



NANDO 1202

PHOTOMETRY



AYRTON

Digital Lighting



Total Flux	25,000 lm (Sphere, fan mode Stage, wide zoom)
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CCT balanced white	6500 (±500K)
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Ra balanced white	83 (±2)
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TLCI balanced white	81
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TM-30 balanced white	Rf: 82 Rg: 107,5
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Fan Mode	Noise Level (dBA)	by Goniometer (lm)	by Sphere (lm)
Auto	46	19,500	24,000
Stage	50	20,300	25,000
Silence	38	15,000	18,400
Super Silence	33	10,000	12,300

Note: noise measured @1m distance, static status, ambient 31 dBA.

Voltage / Power	120-240 V, 50-60 Hz	1450 W
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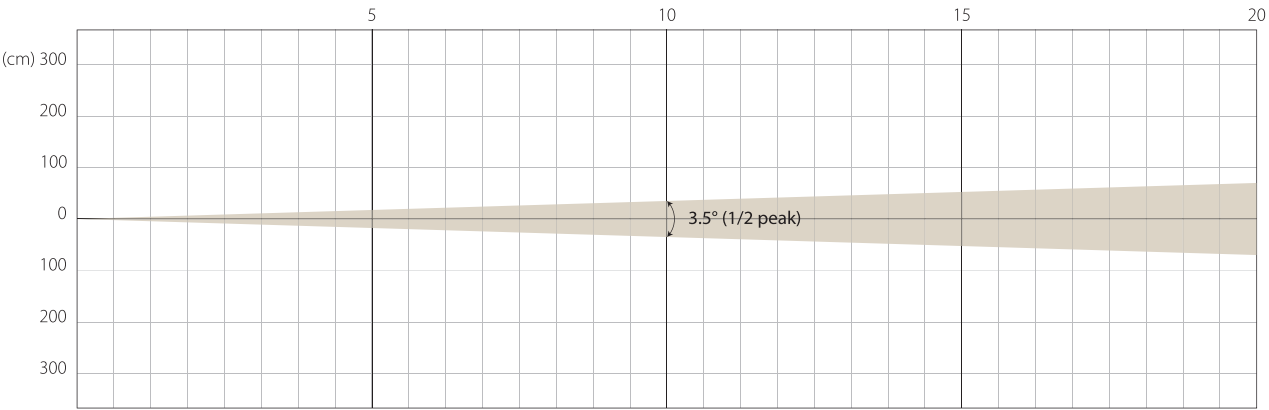
Fixture Dimension / Weight	446 x 562 x 356	27.6 kg
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Packing Dimension / Weight	505 x 665 x 410	37.1 kg
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AUTO MODE

MIN ZOOM

BEAM OPENING

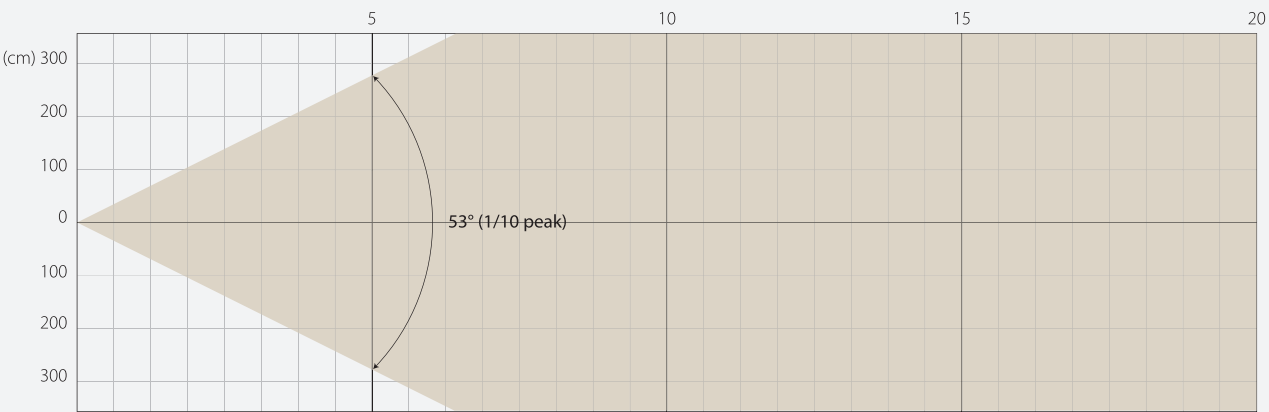


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	17691	0.35	4423	0.7	1966	1.05	1106	1.4
Green	43230	"	10808	"	4803	"	2702	"
Blue	9056	"	2264	"	1006	"	566	"
Lime	53726	"	13431	"	5970	"	3358	"
RGB-L	103497	"	25874	"	11500	"	6469	"

MAX ZOOM

BEAM OPENING



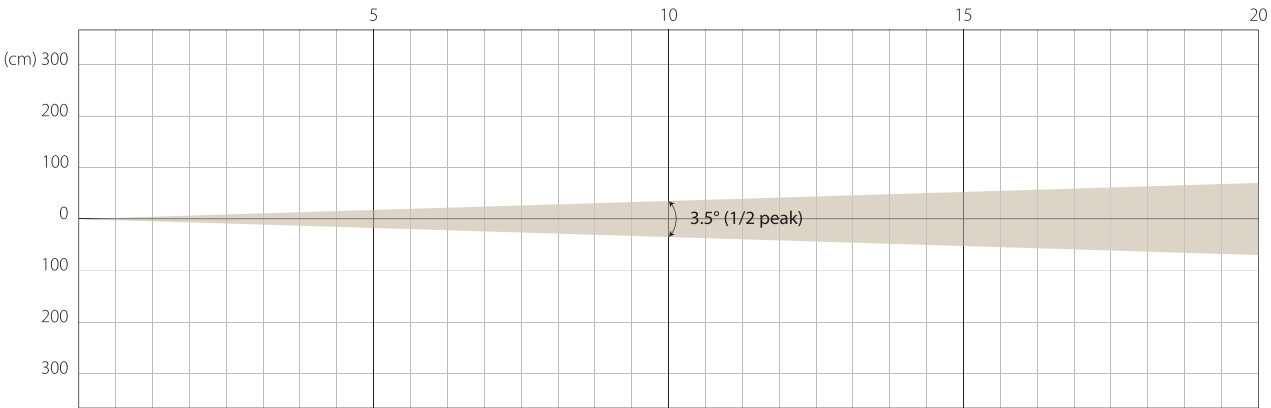
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	408	5.54	102	11.09	45	16.63	26	22.17
Green	1051	"	263	"	117	"	66	"
Blue	220	"	55	"	24	"	14	"
Lime	1207	"	302	"	134	"	75	"
RGB-L	2476	"	619	"	275	"	155	"

STAGE MODE

MIN ZOOM

BEAM OPENING

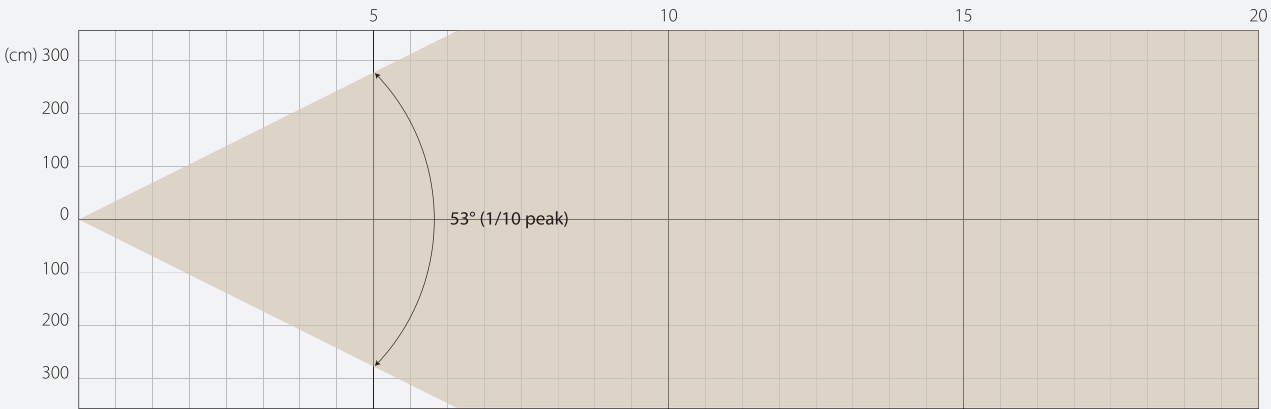


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	18298	0.35	4574	0.7	2033	1.05	1144	1.4
Green	43502	"	10876	"	4834	"	2719	"
Blue	9078	"	2269	"	1009	"	567	"
Lime	53949	"	13487	"	5994	"	3372	"
RGB-L	108364	"	27091	"	12040	"	6773	"

MAX ZOOM

BEAM OPENING

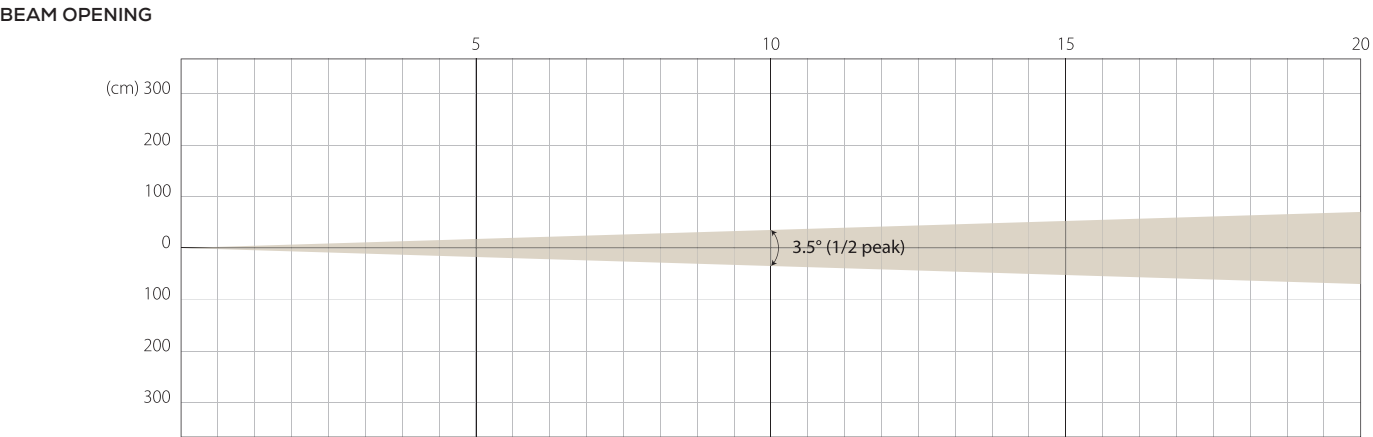


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	437	5.54	109	11.09	49	16.63	27	22.17
Green	1053	"	263	"	117	"	66	"
Blue	225	"	56	"	25	"	14	"
Lime	1199	"	300	"	133	"	75	"
RGB-L	2589	"	647	"	288	"	162	"

SILENCE MODE

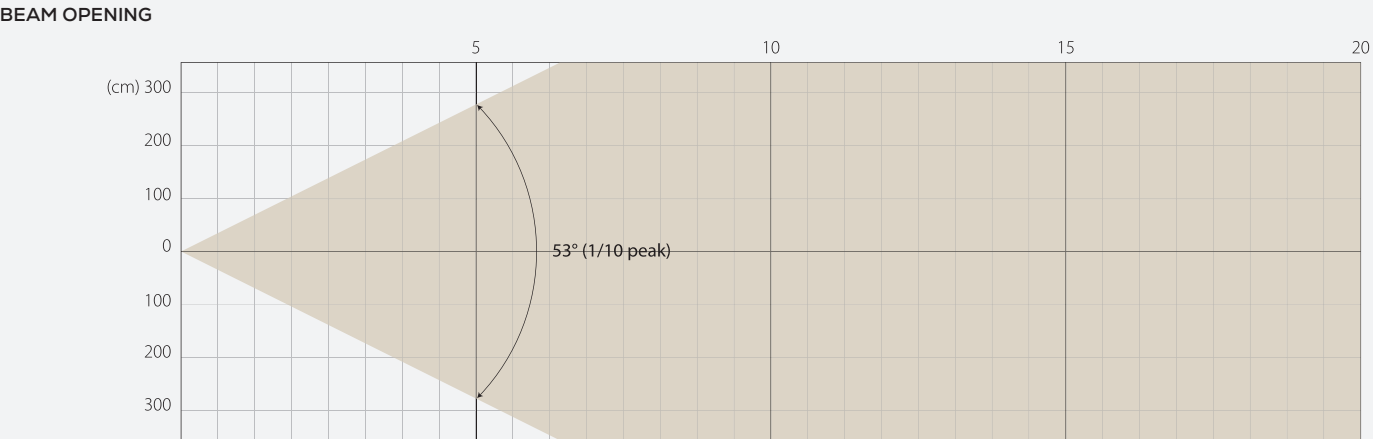
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	14378	0.35	3595	0.7	1598	1.05	899	1.4
Green	31241	"	7810	"	3471	"	1953	"
Blue	6449	"	1612	"	717	"	403	"
Lime	39117	"	9779	"	4346	"	2445	"
RGB-L	79643	"	19911	"	8849	"	4978	"

MAX ZOOM



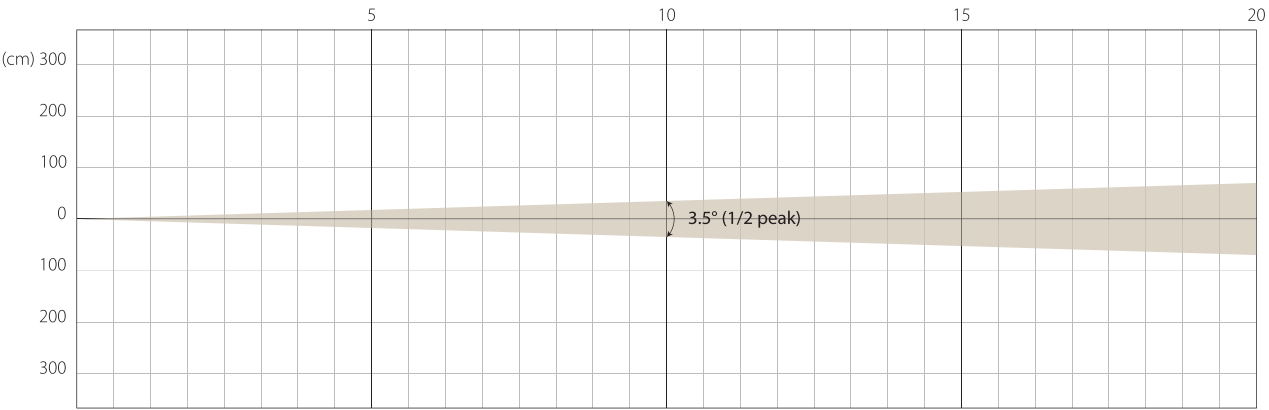
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	326	5.54	82	11.09	36	16.63	20	22.17
Green	757	"	189	"	84	"	47	"
Blue	157	"	39	"	17	"	10	"
Lime	880	"	220	"	98	"	55	"
RGB-L	1893	"	473	"	210	"	118	"

SUPER SILENCE MODE

MIN ZOOM

BEAM OPENING

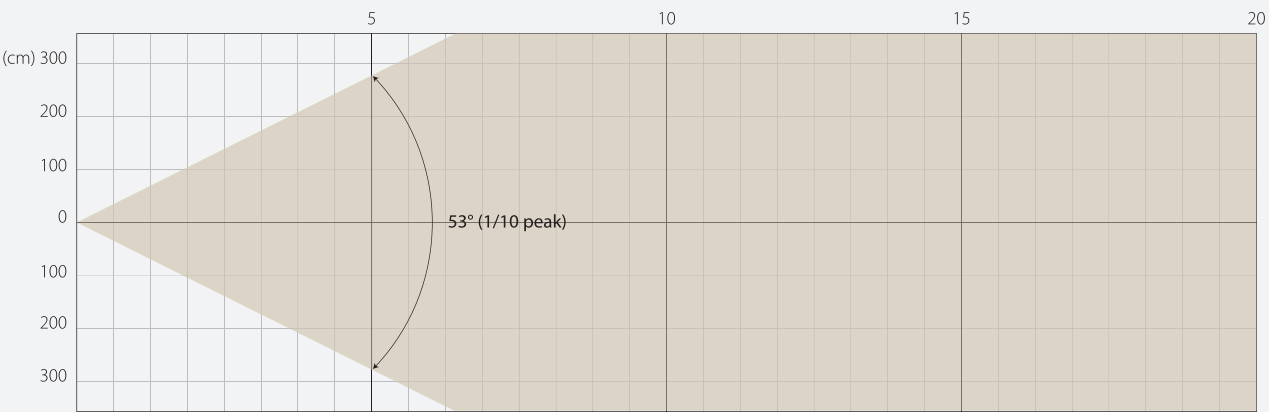


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	10086	0.35	2521	0.7	1121	1.05	630	1.4
Green	20081	"	5020	"	2231	"	1255	"
Blue	4102	"	1025	"	456	"	256	"
Lime	25121	"	6280	"	2791	"	1570	"
RGB-L	52767	"	13192	"	5863	"	3298	"

MAX ZOOM

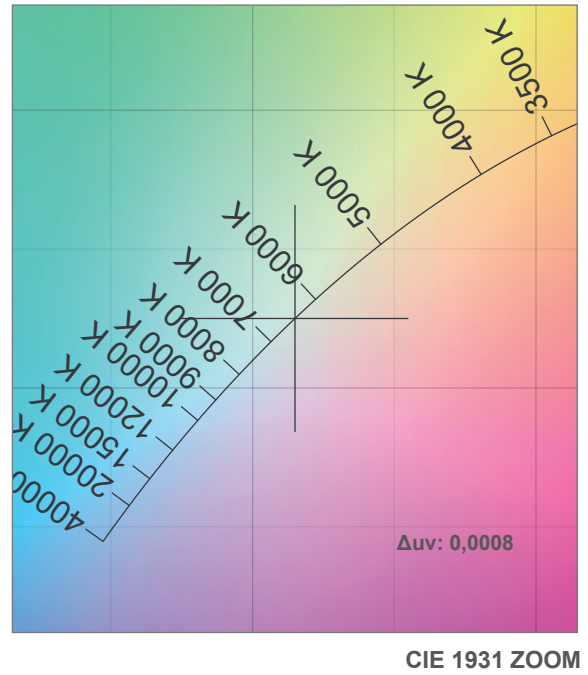
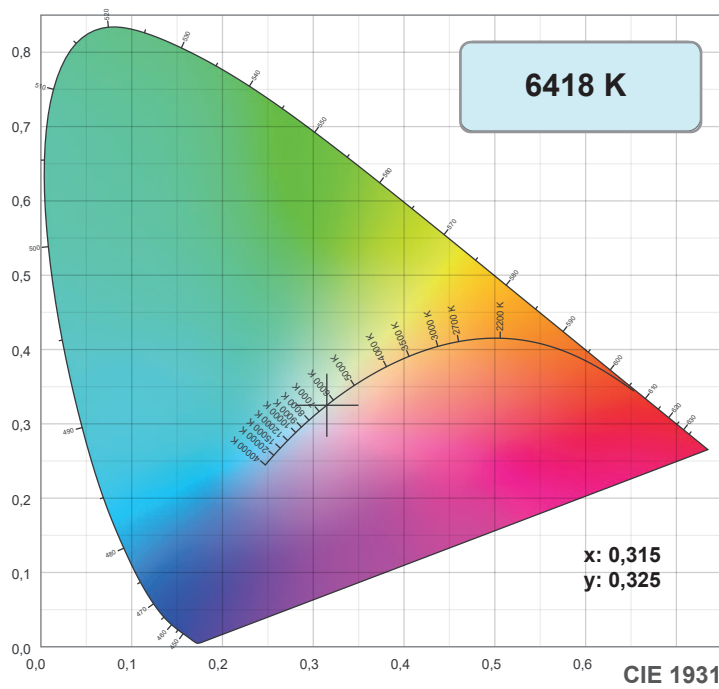
BEAM OPENING



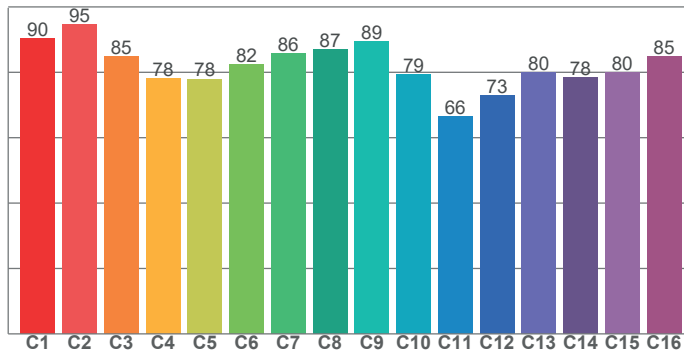
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	242	5,54	61	11,09	27	16,63	15	22,17
Green	489	"	122	"	54	"	31	"
Blue	100	"	25	"	11	"	6	"
Lime	565	"	141	"	63	"	35	"
RGB-L	1250	"	313	"	139	"	78	"

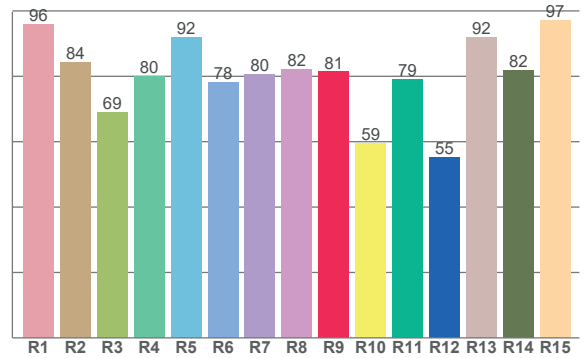
COLOUR DETAILS - BALANCED WHITE



TM-30: 82,0



CRI: 82,7 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,8	84,2	69,1	79,9	91,8	78,3	80,4	82,1	81,4	59,4	79,0	55,2	91,9	81,7	97,1

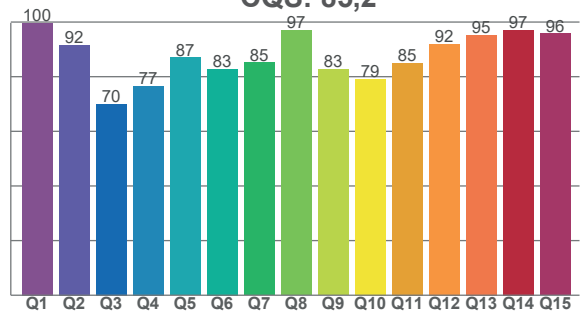
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,3	94,6	84,9	78,2	78,0	82,4	85,8	87,1	89,4	79,3	66,4	73,0	79,9	78,3	80,0	84,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	91,7	70,0	76,7	87,0	82,8	85,1	97,0	82,7	79,2	85,0	92,0	95,3	97,1	95,8

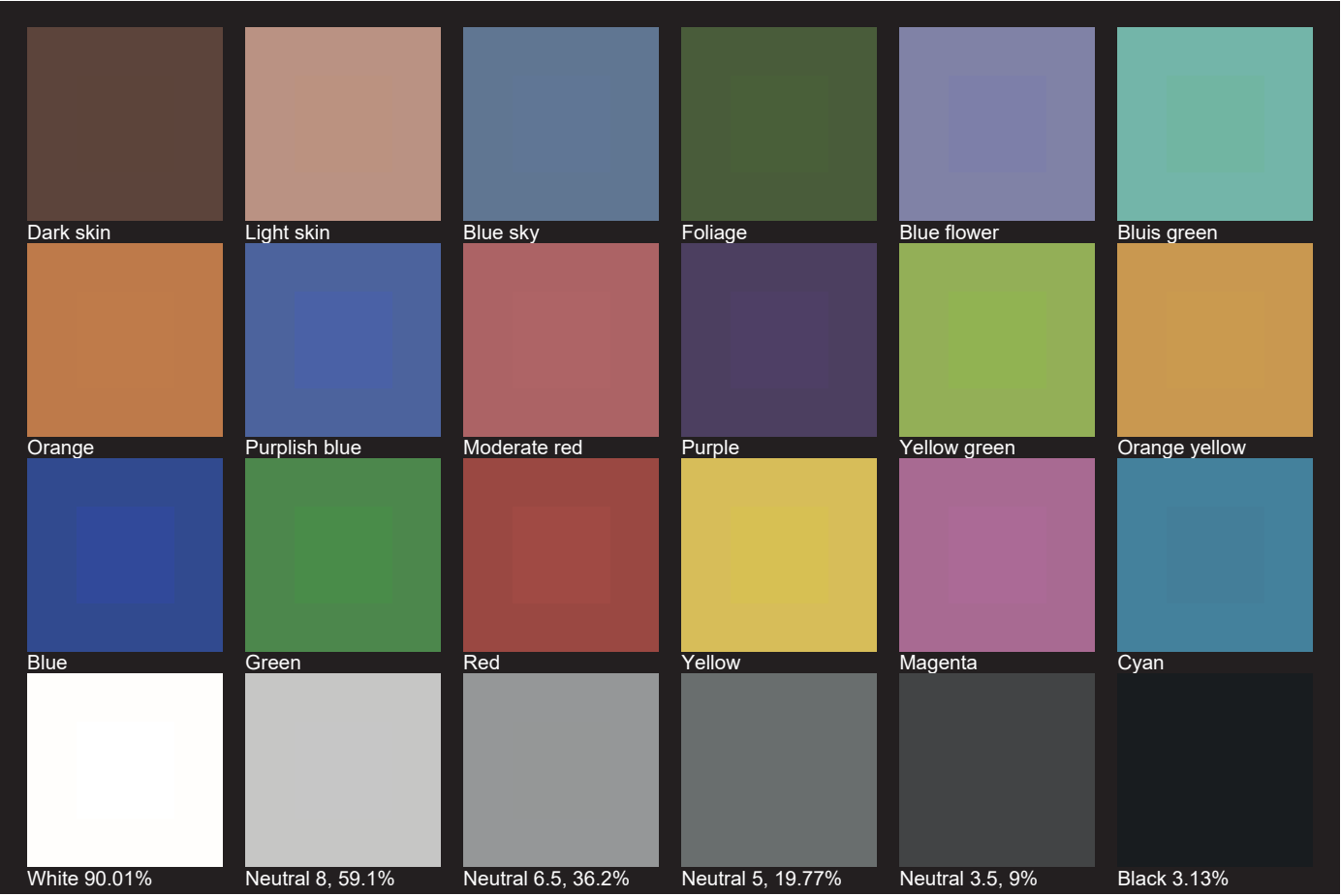
CQS: 85,2



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6418 K	82,7	81,4	82,0	107,5	85,2	0,315	0,325	0,201	0,311	0,0008

TLCI 81





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