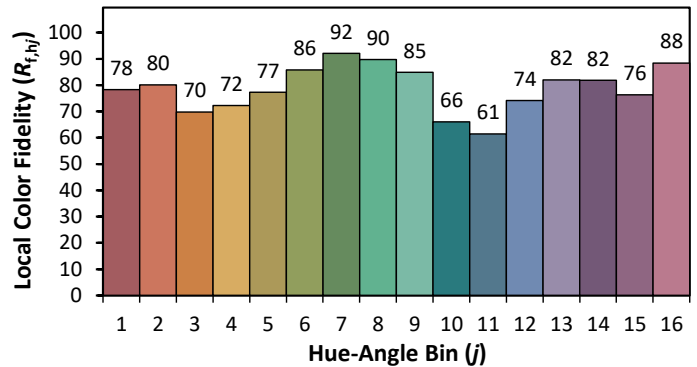
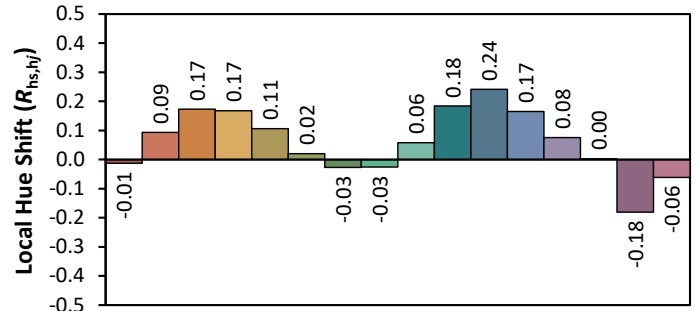
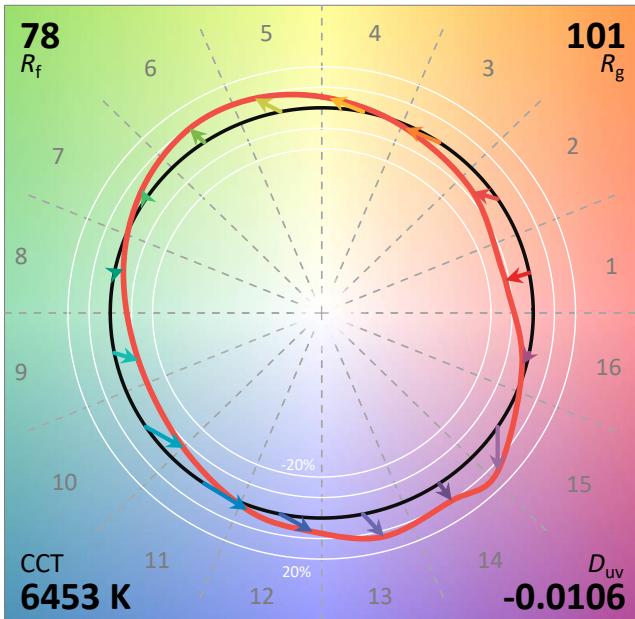
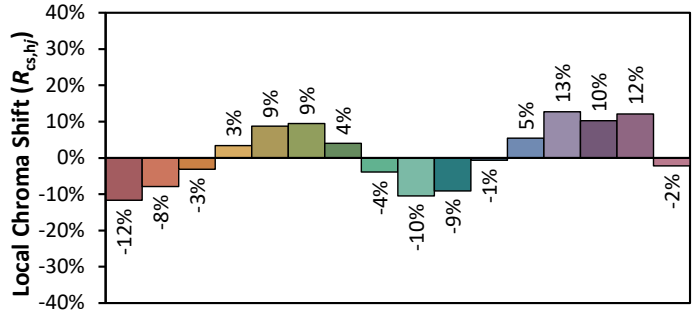
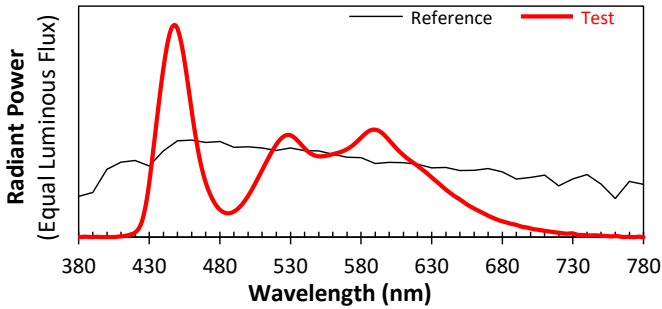


iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 80

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3165

y 0.3070

u' 0.2093

v' 0.4566

CIE 13.3-1995
(CRI)

R_a 83

R_g 20

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

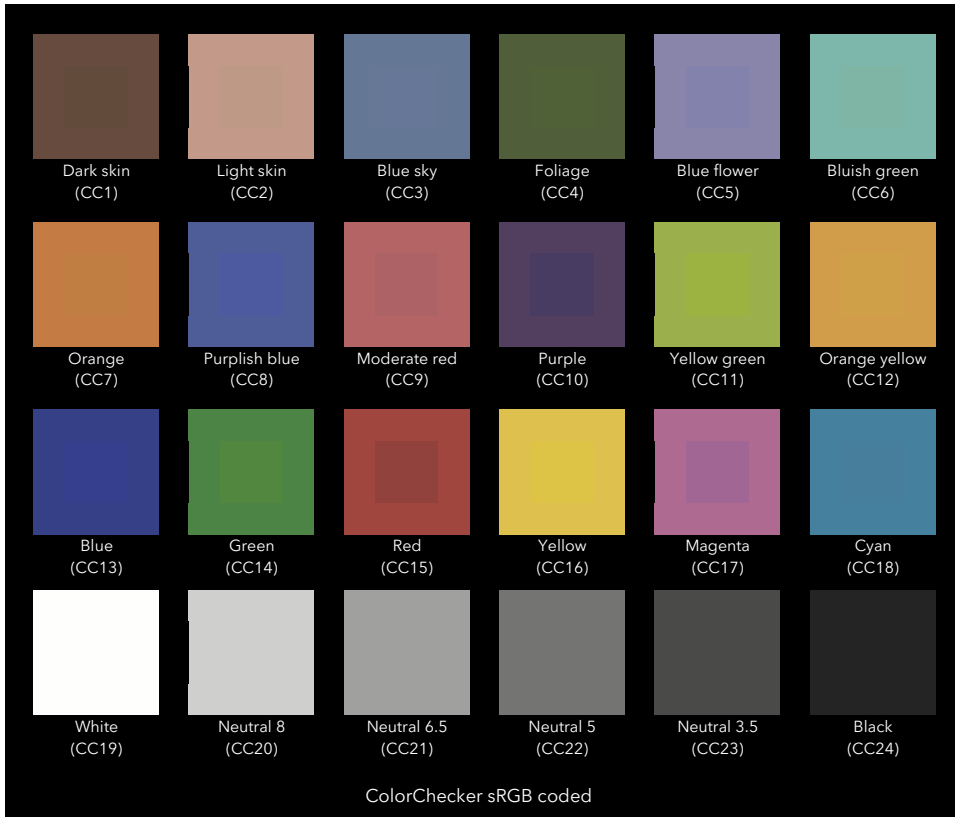
Photometric report

Field angle 15.6° - Mid. zoom - CRI 80

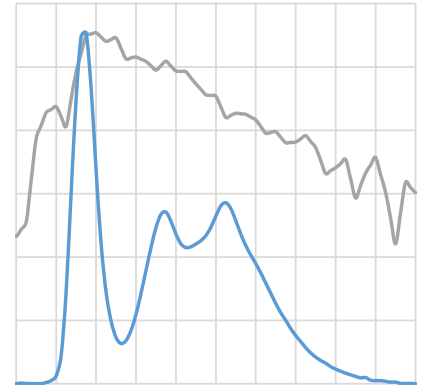
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6453 (-2)

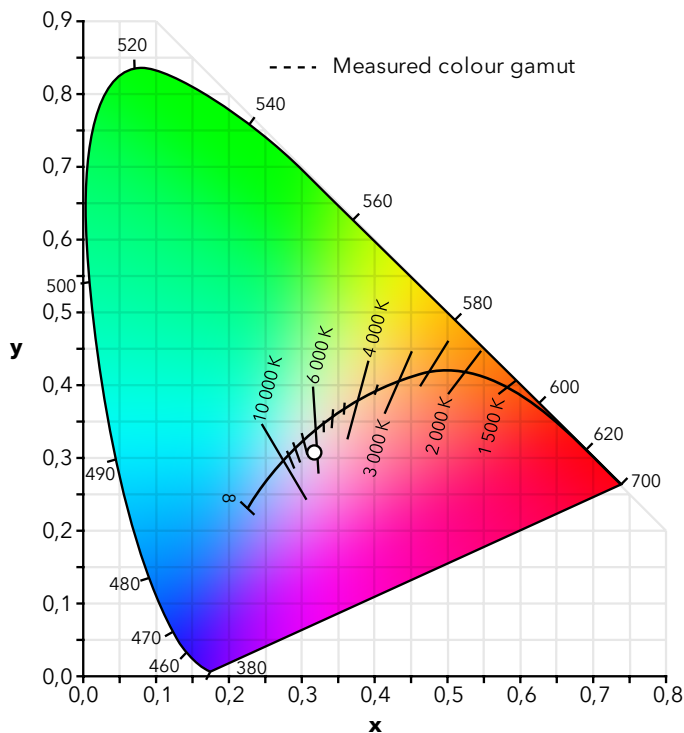
TLCI-2012: 60 (D6453)



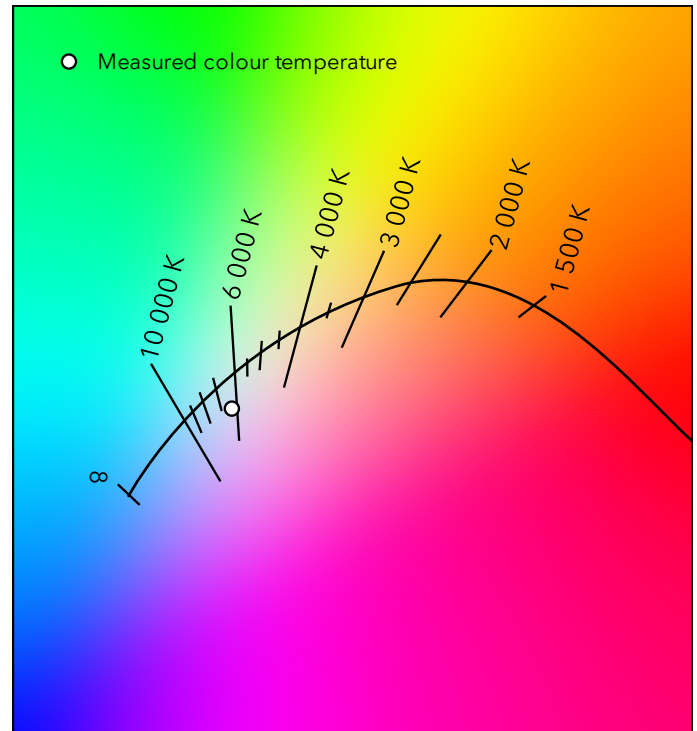
Sector	Lightness	Chroma	Hue
R	++++	++	+
R/Y	0	+	---
Y	-	-	---
Y/G	-	--	0
G	-	--	++
G/C	0	0	++++
C	+	0	+
C/B	++	0	--
B	0	---	--
B/M	+	--	+++++
M	+++	-	+++++
M/R	++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

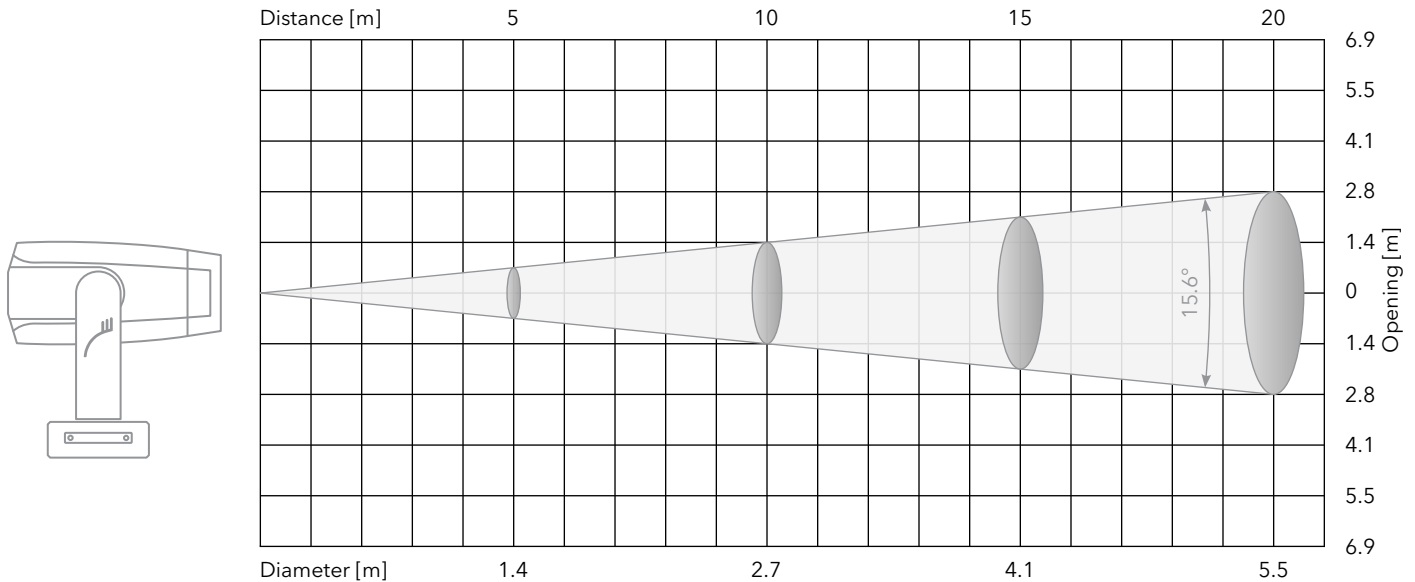
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 90

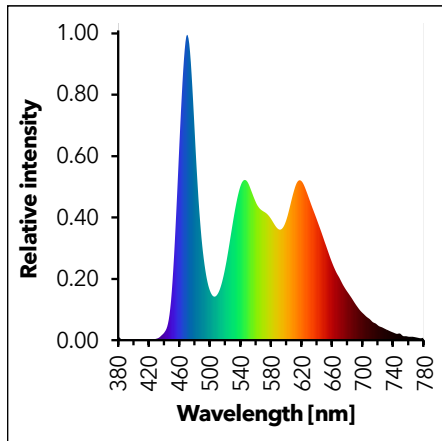
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
15.6°	32894 lm	26315 lm	622350 cd	1173 W



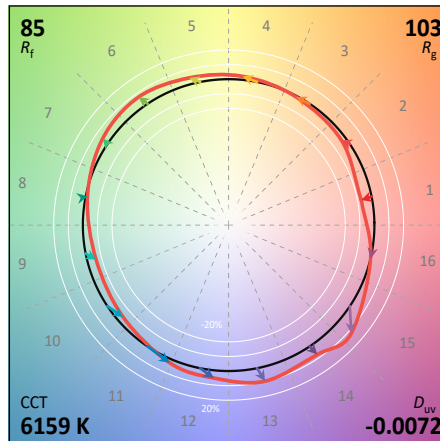
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	24894/2313	6224/578	2766/257	1556/145	692/64	389/36	249/23	26315
Auto Fan Mode	24712/2296	6178/574	2746/255	1545/143	686/64	386/36	247/23	26122
Quiet Fan Mode	15763/1464	3941/366	1751/163	985/92	438/41	246/23	158/15	16663

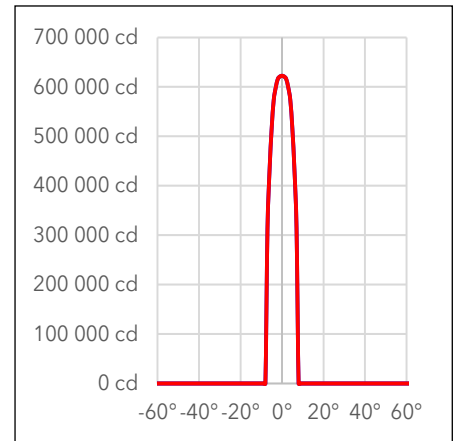
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6159 K
Color Deviation from Black	Duv	-0.0072
Color Coordinate CIE 1931	x	0.3203
	y	0.3167
Color Coordinate	u	0.2080
	v	0.3085

Color rendering index	CRI	89
Red component	CRI R9	46
Color fidelity	TM30 Rf	85
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	76

*CCT measured in integrating sphere

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

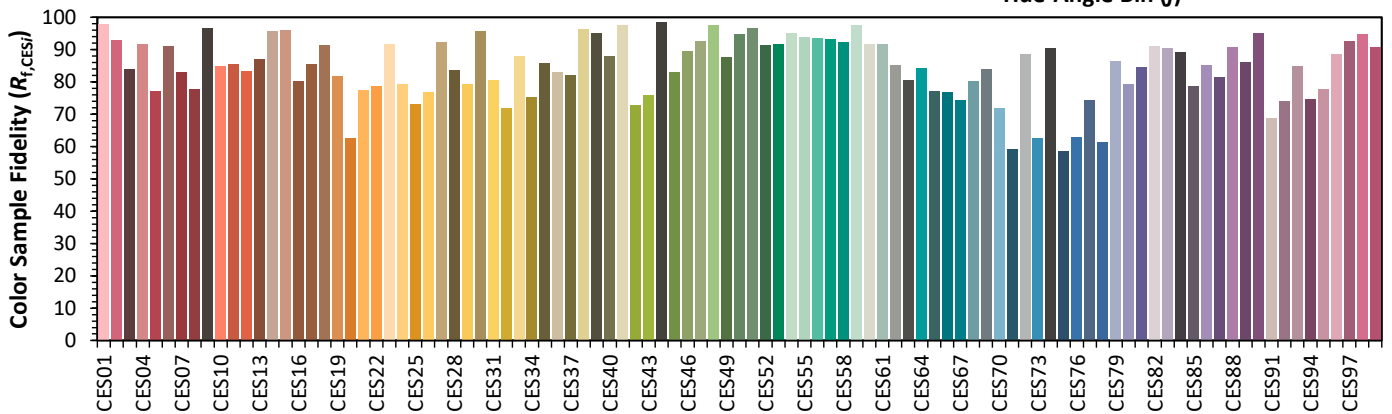
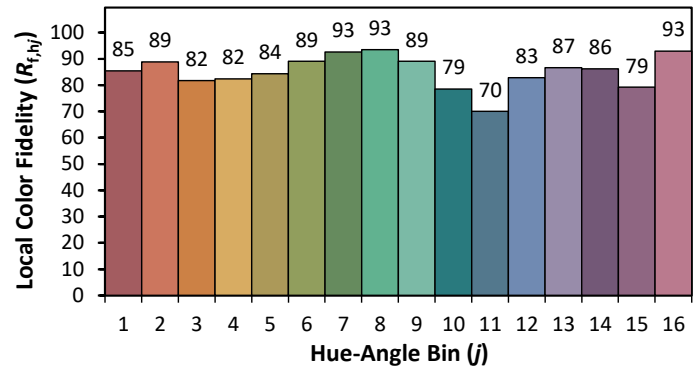
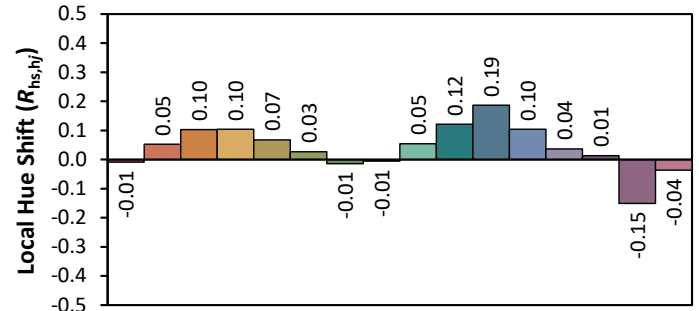
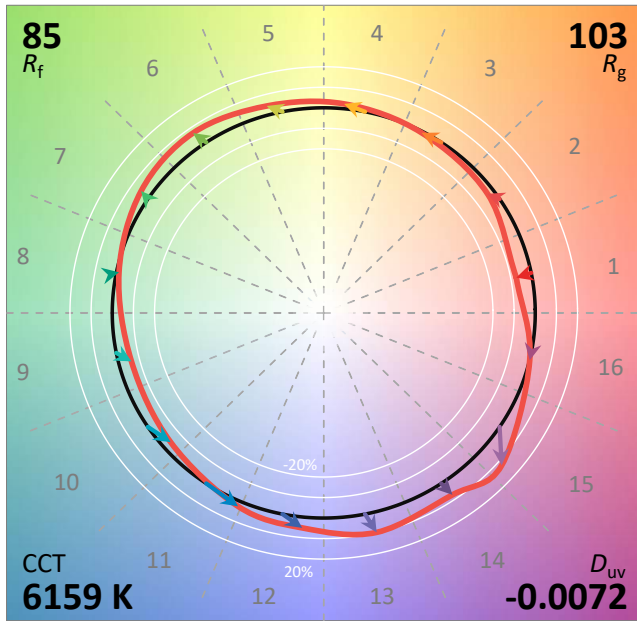
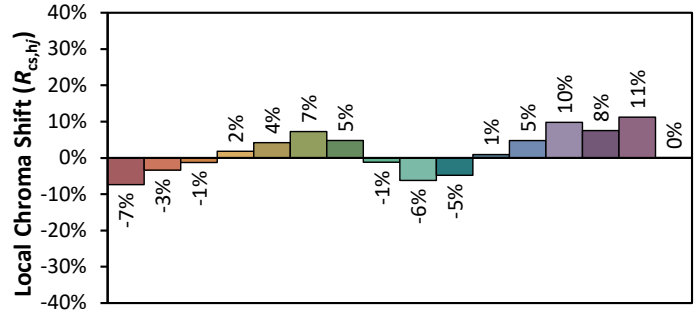
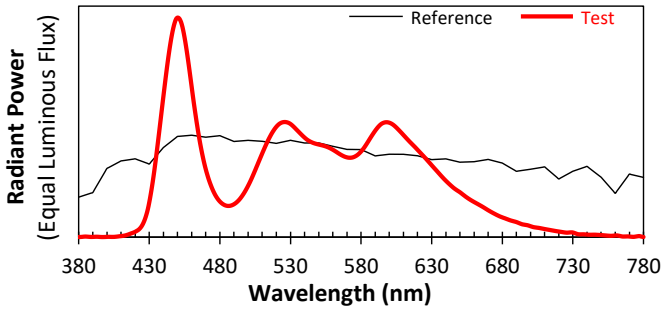
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 15.6° - Mid. zoom - CRI 90

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3203

y 0.3167

u' 0.2080

v' 0.4627

CIE 13.3-1995
(CRI)

R_a 89

R_g 46

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

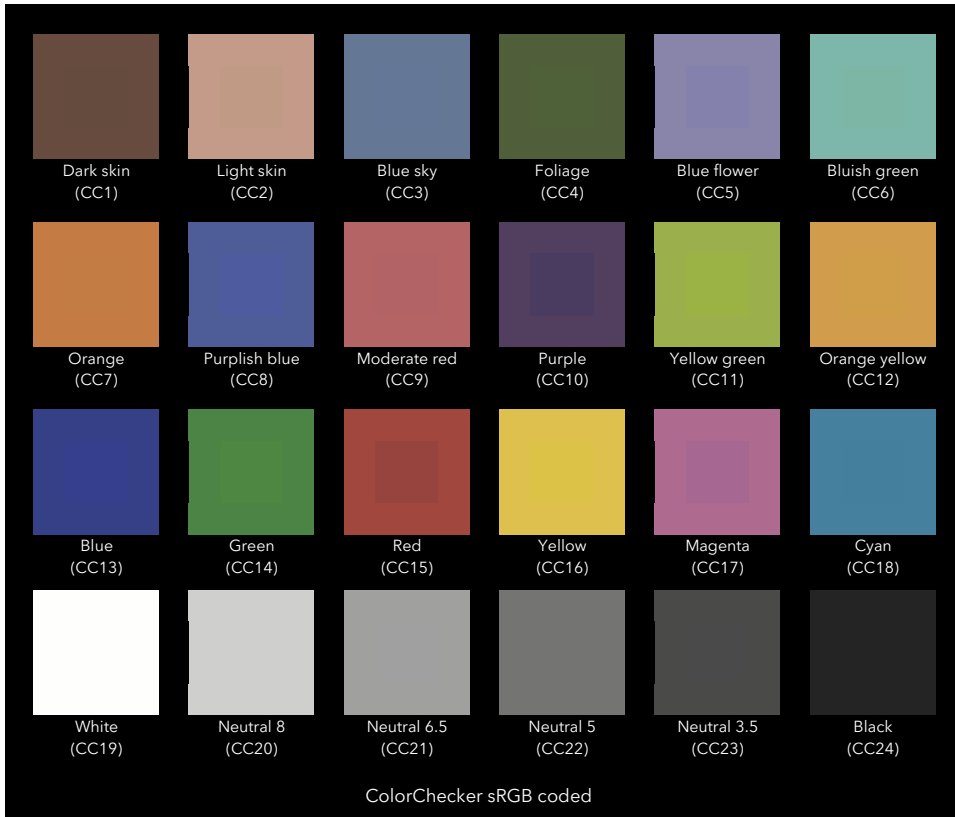
Photometric report

Field angle 15.6° - Mid. zoom - CRI 90

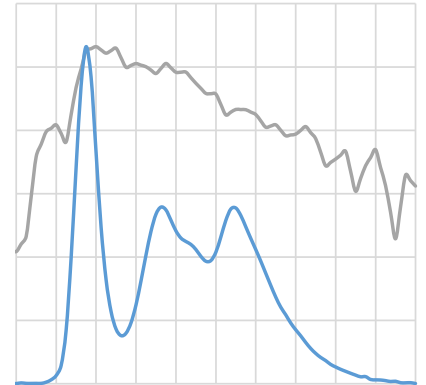
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6159 (-1.3)

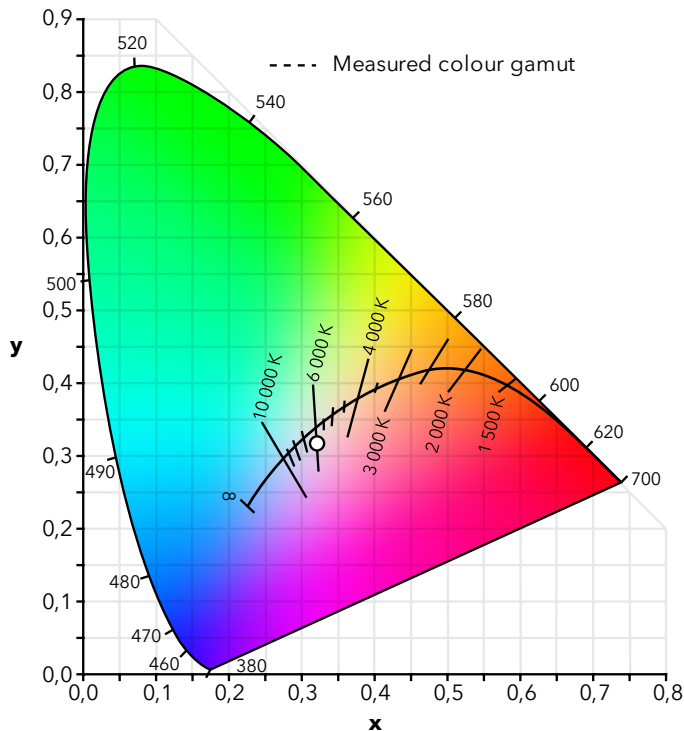
TLCI-2012: 76 (D6159)



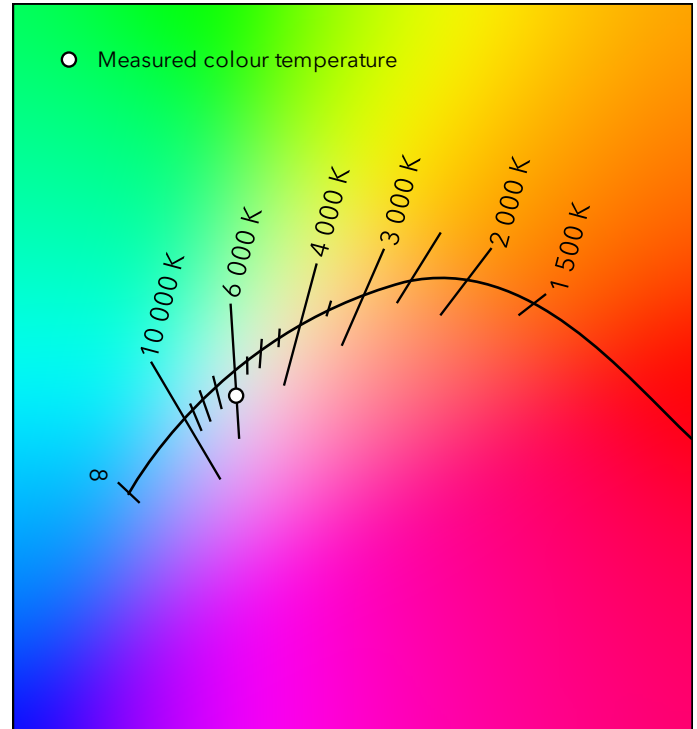
Sector	Lightness	Chroma	Hue
R	++	+	0
R/Y	0	0	--
Y	0	-	-
Y/G	-	--	0
G	-	-	+
G/C	0	0	+++
C	0	0	+
C/B	+	0	0
B	0	--	-
B/M	+	-	++++
M	++	0	++++
M/R	+++	0	++++



CIE 1931 color space gamut



Colour temperature



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

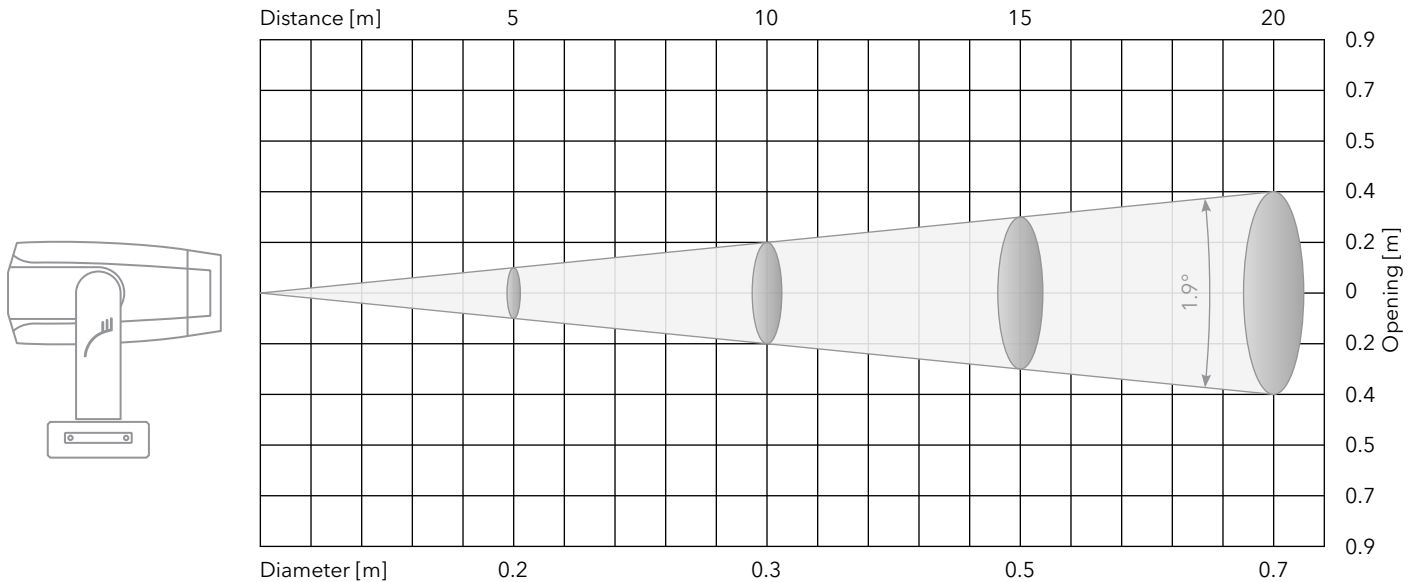
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 1.9° - Min. zoom Narrowed Iris 0

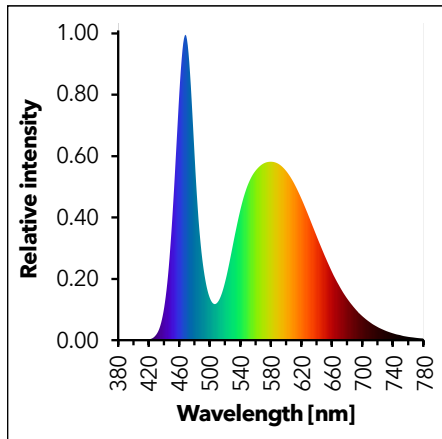
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
1.9°	7222 lm	6878 lm	8534200 cd	1085 W



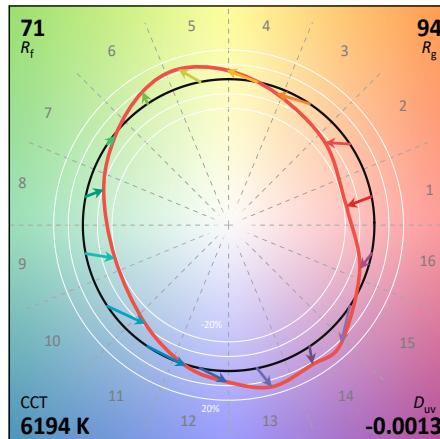
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	341368/31714	85342/7929	37930/3524	21336/1982	9482/881	5334/496	3414/317	6878
Auto Fan Mode	338870/31482	84718/7871	37652/3498	21179/1968	9413/875	5295/492	3389/315	6828
Quiet Fan Mode	217751/20230	54438/5057	24195/2248	13609/1264	6049/562	3402/316	2178/202	4387

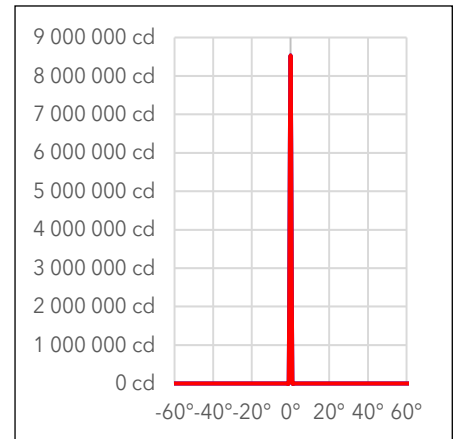
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6194 K
Color Deviation from Black	Duv	-0.0013
Color Coordinate CIE 1931	x	0.3188
	y	0.3261
Color Coordinate	u	0.2032
	v	0.3118

Color rendering index	CRI	72
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	45

*CCT measured in integrating sphere

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

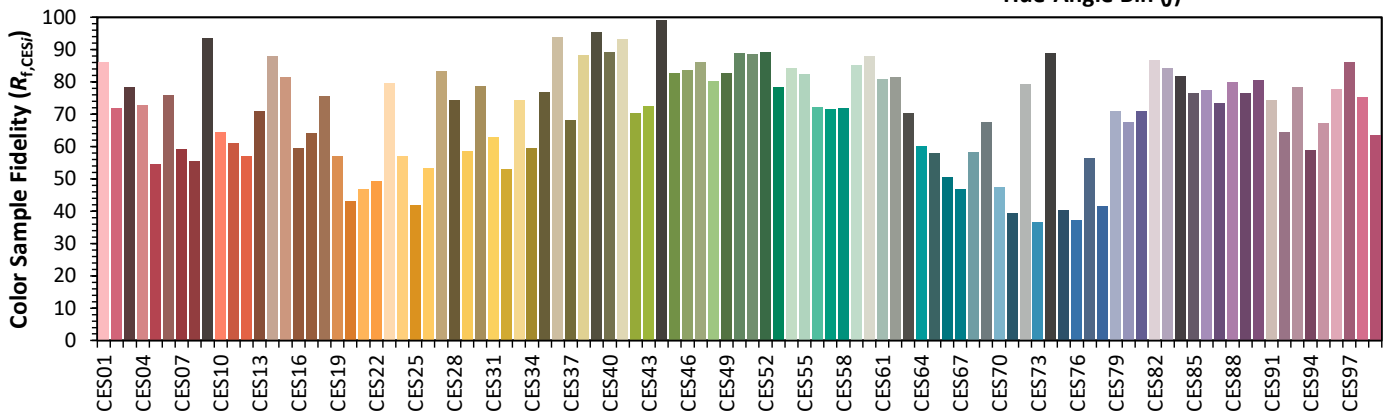
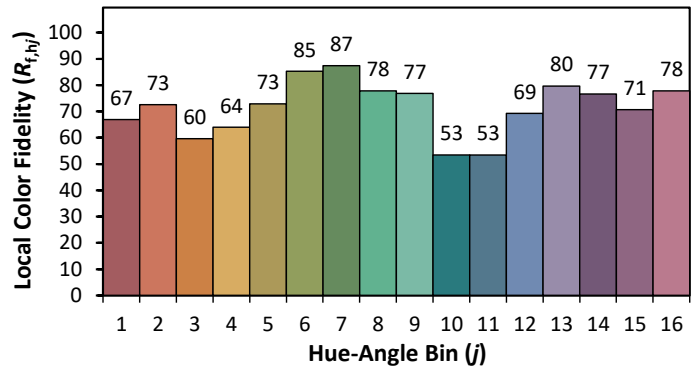
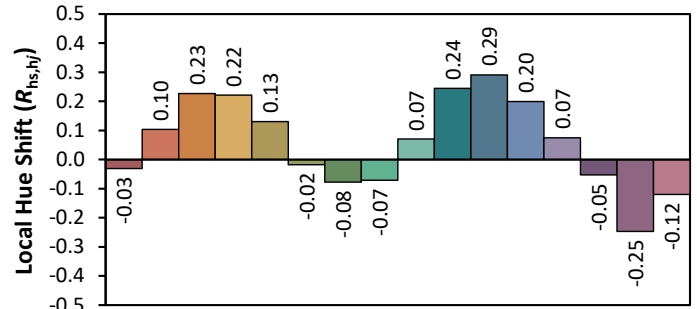
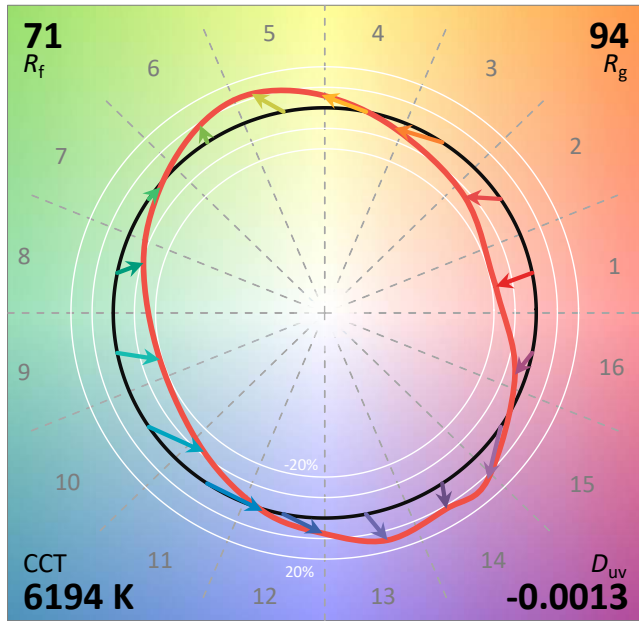
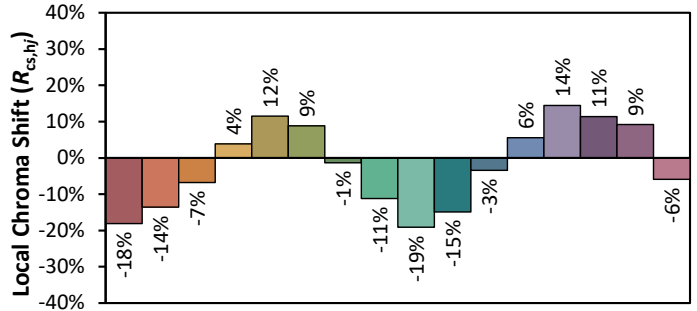
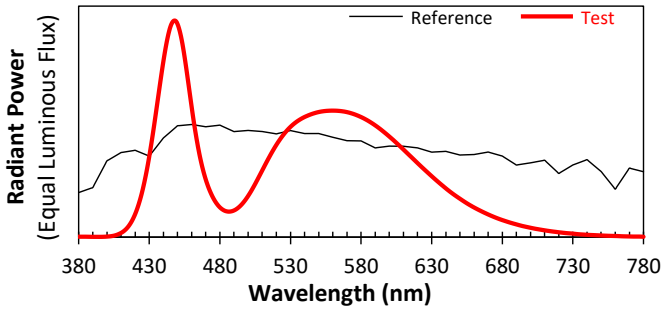
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 1.9° - Min. zoom Narrowed Iris 0

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3188

y 0.3261

u' 0.2032

v' 0.4677

CIE 13.3-1995
(CRI)

R_a 72

R_g -27

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

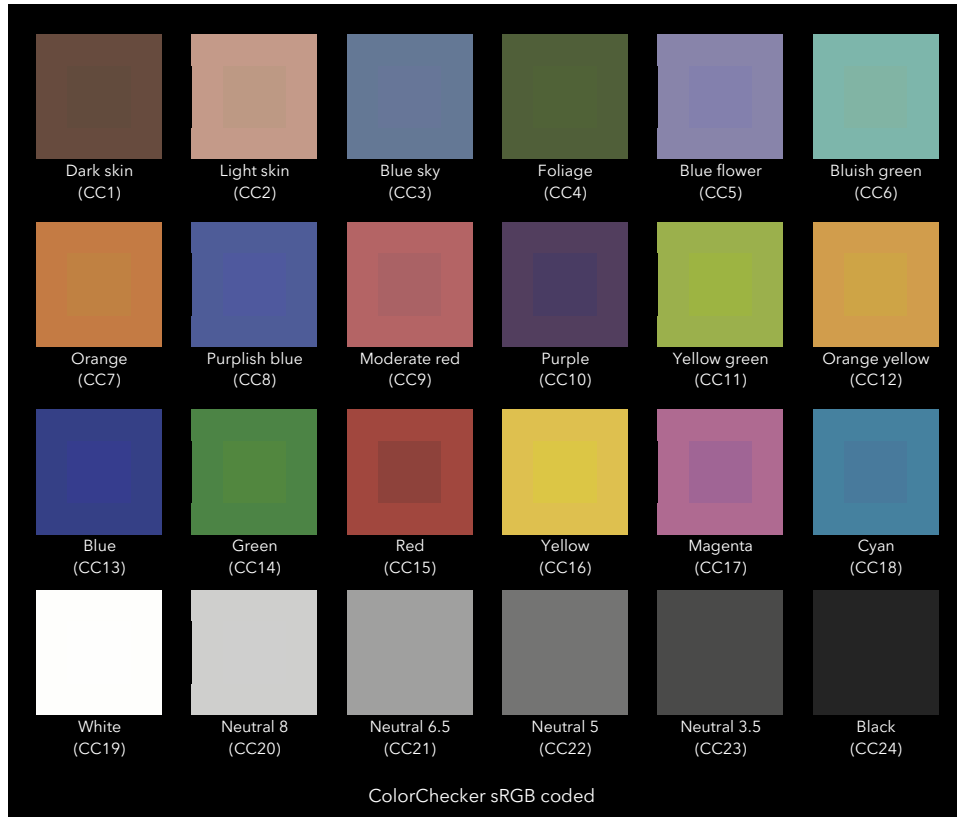
Photometric report

Field angle 1.9° - Min. zoom Narrowed Iris 0

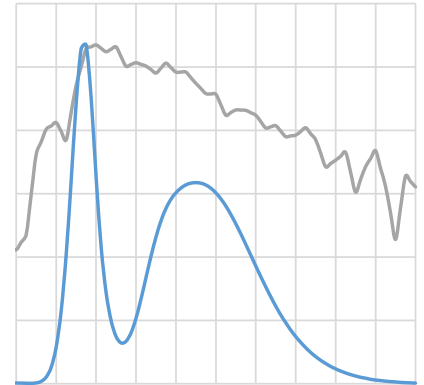
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6194 (-0.2)

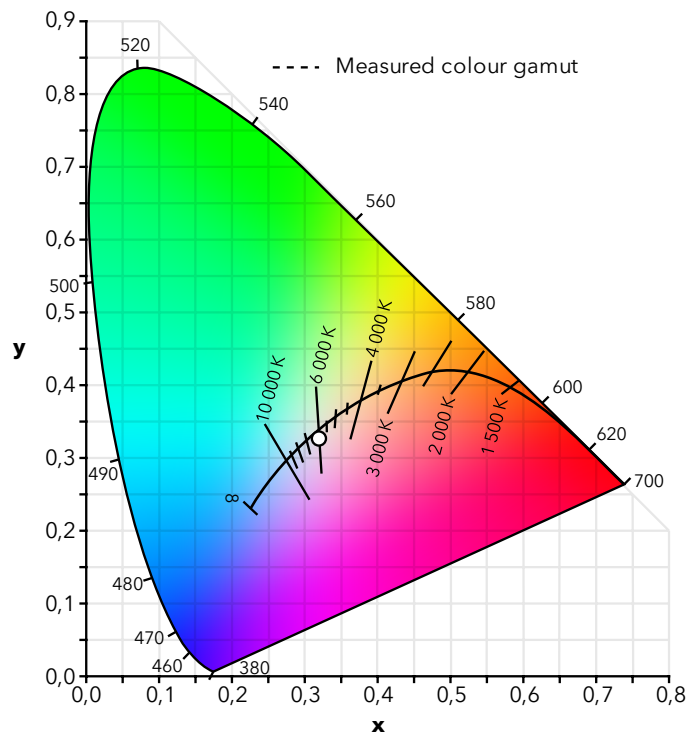
TLCI-2012: 45 (D6194)



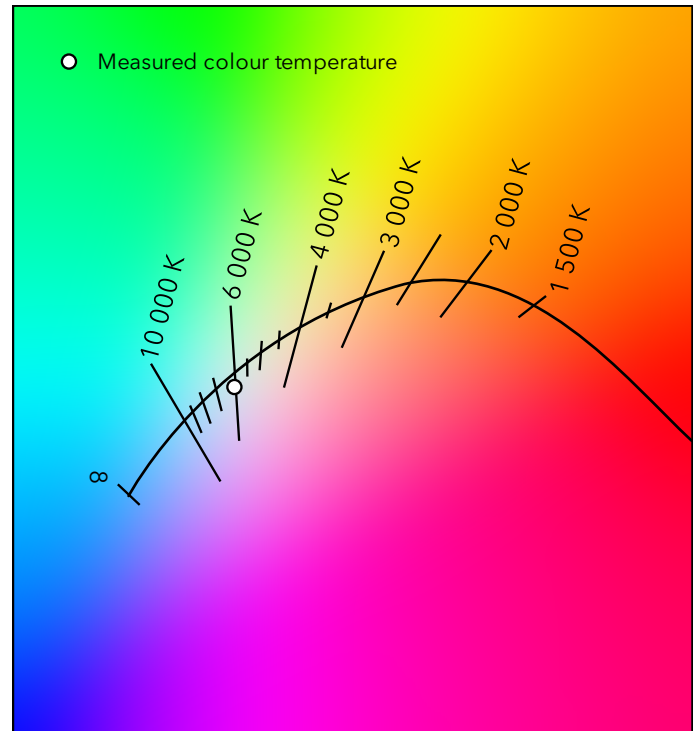
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	+	+++++
C	++	0	0
C/B	+++++	0	-----
B	0	---	-----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

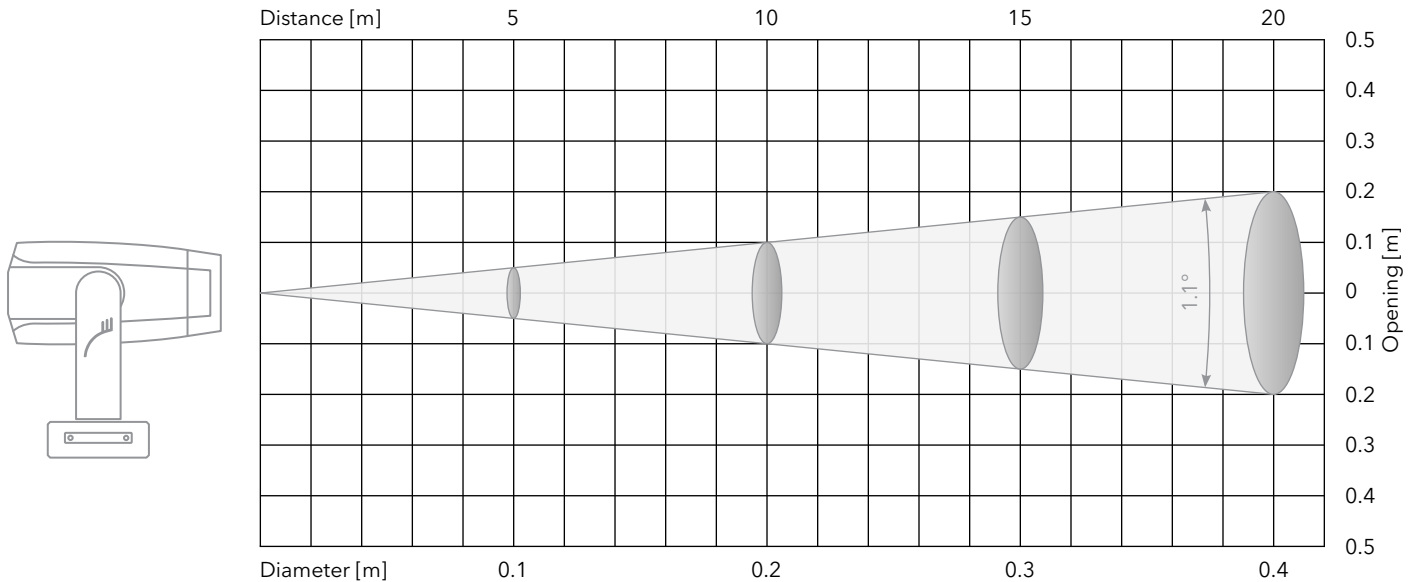
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 1.1° - Min. zoom Narrowed Iris 128

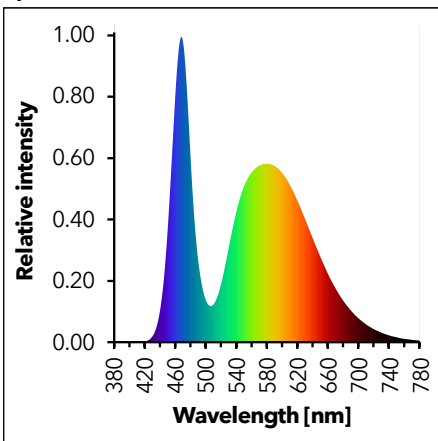
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
1.1°	2662 lm	2535 lm	8849025 cd	1085 W



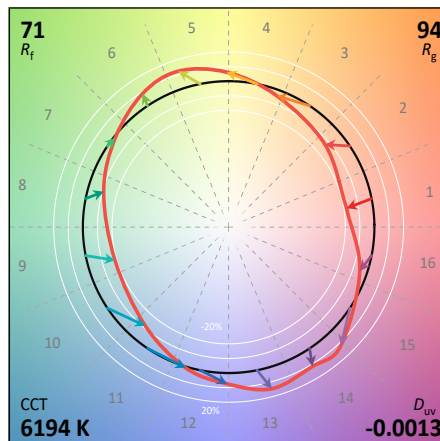
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	353961/32884	88490/8221	39329/3654	22123/2055	9832/913	5531/514	3540/329	2535
Auto Fan Mode	351371/32643	87843/8161	39041/3627	21961/2040	9760/907	5490/510	3514/326	2516
Quiet Fan Mode	225784/20976	56446/5244	25087/2331	14112/1311	6272/583	3528/328	2258/210	1617

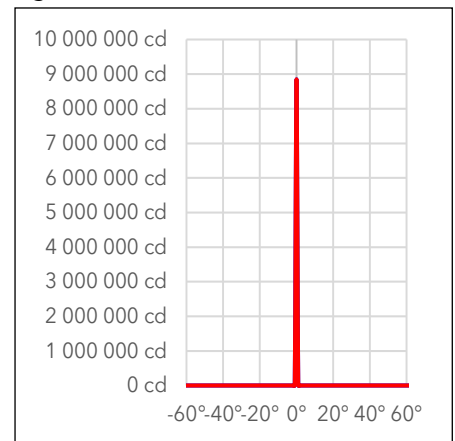
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6194 K
Color Deviation from Black	Duv	-0.0013
Color Coordinate CIE 1931	x	0.3188
	y	0.3261
Color Coordinate	u	0.2032
	v	0.3118

Color rendering index	CRI	72
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	45

*CCT measured in integrating sphere

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

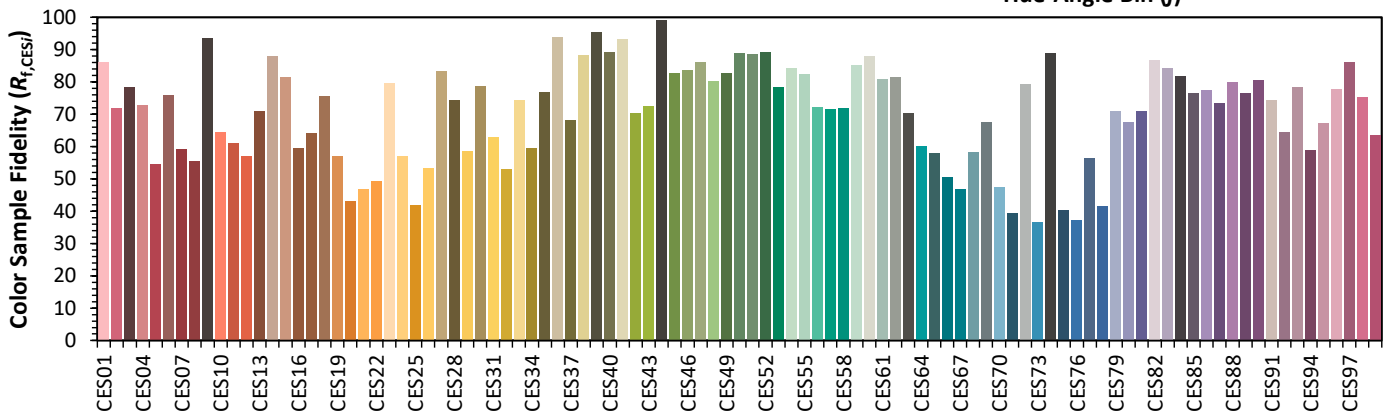
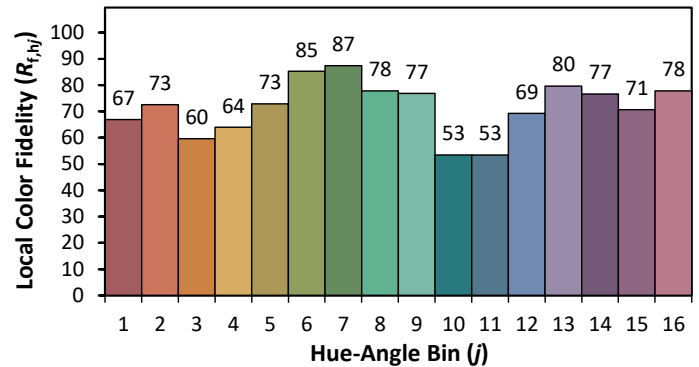
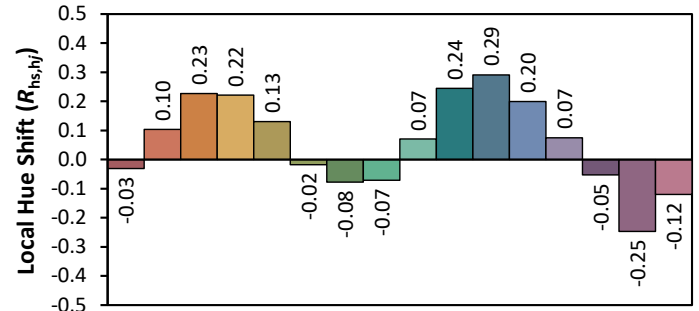
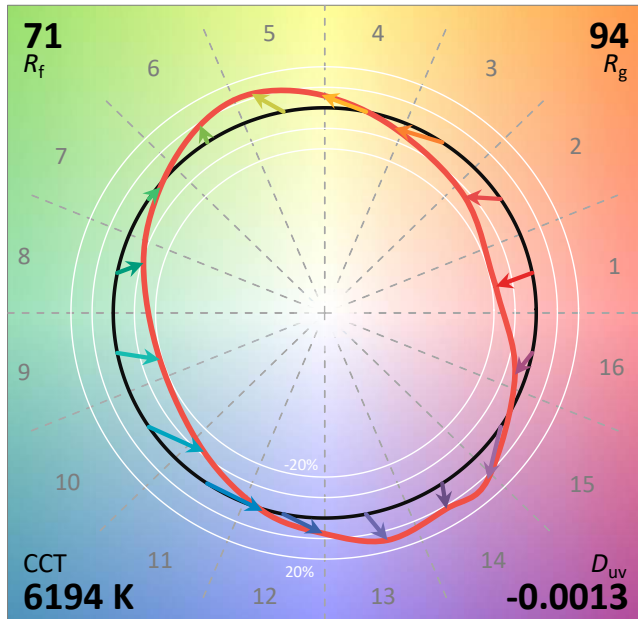
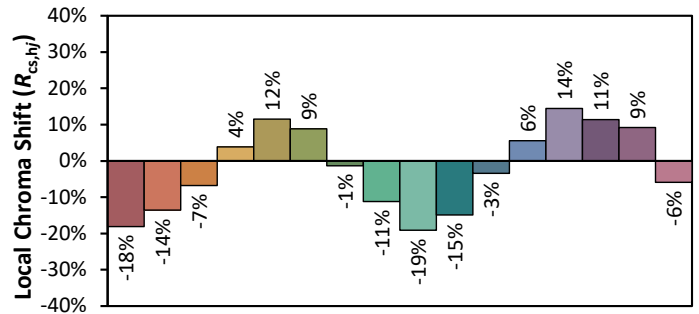
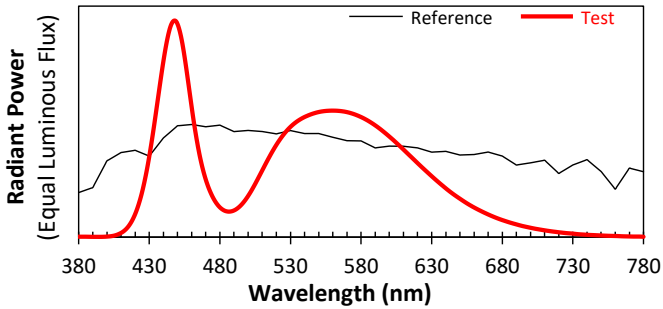
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 1.1° - Min. zoom Narrowed Iris 128

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3188
y 0.3261
 u' 0.2032
 v' 0.4677

CIE 13.3-1995
(CRI)

R_a 72

R_g -27

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

Measurement date: 29.08.2023

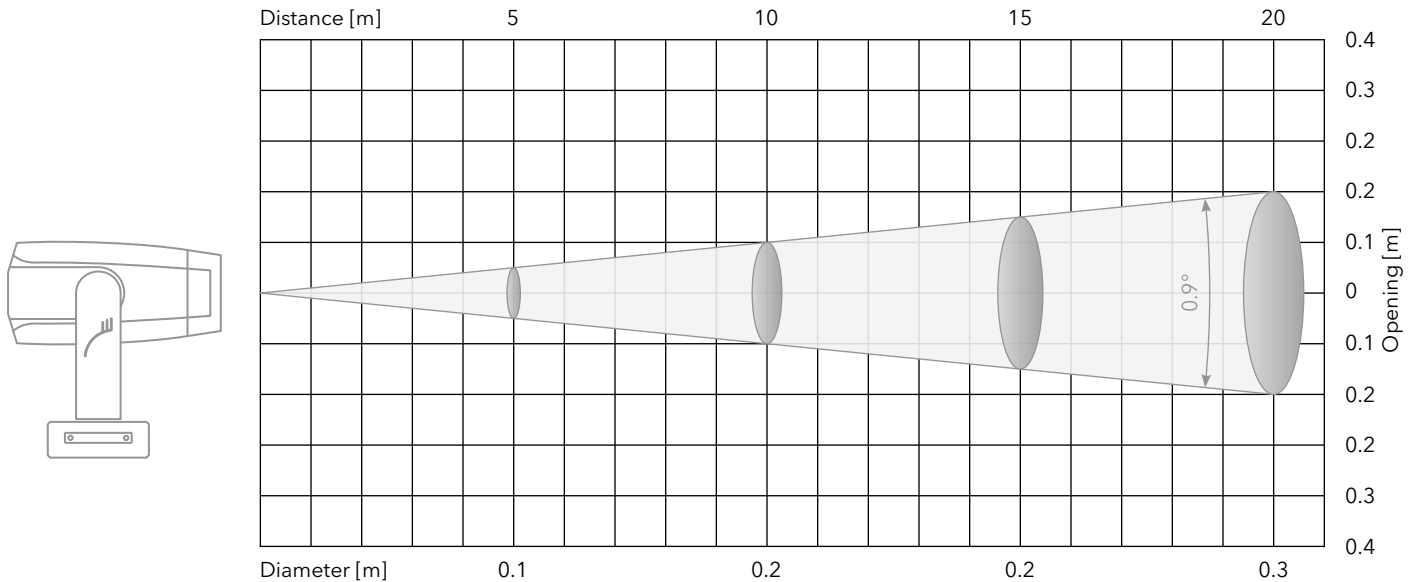
ROBE

iForte LTX WB

Photometric report

Field angle 0.9° - Min. zoom Narrowed Iris 160

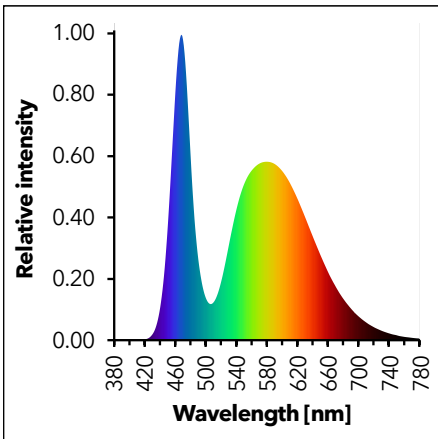
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
0.9°	1259 lm	1199 lm	8842075 cd	1085 W



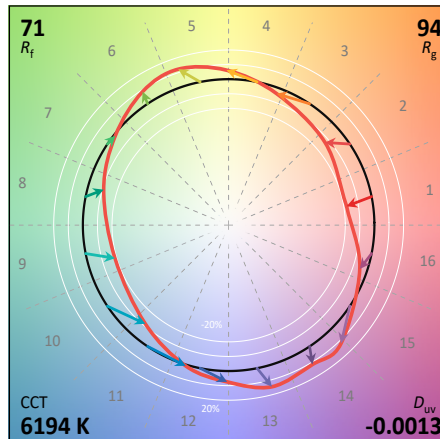
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	353683/32858	88421/8215	39298/3651	22105/2054	9825/913	5526/513	3537/329	1199
Auto Fan Mode	351095/32618	87774/8154	39011/3624	21943/2039	9753/906	5486/510	3511/326	1190
Quiet Fan Mode	225606/20959	56402/5240	25067/2329	14100/1310	6267/582	3525/327	2256/210	765

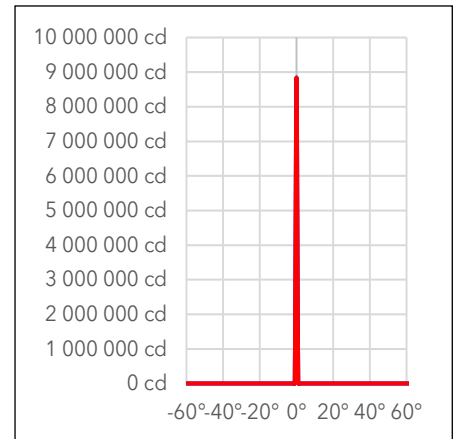
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6194 K
Color Deviation from Black	Duv	-0.0013
Color Coordinate CIE 1931	x	0.3188
	y	0.3261
Color Coordinate	u	0.2032
	v	0.3118

Color rendering index	CRI	72
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	45

*CCT measured in integrating sphere

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

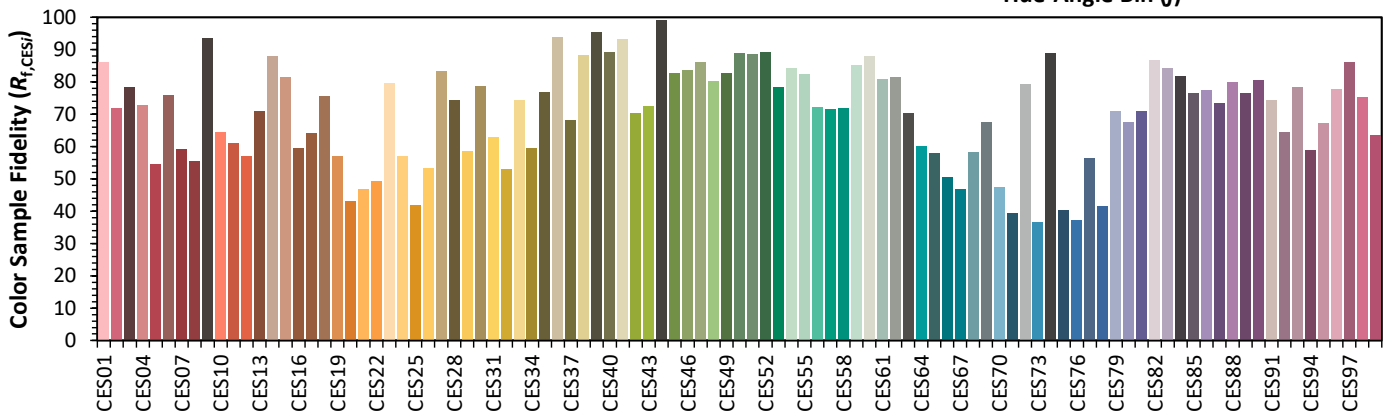
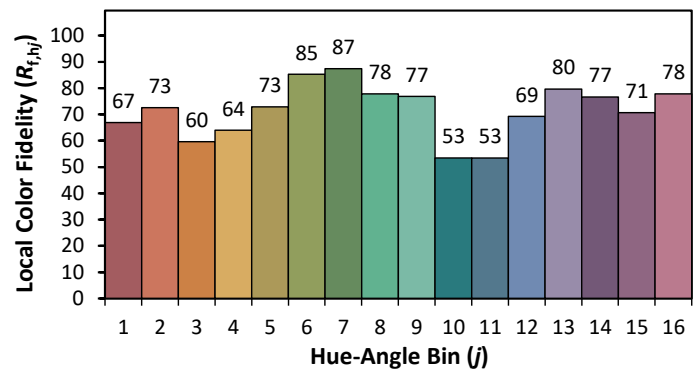
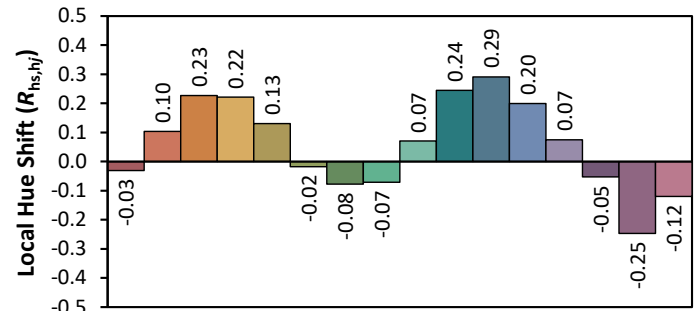
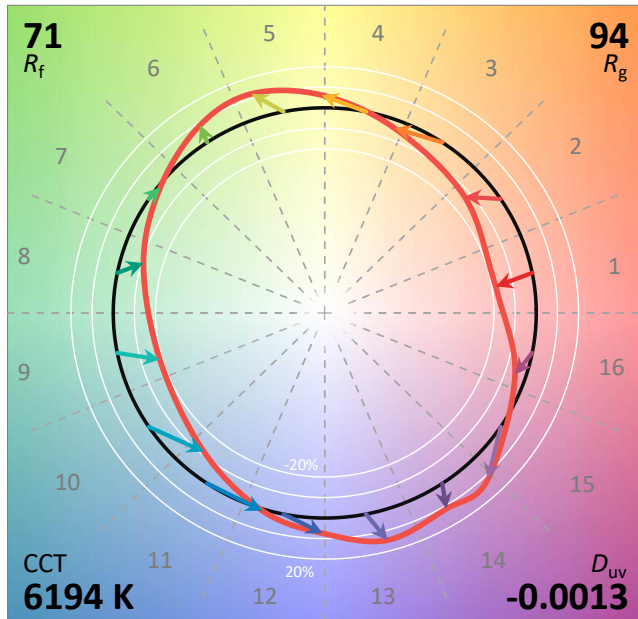
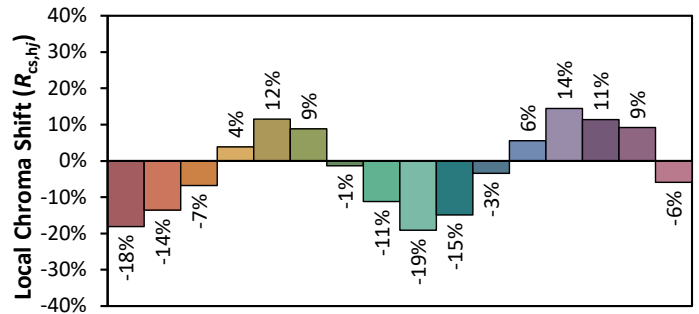
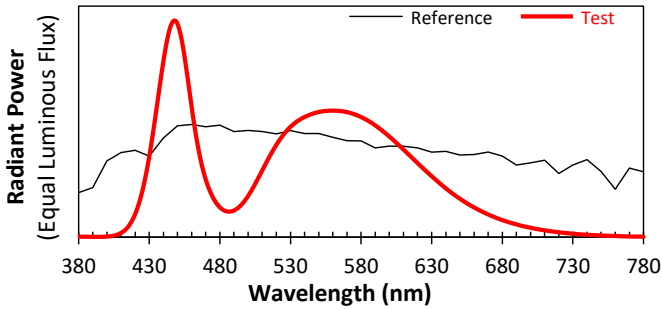
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 0.9° - Min. zoom Narrowed Iris 160

ANSI/IES TM-30-18 Color Rendition Report



Notes:

x 0.3188
y 0.3261
 u' 0.2032
 v' 0.4677

CIE 13.3-1995
(CRI)

R_a 72

R_g -27

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

Measurement date: 29.08.2023

ROBE

iForte LTX WB

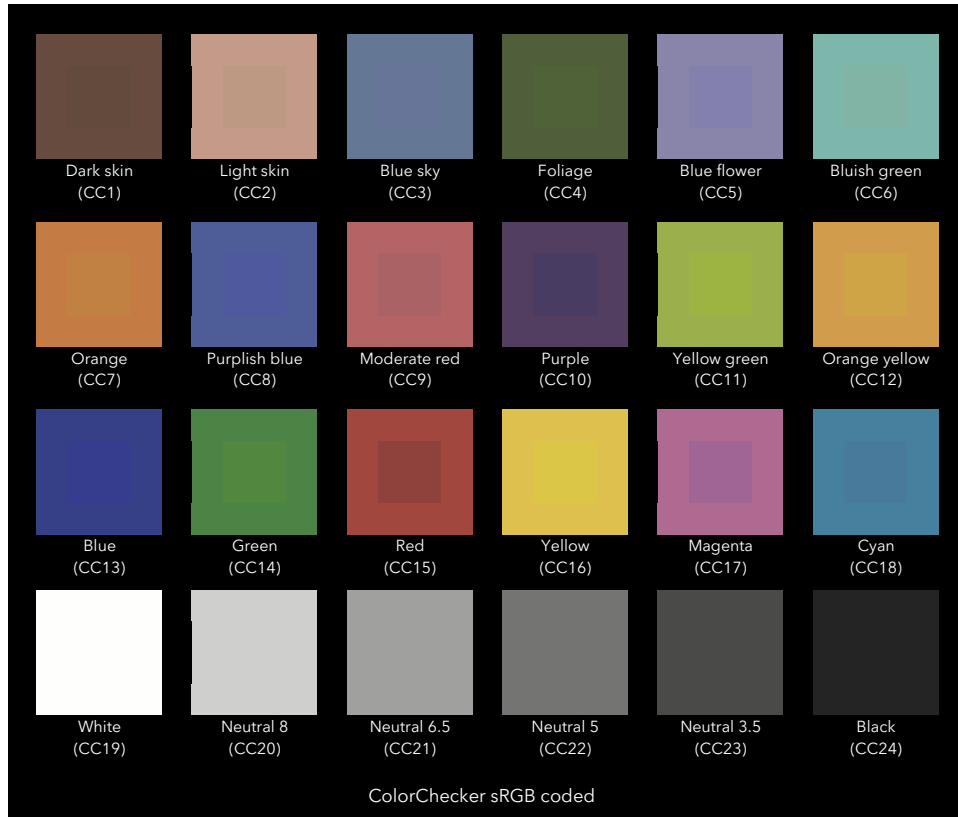
Photometric report

Field angle 0.9° - Min. zoom Narrowed Iris 160

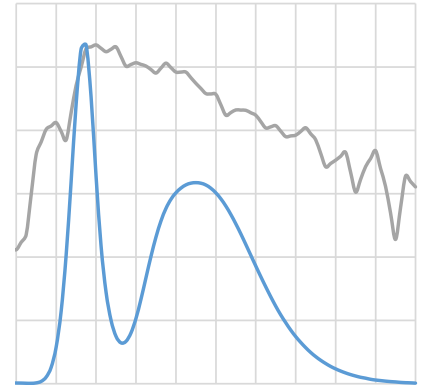
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6194 (-0.2)

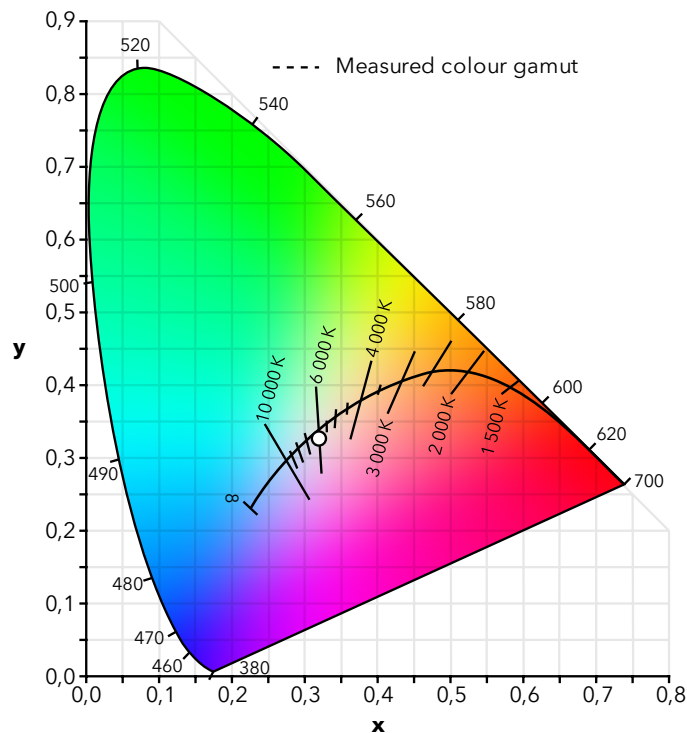
TLCI-2012: 45 (D6194)



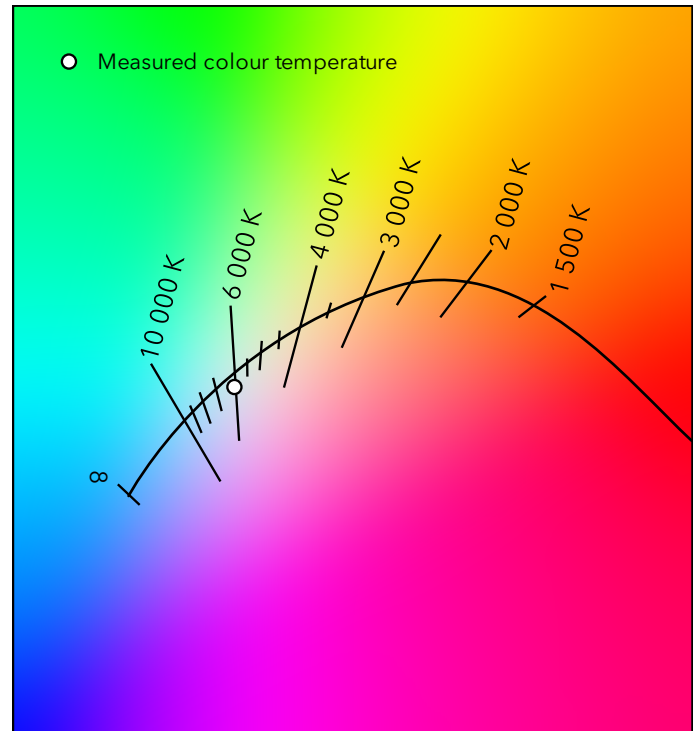
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	+	++++
C	++	0	0
C/B	++++	0	----
B	0	---	----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

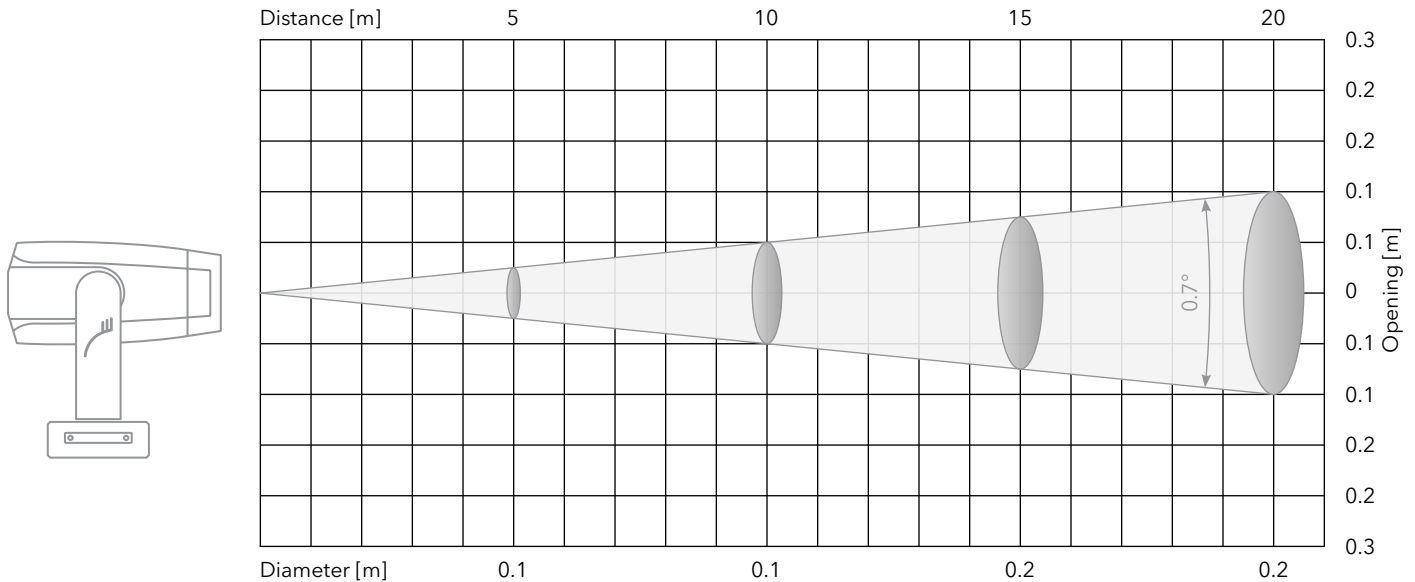
ROBE

iForte LTX WB

Photometric report

Field angle 0.7° - Min. zoom Narrowed Iris 179

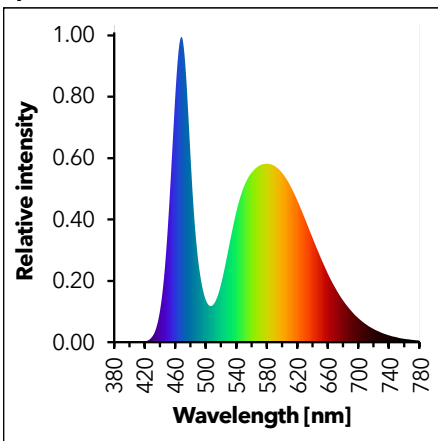
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
0.7°	1179 lm	1123 lm	8918225 cd	1085 W



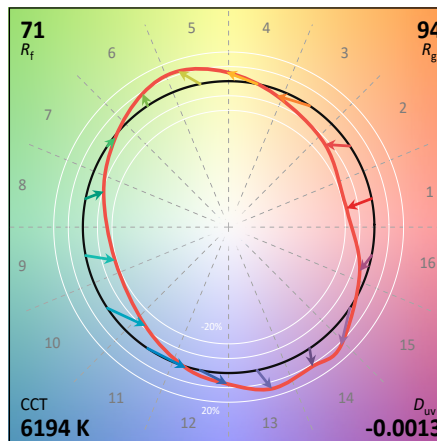
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High Fan Mode	356729/33141	89182/8285	39637/3682	22296/2071	9909/921	5574/518	3567/331	1123
Auto Fan Mode	354119/32899	88530/8225	39347/3655	22132/2056	9837/914	5533/514	3541/329	1115
Quiet Fan Mode	227550/21140	56888/5285	25283/2349	14222/1321	6321/587	3555/330	2276/211	716

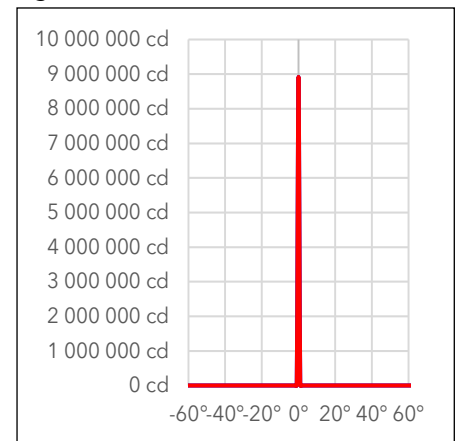
Spectrum



TM-30



Light distribution



Color temperature	CCT*	6194 K
Color Deviation from Black	Duv	-0.0013
Color Coordinate CIE 1931	x	0.3188
	y	0.3261
Color Coordinate	u	0.2032
	v	0.3118

Color rendering index	CRI	72
Red component	CRI R9	-27
Color fidelity	TM30 Rf	71
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	45

*CCT measured in integrating sphere

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

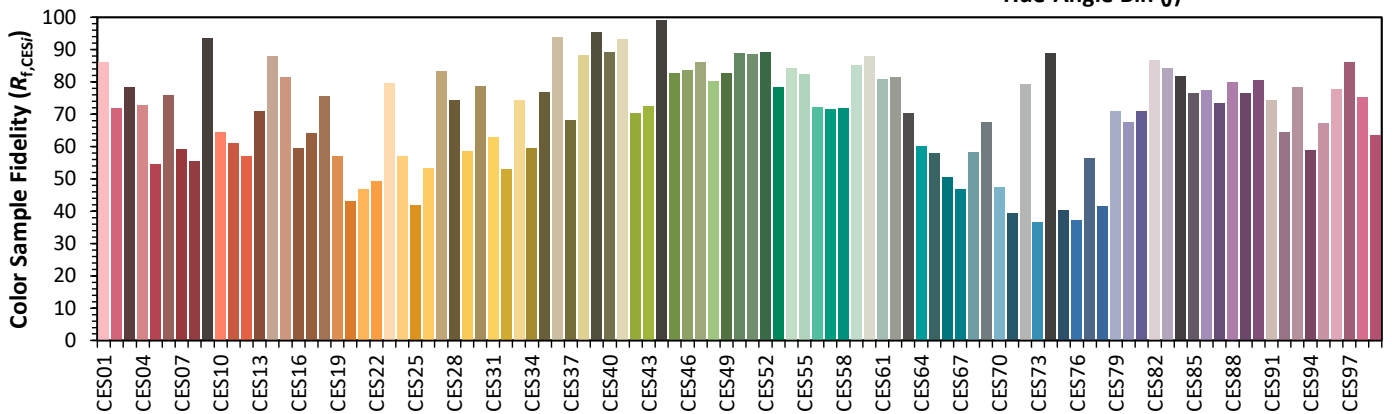
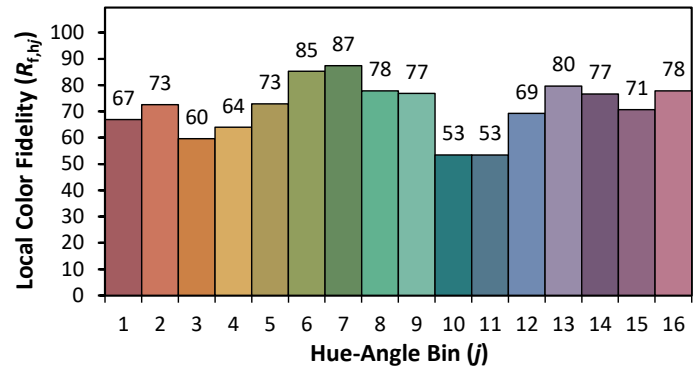
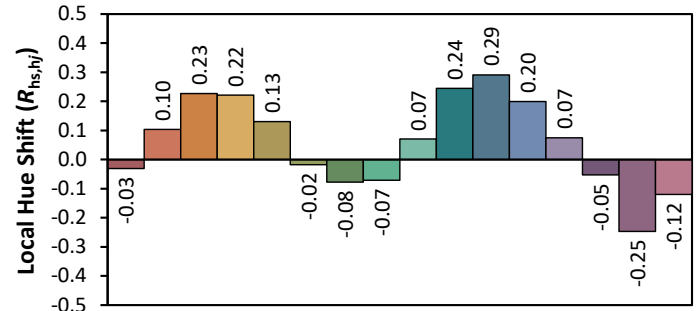
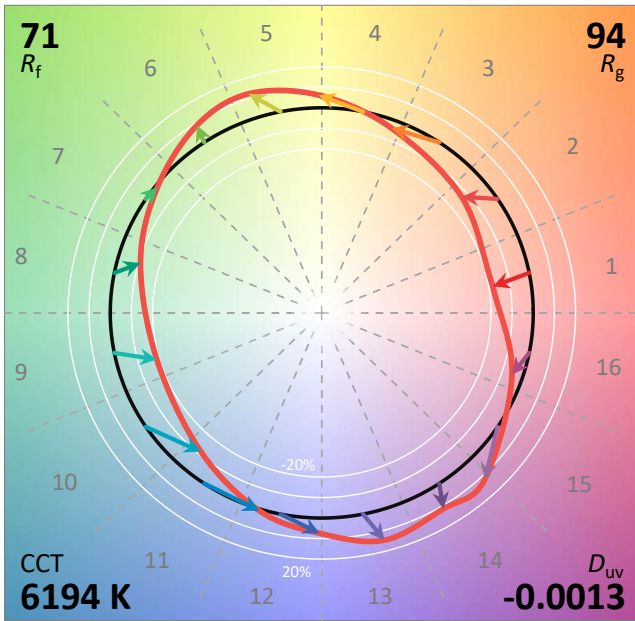
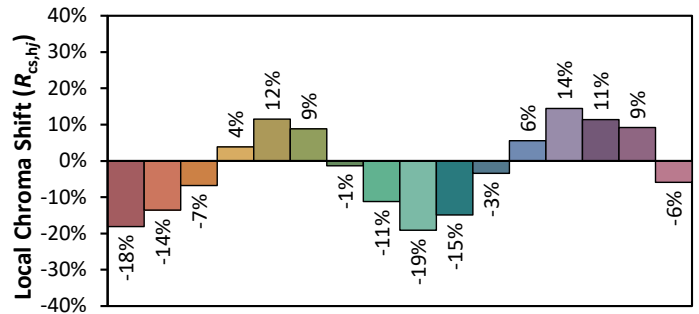
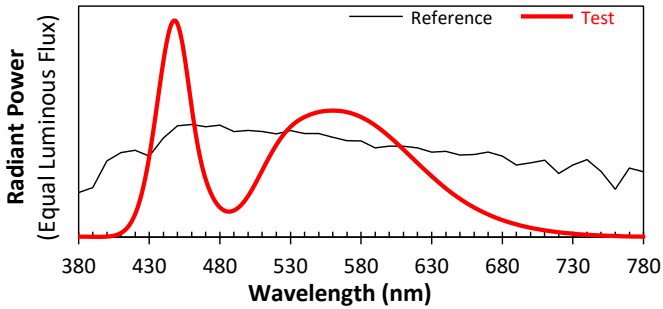
Measurement date: 29.08.2023

iForte LTX WB

Photometric report

Field angle 0.7° - Min. zoom Narrowed Iris 179

ANSI/IES TM-30-18 Color Rendition Report



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(CRI)

R_a 72

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ROBE

iForte LTX WB

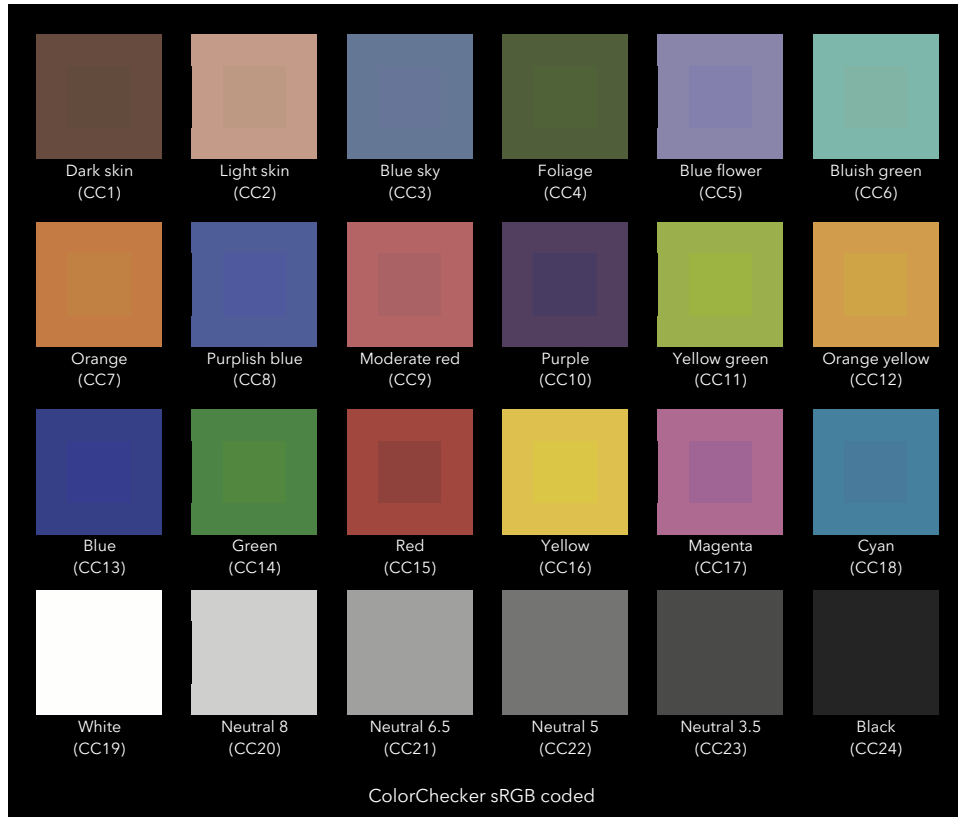
Photometric report

Field angle 0.7° - Min. zoom Narrowed Iris 179

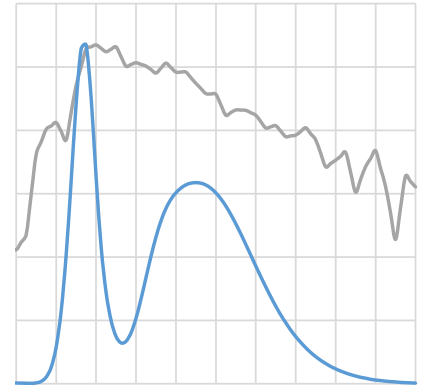
Television Lighting Consistency Index 2012 report

Direct spectrum input: CCT = D6194 (-0.2)

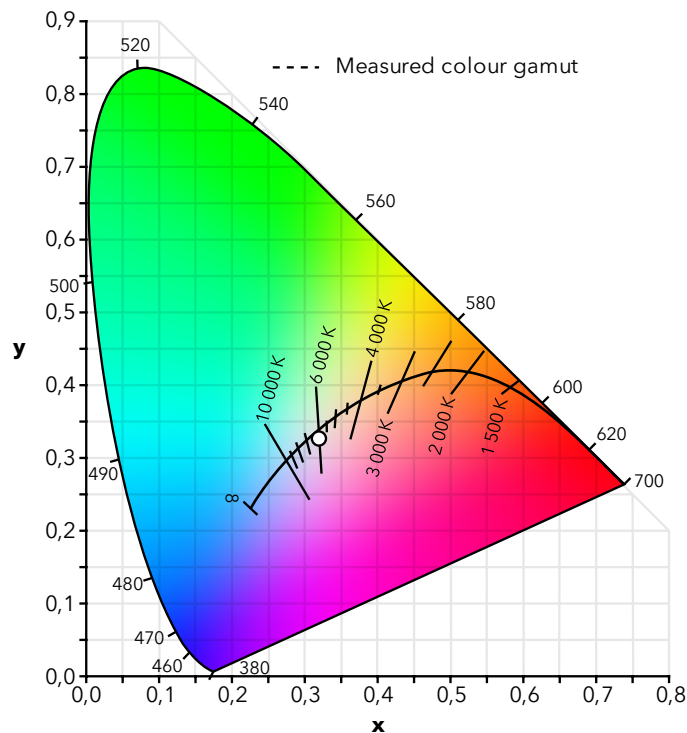
TLCI-2012: 45 (D6194)



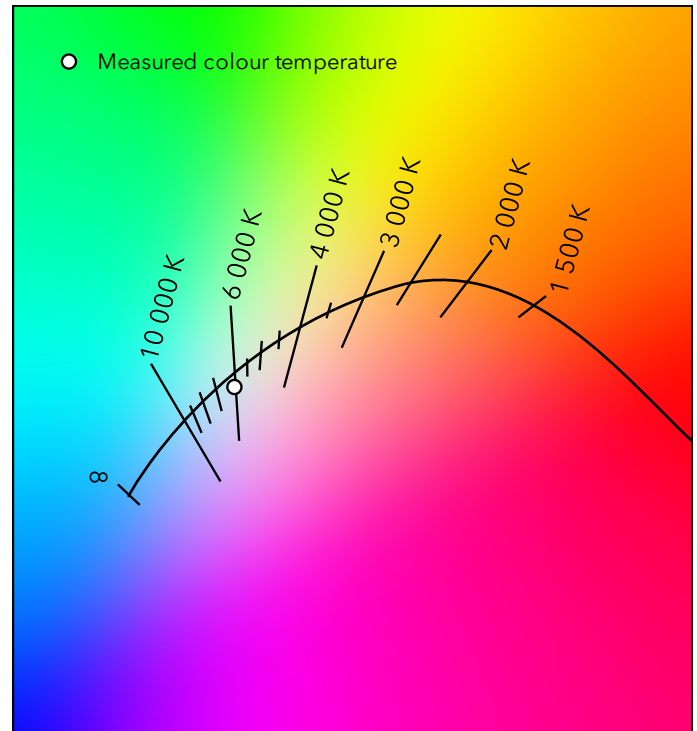
Sector	Lightness	Chroma	Hue
R	+++++	+++	+
R/Y	0	+	-----
Y	--	--	-----
Y/G	-	--	0
G	--	--	+++
G/C	+	+	++++
C	++	0	0
C/B	++++	0	-----
B	0	---	-----
B/M	++	---	+++
M	+++	-	+++++
M/R	+++++	0	+++++



CIE 1931 color space gamut



Colour temperature



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

Measurement date: 29.08.2023

ROBE