



HURACÁN WASH S

PHOTOMETRY



AYRTON
Digital Lighting



Total Flux	43173 lm (@zoom 128, fan mode stage, Goniometer)
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CCT @LED engin	8000 (±400K)
CCT @open	7000 (±500K)
Ra @open	70 (±2)
TLCI	49
TM-30	Rf: 72.2 Rg: 92.8

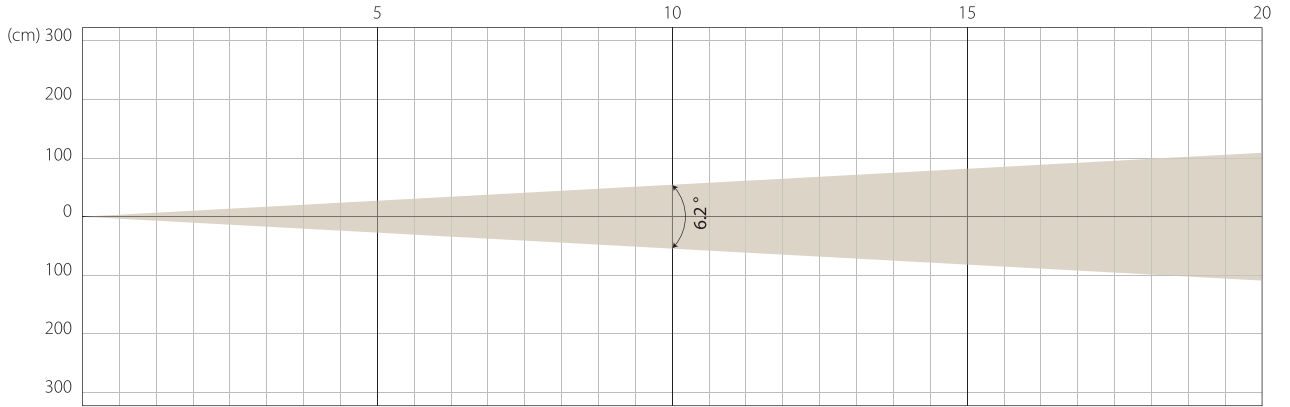
Fan Mode	Noise Level (dBA)	by Goniometer (lm)	by Sphere (lm)
Auto	45,5	41469	50886
Stage	51,2	43173	52136
Silence	38,8	31485	39356
Super Silence	34,1	18520	23150

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

Voltage / Power	100-240V, 50-60Hz	1600 W
Fixture Dimension / Weight	494 x 789 x 294 mm	42.1 kg
Packing Dimension / Weight	730 x 570 x 710 mm	60.1 kg

MIN ZOOM

Beam Opening

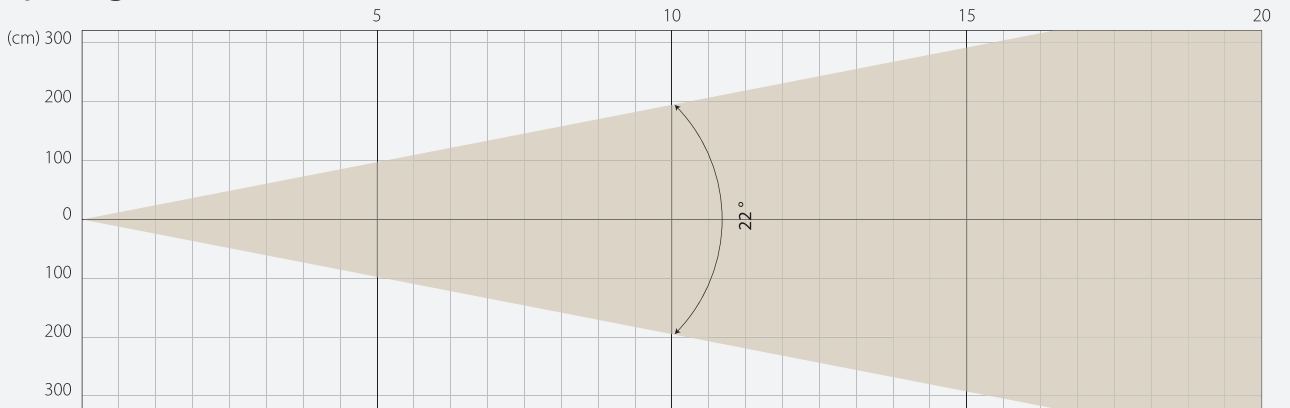


Intensity

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	103896	0,54	25974	1,08	11544	1,62	6494	2,17

MIDDLE ZOOM

Beam Opening

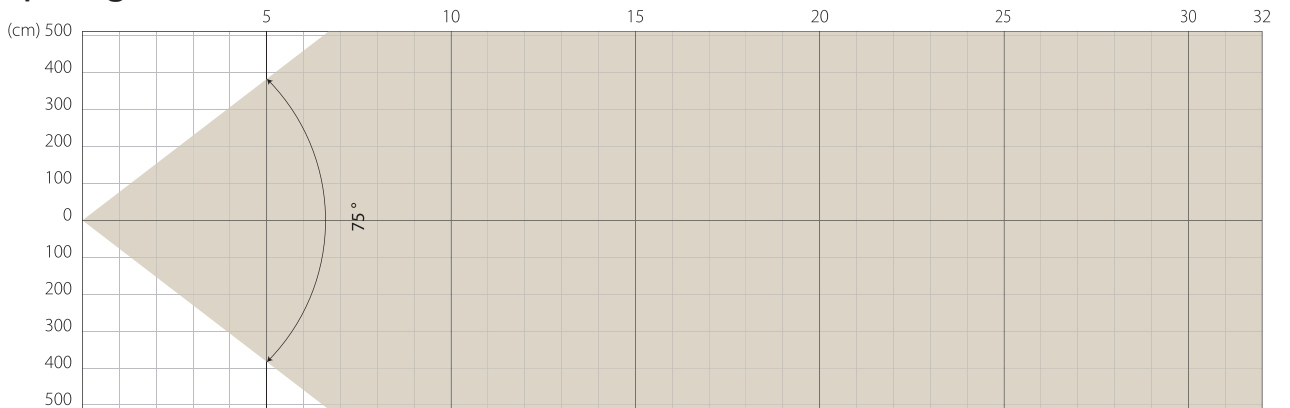


Intensity

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	13929	1,94	3482	3,89	1548	5,83	871	7,78

MAX ZOOM

Beam Opening



Intensity

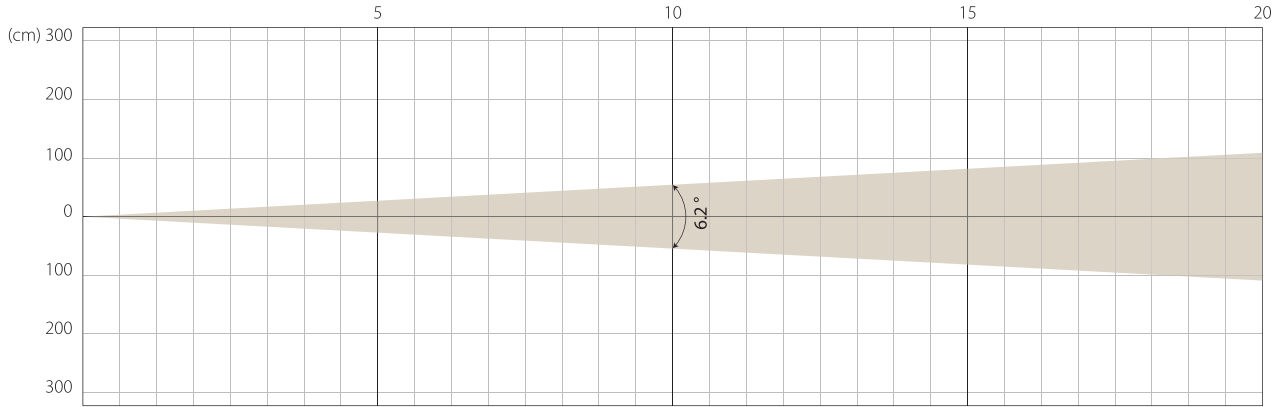
Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	1933	7,67	483	15,35	215	23,02	121	30,69

STAGE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

Beam Opening

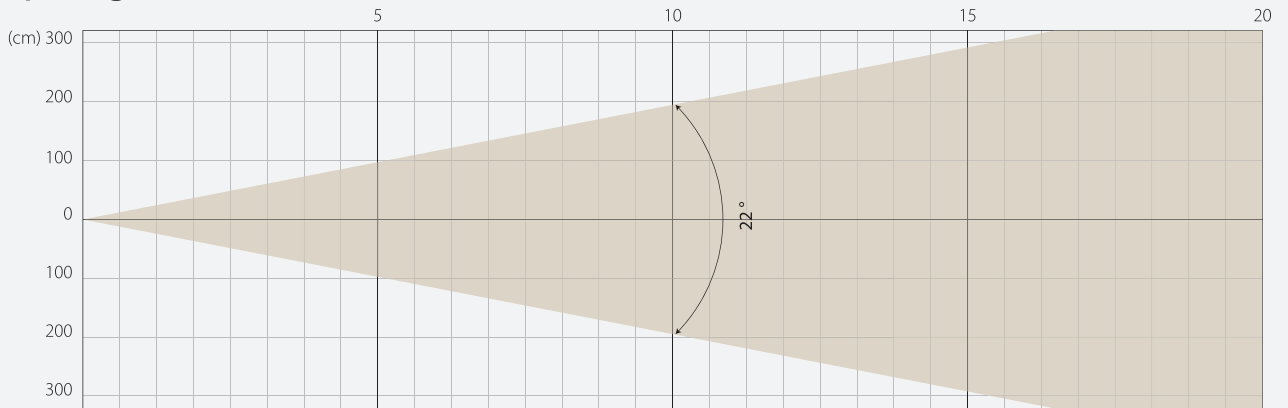


Intensity

Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	110294	0,54	27574	1,08	12255	1,62	6893	2,17

MIDDLE ZOOM

Beam Opening

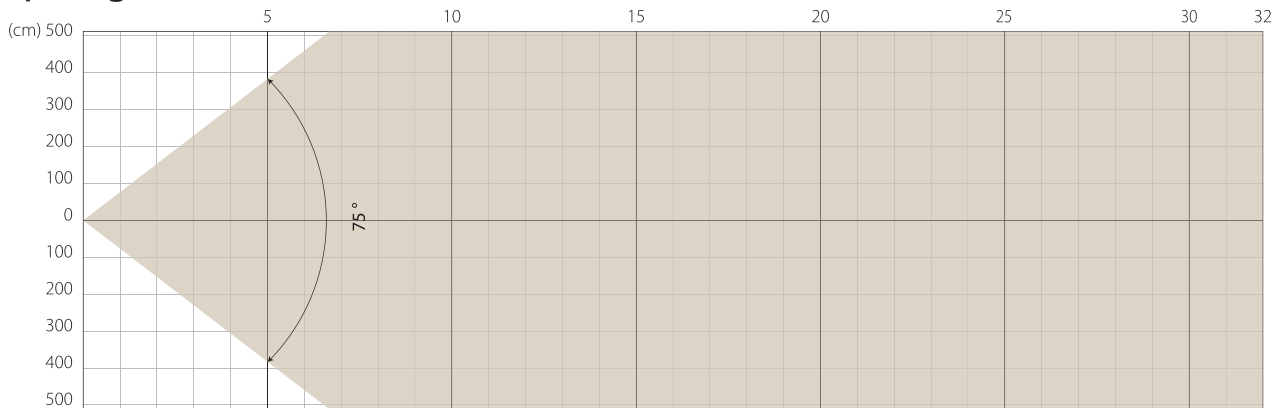


Intensity

Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	14586	1,94	3646	3,89	1621	5,83	912	7,78

MAX ZOOM

Beam Opening



Intensity

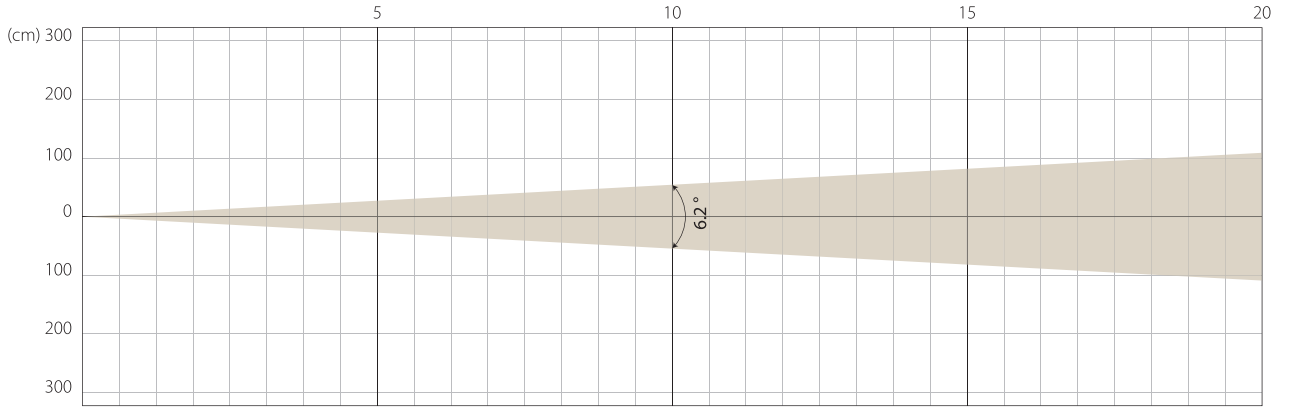
Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	2003	7,67	501	15,35	223	23,02	125	30,69

SILENCE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

Beam Opening

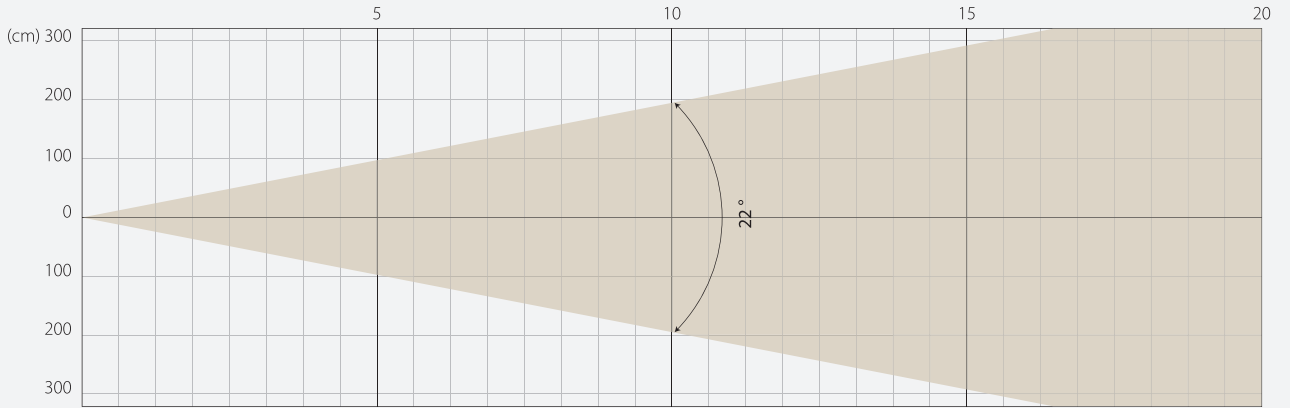


Intensity

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	76079	0,54	19020	1,08	8453	1,62	4755	2,17

MIDDLE ZOOM

Beam Opening

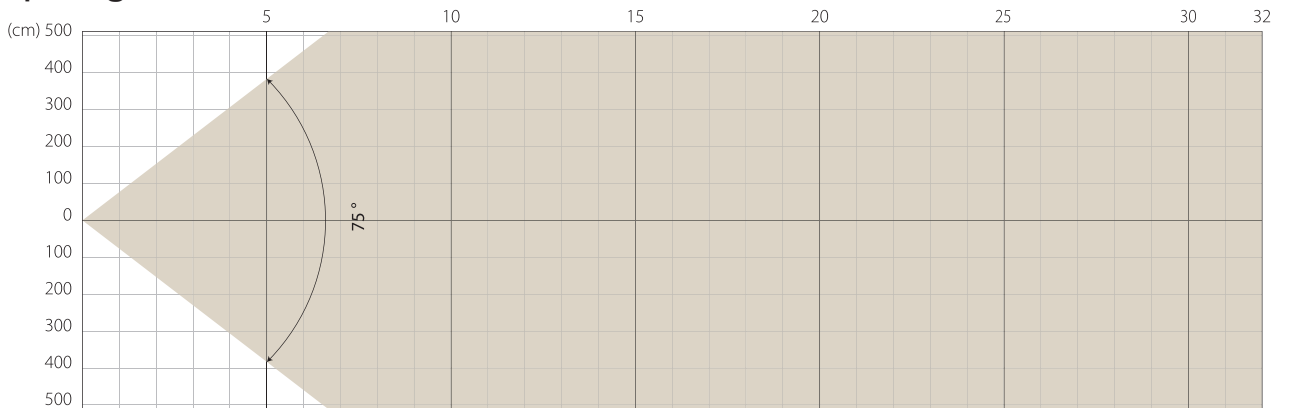


Intensity

Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	10107	1,94	2527	3,89	1123	5,83	632	7,78

MAX ZOOM

Beam Opening



Intensity

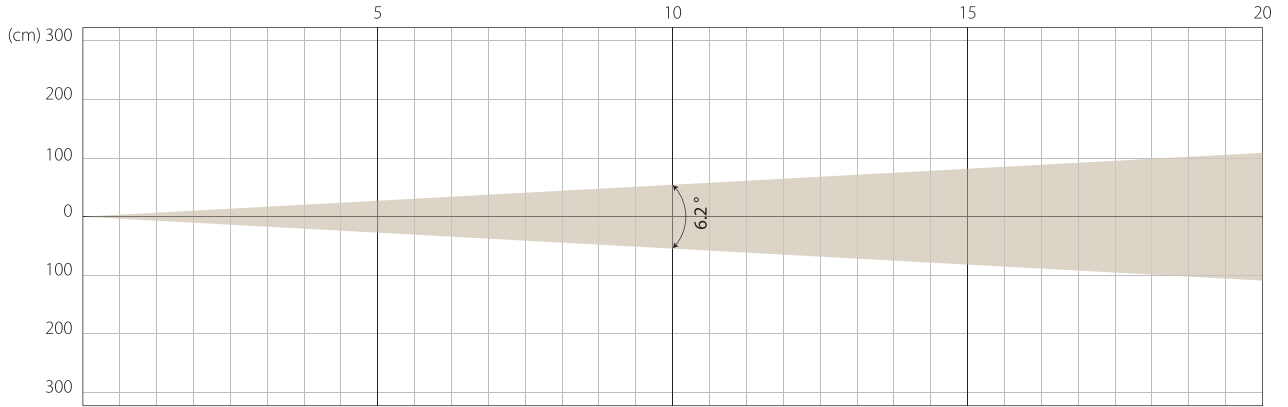
Distance (m)	5		10		15		20	
unit	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	1371	7,67	343	15,35	152	23,02	86	30,69

SUPER SILENCE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

Beam Opening

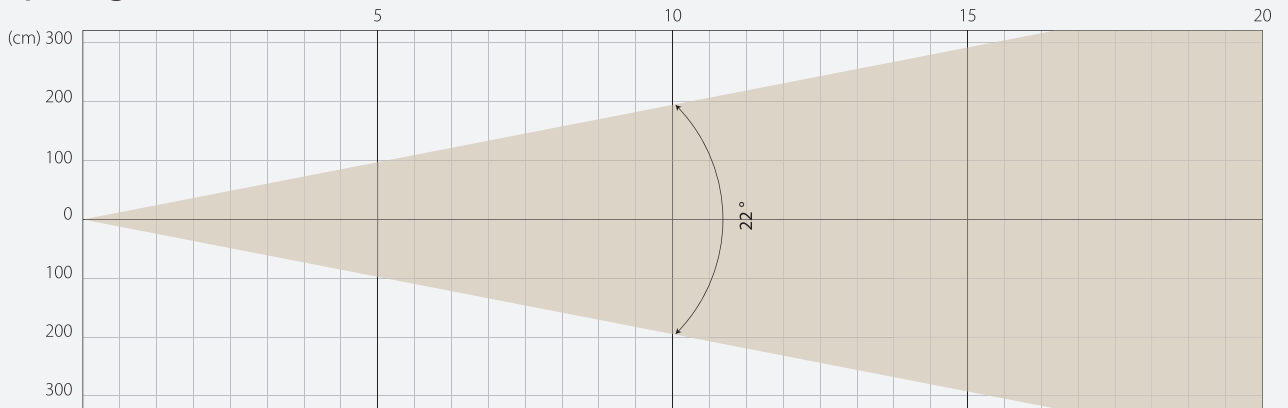


Intensity

Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	45359	0,54	11340	1,08	5040	1,62	2835	2,17

MIDDLE ZOOM

Beam Opening

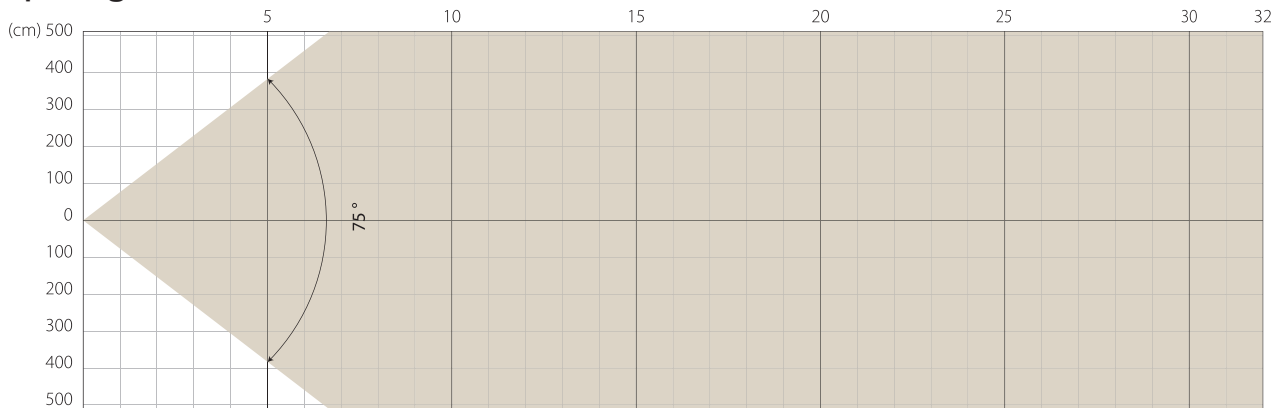


Intensity

Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	6175	1,94	1544	3,89	686	5,83	386	7,78

MAX ZOOM

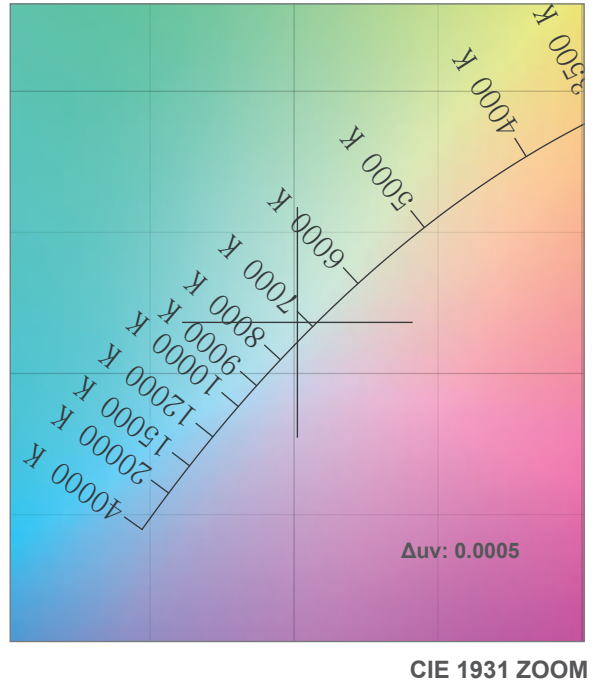
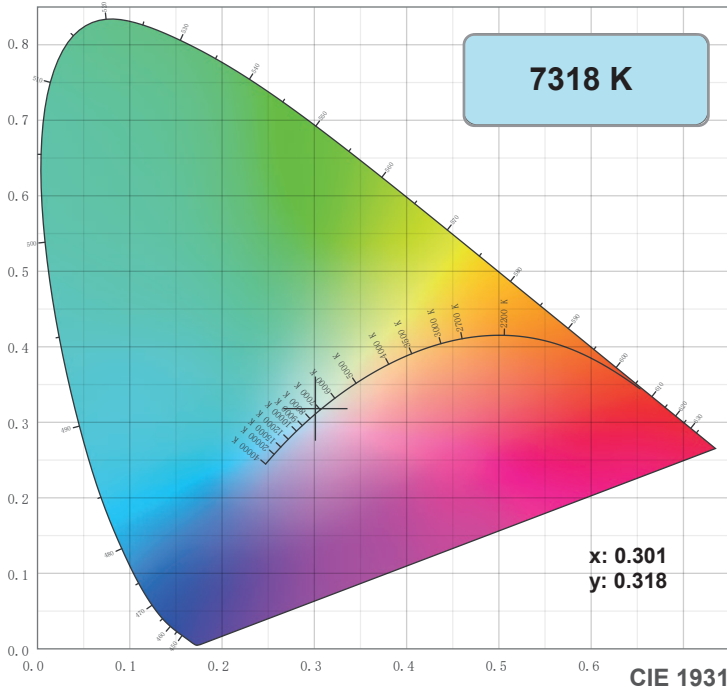
Beam Opening



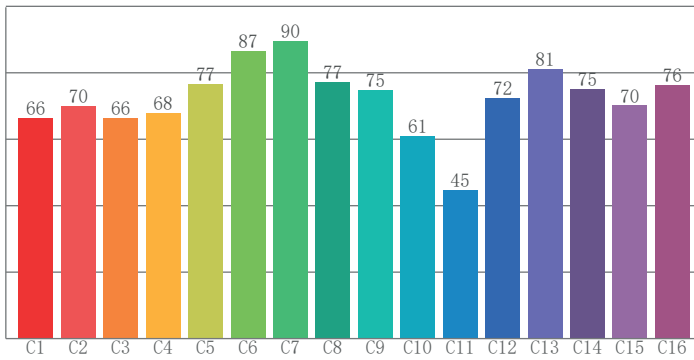
Intensity

Distance (m)	5		10		15		20	
	lux	diameter	lux	diameter	lux	diameter	lux	diameter
White	816	7,67	204	15,35	91	23,02	51	30,69

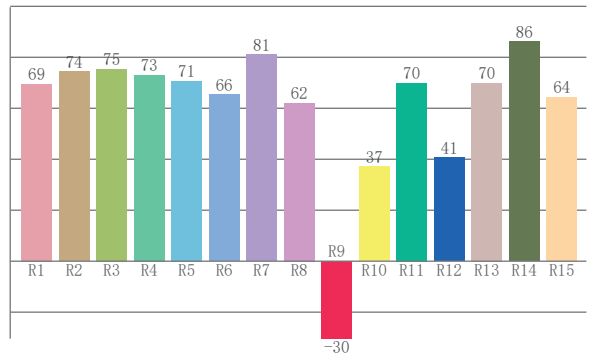
COLOR DETAILS



TM-30: 72.2



CRI: 71.5 (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
69.5	74.5	75.4	73.1	70.7	65.5	81.1	62.1	-30.4	37.1	70.0	40.7	70.0	86.1	64.4

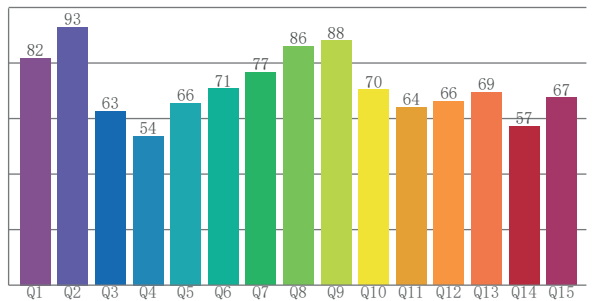
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.5	70.0	66.4	67.8	76.6	86.6	89.6	77.2	74.7	61.1	44.7	72.4	81.0	75.0	70.1	76.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.9	93.0	62.5	53.7	65.6	70.8	76.7	85.9	88.0	70.3	64.0	66.2	69.4	57.1	67.5

CQS: 69.4



Color parameters

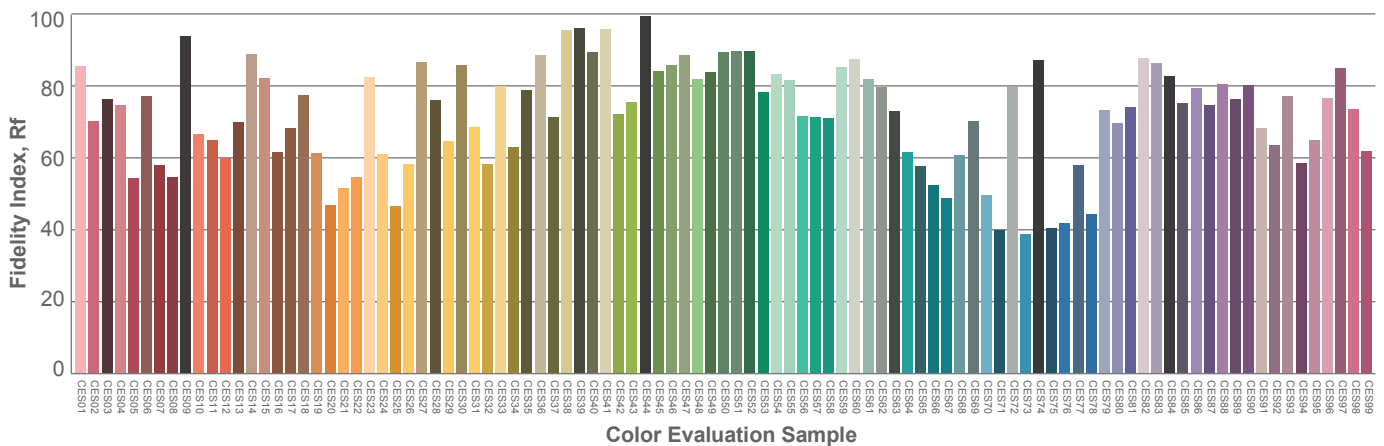
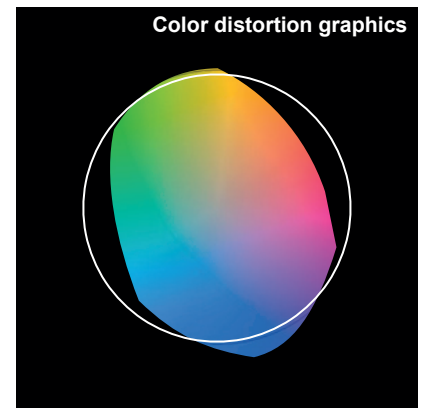
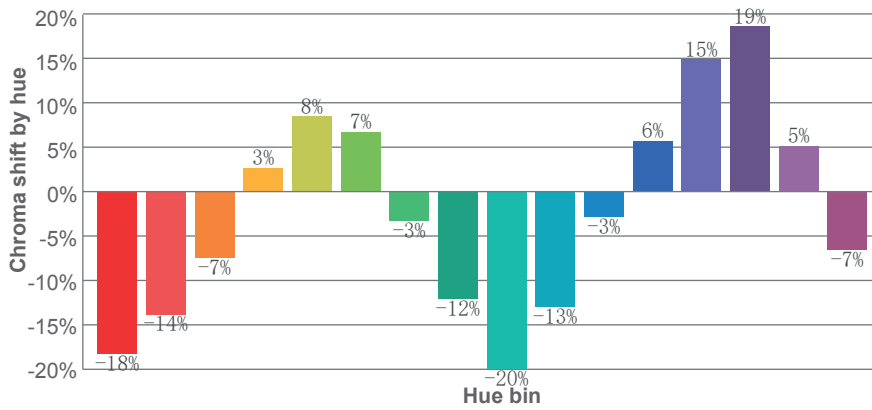
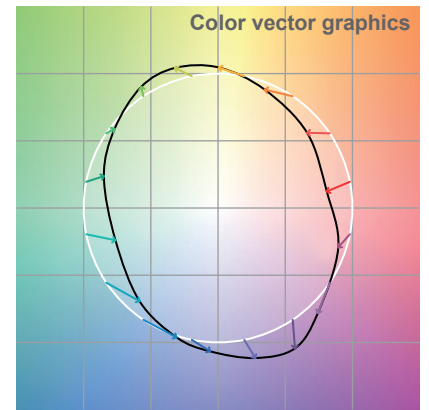
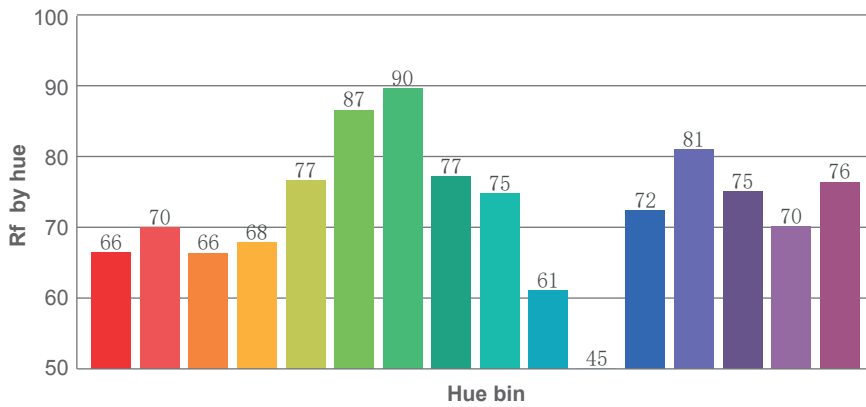
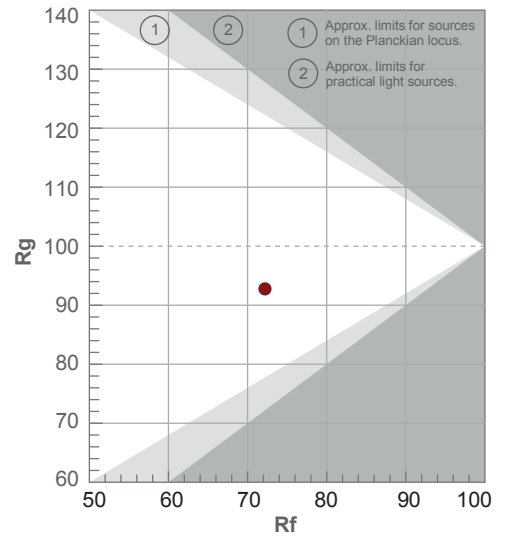
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
7318 K	71.5	-30.4	72.2	92.8	69.4	0.301	0.318	0.194	0.307	0.0005

TM-30 DETAILS

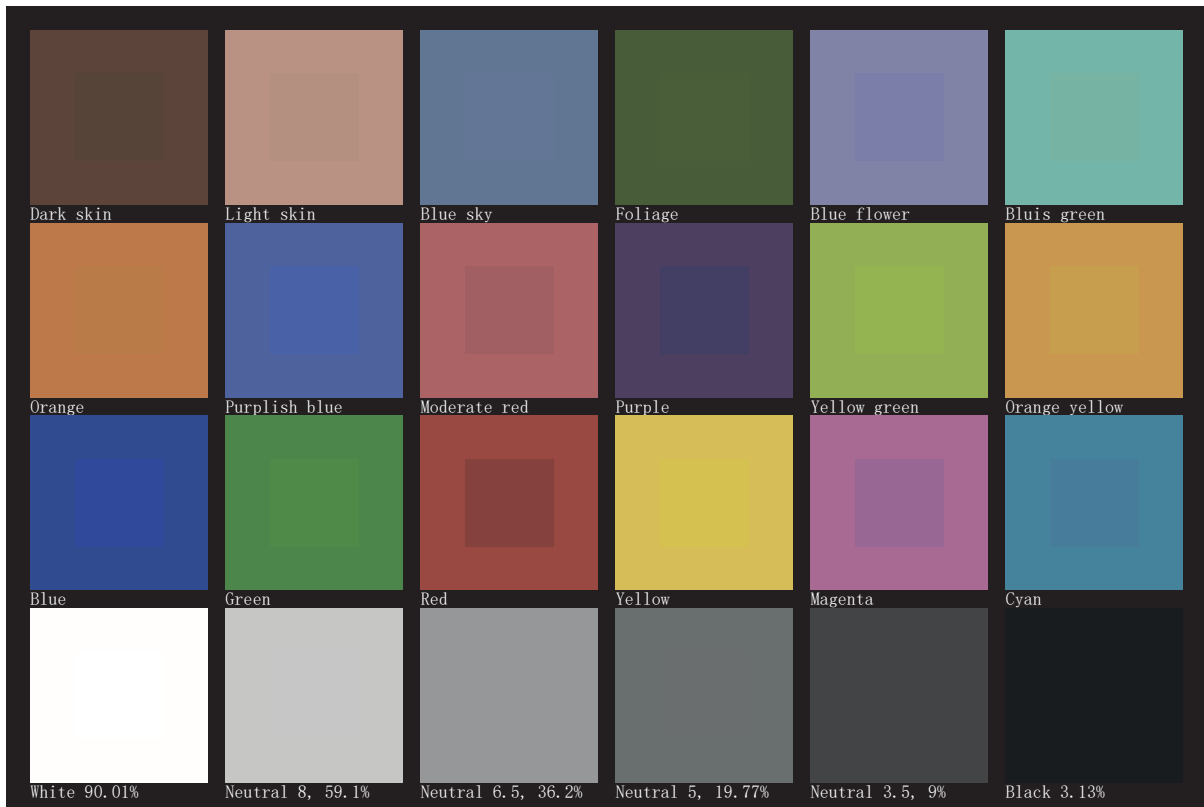
Rf 72.2
Fidelity index Rf

Rg 92.8
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	66	-18%	-4%
2	70	-14%	10%
3	66	-7%	20%
4	68	3%	20%
5	77	8%	11%
6	87	7%	-3%
7	90	-3%	-6%
8	77	-12%	-7%
9	75	-20%	9%
10	61	-13%	25%
11	45	-3%	28%
12	72	6%	15%
13	81	15%	5%
14	75	19%	-10%
15	70	5%	-24%
16	76	-7%	-11%



TLCI 49





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