Nanlite Forza 720B

Measurement overview | 100 % measurements and reflectors

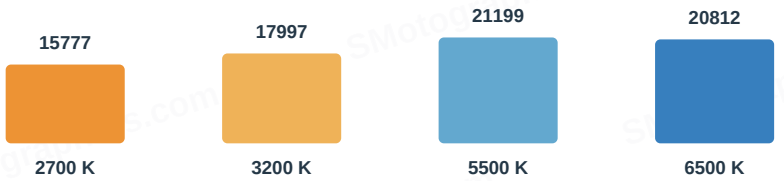
LED EVALUATOR

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	2700 K	100%	15777	12.62	2713 K	-0.00040	97.5	87.0	89.0	96.0	101.0	97	Nanlite Forza 720B 100% lowest
White	3200 K	100%	17997	12.81	3216 K	-0.00522	96.4	97.0	82.0	95.0	104.0	98	Nanlite Forza 720B 100% 3200
White	5500 K	100%	21199	13.05	5817 K	-0.00281	96.6	91.0	72.0	94.0	103.0	99	Nanlite Forza 720B 100% 5500
White	6500 K	100%	20812	13.02	6955 K	0.00062	97.4	95.0	69.0	93.0	101.0	98	Nanlite Forza 720B 100% 6500

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%	83562	15.03	5471 K	-0.00053	98.0	97.0	Nanlite Forza 720B 100% max with reflector

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Nanlite Forza 720B

LED Lab Report | Numbers-Import

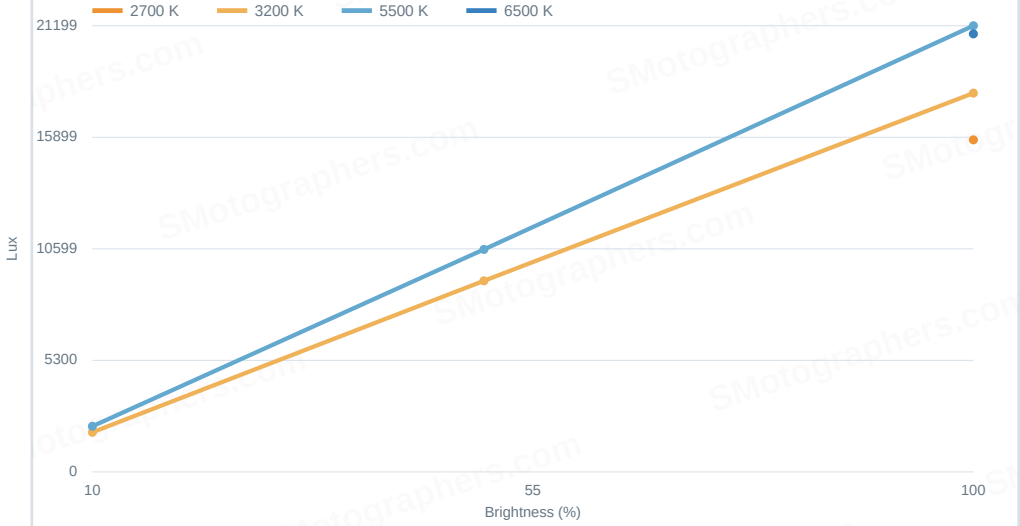
LED EVALUATOR

TOTAL	COLOUR	POWER	USABILITY
78.9	82.5	81.7	72.6

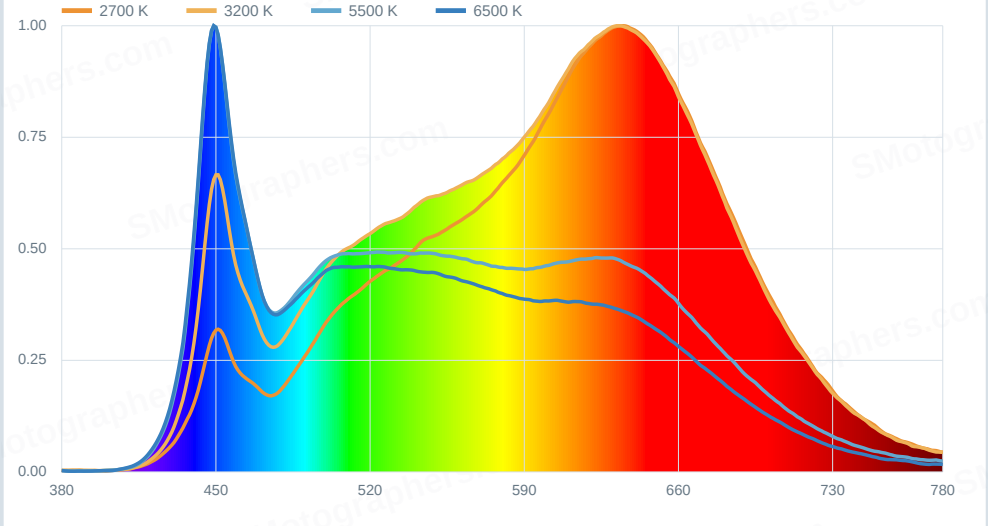
Luminaire	Value	Test	Value
LED type	Bi-Color	Power	800.0 W
Test date	2026-07-29	Distance	-
Modifier	Verschiedene Setups aus dem Numbers-Rechner	Mode	Linear (current)
RGB in total	Yes	Measurements	9

Target CCT	Max Lux	Measured CCT	Duv	Ra	SSI	Rf	Rg	TLCI
2700 K	15777	2713	-0.00040	97.5	89.0	96.0	101.0	97
3200 K	17997	3216	-0.00522	96.4	82.0	95.0	104.0	98
5500 K	21199	5817	-0.00281	96.6	72.0	94.0	103.0	99
6500 K	20812	6955	0.00062	97.4	69.0	93.0	101.0	98

Output across CCTs and levels



Spectrum at maximum brightness



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Nanlite Forza 720B

White light detail | Target CCT 2700 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
100%	15777	2713 K	-0.00040	0.65	97.5	87.0	635 nm

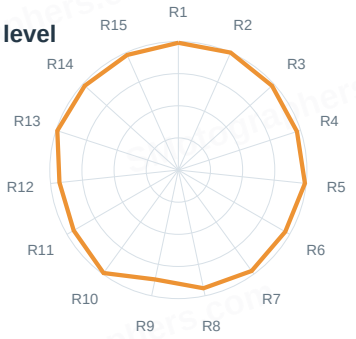
Colour metric	Value
SSI	89
TM-30 Rf	96
TM-30 Rg	101
TLCI (Info)	97
Measurements	1

Check	Value
Brightest level	100%
CCT deviation	13 K
Mired deviation	1.77
Source	Nanlite Forza 720B 100% lowest

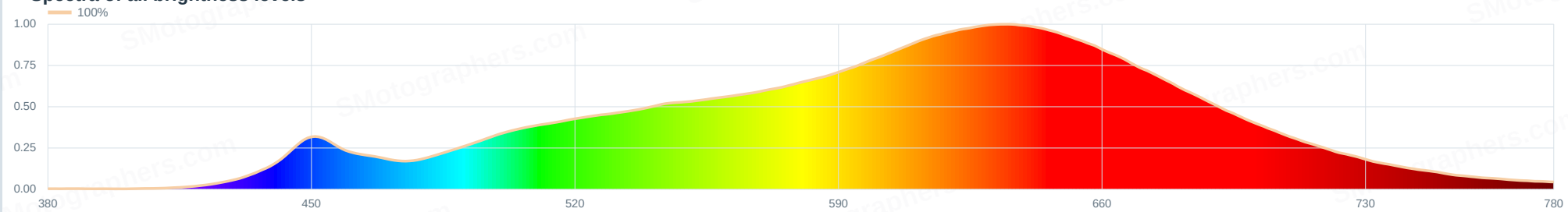
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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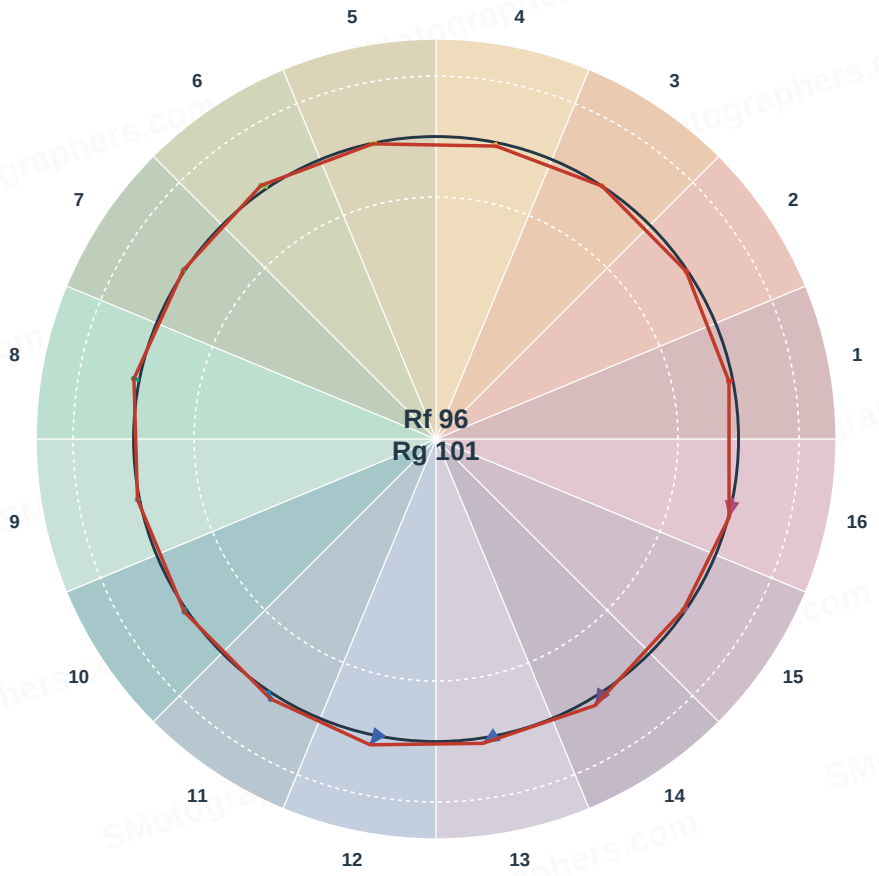
Nanlite Forza 720B

ANSI/IES TM-30 colour rendition | Target CCT 2700 K

LED EVALUATOR

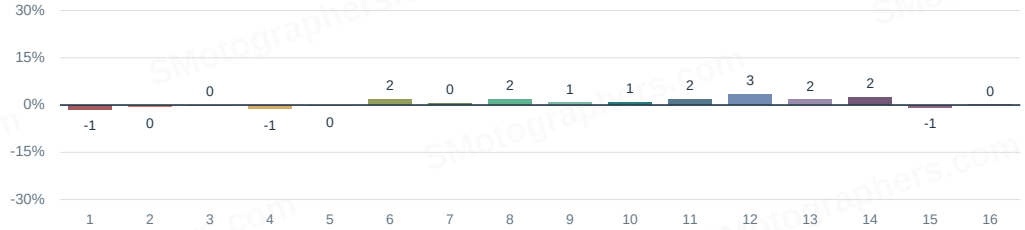
TM-30 RF	TM-30 RG	SSI [P2712]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	101	89	2715 K	-0.0004	97	100 %

Color Vector Graphic

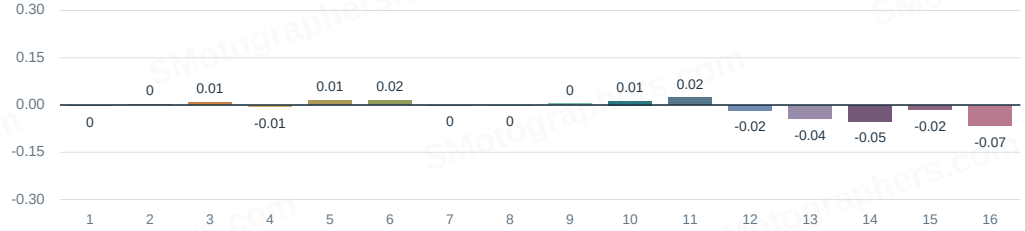


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

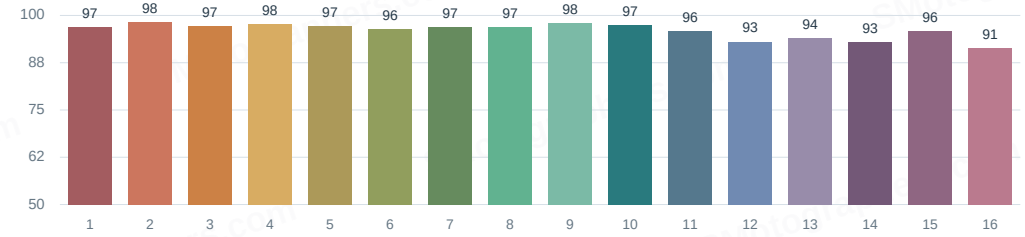
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlite Forza 720B

TM-30 colour swatches: reference vs. measurement | Target CCT 2700 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P2712]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	101	89	2715 K	-0.0004	97	100 %

Hue bins 1-16: average per bin



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

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

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

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

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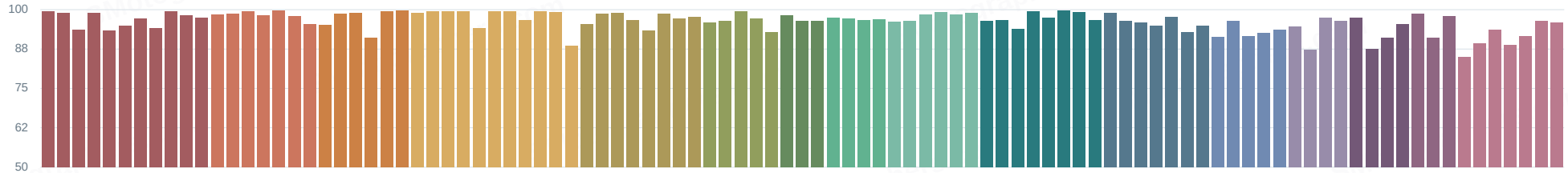
Nanlite Forza 720B

TM-30 colour samples & Academy SSI | Target CCT 2700 K

LED EVALUATOR

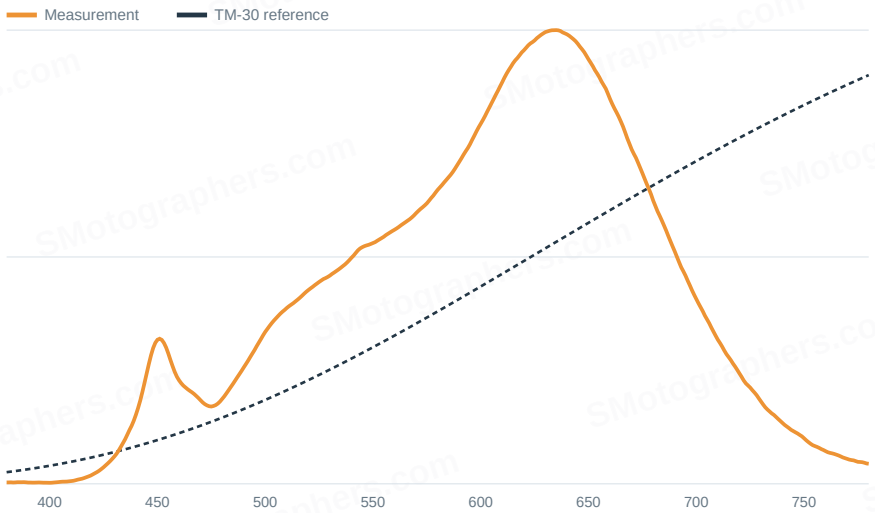
TM-30 RF	TM-30 RG	SSI [P2712]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	101	89	2715 K	-0.0004	97	100 %

Fidelity per colour sample Rf,CES1-99

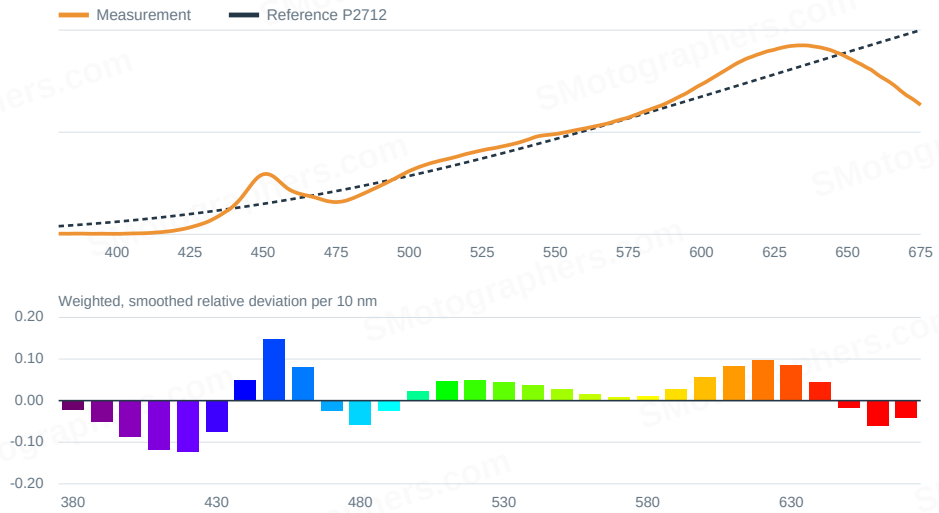


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P2712]



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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Nanlite Forza 720B

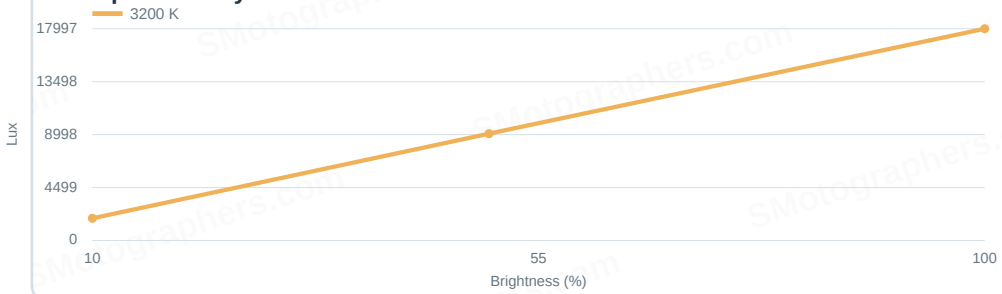
White light detail | Target CCT 3200 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1882	3231 K	-0.00538	8.34	95.4	91.0	633 nm
50%	9079	3229 K	-0.00505	8.17	95.9	93.0	634 nm
100%	17997	3216 K	-0.00522	8.56	96.4	97.0	632 nm

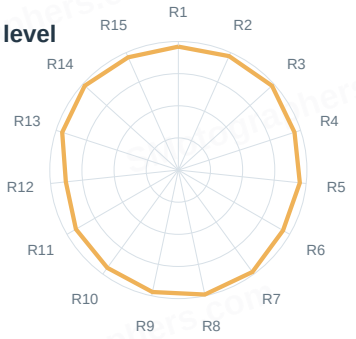
Colour metric	Value
SSI	82
TM-30 Rf	95
TM-30 Rg	104
TLCI (Info)	98
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	16 K
Mired deviation	1.55
Source	Nanlite Forza 720B 100% 3200

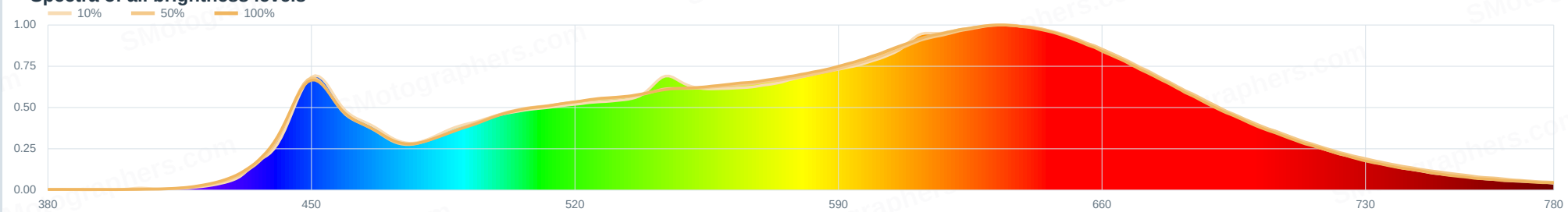
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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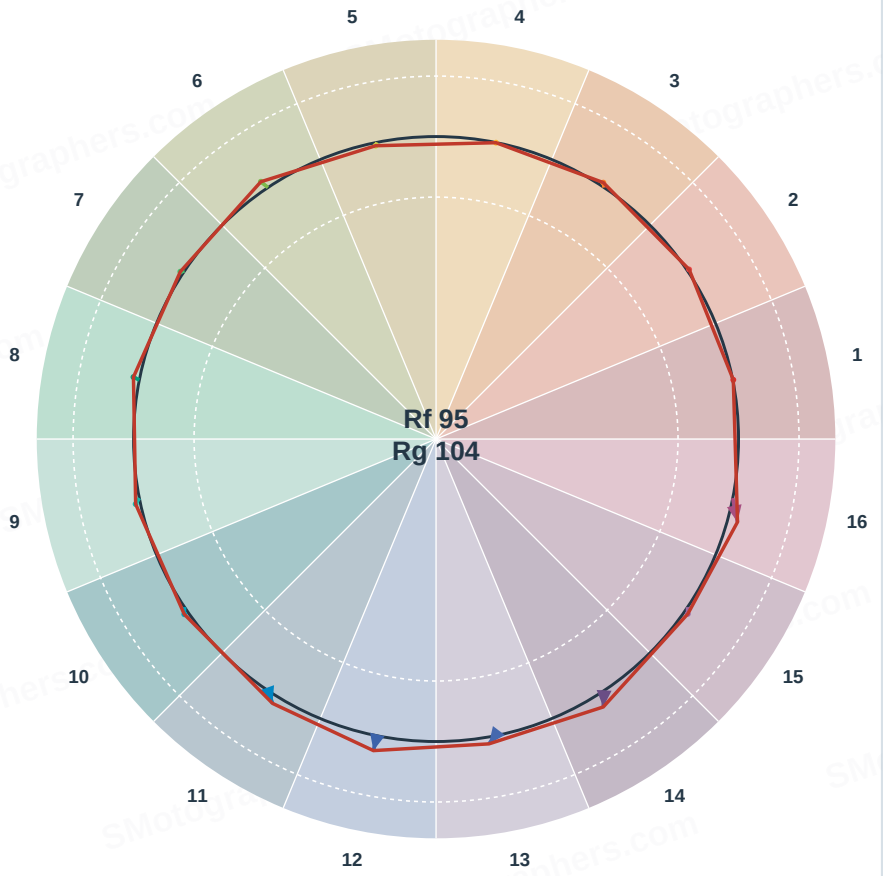
Nanlite Forza 720B

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

LED EVALUATOR

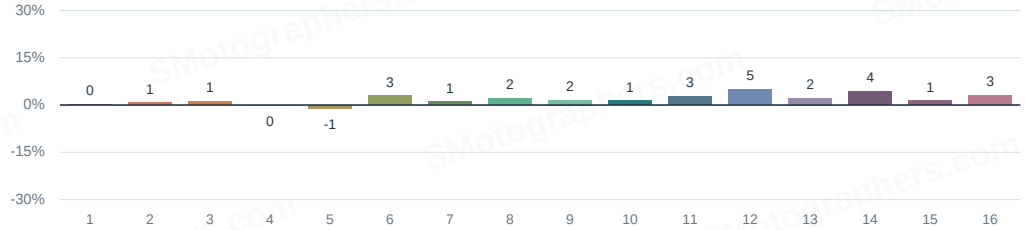
TM-30 RF	TM-30 RG	SSI [P3228]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
95	104	82	3217 K	-0.0052	98	100 %

Color Vector Graphic

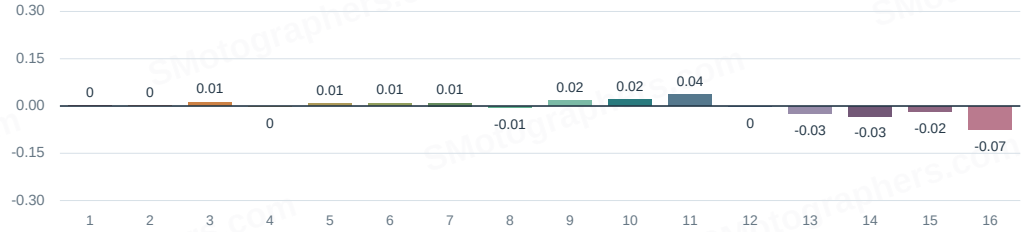


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

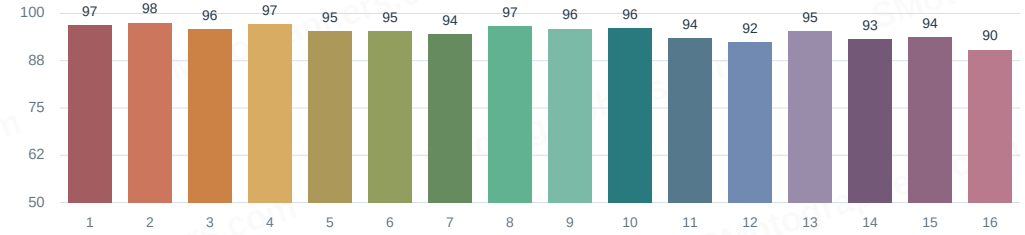
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlite Forza 720B

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

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P3228]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
95	104	82	3217 K	-0.0052	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
+0 % Chroma	+1 % Chroma	+1 % Chroma	-0 % Chroma	-1 % Chroma	+3 % Chroma	+1 % Chroma	+2 % Chroma	+2 % Chroma	+1 % Chroma	+3 % Chroma	+5 % Chroma	+2 % Chroma	+4 % Chroma	+1 % Chroma	+3 % 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 92	CES 4 Rf 98	CES 5 Rf 95	CES 6 Rf 97	CES 7 Rf 97	CES 8 Rf 98	CES 9 Rf 99	CES 98 Rf 98	CES 99 Rf 96
CES 10 Rf 96	CES 11 Rf 99	CES 12 Rf 97	CES 13 Rf 97	CES 14 Rf 99	CES 15 Rf 96	CES 16 Rf 98	CES 17 Rf 98	CES 18 Rf 98	CES 19 Rf 98	CES 20 Rf 85
CES 21 Rf 98	CES 22 Rf 98	CES 23 Rf 99	CES 24 Rf 98	CES 25 Rf 97	CES 26 Rf 98	CES 27 Rf 92	CES 28 Rf 99	CES 29 Rf 99	CES 30 Rf 95	CES 31 Rf 99
CES 32 Rf 94	CES 33 Rf 99	CES 34 Rf 96	CES 35 Rf 98	CES 36 Rf 84	CES 37 Rf 97	CES 38 Rf 91	CES 39 Rf 99	CES 40 Rf 97	CES 41 Rf 98	CES 42 Rf 94
CES 43 Rf 92	CES 44 Rf 100	CES 45 Rf 95	CES 46 Rf 96	CES 47 Rf 95	CES 48 Rf 94	CES 49 Rf 94	CES 50 Rf 97	CES 51 Rf 98	CES 52 Rf 96	CES 53 Rf 95
CES 54 Rf 94	CES 55 Rf 94	CES 56 Rf 97	CES 57 Rf 98	CES 58 Rf 97	CES 59 Rf 98	CES 60 Rf 95	CES 61 Rf 95	CES 62 Rf 91	CES 64 Rf 98	CES 65 Rf 98
CES 66 Rf 98	CES 67 Rf 97	CES 68 Rf 94	CES 63 Rf 99	CES 69 Rf 94	CES 70 Rf 93	CES 71 Rf 91	CES 72 Rf 96	CES 73 Rf 89	CES 75 Rf 92	CES 76 Rf 94
CES 74 Rf 92	CES 77 Rf 92	CES 78 Rf 89	CES 79 Rf 96	CES 80 Rf 95	CES 81 Rf 92	CES 82 Rf 97	CES 83 Rf 97	CES 84 Rf 96	CES 85 Rf 87	CES 86 Rf 96
CES 87 Rf 94	CES 88 Rf 98	CES 89 Rf 92	CES 90 Rf 96	CES 92 Rf 89	CES 91 Rf 79	CES 93 Rf 93	CES 94 Rf 92	CES 95 Rf 89	CES 96 Rf 95	CES 97 Rf 95

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

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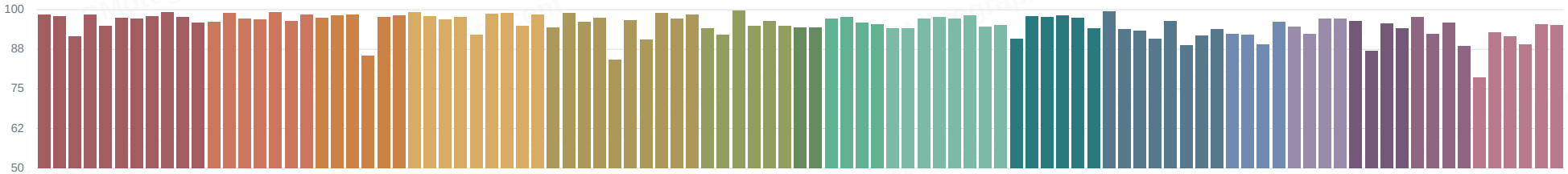
Nanlite Forza 720B

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

LED EVALUATOR

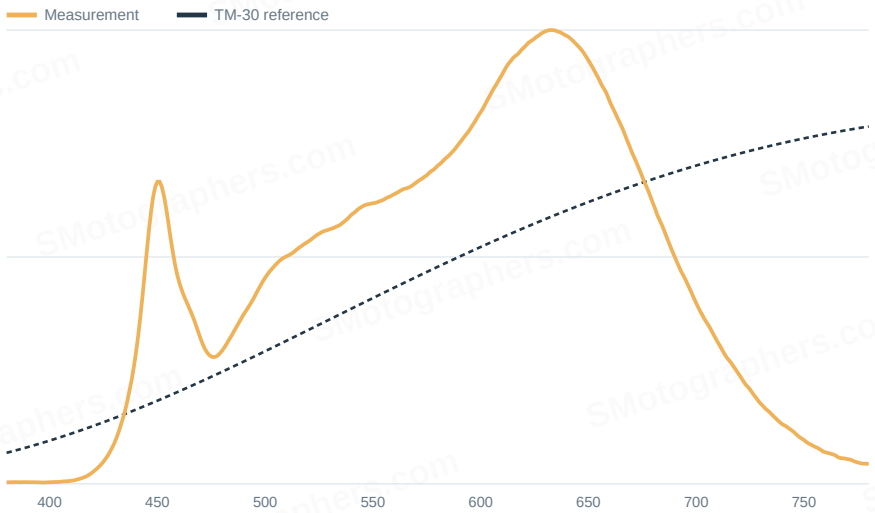
TM-30 RF	TM-30 RG	SSI [P3228]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
95	104	82	3217 K	-0.0052	98	100 %

Fidelity per colour sample Rf,CES1-99

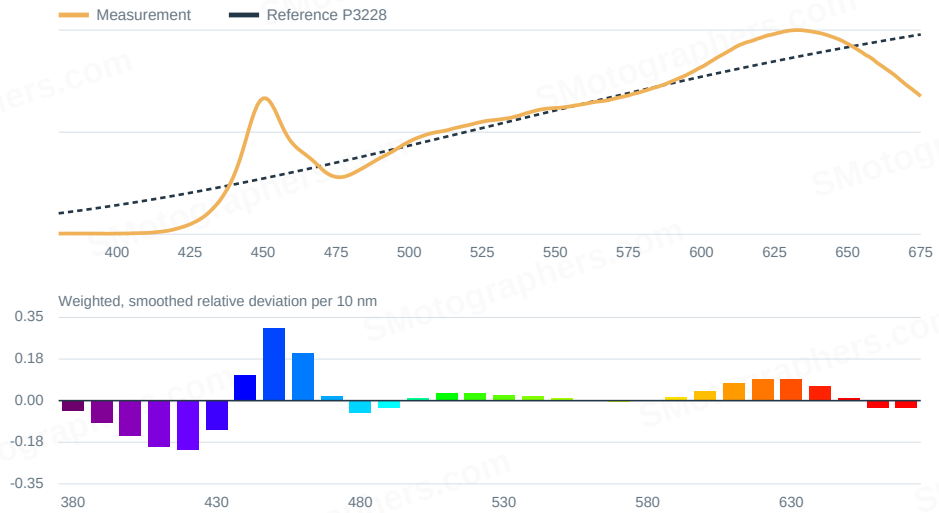


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P3228]



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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Nanlite Forza 720B

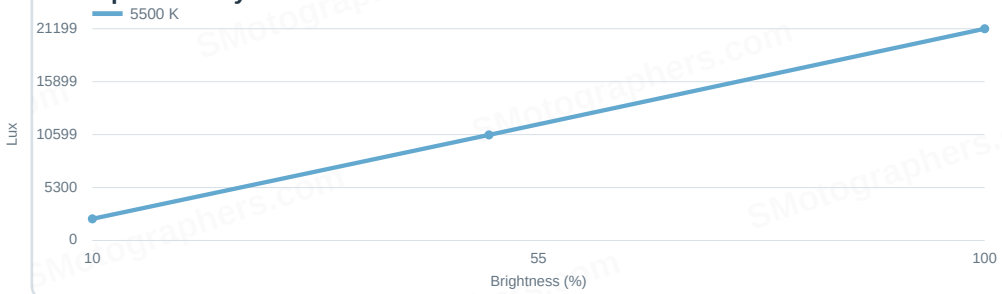
White light detail | Target CCT 5500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	2167	5690 K	-0.00326	6.81	95.6	83.0	450 nm
50%	10571	5726 K	-0.00225	5.57	96.6	89.0	449 nm
100%	21199	5817 K	-0.00281	6.55	96.6	91.0	450 nm

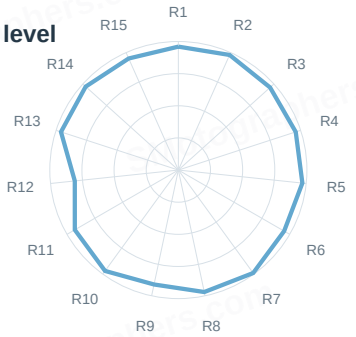
Colour metric	Value
SSI	72
TM-30 Rf	94
TM-30 Rg	103
TLCI (Info)	99
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	317 K
Mired deviation	9.91
Source	Nanlite Forza 720B 100% 5500

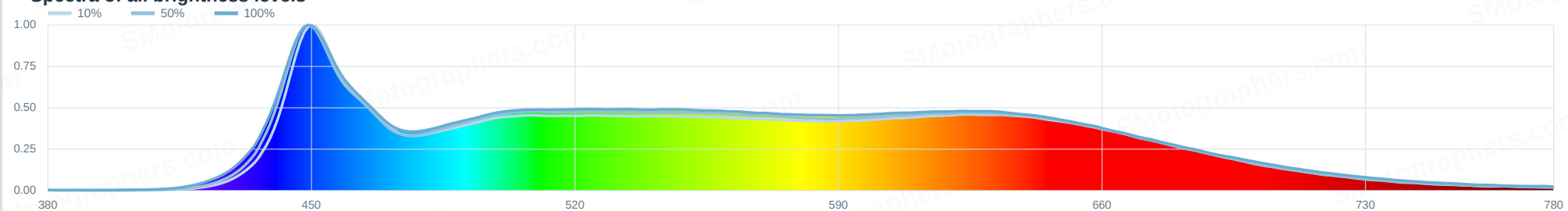
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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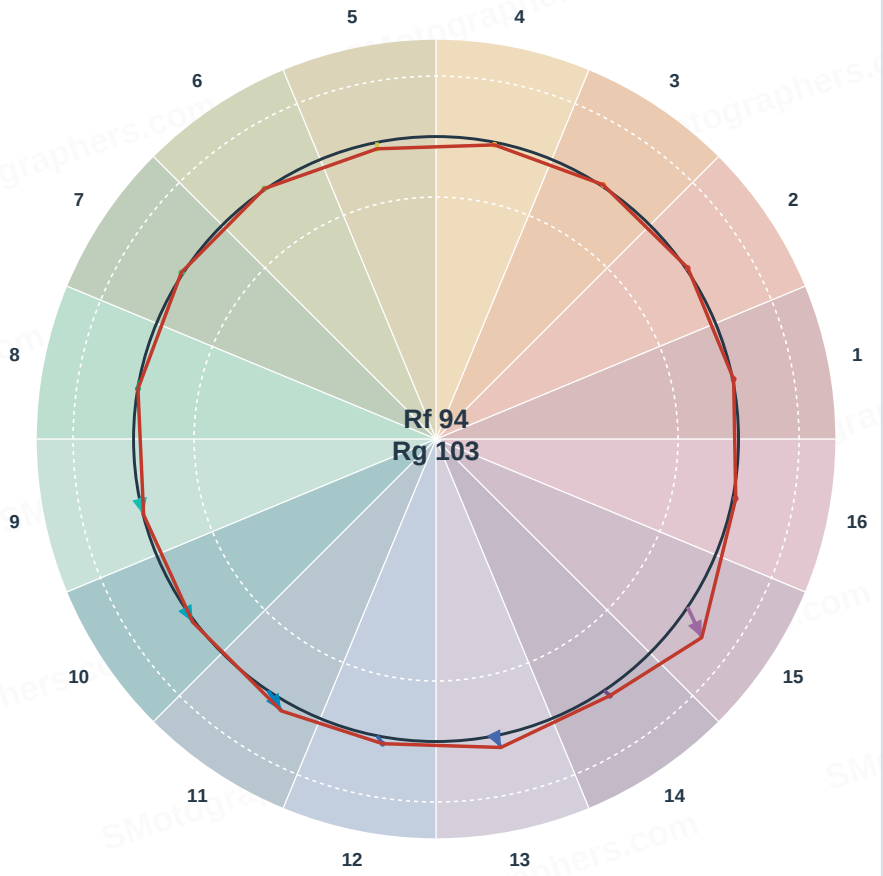
Nanlite Forza 720B

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

LED EVALUATOR

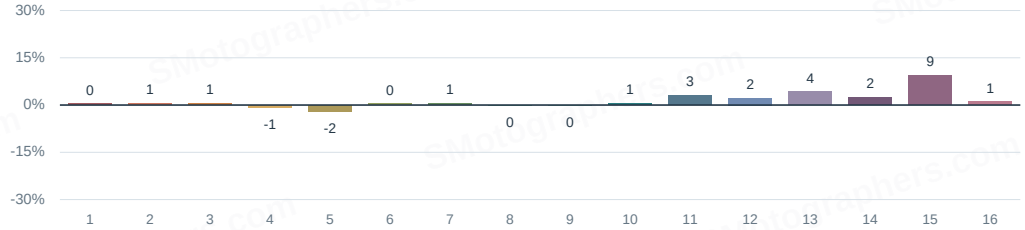
TM-30 RF	TM-30 RG	SSI [D5820]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	103	72	5819 K	-0.0028	99	100 %

Color Vector Graphic

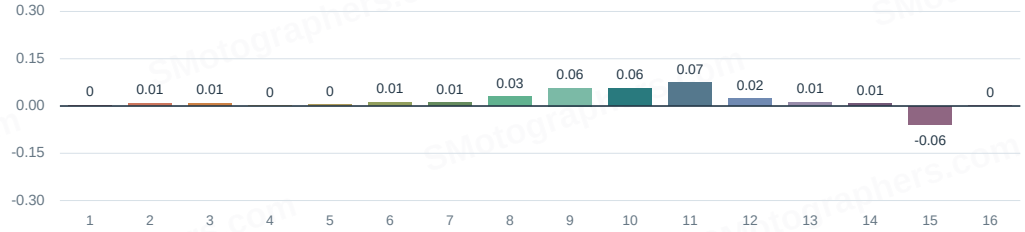


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

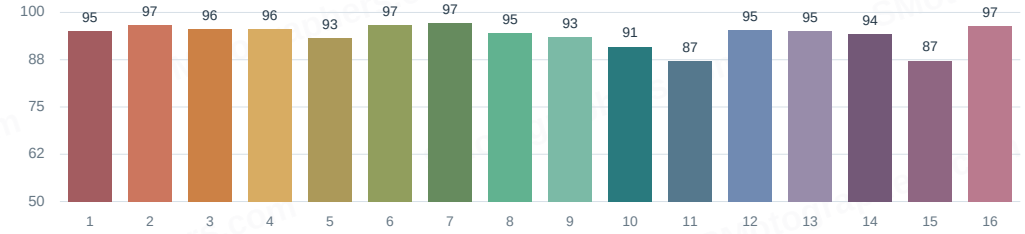
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlite Forza 720B

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

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D5820]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	103	72	5819 K	-0.0028	99	100 %

Hue bins 1-16: average per bin



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

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

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

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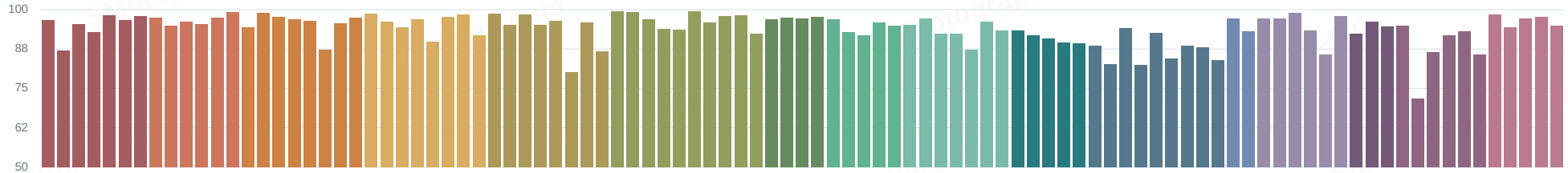
Nanlite Forza 720B

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

LED EVALUATOR

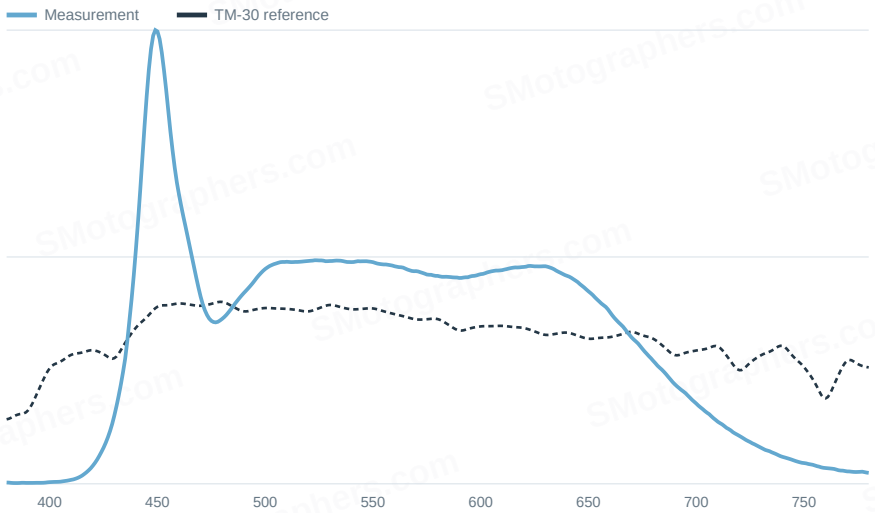
TM-30 RF	TM-30 RG	SSI [D5820]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	103	72	5819 K	-0.0028	99	100 %

Fidelity per colour sample Rf,CES1-99

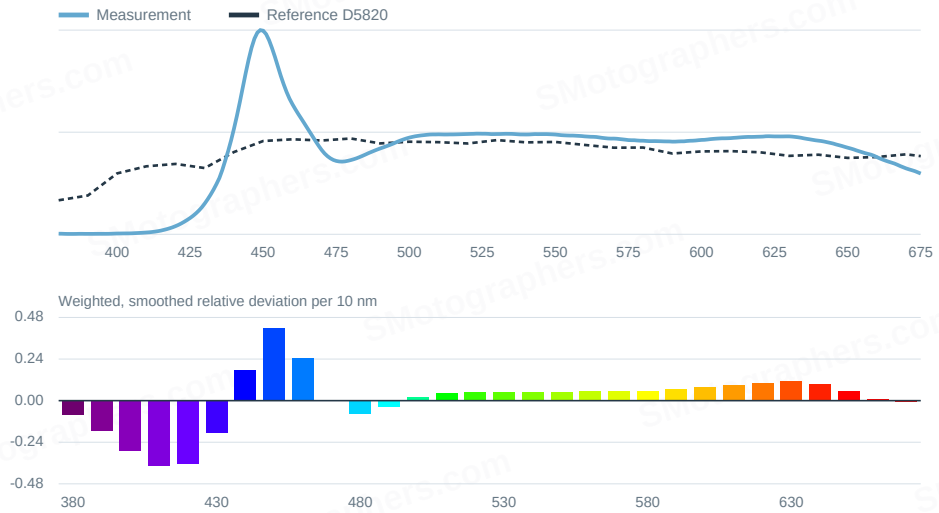


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D5820]



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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Nanlite Forza 720B

White light detail | Target CCT 6500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
100%	20812	6955 K	0.00062	5.22	97.4	95.0	450 nm

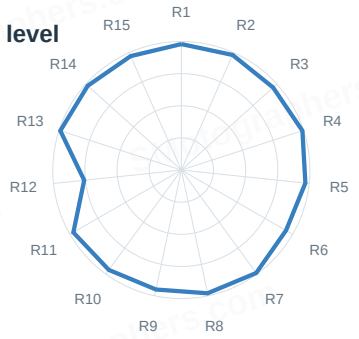
Colour metric	Value
SSI	69
TM-30 Rf	93
TM-30 Rg	101
TLCI (Info)	98
Measurements	1

Check	Value
Brightest level	100%
CCT deviation	455 K
Mired deviation	10.06
Source	Nanlite Forza 720B 100% 6500

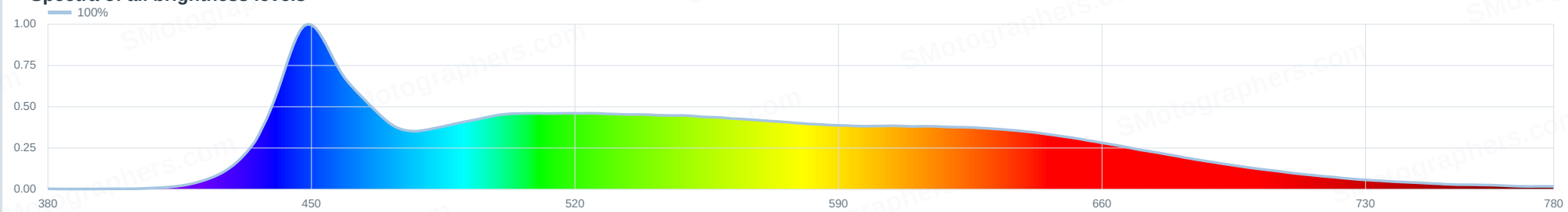
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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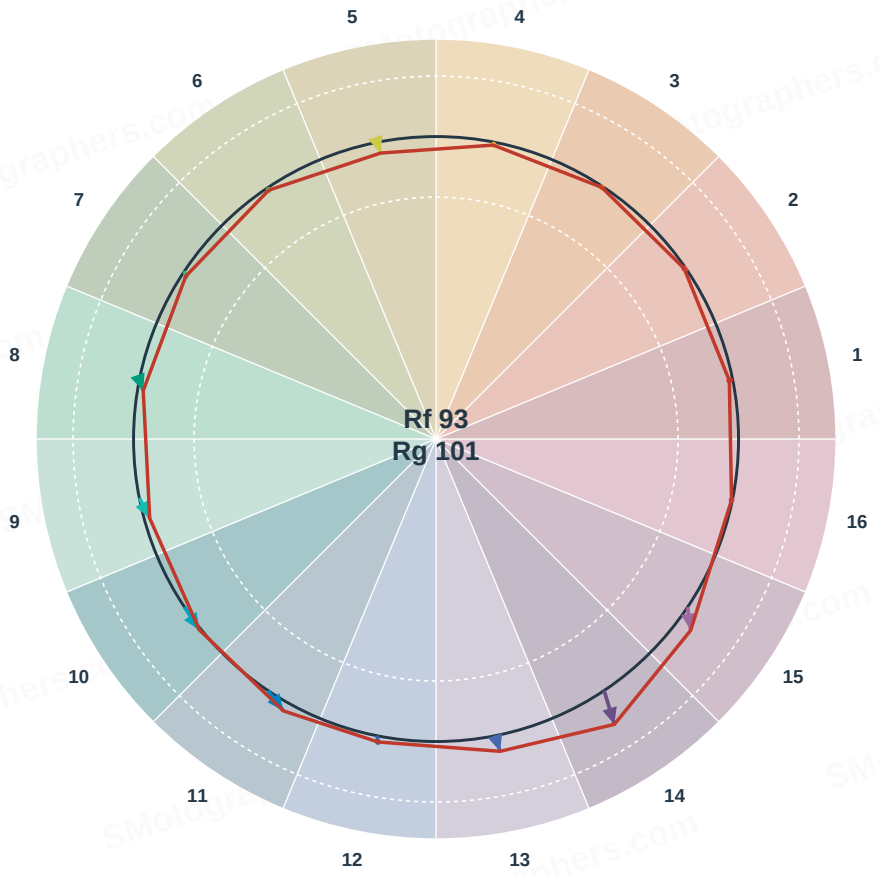
Nanlite Forza 720B

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

LED EVALUATOR

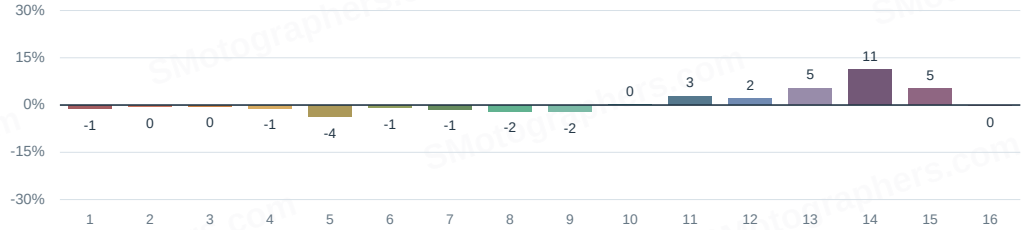
TM-30 RF	TM-30 RG	SSI [D6950]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	101	69	6953 K	0.0006	98	100 %

Color Vector Graphic

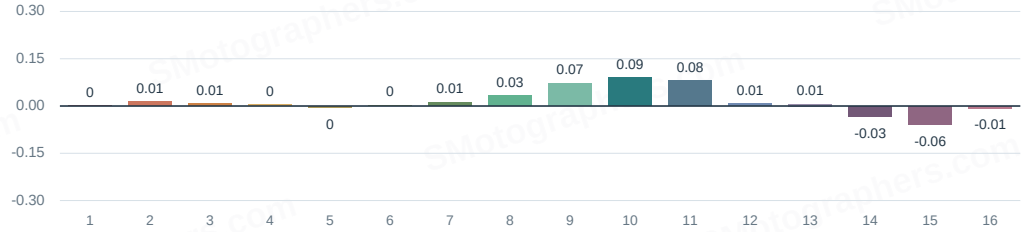


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

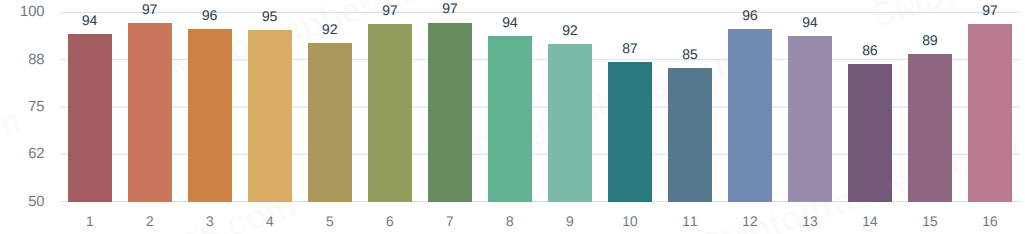
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlite Forza 720B

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

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D6950]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	101	69	6953 K	0.0006	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
-1 % Chroma	-0 % Chroma	-0 % Chroma	-1 % Chroma	-4 % Chroma	-1 % Chroma	-1 % Chroma	-2 % Chroma	-2 % Chroma	+0 % Chroma	+3 % Chroma	+2 % Chroma	+5 % Chroma	+11 % Chroma	+5 % Chroma	-0 % Chroma

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

| | | |

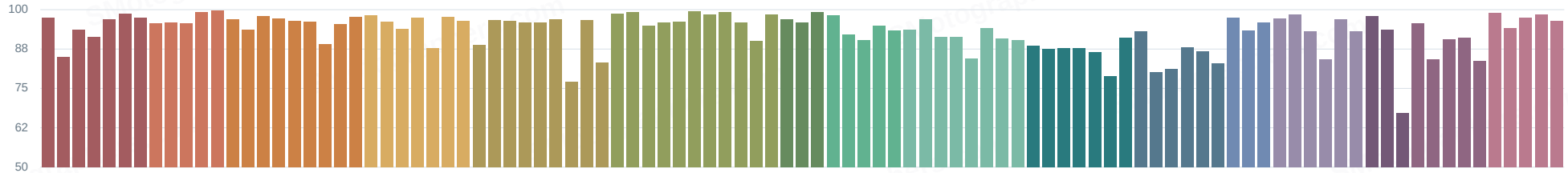
Nanlite Forza 720B

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

LED EVALUATOR

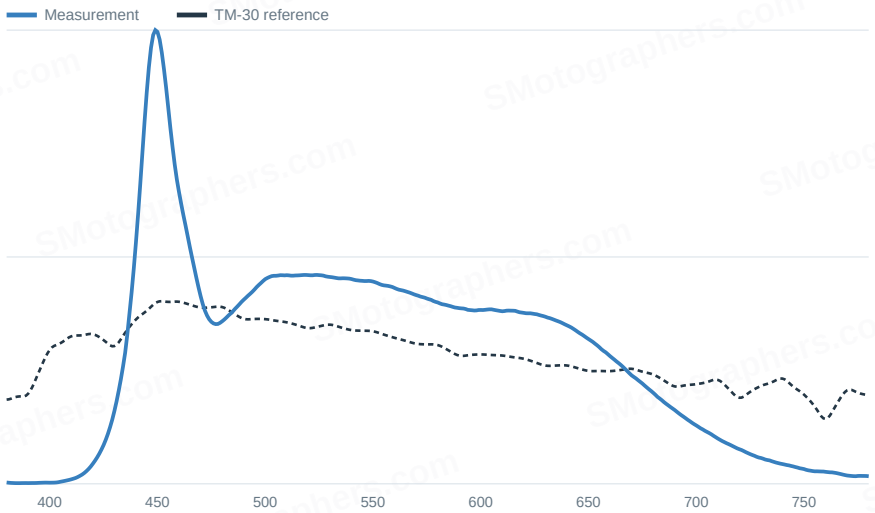
TM-30 RF	TM-30 RG	SSI [D6950]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	101	69	6953 K	0.0006	98	100 %

Fidelity per colour sample Rf,CES1-99

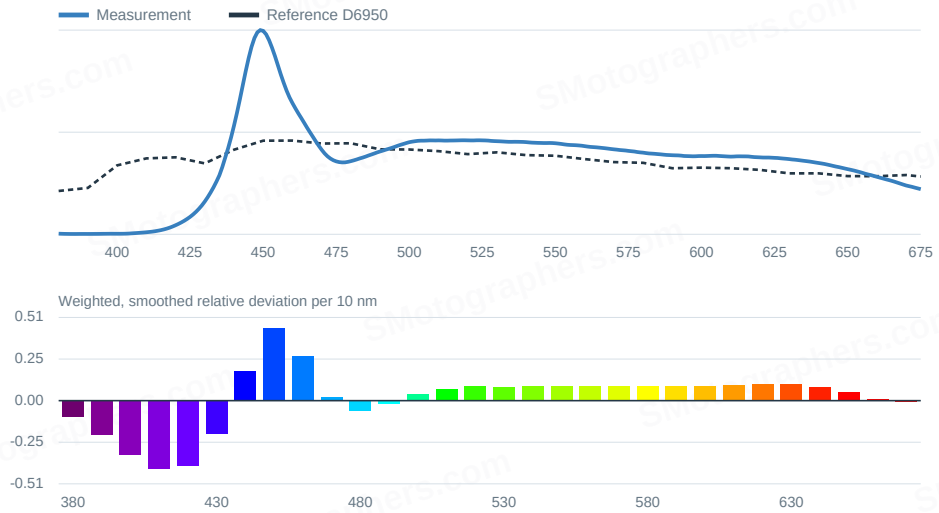


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D6950]



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

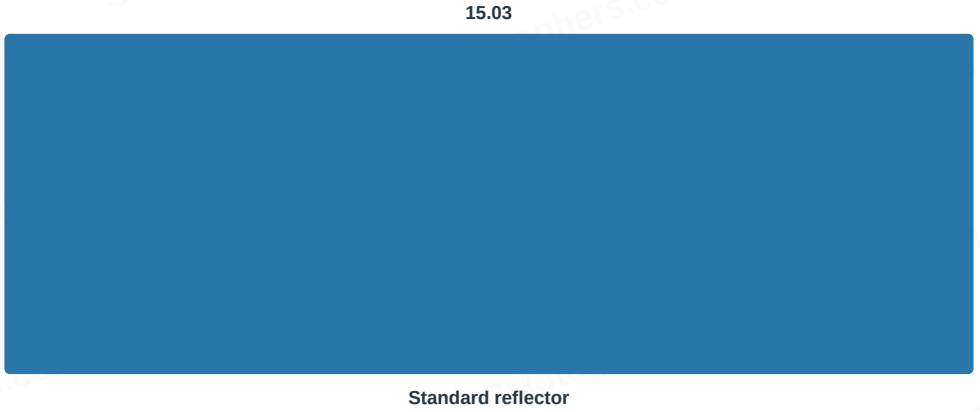
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Nanlite Forza 720B

Reflectors | Maximum output

Reflector	Target CCT	Lux	EV	Measured CCT	Duv	Source
Standard reflector	-	83562	15.03	5471 K	-0.00053	Nanlite Forza 720B 100% max with reflector

Max EV per reflector



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