



NANDO 502 WASH

PHOTOMETRY



AYRTON

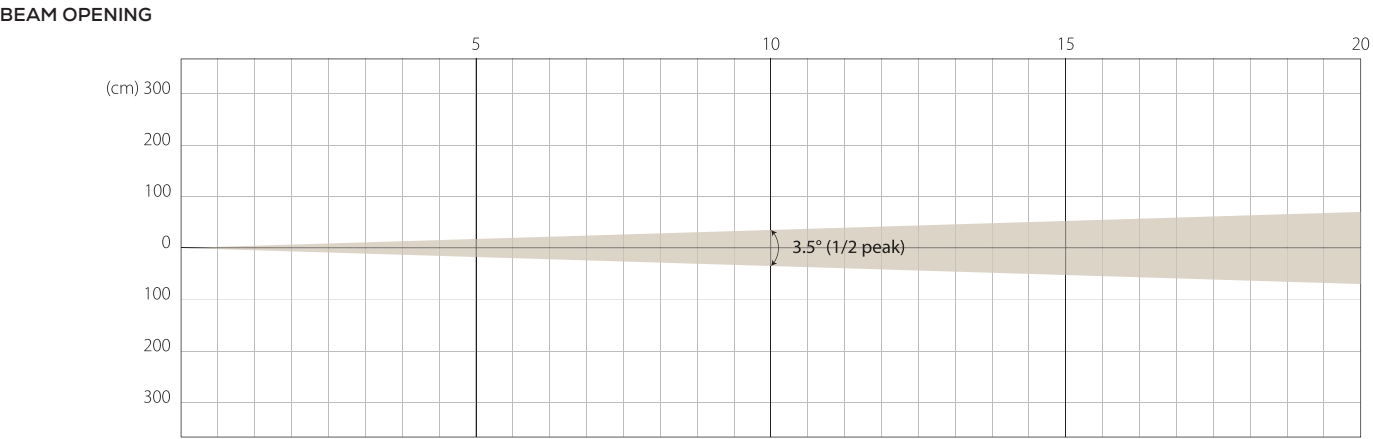
Digital Lighting



Total Flux	11,000 lm (Sphere, fan mode Stage, wide zoom)		
CCT balanced white	6500 K (±500 K)		
Ra balanced white	77 (±2)		
TLCI balanced white	66		
TM-30 balanced white	Rf: 82,8 Rg: 112,3		
Fan Mode	Noise Level (dBA)	by Goniometer (lm)	by Sphere (lm)
Auto	40.2	8,221	10,012
Stage	46.1	8,848	10,842
Silence	35.2	6,386	8,182
Super Silence	32.4	4,192	5,209
Note: noise measured @1m distance, static status, ambient 31 dBA.			
Voltage / Power	100-240V, 50-60Hz	550 W	
Fixture Dimension / Weight	342 x 447 x 268 mm	15.6 kg	
Packing Dimension / Weight	395 x 480 x 335 mm	23.1 kg	

AUTO MODE

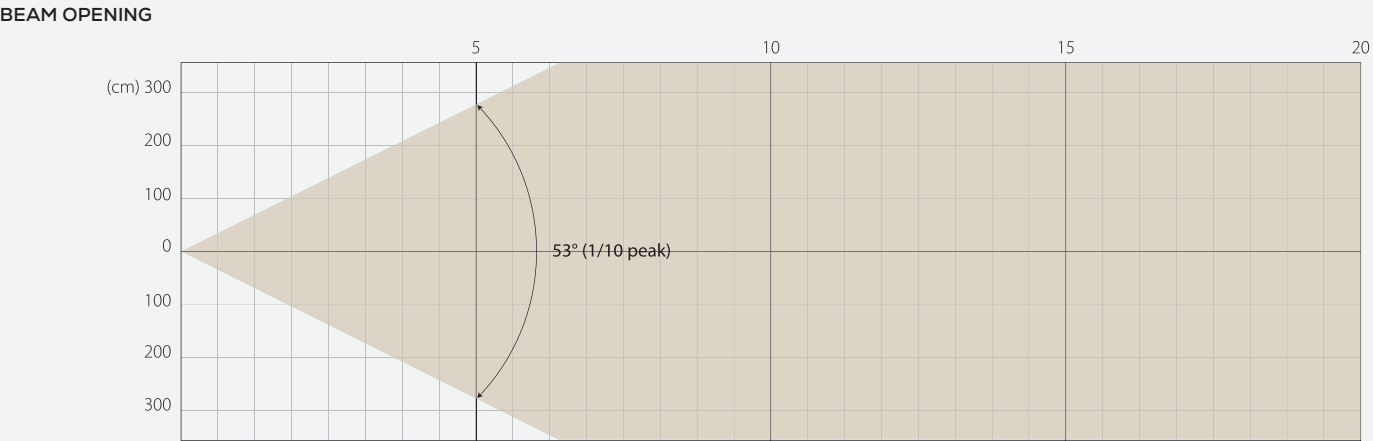
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	8359	0.35	2090	0.7	929	1.05	522	1.4
Green	19583	"	4896	"	2176	"	1224	"
Blue	4231	"	1058	"	470	"	264	"
Lime	23909	"	5977	"	2656	"	1494	"
RGB-L	47979	"	11994	"	5331	"	2999	"

MAX ZOOM



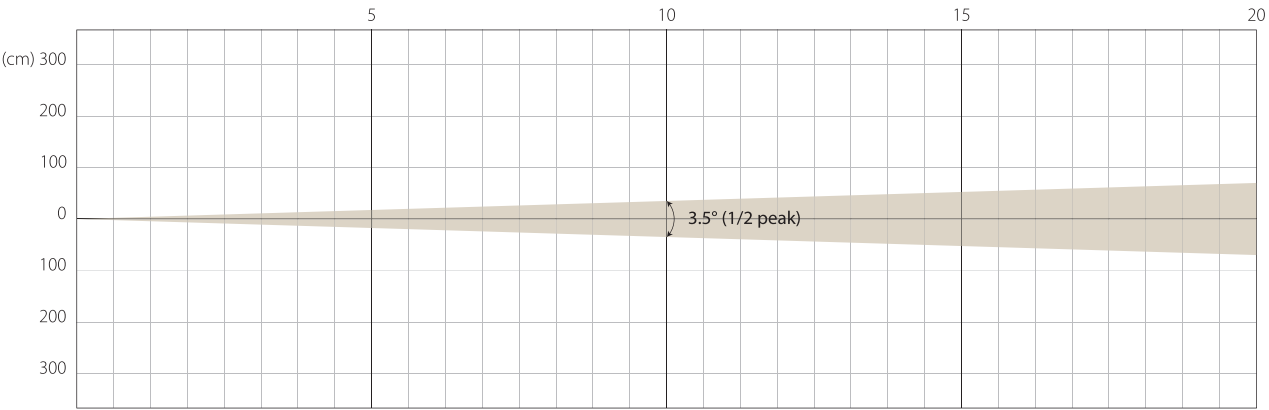
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	187	5.54	46	11.09	21	16.63	12	22.17
Green	385	"	96	"	43	"	24	"
Blue	84	"	21	"	9	"	5	"
Lime	471	"	117	"	52	"	29	"
RGB-L	958	"	239	"	107	"	60	"

STAGE MODE

MIN ZOOM

BEAM OPENING

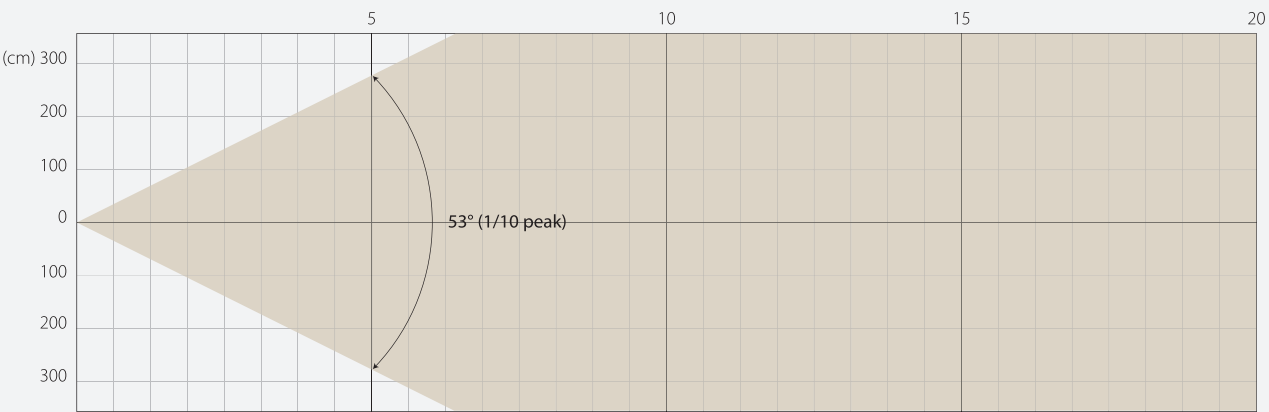


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	8777	0.35	2195	0.7	975	1.05	548	1.4
Green	20562	"	5141	"	2285	"	1285	"
Blue	4443	"	1111	"	494	"	277	"
Lime	25104	"	6276	"	2789	"	1569	"
RGB-L	50378	"	12594	"	5598	"	3149	"

MAX ZOOM

BEAM OPENING



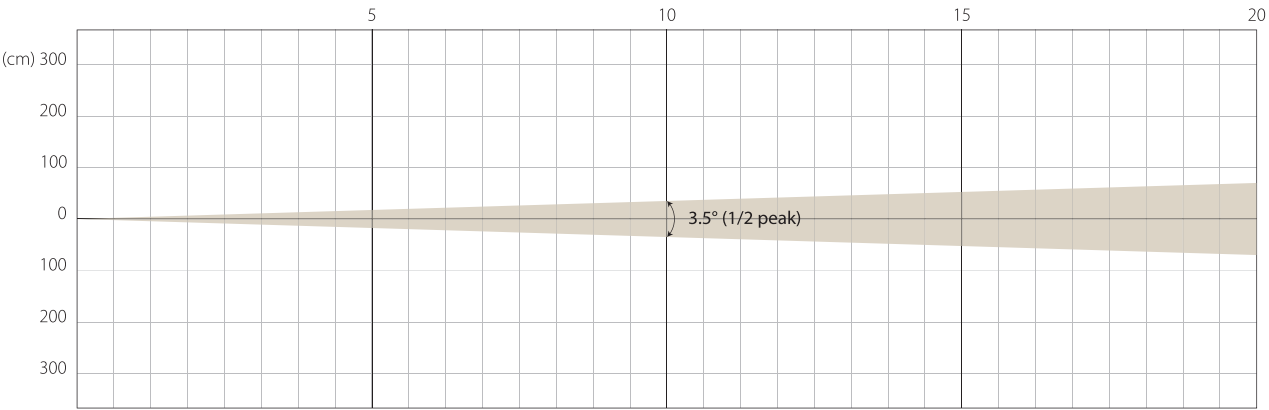
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	196	5.54	48	11.09	22	16.63	13	22.17
Green	404	"	101	"	45	"	25	"
Blue	88	"	22	"	9	"	5	"
Lime	495	"	123	"	55	"	30	"
RGB-L	1006	"	251	"	112	"	63	"

SILENCE MODE

MIN ZOOM

BEAM OPENING

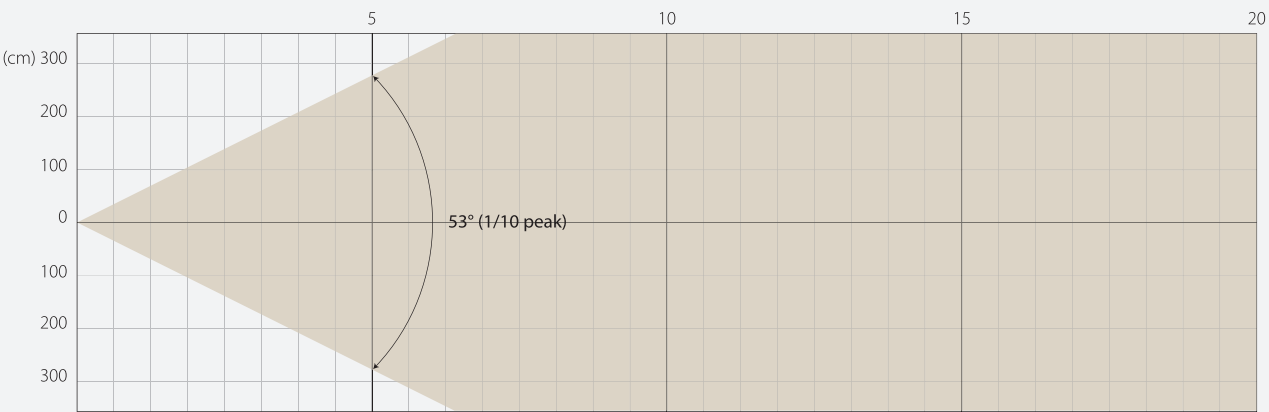


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	6353	0.35	1588	0.7	706	1.05	397	1.4
Green	14883	"	3721	"	1654	"	930	"
Blue	3216	"	804	"	357	"	201	"
Lime	18171	"	4543	"	2019	"	1135	"
RGB-L	36464	"	9115	"	4052	"	2279	"

MAX ZOOM

BEAM OPENING



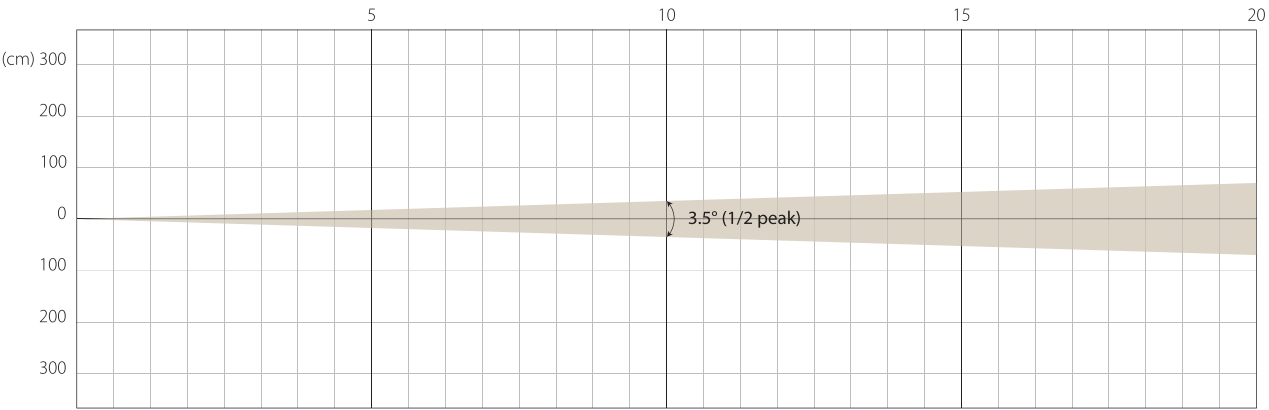
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	142	5.54	35	11.09	16	16.63	9	22.17
Green	293	"	73	"	33	"	18	"
Blue	64	"	16	"	7	"	4	"
Lime	358	"	89	"	40	"	22	"
RGB-L	728	"	182	"	81	"	46	"

SUPER SILENCE MODE

MIN ZOOM

BEAM OPENING

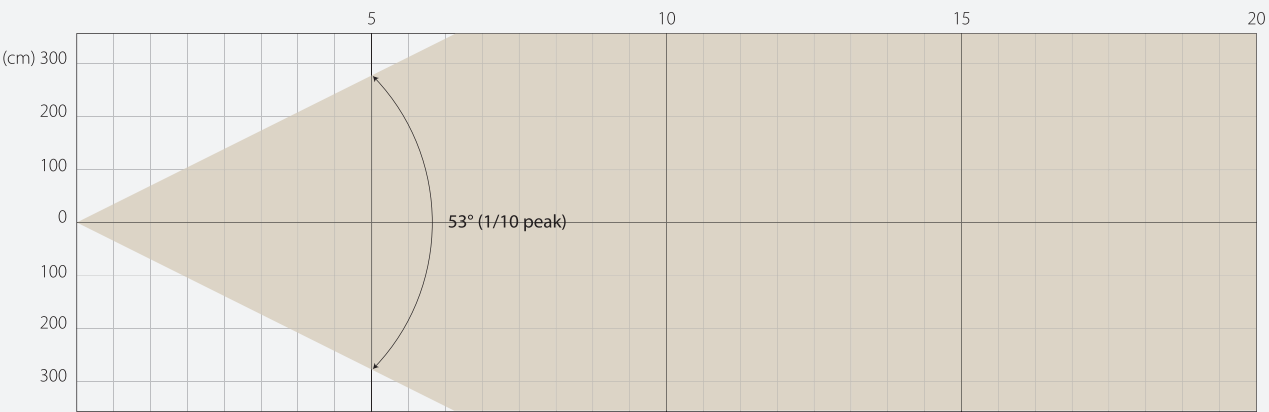


INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	3678	0.35	920	0.7	409	1.05	230	1.4
Green	8617	"	2154	"	957	"	539	"
Blue	1862	"	466	"	207	"	116	"
Lime	10520	"	2630	"	1169	"	657	"
RGB-L	21111	"	5277	"	2346	"	1320	"

MAX ZOOM

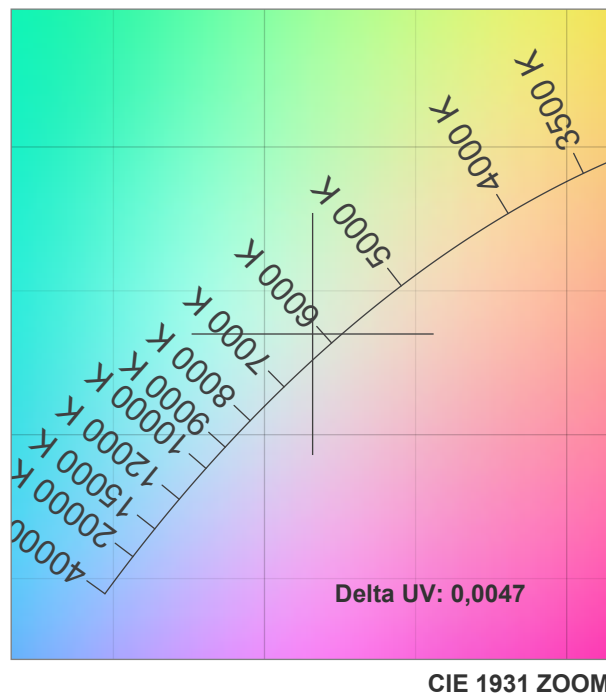
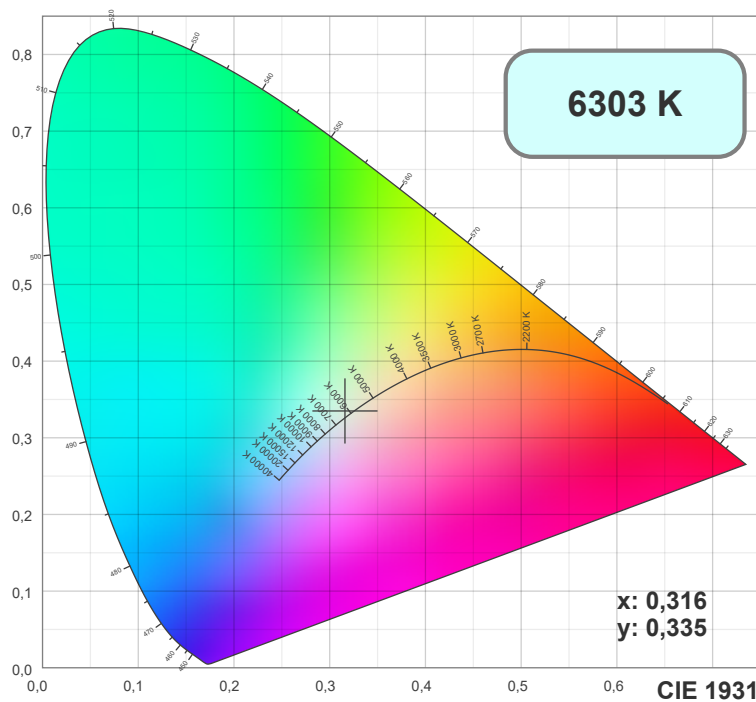
BEAM OPENING



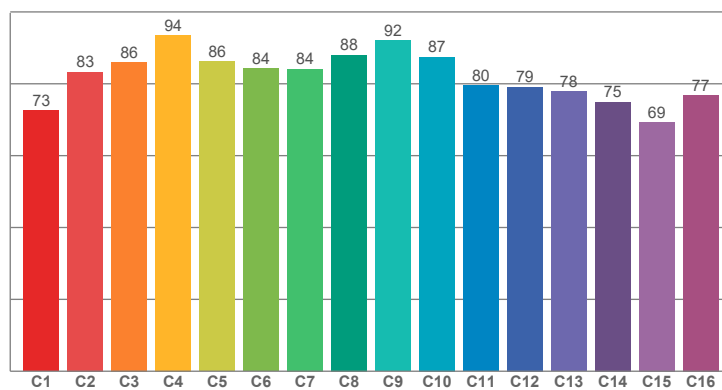
INTENSITY

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
Red	82	5,54	20	11,09	9	16,63	5	22,17
Green	169	"	42	"	19	"	11	"
Blue	37	"	9	"	4	"	2	"
Lime	207	"	51	"	23	"	13	"
RGB-L	422	"	105	"	47	"	26	"

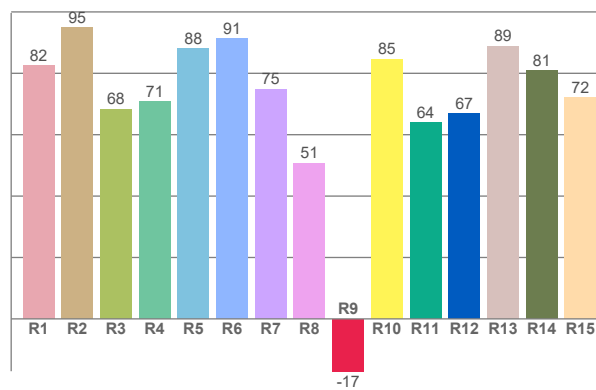
COLOUR DETAILS



TM30: 82,8



CRI: 77,7 (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
82,46	94,92	68,41	70,92	88,05	91,38	74,91	50,80	-17,06	84,70	63,90	66,80	88,92	80,94	72,24

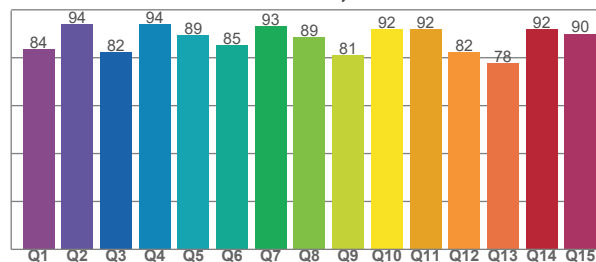
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
72,63	83,33	86,02	93,56	86,17	84,23	84,13	88,01	92,07	87,49	79,53	79,12	77,79	74,98	69,34	76,86

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,59	93,85	82,44	94,19	89,49	85,09	93,23	88,57	81,18	91,97	92,07	82,25	77,78	91,74	90,04

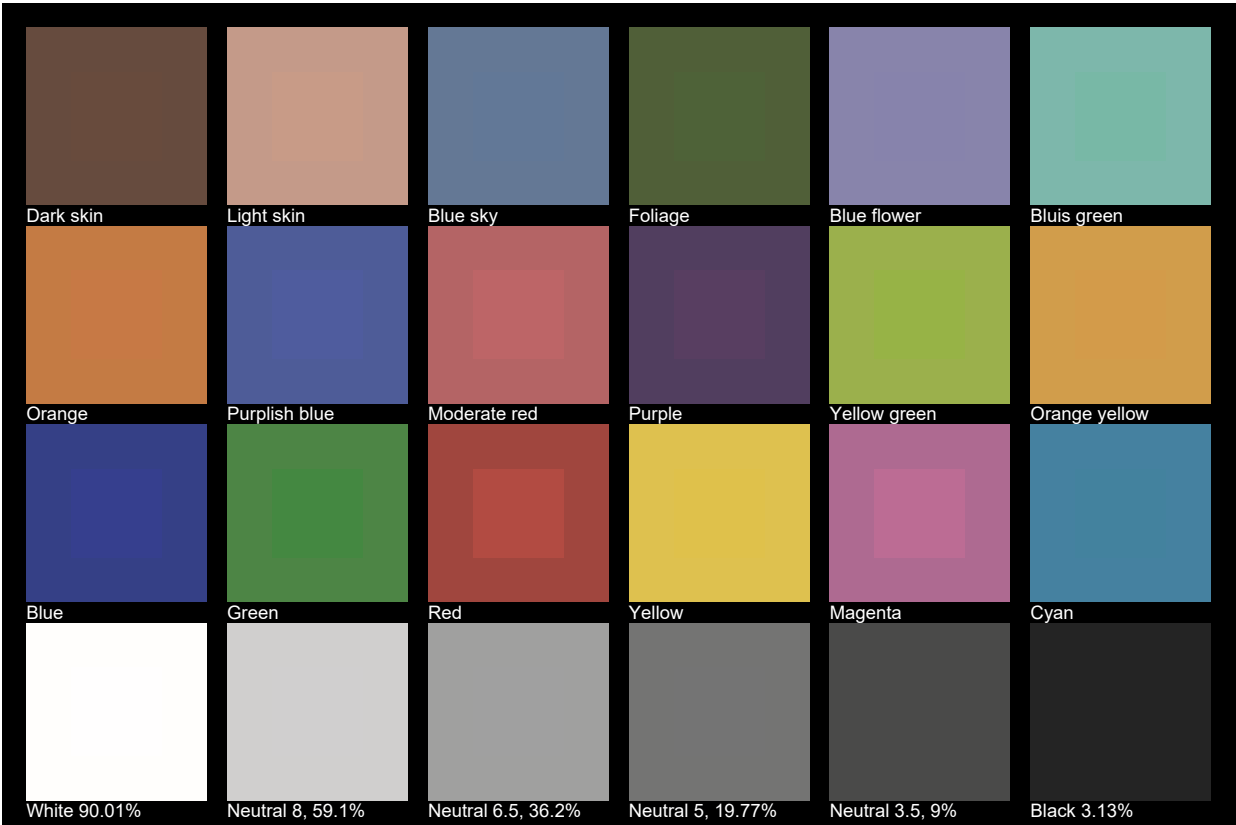
CQS: 86,8



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
6303 K	77,7	-17,1	82,8	112,3	86,8	0,3	0,3	0,2	0,3	0,0014

TLCI 66





AYRTON
Digital Lighting