

Light efficiency:



Light quality:



Color temperature:



Output: 212 lm

Peak: 577 cd

Power: 7.0 W

PF: 1.0



Tracking number: [n/a](#)

Product name:

**NANOFLEX677.6RGB30ADD25WHB
, red**

Item number:

Date and time:

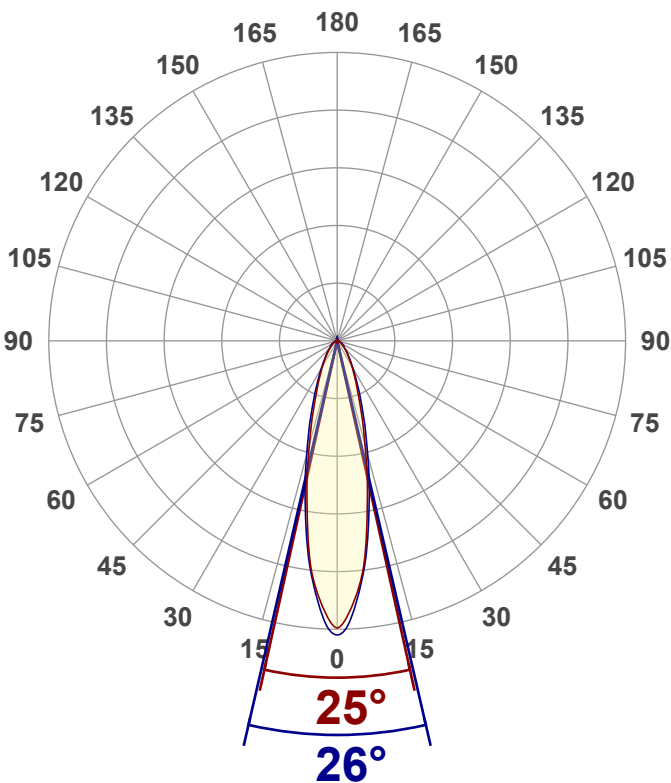
2025/8/21 13:28:54

Operator:

MW

Description:

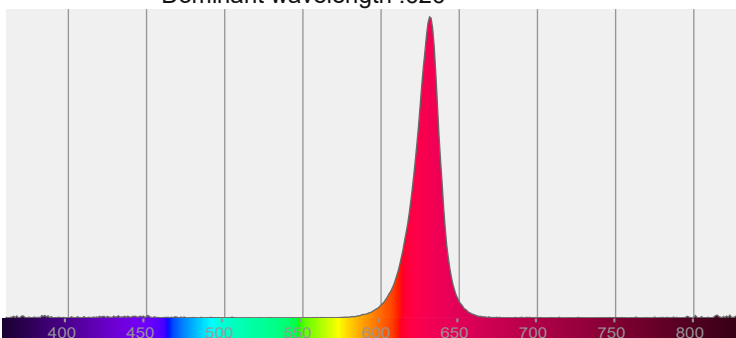
**24Vdc,25w/m, RGBW30K,Beam
angle:25degree, length:1m**



CIE 1931
x: 0.690
y: 0.298

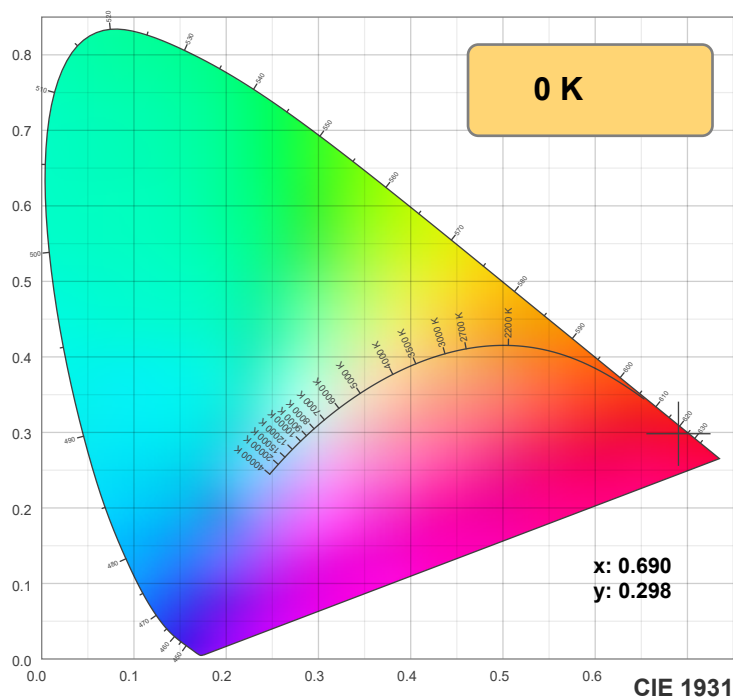
Spectra: Peak wavelength :631

Dominant wavelength :626

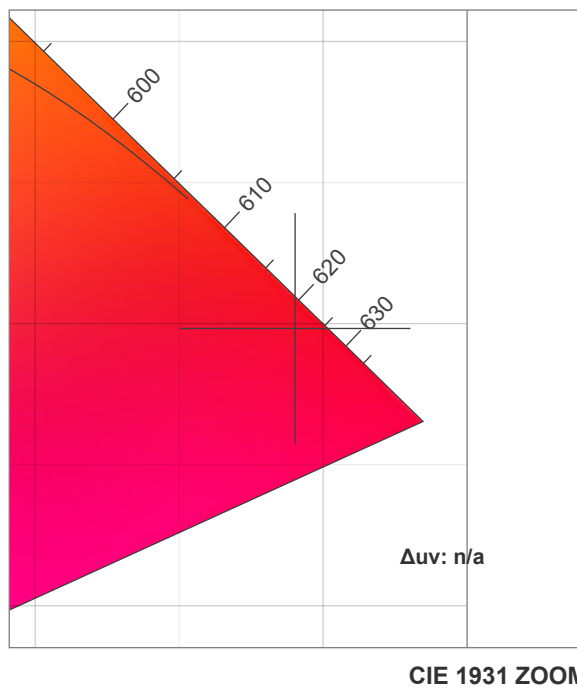
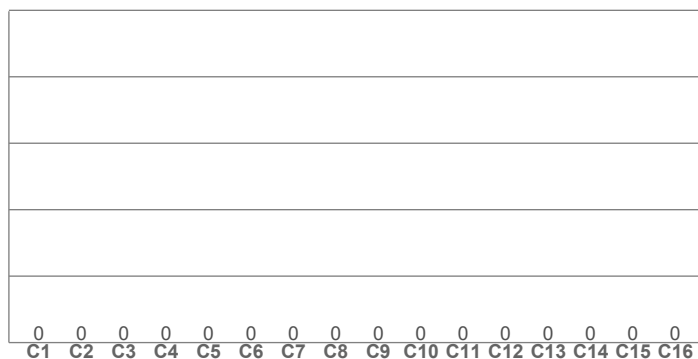


Power

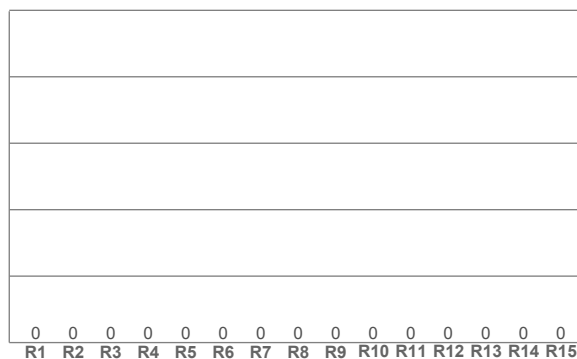
Voltage: 24.0 V
Current: 0.292 A
Frequency: 0 Hz



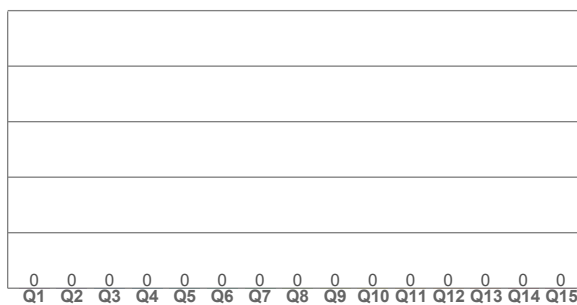
TM-30: 0.0



CRI: 0.0 (R1-R8)



CQS: 0.0



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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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
0 K	0.0	0.0	0.0	0.0	0.0	0.690	0.298	0.531	0.344	n/a

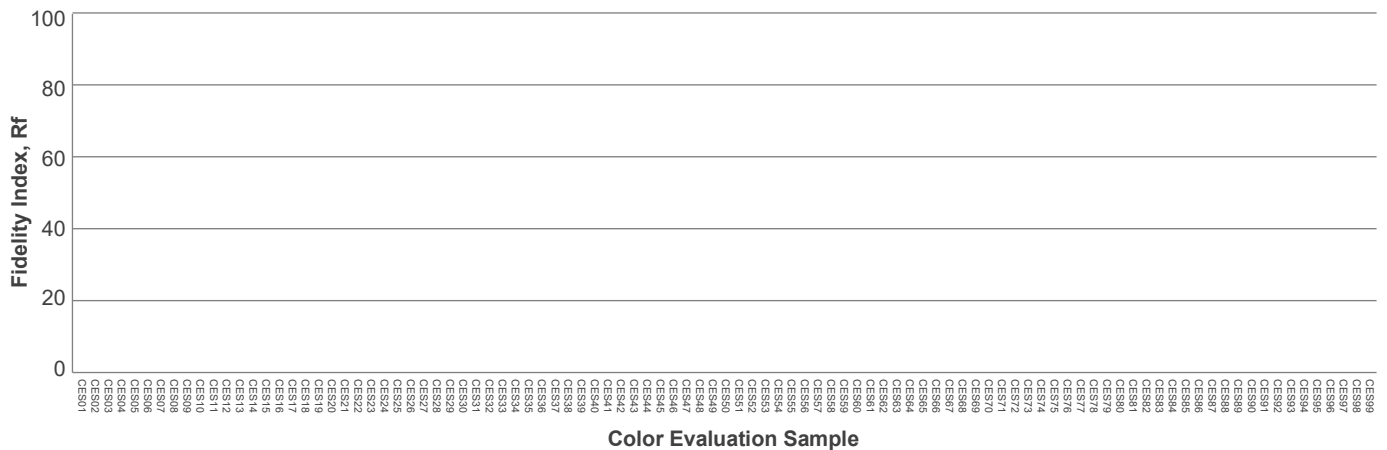
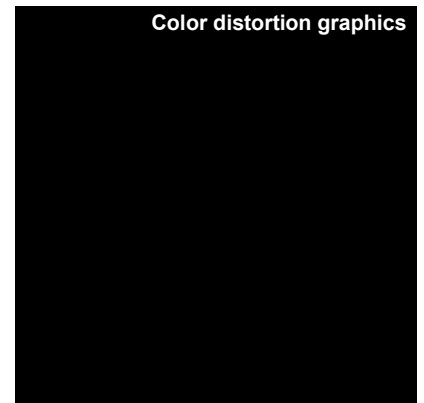
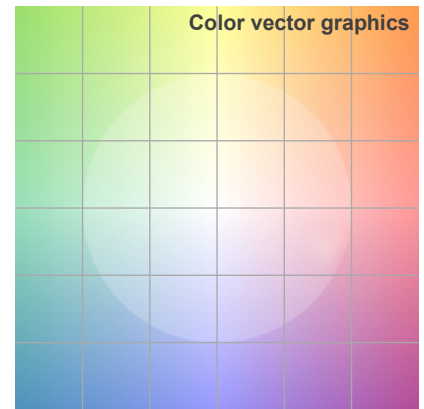
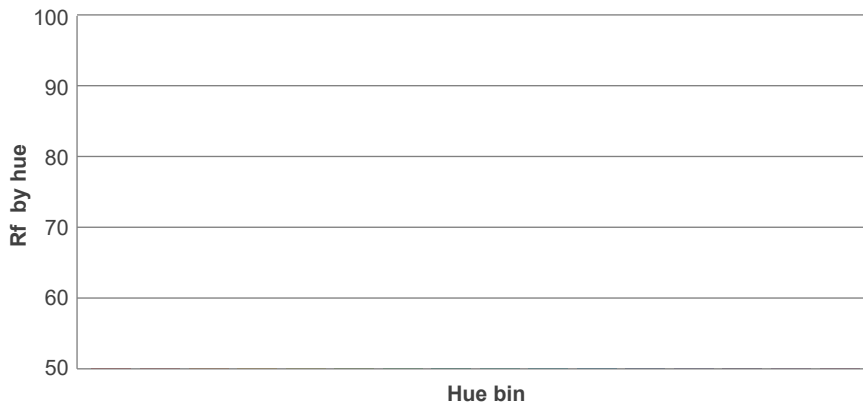
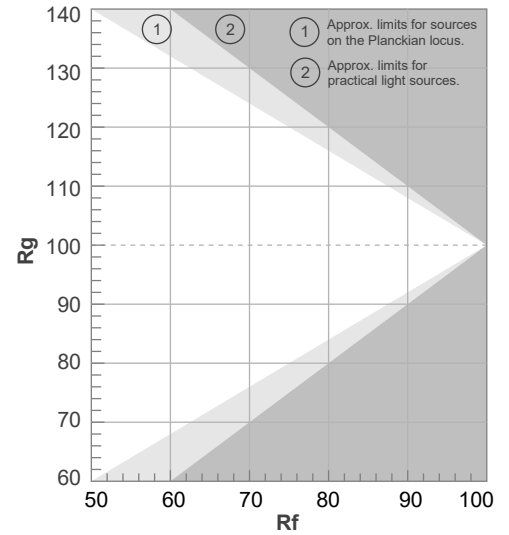
Rf 0.0

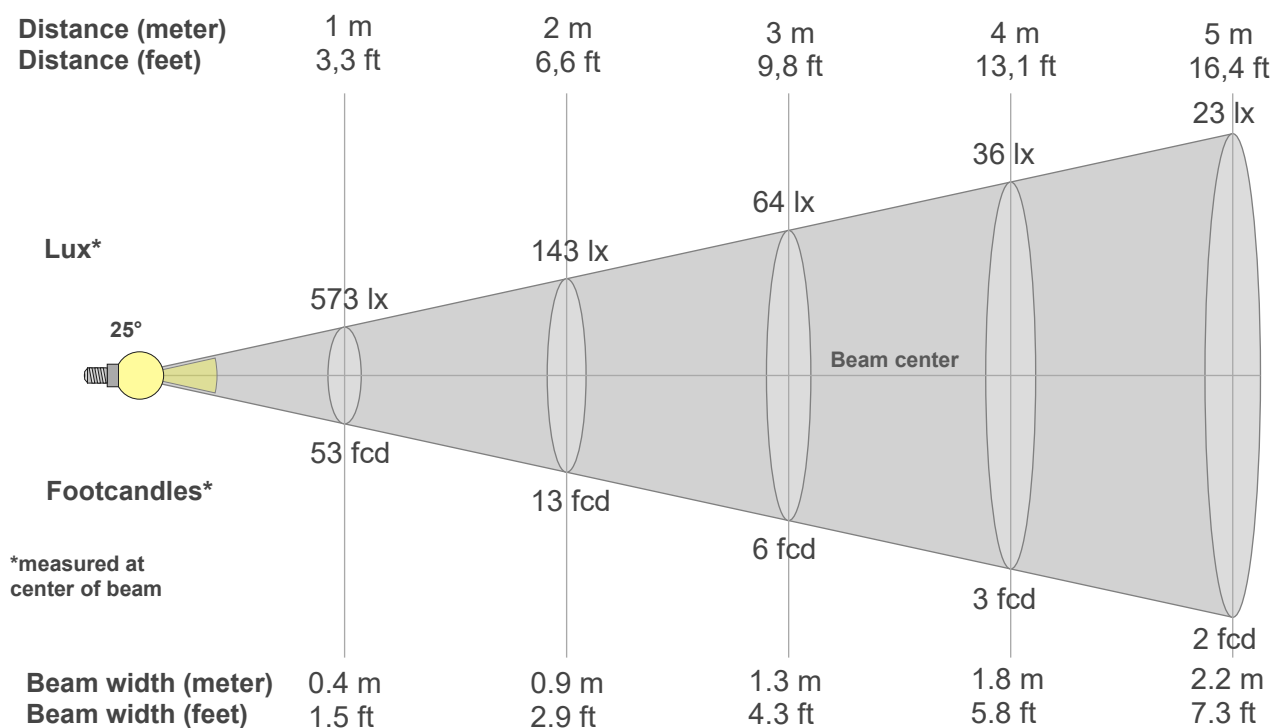
Fidelity index Rf

Rg 0.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
573lx	143lx	64lx	36lx	23lx	16lx	12lx	9lx	7lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx
53.2fcd	13.3fcd	5.9fcd	3.3fcd	2.1fcd	1.5fcd	1.1fcd	0.8fcd	0.7fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
573	553	513	472	415	352	293	246	198	165	137	112	96	80	69	60	51	44	38	33
100%	97%	89%	82%	72%	61%	51%	43%	35%	29%	24%	19%	17%	14%	12%	10%	9%	8%	7%	6%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
573	574	526	479	425	368	311	265	220	183	154	125	107	89	75	65	54	48	41	36
100%	100%	92%	83%	74%	64%	54%	46%	38%	32%	27%	22%	19%	16%	13%	11%	9%	8%	7%	6%

Intensities in 180° c-plane

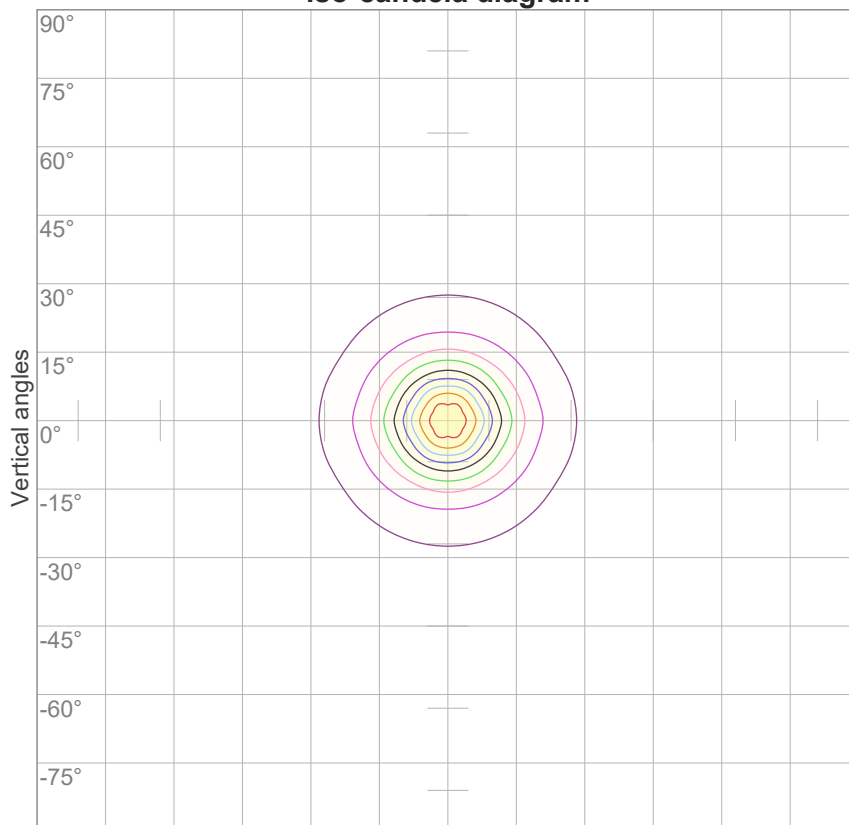
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
573	553	513	472	415	352	293	246	198	165	137	112	96	80	69	60	51	44	38	33
100%	97%	89%	82%	72%	61%	51%	43%	35%	29%	24%	19%	17%	14%	12%	10%	9%	8%	7%	6%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
573	574	526	479	425	368	311	265	220	183	154	125	107	89	75	65	54	48	41	36
100%	100%	92%	83%	74%	64%	54%	46%	38%	32%	27%	22%	19%	16%	13%	11%	9%	8%	7%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25°	61.4°	104.3°	95.0%	86.2%

iso-candela diagram



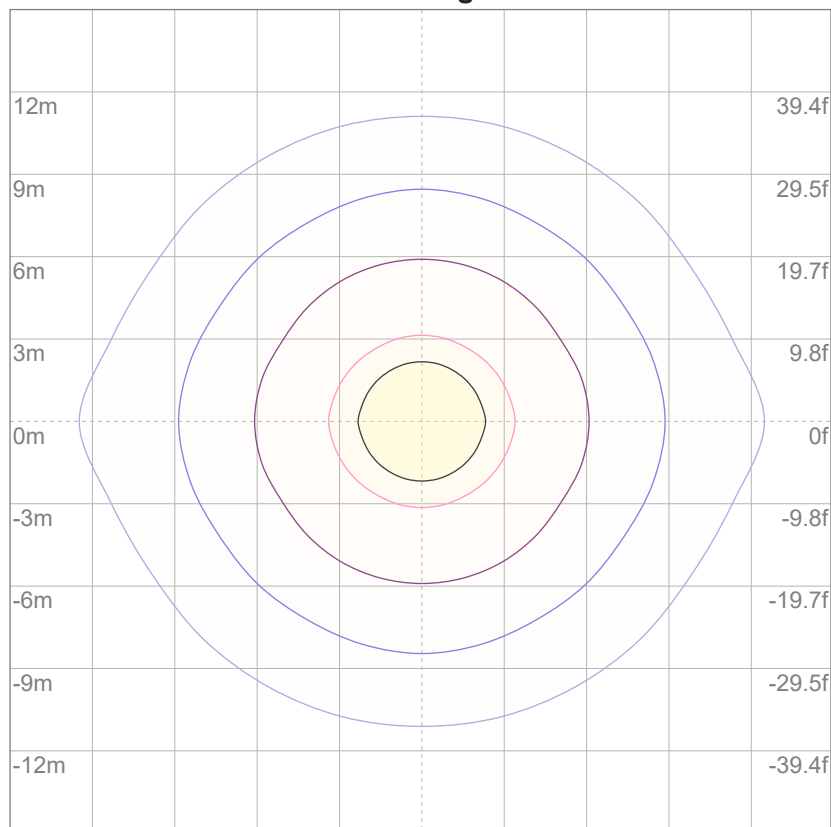
10%	57 cd
20%	115 cd
30%	172 cd
40%	229 cd
50%	287 cd
60%	344 cd
70%	401 cd
80%	458 cd
90%	516 cd

Conditions:

Number of c-planes: 12

Candela at center: 573 cd

iso-lux diagram



3%	0.172 lx
5%	0.287 lx
10%	0.573 lx
30%	1.72 lx
50%	2.87 lx

Conditions:

Number of c-planes: 12

Lux at center: 5.73 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Glare evaluation according to UGR

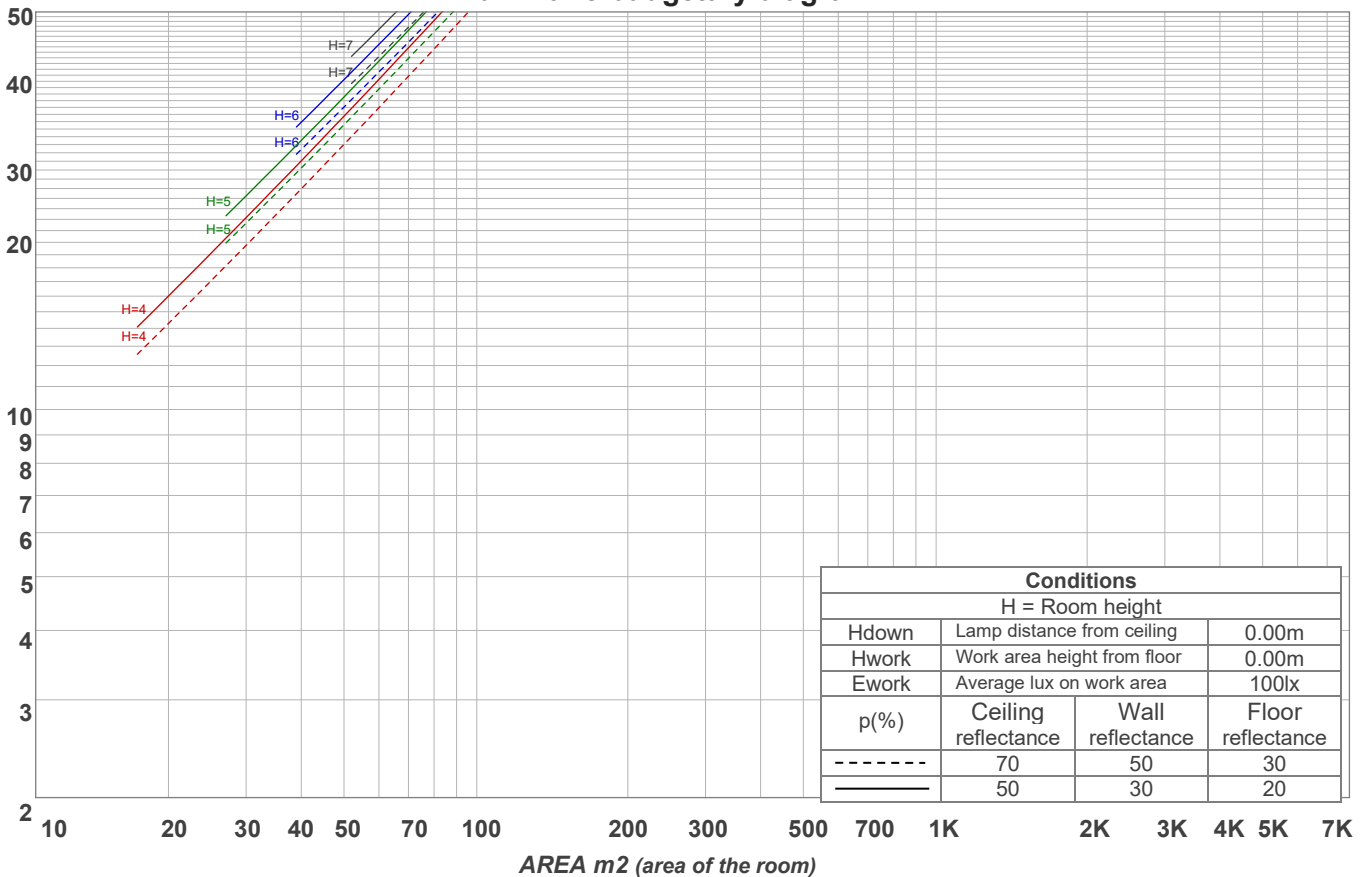
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	6.2	6.9	6.3	7.1	7.3	8.0	8.7	8.2	9.0	9.2
	3H	6.4	7.3	6.8	7.5	7.6	8.8	9.6	9.2	9.8	10.0
	4H	6.5	7.3	6.9	7.5	7.8	9.1	9.8	9.5	10.1	10.3
	6H	6.6	7.2	6.9	7.5	7.9	9.2	9.9	9.5	10.1	10.5
	8H	6.5	7.2	6.9	7.5	7.9	9.2	9.8	9.5	10.1	10.5
	12H	6.5	7.1	6.8	7.5	7.9	9.1	9.7	9.5	10.1	10.5
4H	2H	6.4	7.2	6.8	7.4	7.6	8.0	8.8	8.4	9.0	9.3
	3H	7.0	7.6	7.3	7.9	8.4	9.1	9.7	9.4	10.0	10.5
	4H	7.0	7.6	7.4	8.0	8.5	9.3	9.9	9.8	10.3	10.8
	6H	7.0	7.6	7.5	8.0	8.3	9.4	10.0	9.9	10.4	10.7
	8H	7.0	7.5	7.5	7.9	8.2	9.4	9.9	9.9	10.3	10.7
	12H	6.9	7.4	7.4	7.8	8.2	9.4	9.8	9.9	10.2	10.7
8H	4H	7.1	7.6	7.6	7.9	8.3	9.3	9.8	9.8	10.2	10.5
	6H	7.1	7.5	7.6	7.9	8.5	9.4	9.8	9.9	10.2	10.8
	8H	7.1	7.4	7.6	7.9	8.6	9.4	9.7	9.9	10.2	10.9
	12H	7.1	7.3	7.7	7.8	8.4	9.4	9.6	10.0	10.1	10.7
12H	4H	7.0	7.4	7.5	7.8	8.3	9.2	9.7	9.7	10.1	10.5
	6H	7.1	7.4	7.6	7.9	8.6	9.4	9.7	9.9	10.2	10.8
	8H	7.1	7.3	7.7	7.8	8.4	9.4	9.6	9.9	10.1	10.7
Variation of the observer position for the luminaire distance S											
S = 1.0H		1.1 / -1.1					1.0 / -0.7				
S = 1.5H		2.5 / -1.9					2.2 / -1.6				
S = 2.0H		3.8 / -3.0					3.3 / -2.4				
CIE 117-1995. Corrected glare indices referring to 212 lm total luminous flux											

Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	83	81	79
4	97	89	83	79	95	88	83	78	86	81	78	84	80	77	82	78	76	74
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	71	65	61	70	65	61	68	64	61	68	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	66	61	58	65	61	58	56
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

LAMPS (number of lamps)

Luminaire budgetary diagram



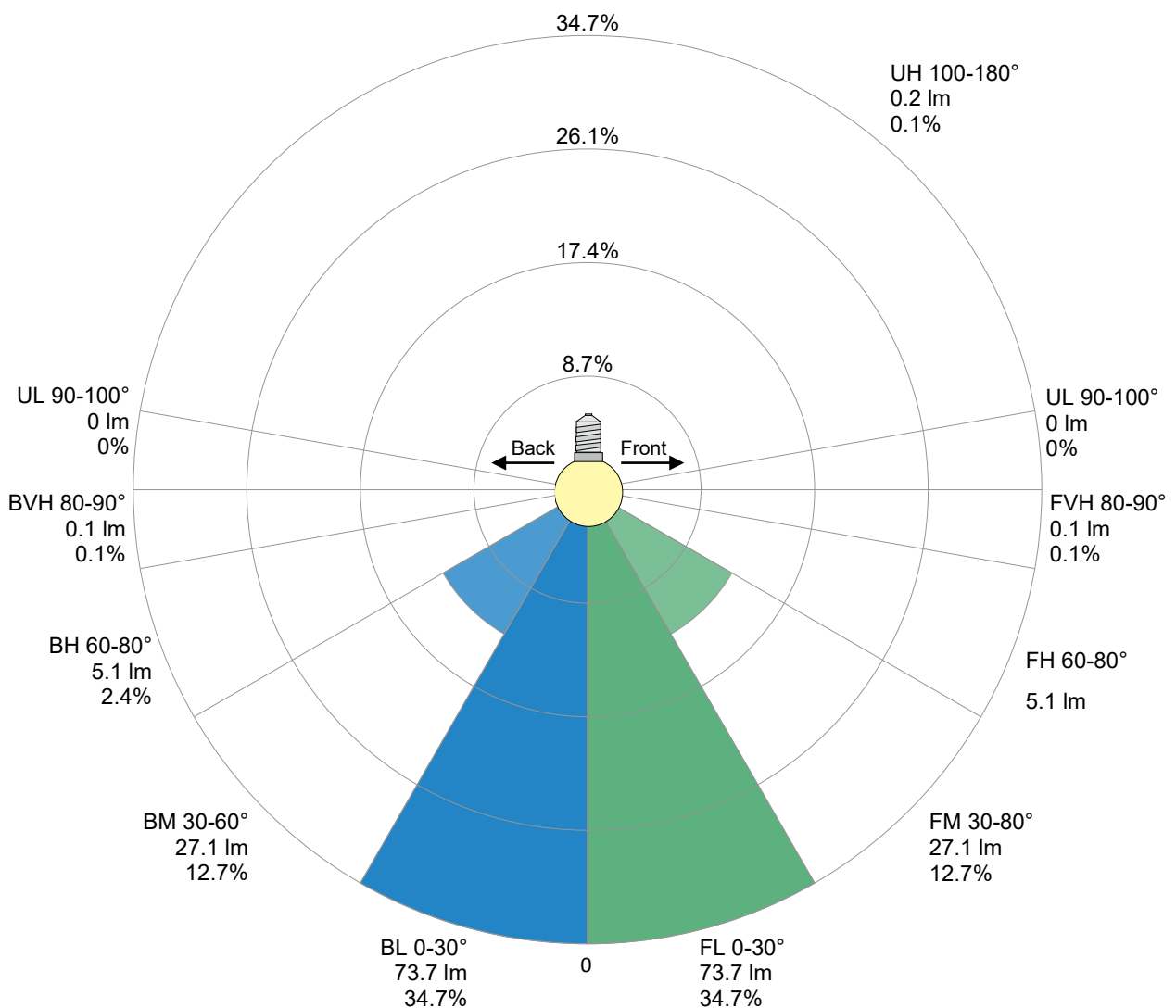
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
43.4 lm	62.5 lm	41.7 lm	26.2 lm	16.6 lm	11.2 lm	7.31 lm	2.95 lm	0.235 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.015 lm	0.015 lm	0.012 lm	0.017 lm	0.028 lm	0.042 lm	0.025 lm	0.009 lm

LCS table

BUG rating:	B0 U0 G0	
Forward light	Lumens	Lumens %
Low(0-30):	73.7	34.7%
Medium(30-60):	27.1	12.7%
High(60-80):	5.1	2.4%
Very high(80-90):	0.1	0.1%
Back light		
Low(0-30):	73.7	34.7%
Medium(30-60):	27.1	12.7%
High(60-80):	5.1	2.4%
Very high(80-90):	0.1	0.1%
Uplight		
Low(90-100):	0	0%
High(100-180):	0.2	0.1%

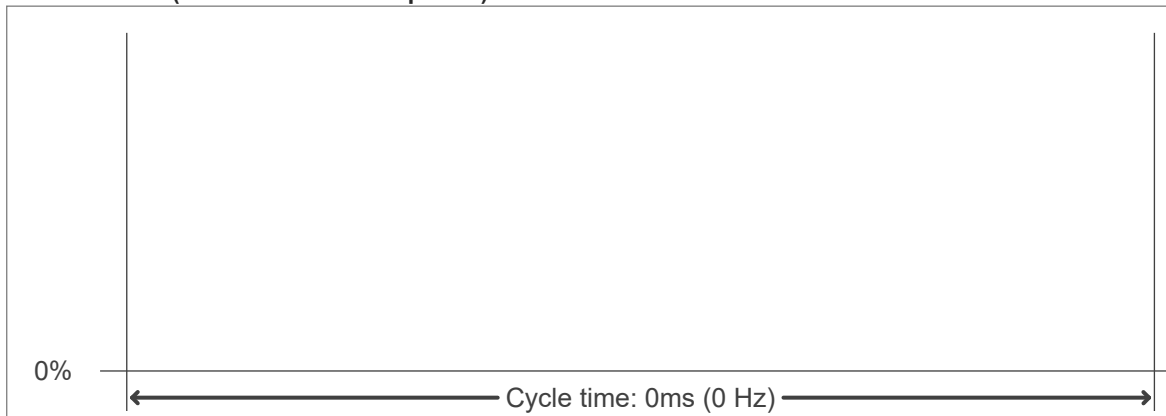
LCS graph



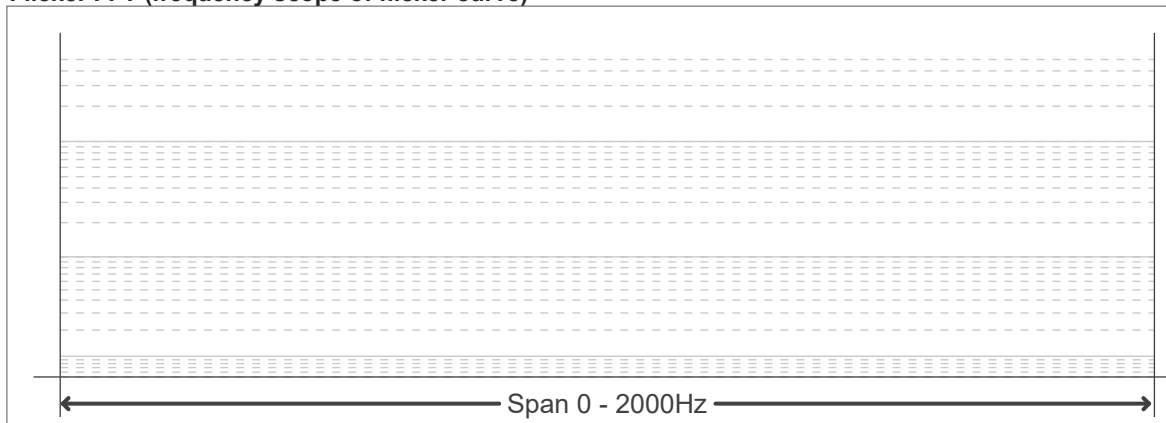
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		n/a Hz	
Flicker index:	n/a	JA8/10 40Hz	n/a %
Flicker percentage:	n/a %	JA8/10 90Hz	n/a %
SVM: (Visual flicker)	n/a	JA8/10 200Hz	n/a %
PstLM	n/a	JA8/10 400Hz	n/a %
Mp	n/a	JA8/10 1000Hz	n/a %

Flicker conditions:

Sample rate:	n/a samples/second
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