Ulanzi VL110

Measurement overview | 100 % measurements and reflectors

Key values at maximum brightness

For each target CCT and RGB hue the highest available brightness level is shown. EV = log2(2 x lux / 5).
Duv, CRI/R9, SSI, TM-30 and TLCI are not reported for saturated RGB colours, where they are not meaningful. TLCI is for information only.

Type	Target CCT / hue	Level	Lux	EV	Measured CCT / hue	Duv	CRI Ra	R9	SSI	TM-30 Rf	TM-30 Rg	TLCI	Source
White	2500 K	100%	81	5.02	2550 K	-0.00546	95.9	97.0	86.0	94.0	105.0	96	Ulanzi VL110 100% lowest
White	3200 K	100%	97	5.27	3028 K	-0.01201	91.9	79.0	79.0	94.0	107.0	96	Ulanzi VL110 100% 3200
White	5500 K	100%	109	5.45	5510 K	-0.01385	87.0	43.0	69.0	91.0	107.0	98	Ulanzi VL110 100% 5500
White	6500 K	100%	105	5.39	6566 K	-0.01155	87.7	42.0	67.0	90.0	105.0	98	Ulanzi VL110 100% 6500
White	9000 K	100%	94	5.24	9232 K	-0.00540	91.9	61.0	62.0	90.0	102.0	99	Ulanzi VL110 100% highest

White light output at 100 % across all CCTs



RGB output at 100 % across all colours

No values

Output with all reflectors

Reflector	Target CCT	Level	Lux	EV	Measured CCT	Duv	CRI Ra	R9	Source
Standard reflector	-	100%	109	5.45	5510 K	-0.01385	87.0	43.0	Ulanzi VL110 100% max with reflector

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Ulanzi VL110

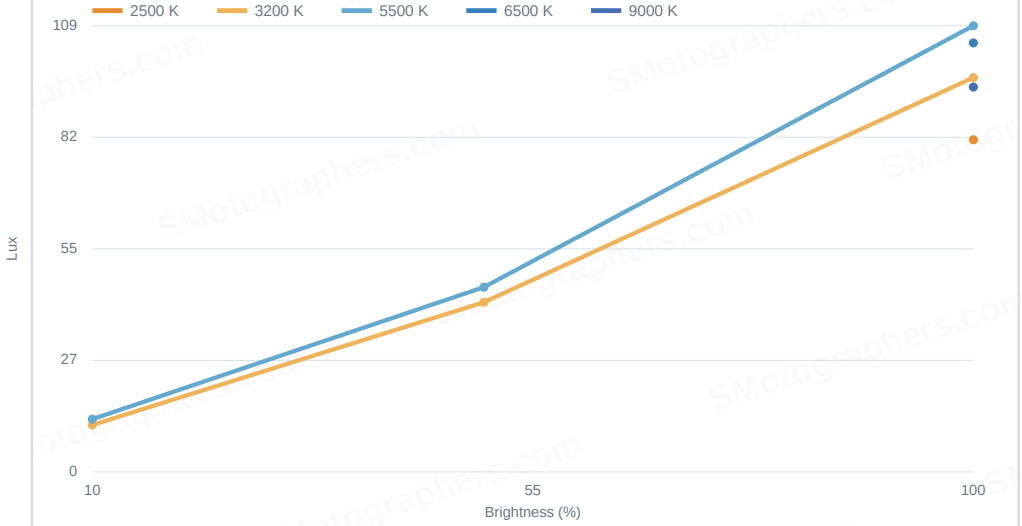
LED Lab Report | Numbers-Import

TOTAL	COLOUR	POWER	USABILITY	RGB
66.3	71.5	68.6	58.8	-

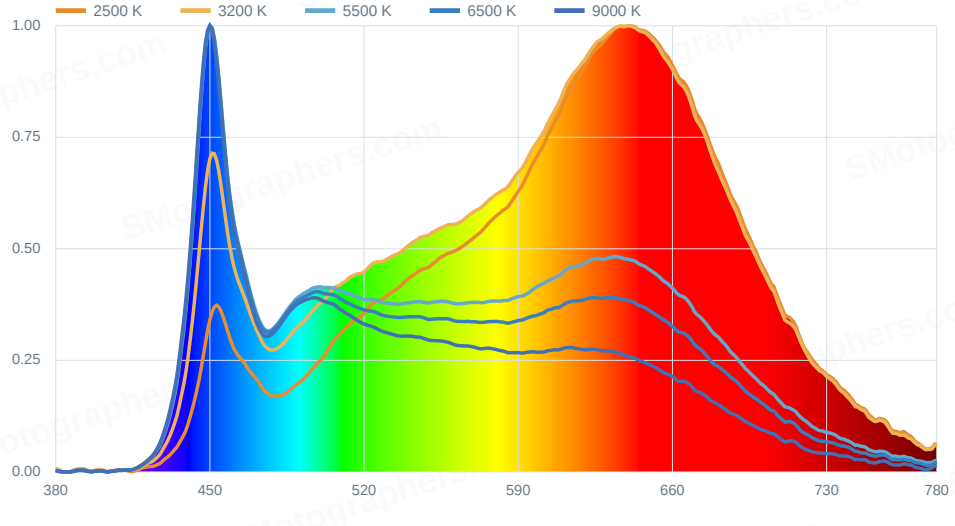
Luminaire	Value	Test	Value
LED type	RGB	Power	7.5 W
Test date	2026-07-29	Distance	-
Modifier	Verschiedene Setups aus dem Numbers-Rechner	Mode	Linear (current)
RGB in total	Yes	Measurements	10

Target CCT	Max Lux	Measured CCT	Duv	Ra	SSI	Rf	Rg	TLCI
2500 K	81	2550	-0.00546	95.9	86.0	94.0	105.0	96
3200 K	97	3028	-0.01201	91.9	79.0	94.0	107.0	96
5500 K	109	5510	-0.01385	87.0	69.0	91.0	107.0	98
6500 K	105	6566	-0.01155	87.7	67.0	90.0	105.0	98
9000 K	94	9232	-0.00540	91.9	62.0	90.0	102.0	99

Output across CCTs and levels



Spectrum at maximum brightness



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Ulanzi VL110

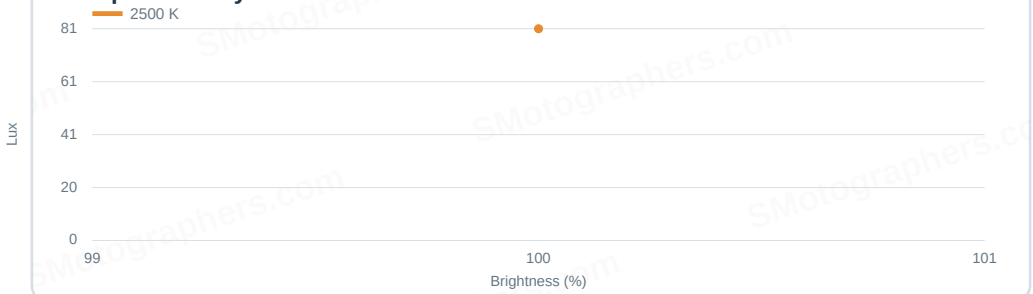
White light detail | Target CCT 2500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
100%	81	2550 K	-0.00546	9.39	95.9	97.0	640 nm

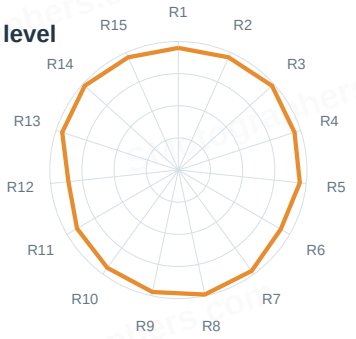
Colour metric	Value
SSI	86
TM-30 Rf	94
TM-30 Rg	105
TLCI (Info)	96
Measurements	1

Check	Value
Brightest level	100%
CCT deviation	50 K
Mired deviation	7.84
Source	Ulanzi VL110 100% lowest

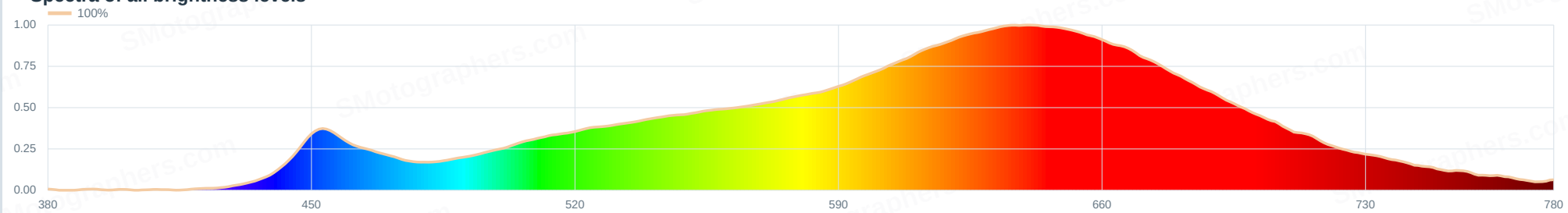
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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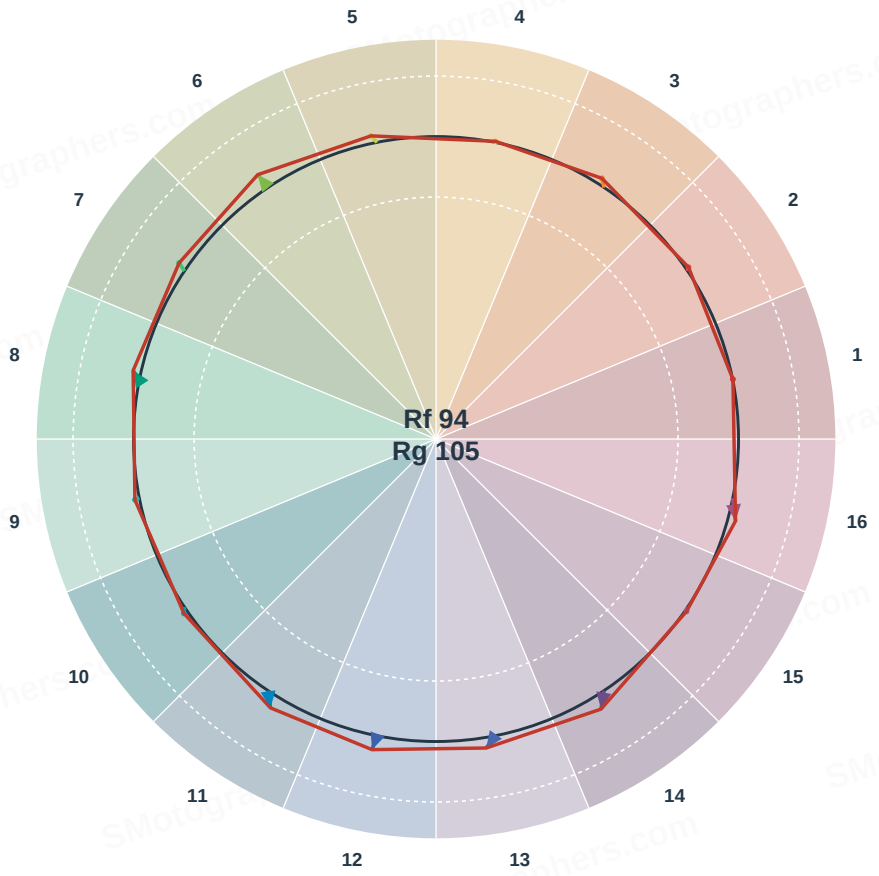
Ulanzi VL110

ANSI/IES TM-30 colour rendition | Target CCT 2500 K

LED EVALUATOR

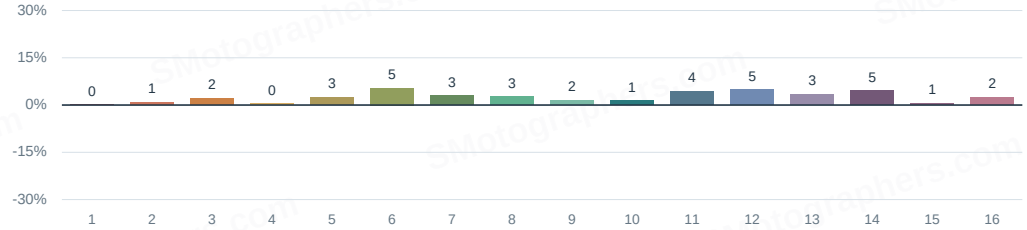
TM-30 RF	TM-30 RG	SSI [P2536]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	105	86	2550 K	-0.0054	96	100 %

Color Vector Graphic

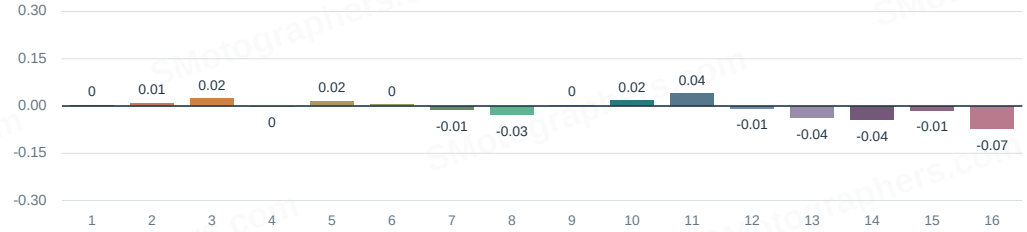


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

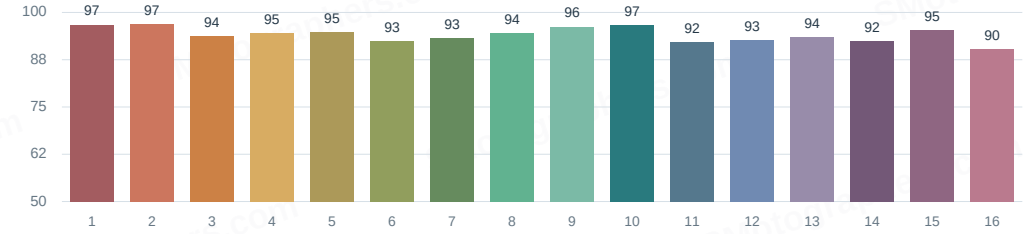
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Ulanzi VL110

TM-30 colour swatches: reference vs. measurement | Target CCT 2500 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P2536]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	105	86	2550 K	-0.0054	96	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+0 % Chroma	+1 % Chroma	+2 % Chroma	+0 % Chroma	+3 % Chroma	+5 % Chroma	+3 % Chroma	+3 % Chroma	+2 % Chroma	+1 % Chroma	+4 % Chroma	+5 % Chroma	+3 % Chroma	+5 % Chroma	+1 % Chroma	+2 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 1 Rf 98	CES 2 Rf 98	CES 3 Rf 94	CES 4 Rf 98	CES 5 Rf 94	CES 6 Rf 97	CES 7 Rf 96	CES 8 Rf 97	CES 9 Rf 99	CES 98 Rf 98	CES 99 Rf 96
CES 10 Rf 96	CES 11 Rf 98	CES 12 Rf 97	CES 13 Rf 95	CES 14 Rf 99	CES 15 Rf 97	CES 16 Rf 96	CES 17 Rf 96	CES 18 Rf 99	CES 19 Rf 97	CES 20 Rf 80
CES 21 Rf 95	CES 22 Rf 95	CES 23 Rf 100	CES 24 Rf 96	CES 25 Rf 93	CES 26 Rf 95	CES 27 Rf 95	CES 29 Rf 96	CES 30 Rf 95	CES 31 Rf 95	CES 33 Rf 98
CES 36 Rf 85	CES 28 Rf 97	CES 32 Rf 90	CES 34 Rf 92	CES 35 Rf 96	CES 37 Rf 95	CES 38 Rf 92	CES 39 Rf 98	CES 40 Rf 95	CES 41 Rf 98	CES 42 Rf 91
CES 43 Rf 87	CES 44 Rf 100	CES 47 Rf 93	CES 45 Rf 92	CES 46 Rf 94	CES 48 Rf 96	CES 49 Rf 91	CES 50 Rf 96	CES 51 Rf 96	CES 52 Rf 93	CES 53 Rf 93
CES 54 Rf 94	CES 55 Rf 95	CES 56 Rf 96	CES 57 Rf 97	CES 58 Rf 97	CES 59 Rf 98	CES 60 Rf 95	CES 61 Rf 96	CES 64 Rf 98	CES 65 Rf 98	CES 66 Rf 98
CES 67 Rf 97	CES 68 Rf 94	CES 62 Rf 91	CES 69 Rf 95	CES 70 Rf 93	CES 71 Rf 91	CES 72 Rf 96	CES 73 Rf 89	CES 75 Rf 91	CES 63 Rf 99	CES 74 Rf 90
CES 76 Rf 93	CES 77 Rf 91	CES 78 Rf 89	CES 79 Rf 95	CES 80 Rf 93	CES 81 Rf 90	CES 82 Rf 96	CES 83 Rf 95	CES 84 Rf 97	CES 85 Rf 86	CES 86 Rf 94
CES 87 Rf 93	CES 88 Rf 99	CES 89 Rf 90	CES 90 Rf 97	CES 91 Rf 81	CES 92 Rf 89	CES 93 Rf 92	CES 94 Rf 91	CES 95 Rf 90	CES 96 Rf 95	CES 97 Rf 94

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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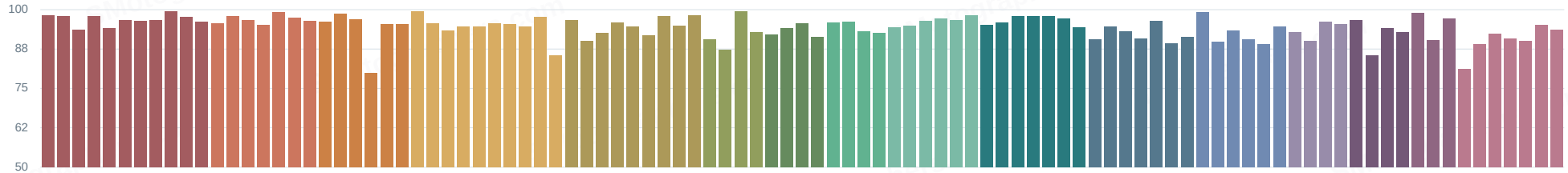
Ulanzi VL110

TM-30 colour samples & Academy SSI | Target CCT 2500 K

LED EVALUATOR

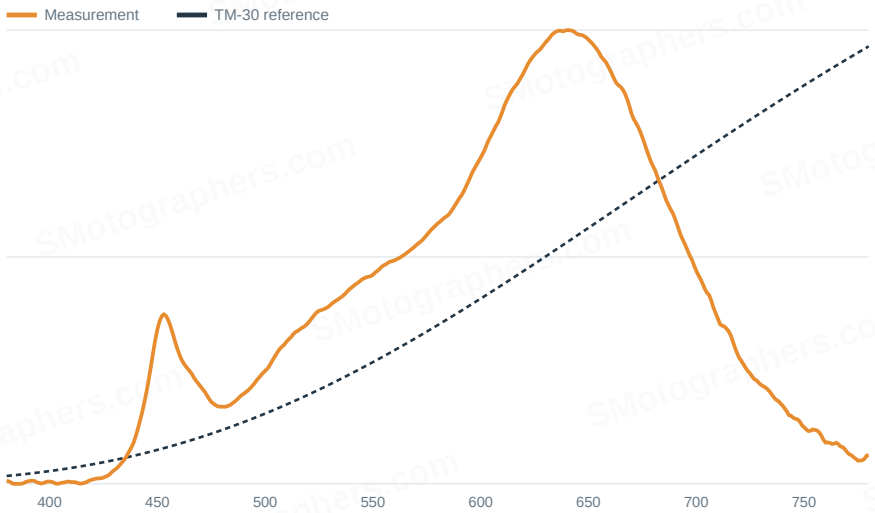
TM-30 RF	TM-30 RG	SSI [P2536]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	105	86	2550 K	-0.0054	96	100 %

Fidelity per colour sample Rf,CES1-99

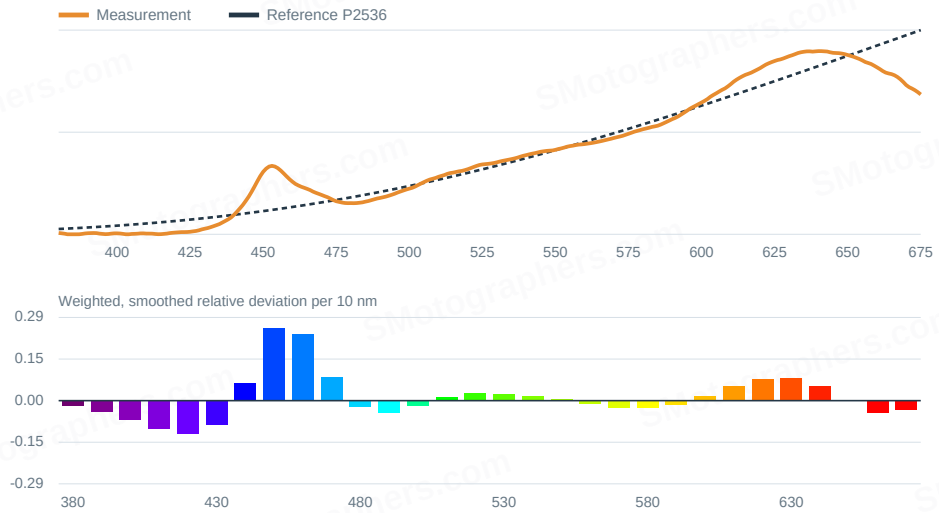


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P2536]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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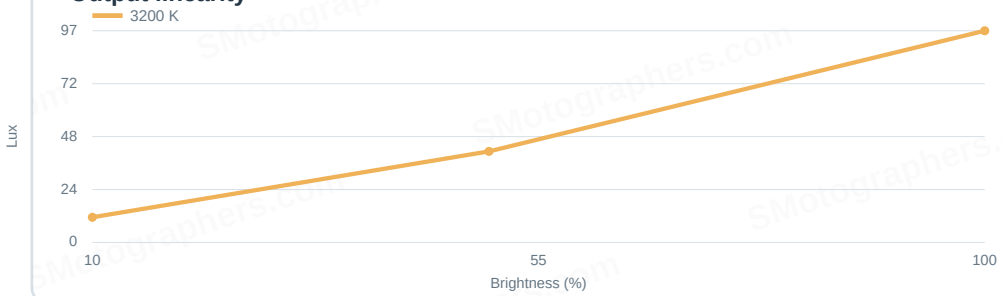
White light detail | Target CCT 3200 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	11	3085 K	-0.01319	13.15	91.7	80.0	635 nm
50%	42	3138 K	-0.01283	14.17	91.4	76.0	640 nm
100%	97	3028 K	-0.01201	10.86	91.9	79.0	640 nm

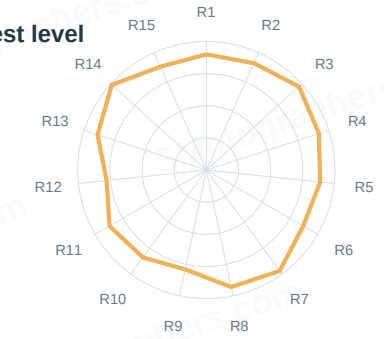
Colour metric	Value
SSI	79
TM-30 Rf	94
TM-30 Rg	107
TLCI (Info)	96
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	-172 K
Mired deviation	17.75
Source	Ulanzi VL110 100% 3200

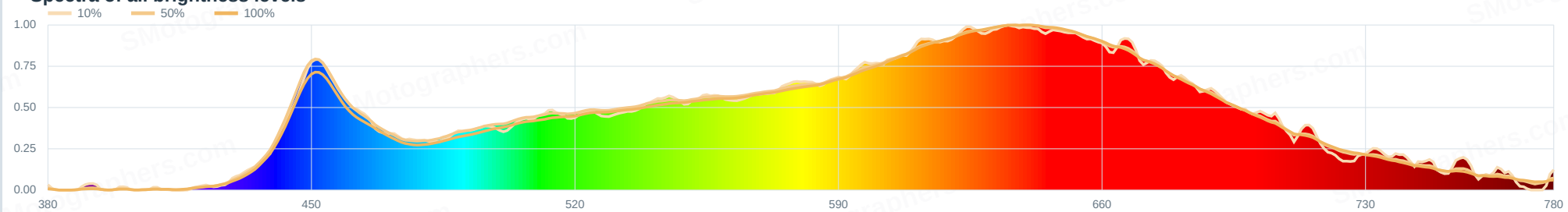
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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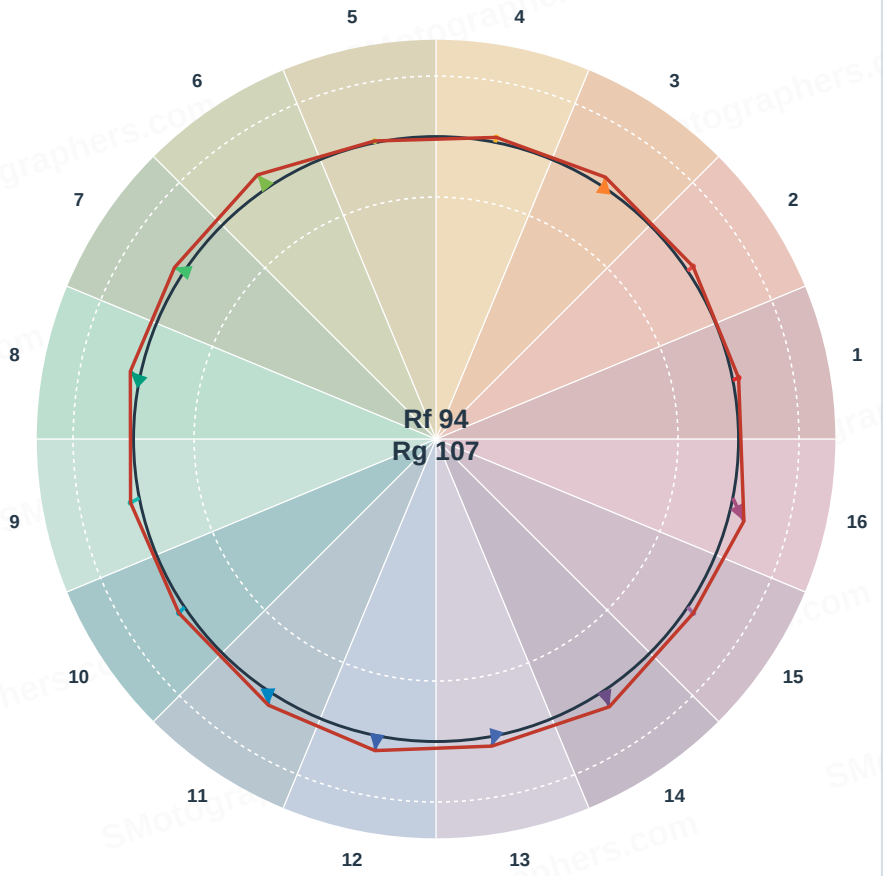
Ulanzi VL110

ANSI/IES TM-30 colour rendition | Target CCT 3200 K

LED EVALUATOR

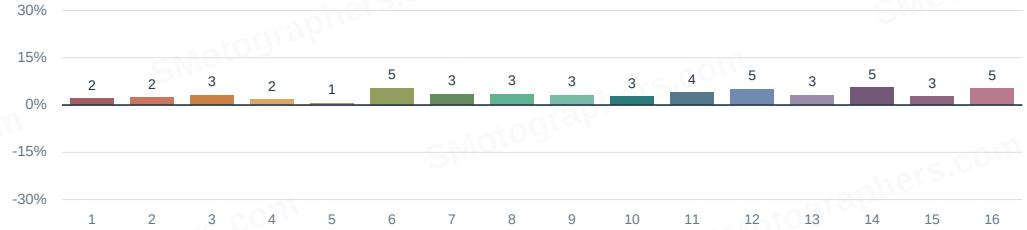
TM-30 RF	TM-30 RG	SSI [P3037]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	107	79	3028 K	-0.0120	96	100 %

Color Vector Graphic

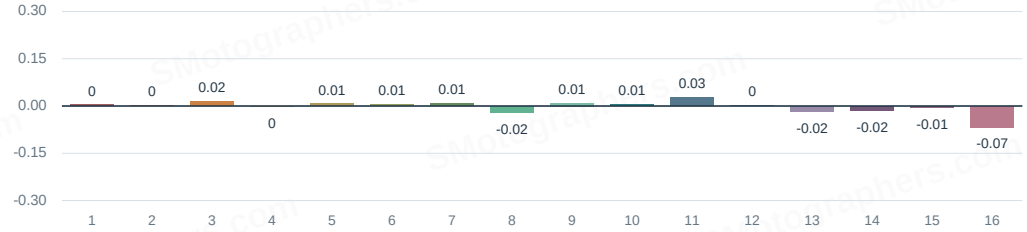


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

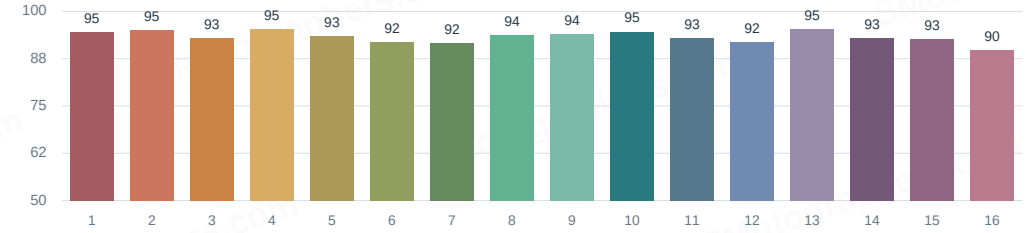
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Ulanzi VL110

TM-30 colour swatches: reference vs. measurement | Target CCT 3200 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P3037]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	107	79	3028 K	-0.0120	96	100 %

Hue bins 1-16: average per bin



Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 1 Rf 96	CES 2 Rf 94	CES 3 Rf 92	CES 4 Rf 96	CES 5 Rf 92	CES 6 Rf 99	CES 7 Rf 92	CES 8 Rf 94	CES 9 Rf 99	CES 98 Rf 95	CES 99 Rf 92
CES 10 Rf 93	CES 11 Rf 96	CES 12 Rf 94	CES 13 Rf 93	CES 14 Rf 98	CES 15 Rf 95	CES 16 Rf 96	CES 17 Rf 98	CES 18 Rf 96	CES 19 Rf 96	CES 20 Rf 77
CES 21 Rf 95	CES 22 Rf 95	CES 23 Rf 99	CES 24 Rf 96	CES 25 Rf 94	CES 26 Rf 94	CES 27 Rf 93	CES 28 Rf 97	CES 29 Rf 95	CES 30 Rf 96	CES 31 Rf 94
CES 33 Rf 96	CES 32 Rf 90	CES 34 Rf 92	CES 35 Rf 96	CES 36 Rf 84	CES 37 Rf 95	CES 38 Rf 92	CES 39 Rf 98	CES 40 Rf 95	CES 41 Rf 99	CES 42 Rf 90
CES 43 Rf 86	CES 44 Rf 100	CES 45 Rf 91	CES 46 Rf 93	CES 47 Rf 93	CES 48 Rf 93	CES 49 Rf 90	CES 50 Rf 95	CES 51 Rf 96	CES 52 Rf 93	CES 53 Rf 91
CES 54 Rf 93	CES 55 Rf 93	CES 56 Rf 93	CES 57 Rf 94	CES 58 Rf 93	CES 59 Rf 97	CES 60 Rf 95	CES 61 Rf 95	CES 62 Rf 91	CES 64 Rf 95	CES 65 Rf 95
CES 66 Rf 96	CES 67 Rf 96	CES 68 Rf 94	CES 63 Rf 97	CES 69 Rf 94	CES 70 Rf 93	CES 71 Rf 91	CES 72 Rf 96	CES 73 Rf 88	CES 75 Rf 92	CES 74 Rf 92
CES 76 Rf 93	CES 77 Rf 91	CES 78 Rf 88	CES 79 Rf 96	CES 80 Rf 94	CES 81 Rf 95	CES 82 Rf 96	CES 83 Rf 96	CES 84 Rf 96	CES 85 Rf 87	CES 86 Rf 97
CES 87 Rf 92	CES 88 Rf 96	CES 89 Rf 92	CES 90 Rf 94	CES 92 Rf 89	CES 91 Rf 78	CES 93 Rf 92	CES 94 Rf 93	CES 95 Rf 88	CES 96 Rf 94	CES 97 Rf 93

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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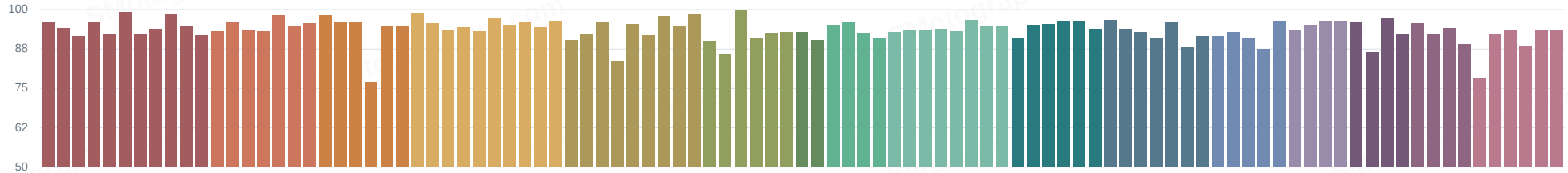
Ulanzi VL110

TM-30 colour samples & Academy SSI | Target CCT 3200 K

LED EVALUATOR

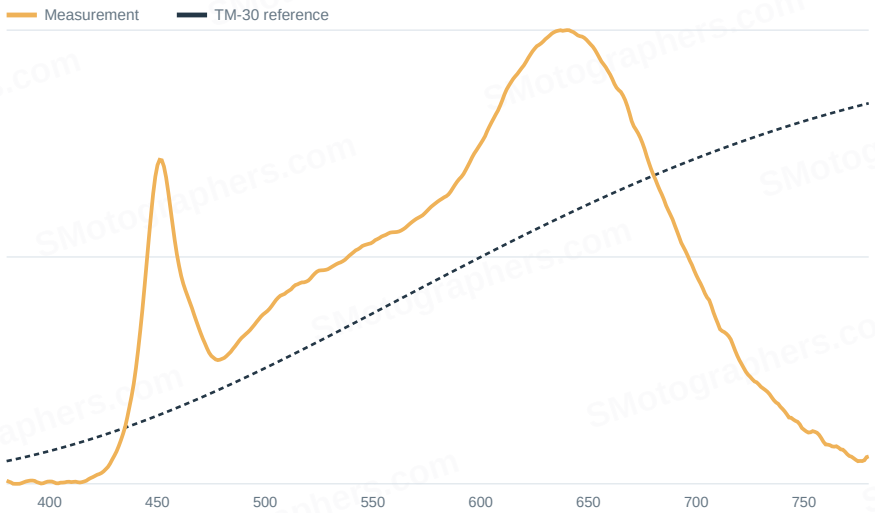
TM-30 RF	TM-30 RG	SSI [P3037]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	107	79	3028 K	-0.0120	96	100 %

Fidelity per colour sample Rf,CES1-99

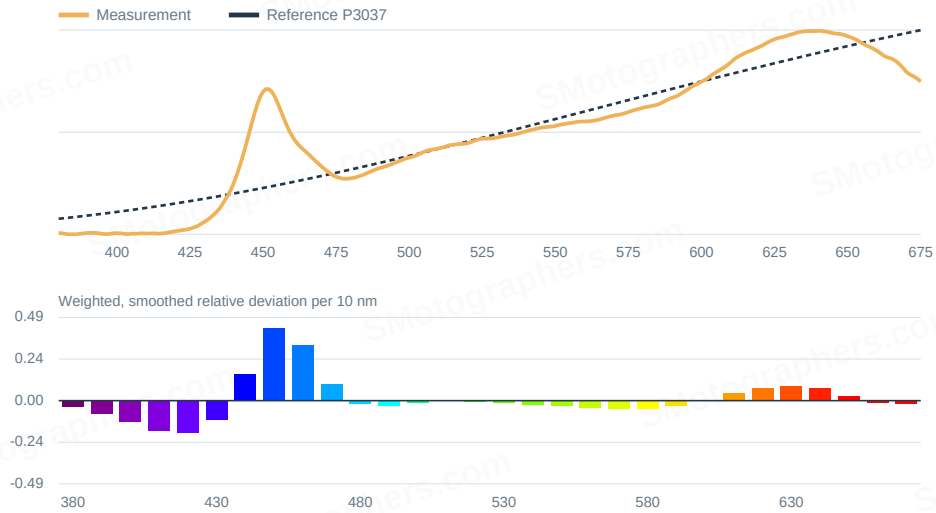


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P3037]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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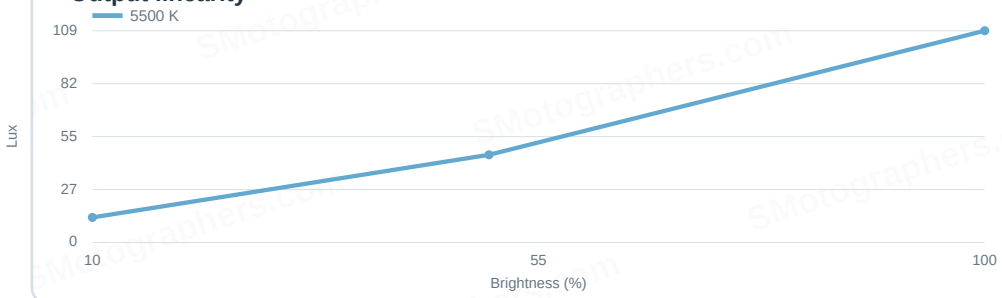
White light detail | Target CCT 5500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	13	5490 K	-0.01424	15.94	87.5	47.0	451 nm
50%	45	5376 K	-0.01428	15.71	86.5	42.0	451 nm
100%	109	5510 K	-0.01385	15.68	87.0	43.0	451 nm

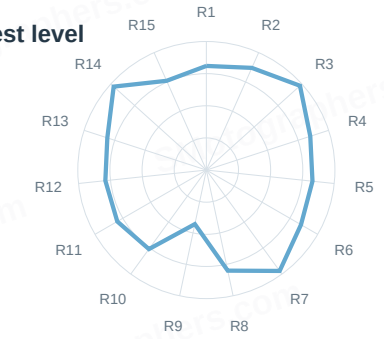
Colour metric	Value
SSI	69
TM-30 Rf	91
TM-30 Rg	107
TLCI (Info)	98
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	10 K
Mired deviation	0.33
Source	Ulanzi VL110 100% 5500

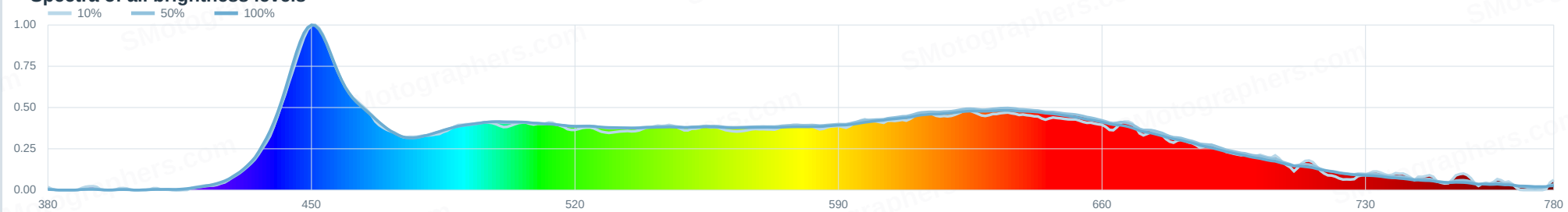
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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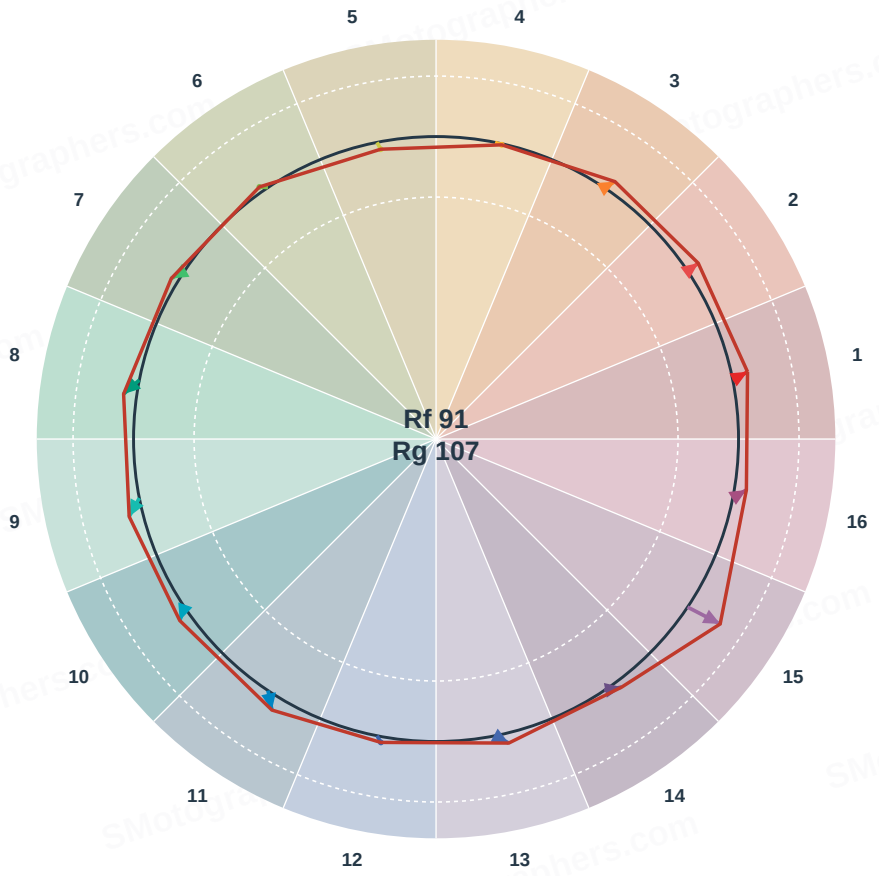
Ulanzi VL110

ANSI/IES TM-30 colour rendition | Target CCT 5500 K

LED EVALUATOR

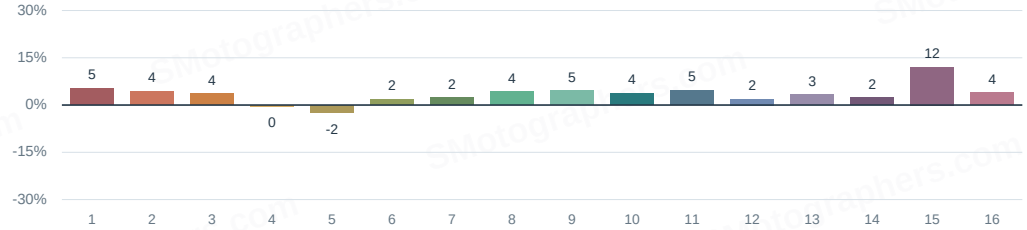
TM-30 RF	TM-30 RG	SSI [D5512]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
91	107	69	5504 K	-0.0139	98	100 %

Color Vector Graphic

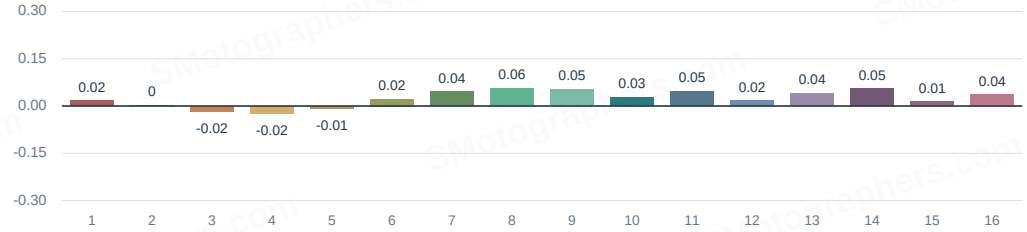


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

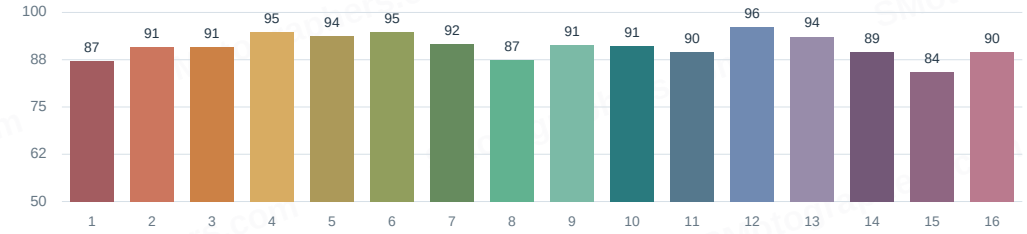
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Ulanzi VL110

TM-30 colour swatches: reference vs. measurement | Target CCT 5500 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D5512]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
91	107	69	5504 K	-0.0139	98	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+5 % Chroma	+4 % Chroma	+4 % Chroma	-0 % Chroma	-2 % Chroma	+2 % Chroma	+2 % Chroma	+4 % Chroma	+5 % Chroma	+4 % Chroma	+5 % Chroma	+2 % Chroma	+3 % Chroma	+2 % Chroma	+12 % Chroma	+4 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 2 Rf 86	CES 3 Rf 85	CES 4 Rf 93	CES 5 Rf 83	CES 6 Rf 95	CES 7 Rf 83	CES 8 Rf 85	CES 9 Rf 96	CES 10 Rf 87	CES 11 Rf 90	CES 12 Rf 87	CES 13 Rf 88	CES 14 Rf 96	CES 15 Rf 89	CES 16 Rf 89	CES 17 Rf 95	CES 18 Rf 91	CES 19 Rf 94	CES 20 Rf 81	CES 21 Rf 94	CES 22 Rf 92	CES 23 Rf 97	CES 24 Rf 97	CES 25 Rf 95
CES 26 Rf 95	CES 27 Rf 88	CES 28 Rf 99	CES 29 Rf 96	CES 30 Rf 90	CES 31 Rf 97	CES 32 Rf 97	CES 33 Rf 97	CES 34 Rf 97	CES 35 Rf 97	CES 36 Rf 79	CES 37 Rf 96	CES 38 Rf 86	CES 39 Rf 99	CES 40 Rf 98	CES 41 Rf 97	CES 42 Rf 92	CES 43 Rf 91	CES 44 Rf 100	CES 45 Rf 91	CES 46 Rf 93	CES 47 Rf 97	CES 48 Rf 86	CES 49 Rf 92
CES 50 Rf 93	CES 51 Rf 95	CES 52 Rf 93	CES 53 Rf 88	CES 54 Rf 88	CES 55 Rf 88	CES 56 Rf 87	CES 57 Rf 87	CES 58 Rf 87	CES 59 Rf 93	CES 60 Rf 92	CES 61 Rf 91	CES 62 Rf 87	CES 63 Rf 99	CES 64 Rf 90	CES 65 Rf 91	CES 66 Rf 92	CES 67 Rf 92	CES 68 Rf 90	CES 69 Rf 90	CES 70 Rf 90	CES 71 Rf 87	CES 72 Rf 95	CES 73 Rf 85
CES 74 Rf 92	CES 75 Rf 89	CES 76 Rf 92	CES 77 Rf 89	CES 78 Rf 86	CES 79 Rf 98	CES 80 Rf 94	CES 81 Rf 97	CES 82 Rf 97	CES 83 Rf 99	CES 84 Rf 92	CES 85 Rf 85	CES 86 Rf 91	CES 87 Rf 88	CES 88 Rf 88	CES 89 Rf 93	CES 90 Rf 86	CES 91 Rf 71	CES 92 Rf 84	CES 93 Rf 90	CES 94 Rf 89	CES 95 Rf 84	CES 1 Rf 93	CES 96 Rf 90
CES 97 Rf 94	CES 98 Rf 89	CES 99 Rf 82																					

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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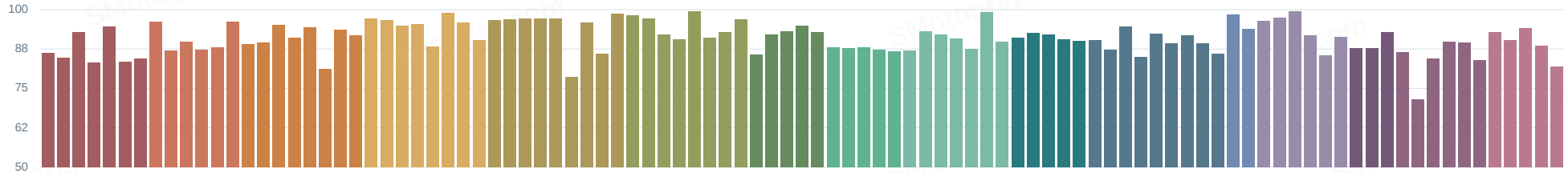
Ulanzi VL110

TM-30 colour samples & Academy SSI | Target CCT 5500 K

LED EVALUATOR

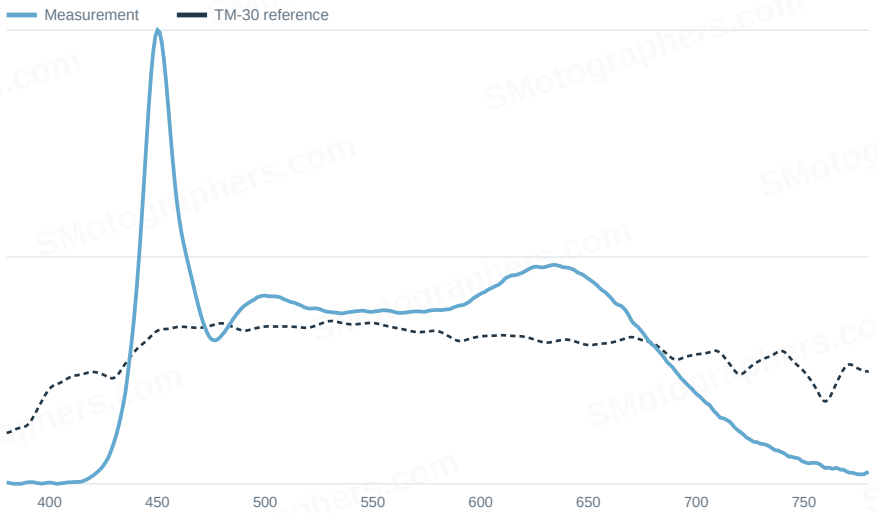
TM-30 RF	TM-30 RG	SSI [D5512]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
91	107	69	5504 K	-0.0139	98	100 %

Fidelity per colour sample Rf,CES1-99

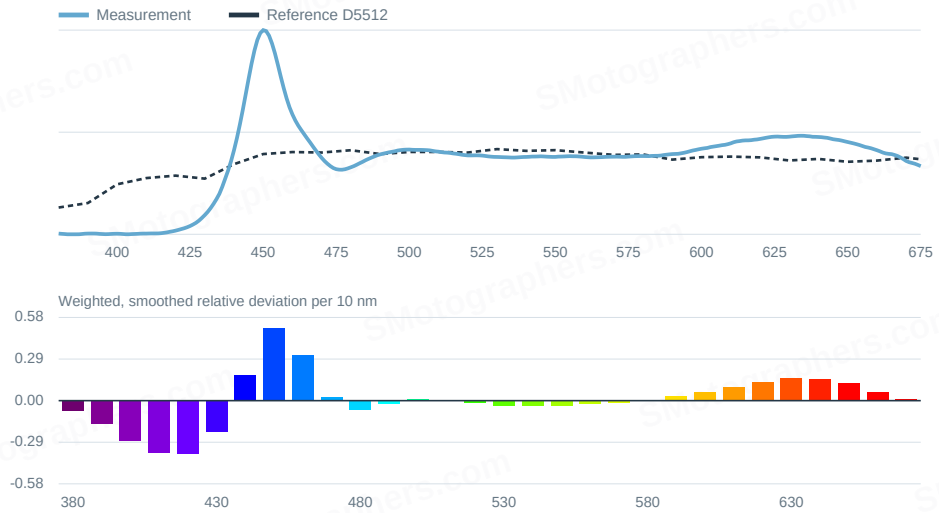


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D5512]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Ulanzi VL110

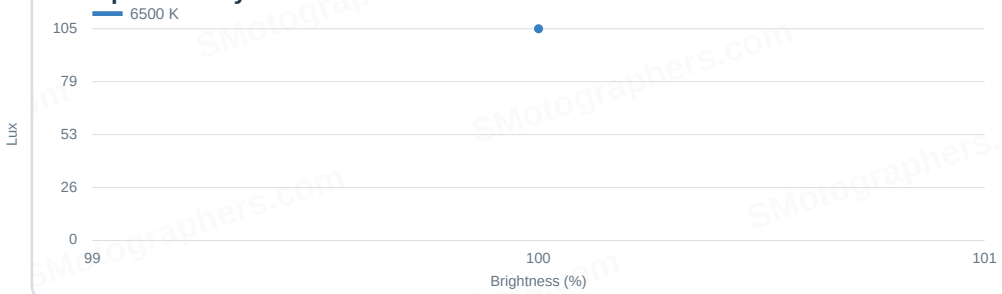
White light detail | Target CCT 6500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
100%	105	6566 K	-0.01155	18.00	87.7	42.0	450 nm

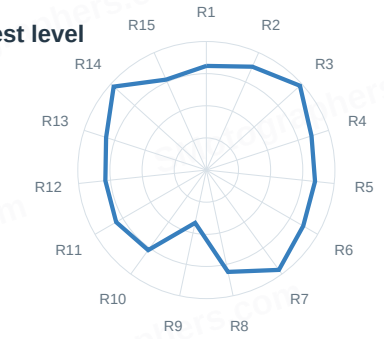
Colour metric	Value
SSI	67
TM-30 Rf	90
TM-30 Rg	105
TLCI (Info)	98
Measurements	1

Check	Value
Brightest level	100%
CCT deviation	66 K
Mired deviation	1.55
Source	Ulanzi VL110 100% 6500

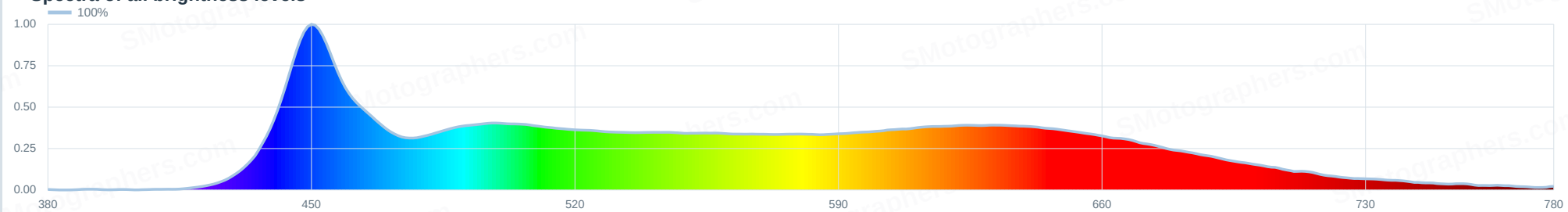
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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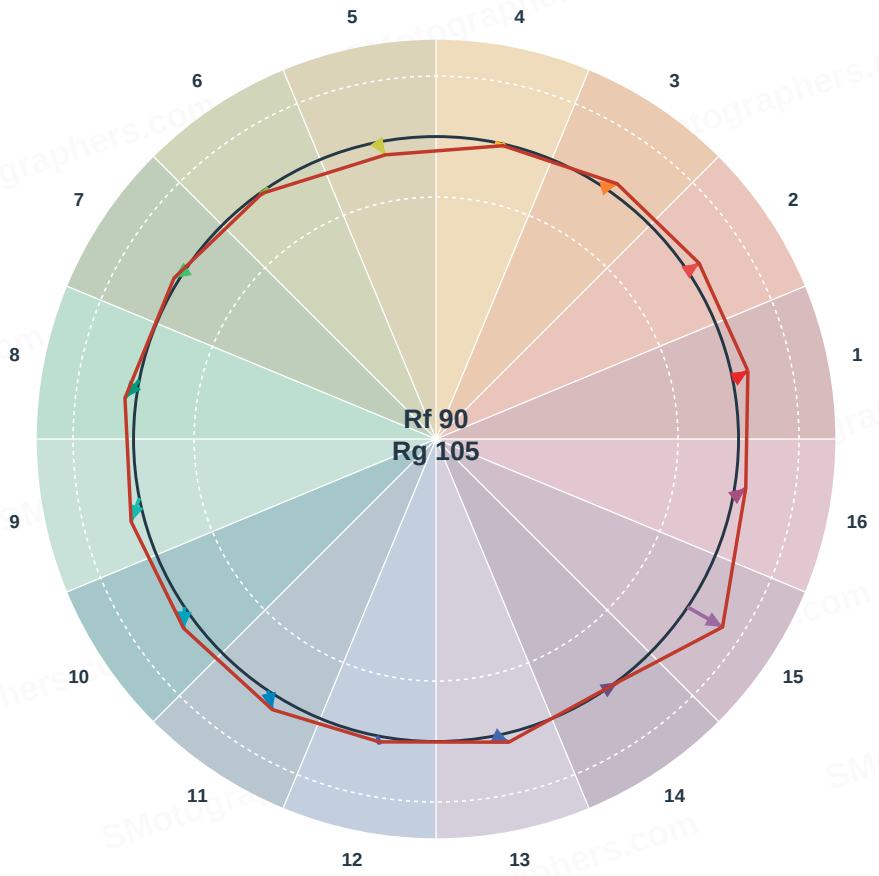
Ulanzi VL110

ANSI/IES TM-30 colour rendition | Target CCT 6500 K

LED EVALUATOR

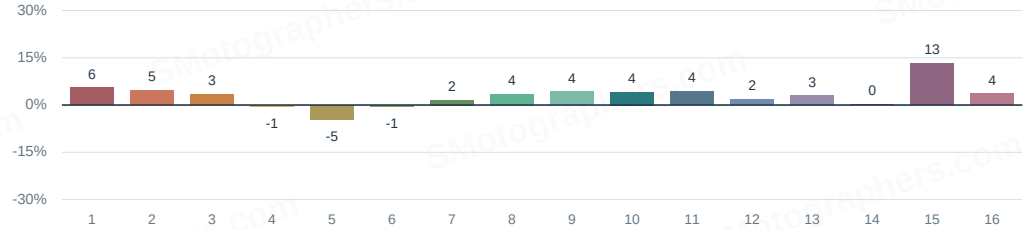
TM-30 RF	TM-30 RG	SSI [D6548]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	105	67	6555 K	-0.0116	98	100 %

Color Vector Graphic

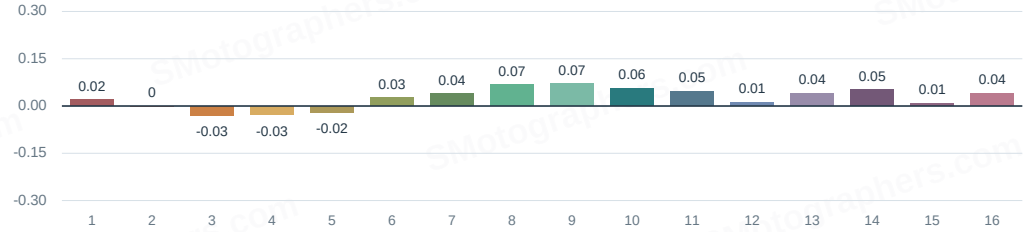


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

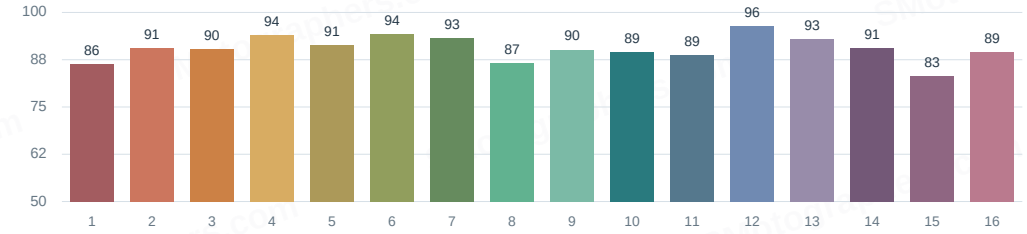
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Ulanzi VL110

TM-30 colour swatches: reference vs. measurement | Target CCT 6500 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D6548]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	105	67	6555 K	-0.0116	98	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+6 % Chroma	+5 % Chroma	+3 % Chroma	-1 % Chroma	-5 % Chroma	-1 % Chroma	+2 % Chroma	+4 % Chroma	+4 % Chroma	+4 % Chroma	+4 % Chroma	+2 % Chroma	+3 % Chroma	+0 % Chroma	+13 % Chroma	+4 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 2 Rf 86	CES 3 Rf 83	CES 4 Rf 92	CES 5 Rf 82	CES 6 Rf 95	CES 7 Rf 83	CES 8 Rf 84	CES 9 Rf 96	CES 10 Rf 87	CES 11 Rf 89	CES 12 Rf 87	CES 13 Rf 88	CES 14 Rf 96	CES 15 Rf 88	CES 16 Rf 89	CES 17 Rf 95	CES 18 Rf 90	CES 19 Rf 94	CES 20 Rf 83	CES 21 Rf 93	CES 22 Rf 91	CES 23 Rf 96	CES 24 Rf 96	CES 25 Rf 95
CES 26 Rf 95	CES 27 Rf 86	CES 28 Rf 99	CES 29 Rf 93	CES 30 Rf 86	CES 31 Rf 94	CES 32 Rf 98	CES 33 Rf 94	CES 34 Rf 99	CES 35 Rf 98	CES 36 Rf 75	CES 37 Rf 96	CES 38 Rf 82	CES 39 Rf 98	CES 40 Rf 98	CES 41 Rf 95	CES 42 Rf 93	CES 43 Rf 93	CES 44 Rf 99	CES 45 Rf 92	CES 46 Rf 94	CES 47 Rf 96	CES 48 Rf 84	CES 49 Rf 93
CES 50 Rf 93	CES 51 Rf 94	CES 52 Rf 93	CES 53 Rf 88	CES 54 Rf 87	CES 55 Rf 86	CES 56 Rf 86	CES 57 Rf 86	CES 58 Rf 86	CES 59 Rf 93	CES 60 Rf 91	CES 61 Rf 90	CES 62 Rf 85	CES 63 Rf 98	CES 64 Rf 89	CES 65 Rf 91	CES 66 Rf 91	CES 67 Rf 91	CES 68 Rf 89	CES 69 Rf 89	CES 71 Rf 84	CES 74 Rf 91	CES 70 Rf 90	CES 72 Rf 94
CES 73 Rf 84	CES 75 Rf 87	CES 76 Rf 92	CES 77 Rf 89	CES 78 Rf 86	CES 79 Rf 98	CES 80 Rf 94	CES 81 Rf 98	CES 82 Rf 98	CES 83 Rf 99	CES 84 Rf 91	CES 85 Rf 84	CES 86 Rf 93	CES 87 Rf 89	CES 88 Rf 88	CES 89 Rf 93	CES 90 Rf 86	CES 91 Rf 67	CES 92 Rf 83	CES 93 Rf 89	CES 94 Rf 89	CES 95 Rf 83	CES 1 Rf 93	CES 96 Rf 90
CES 97 Rf 94	CES 98 Rf 88	CES 99 Rf 82																					

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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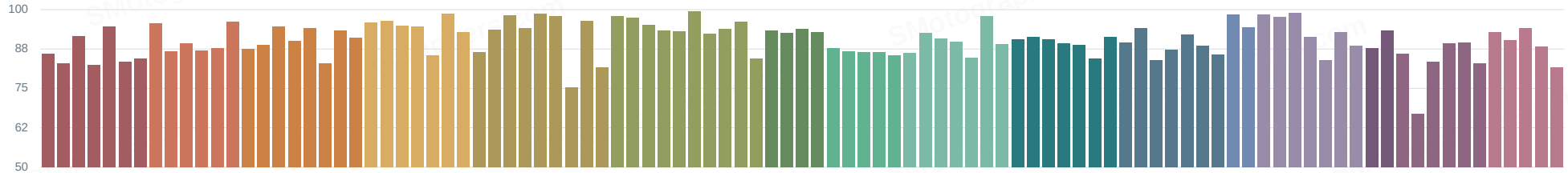
Ulanzi VL110

TM-30 colour samples & Academy SSI | Target CCT 6500 K

LED EVALUATOR

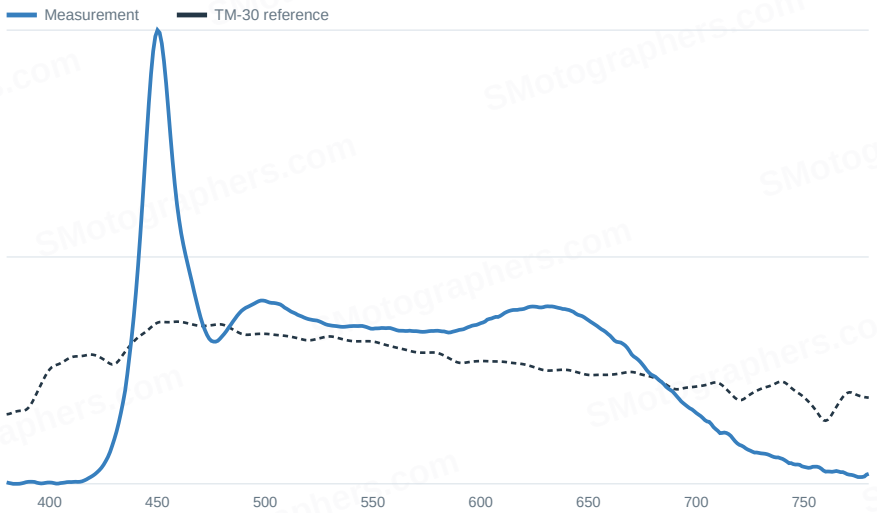
TM-30 RF	TM-30 RG	SSI [D6548]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	105	67	6555 K	-0.0116	98	100 %

Fidelity per colour sample Rf,CES1-99

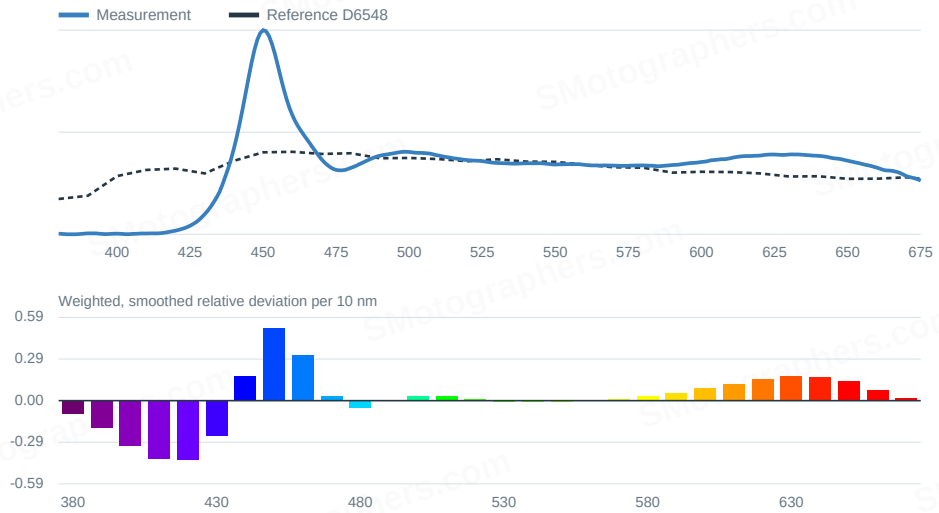


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D6548]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Ulanzi VL110

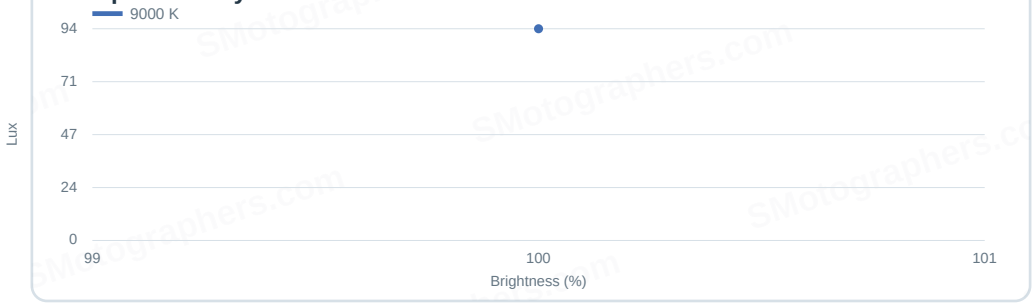
White light detail | Target CCT 9000 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
100%	94	9232 K	-0.00540	21.53	91.9	61.0	450 nm

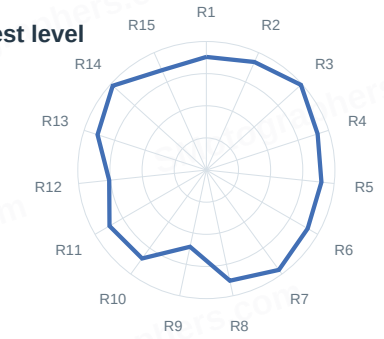
Colour metric	Value
SSI	62
TM-30 Rf	90
TM-30 Rg	102
TLCI (Info)	99
Measurements	1

Check	Value
Brightest level	100%
CCT deviation	232 K
Mired deviation	2.79
Source	Ulanzi VL110 100% highest

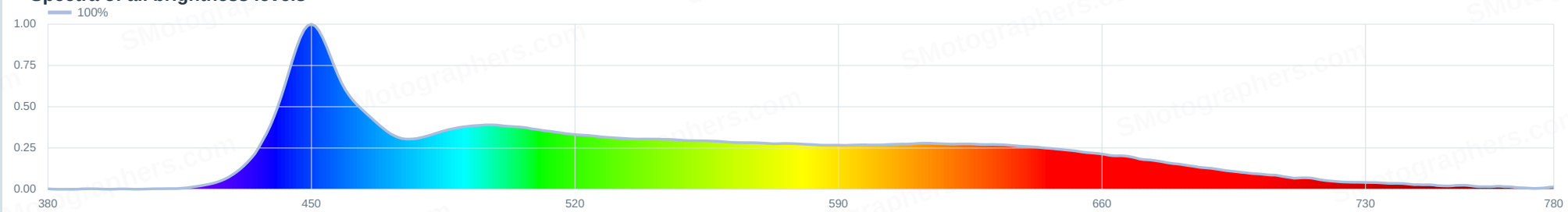
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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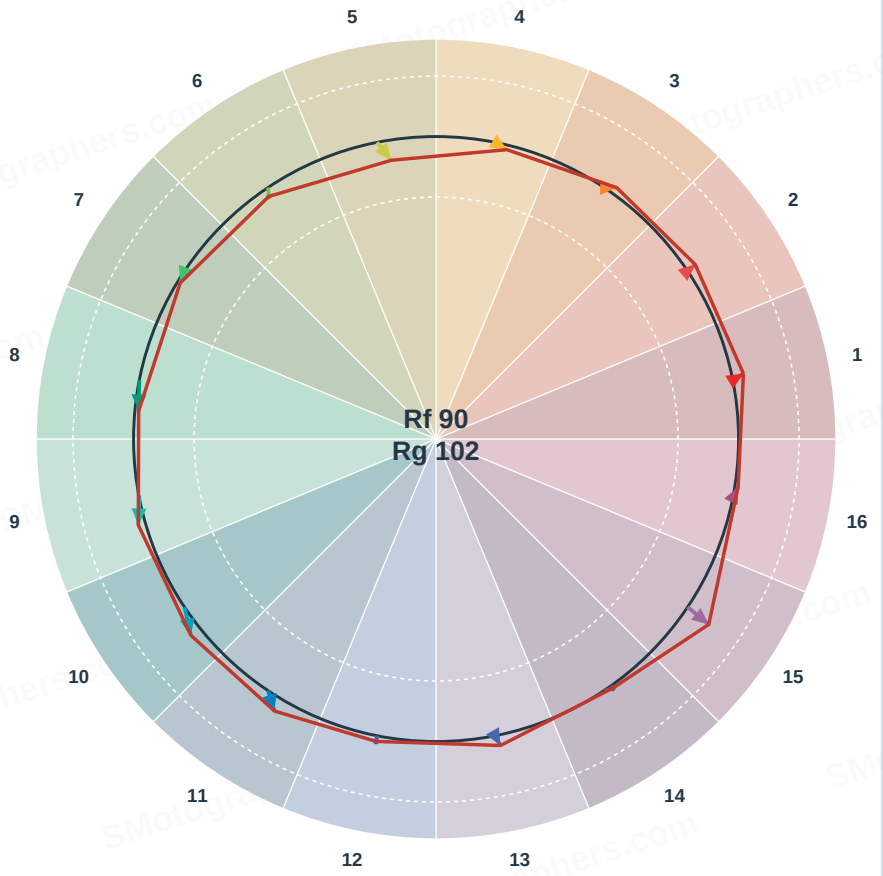
Ulanzi VL110

ANSI/IES TM-30 colour rendition | Target CCT 9000 K

LED EVALUATOR

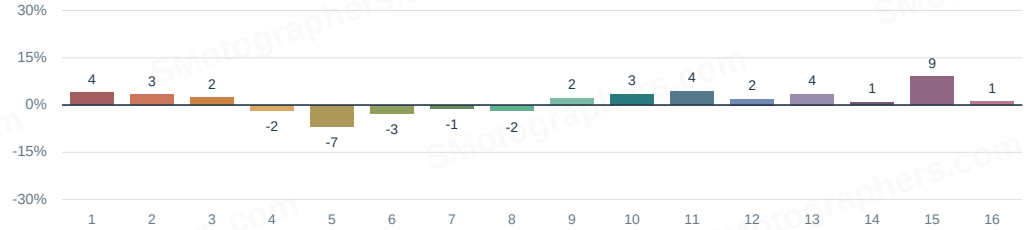
TM-30 RF	TM-30 RG	SSI [D9137]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	102	62	9212 K	-0.0053	99	100 %

Color Vector Graphic

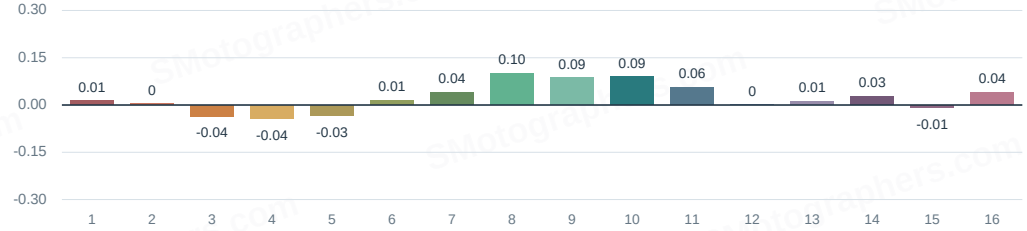


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

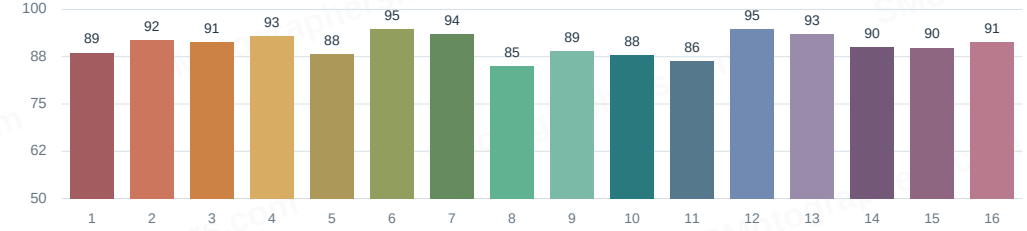
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Ulanzi VL110

TM-30 colour swatches: reference vs. measurement | Target CCT 9000 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D9137]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	102	62	9212 K	-0.0053	99	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+4 % Chroma	+3 % Chroma	+2 % Chroma	-2 % Chroma	-7 % Chroma	-3 % Chroma	-1 % Chroma	-2 % Chroma	+2 % Chroma	+3 % Chroma	+4 % Chroma	+2 % Chroma	+4 % Chroma	+1 % Chroma	+9 % Chroma	+1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 3 Rf 81	CES 4 Rf 91	CES 5 Rf 85	CES 6 Rf 96	CES 7 Rf 89	CES 8 Rf 90	CES 10 Rf 90	CES 11 Rf 92	CES 12 Rf 90	CES 13 Rf 91	CES 14 Rf 97	CES 15 Rf 87	CES 16 Rf 91	CES 17 Rf 95	CES 18 Rf 90	CES 19 Rf 95	CES 20 Rf 87	CES 21 Rf 94	CES 22 Rf 91	CES 9 Rf 96
CES 23 Rf 95	CES 24 Rf 96	CES 25 Rf 95	CES 26 Rf 93	CES 27 Rf 82	CES 28 Rf 98	CES 29 Rf 88	CES 30 Rf 81	CES 31 Rf 89	CES 32 Rf 95	CES 33 Rf 90	CES 34 Rf 98	CES 35 Rf 99	CES 36 Rf 70	CES 37 Rf 97	CES 38 Rf 75	CES 39 Rf 97	CES 40 Rf 96	CES 41 Rf 92	CES 42 Rf 97
CES 43 Rf 98	CES 44 Rf 99	CES 45 Rf 96	CES 46 Rf 96	CES 47 Rf 93	CES 48 Rf 84	CES 49 Rf 96	CES 50 Rf 93	CES 51 Rf 93	CES 52 Rf 95	CES 53 Rf 91	CES 54 Rf 87	CES 55 Rf 86	CES 56 Rf 88	CES 57 Rf 87	CES 58 Rf 87	CES 63 Rf 96	CES 91 Rf 59	CES 59 Rf 94	CES 60 Rf 89
CES 61 Rf 89	CES 62 Rf 81	CES 64 Rf 89	CES 65 Rf 90	CES 66 Rf 89	CES 67 Rf 89	CES 68 Rf 88	CES 69 Rf 87	CES 70 Rf 88	CES 71 Rf 80	CES 72 Rf 93	CES 74 Rf 89	CES 73 Rf 82	CES 75 Rf 84	CES 76 Rf 92	CES 77 Rf 88	CES 78 Rf 85	CES 79 Rf 97	CES 80 Rf 95	CES 81 Rf 95
CES 84 Rf 92	CES 82 Rf 98	CES 83 Rf 96	CES 85 Rf 82	CES 86 Rf 98	CES 87 Rf 93	CES 88 Rf 92	CES 89 Rf 97	CES 90 Rf 89	CES 92 Rf 84	CES 93 Rf 90	CES 94 Rf 94	CES 95 Rf 83	CES 96 Rf 93	CES 1 Rf 95	CES 2 Rf 89	CES 97 Rf 96	CES 98 Rf 91	CES 99 Rf 86	

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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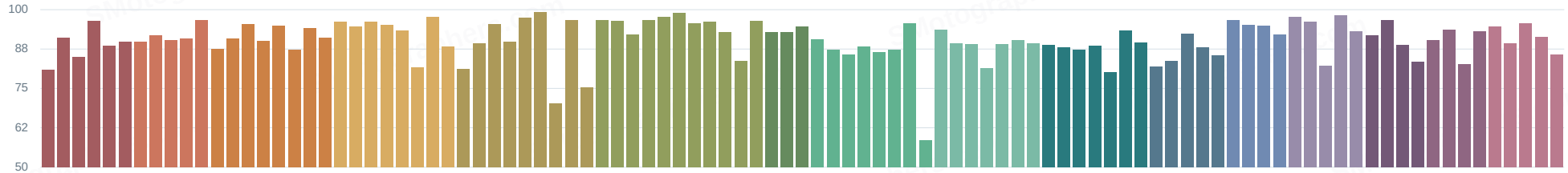
Ulanzi VL110

TM-30 colour samples & Academy SSI | Target CCT 9000 K

LED EVALUATOR

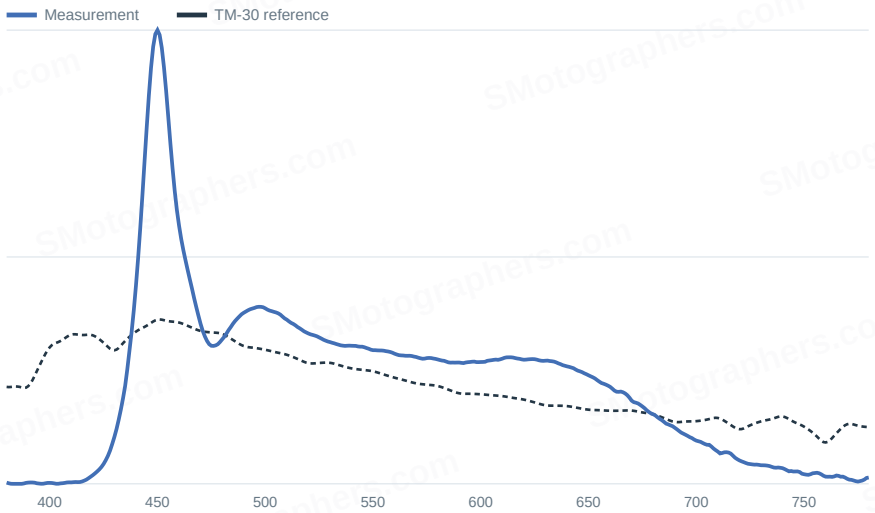
TM-30 RF	TM-30 RG	SSI [D9137]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
90	102	62	9212 K	-0.0053	99	100 %

Fidelity per colour sample Rf,CES1-99

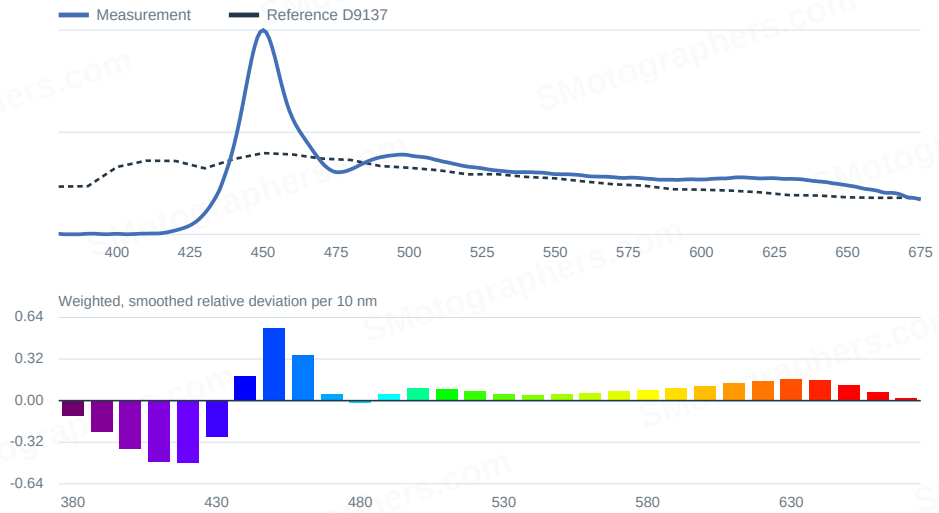


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D9137]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

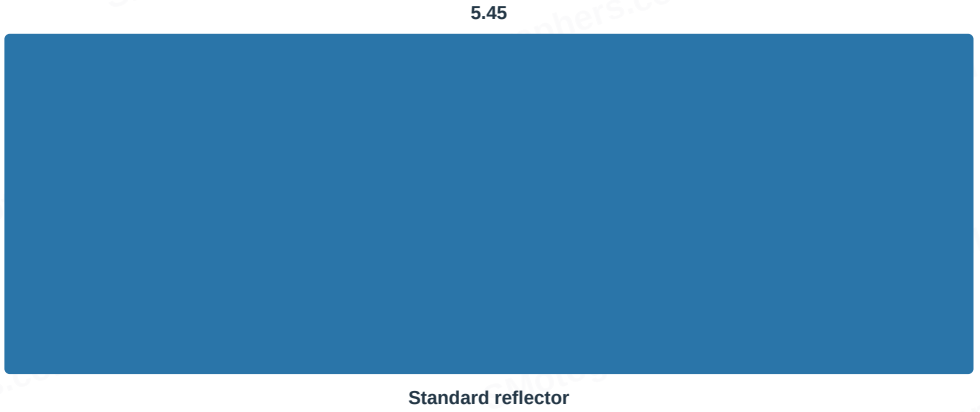
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Ulanzi VL110

Reflectors | Maximum output

Reflector	Target CCT	Lux	EV	Measured CCT	Duv	Source
Standard reflector	-	109	5.45	5510 K	-0.01385	Ulanzi VL110 100% max with reflector

Max EV per reflector



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