

Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 480 lm

Peak: 1467 cd

Power: 7.1 W

PF: 1.0



Tracking number: [n/a](#)

Product name:

**NANOFLEX677.6RGB30ADD25WHB  
,green**

Item number:

Date and time:

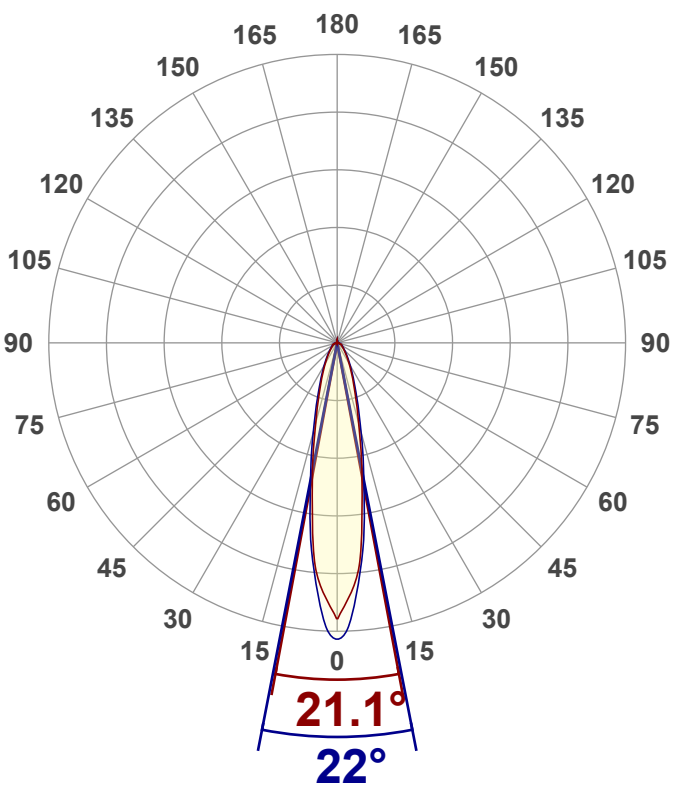
**2025/8/21 13:32:46**

Operator:

**MW**

Description:

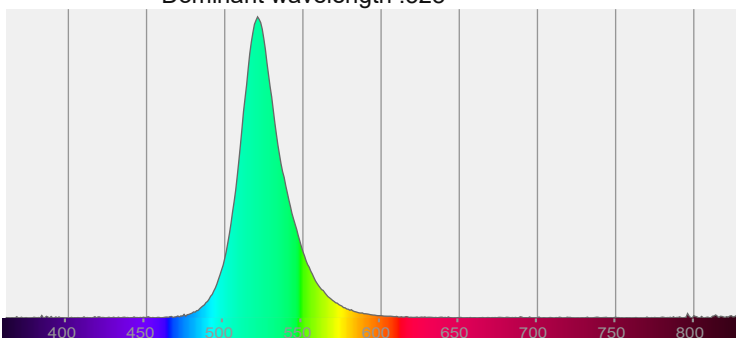
**24Vdc,25w/m, RGBW30K,Beam  
angle:25degree, length:1m**



CIE 1931  
x: 0.168  
y: 0.738

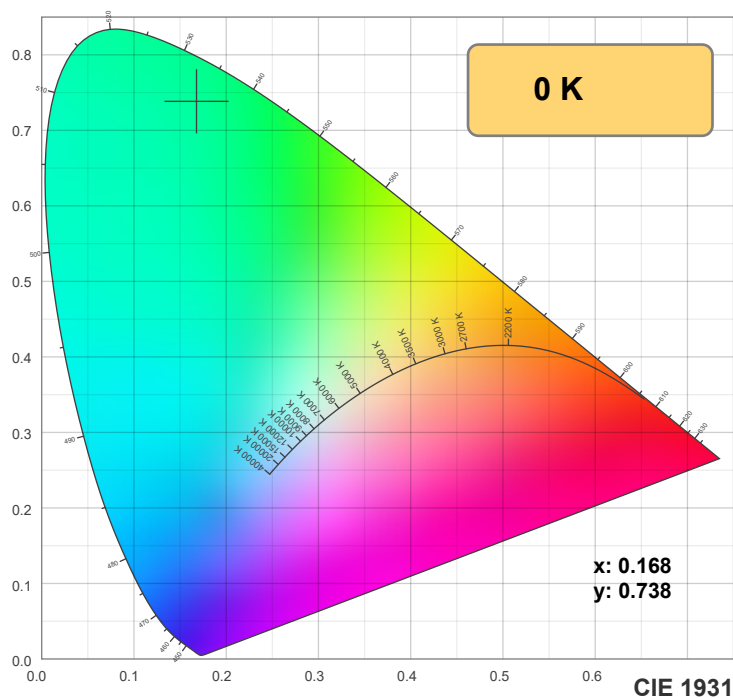
**Spectra:** Peak wavelength :521

Dominant wavelength :528

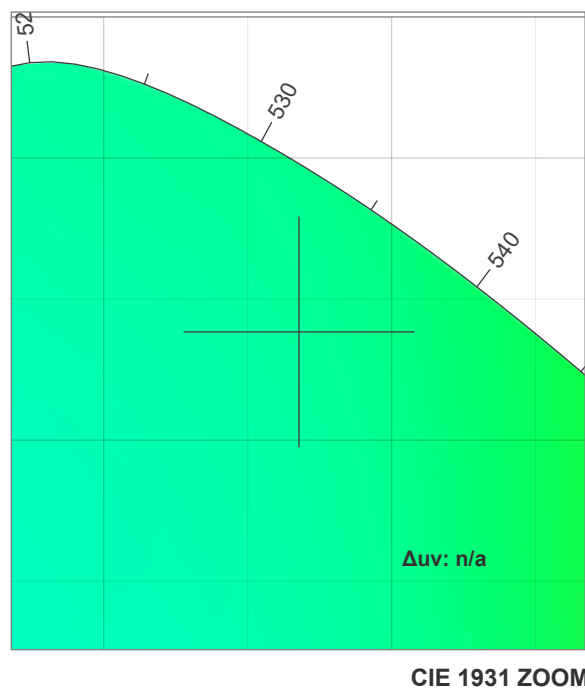
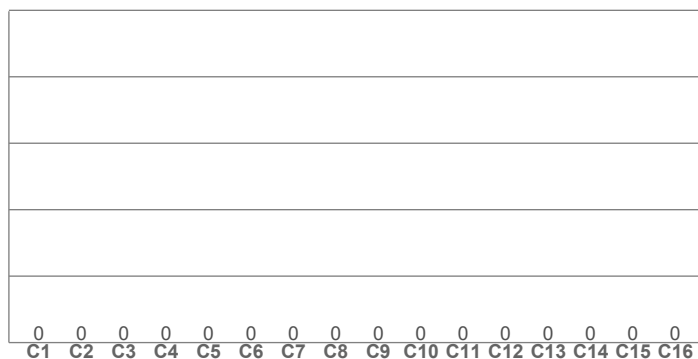


**Power**

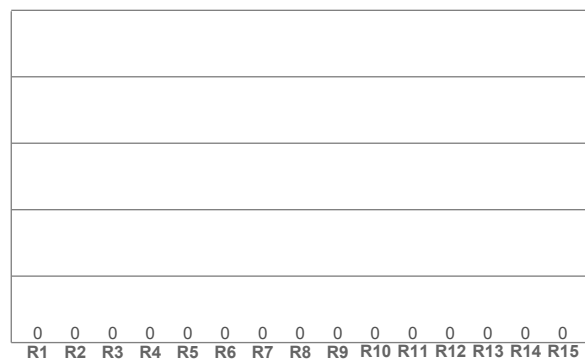
Voltage: 24.0 V  
Current: 0.297 A  
Frequency: 0 Hz



TM-30: 0.0



CRI: 0.0 (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
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

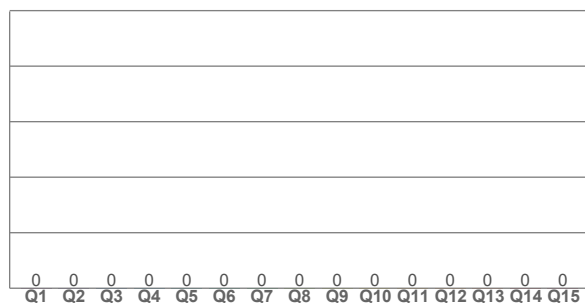
TM30 C values, 16 binned values out of total of 99 C values

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

CQS: 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	$\Delta uv$
0 K	0.0	0.0	0.0	0.0	0.0	0.168	0.738	0.058	0.384	n/a

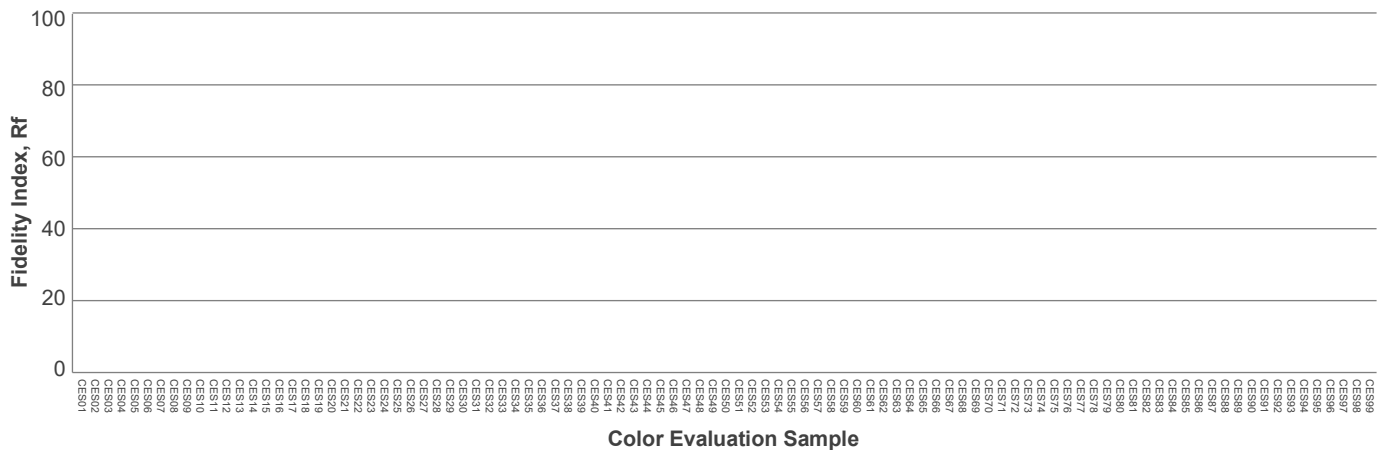
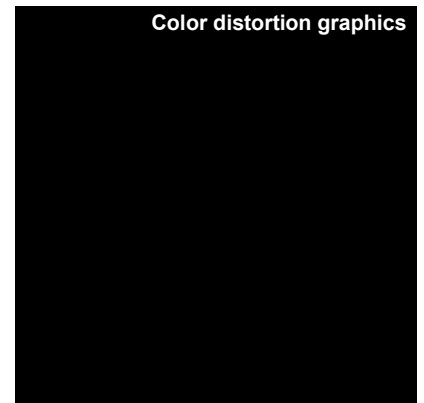
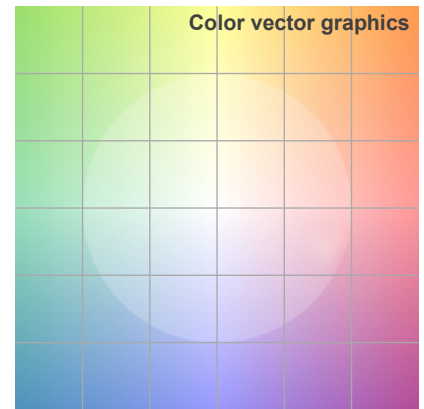
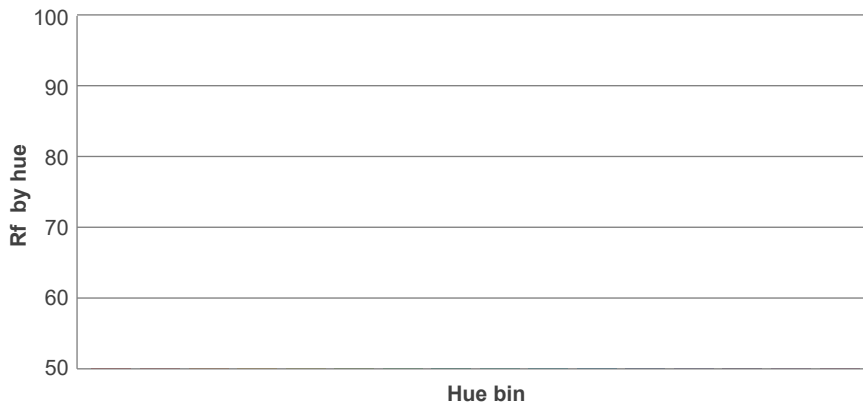
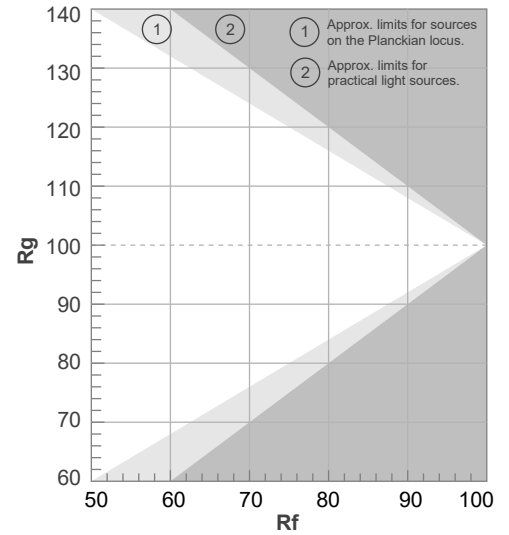
**Rf 0.0**

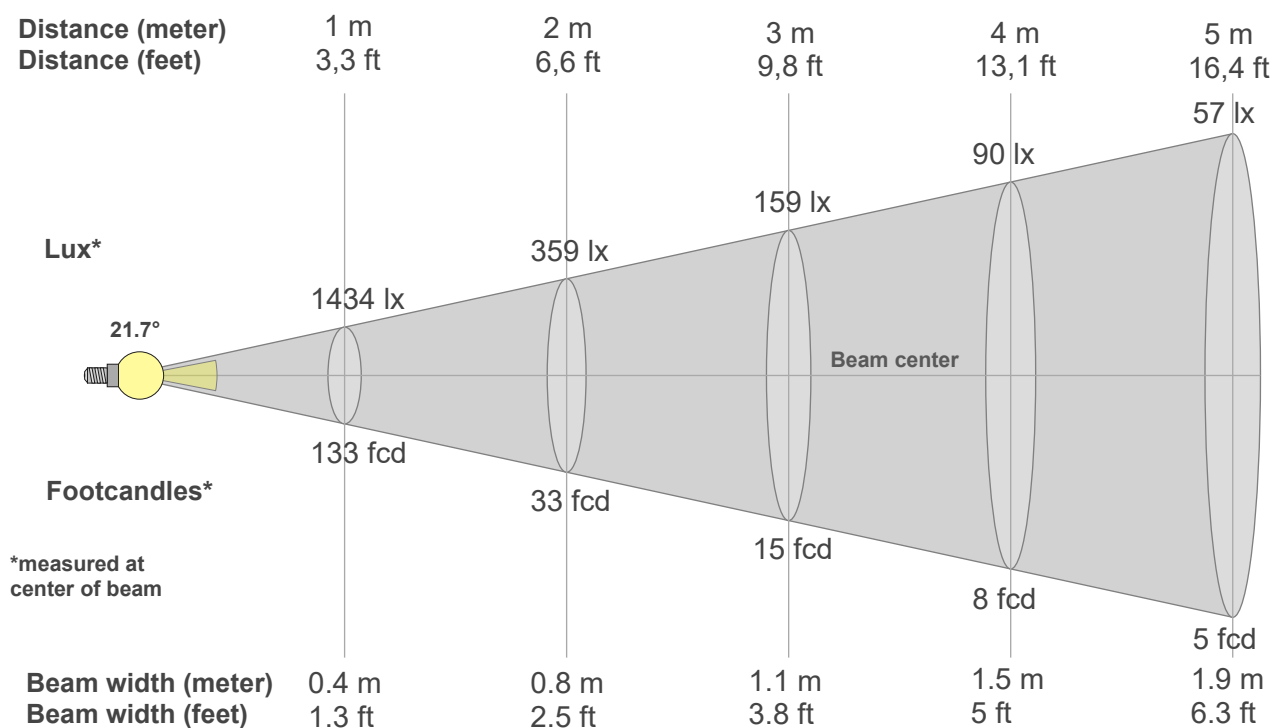
Fidelity index Rf

**Rg 0.0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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
1434lx	359lx	159lx	90lx	57lx	40lx	29lx	22lx	18lx	14lx	12lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
133.2fcd	33.3fcd	14.8fcd	8.3fcd	5.3fcd	3.7fcd	2.7fcd	2.1fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd

## 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°
1434	1321	1225	1114	930	746	608	492	386	327	268	227	194	164	143	122	107	93	81	72
100%	92%	85%	78%	65%	52%	42%	34%	27%	23%	19%	16%	14%	11%	10%	9%	7%	7%	6%	5%

## 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°
1434	1467	1312	1153	989	818	648	542	438	356	300	244	212	181	155	136	116	103	90	80
100%	102%	91%	80%	69%	57%	45%	38%	31%	25%	21%	17%	15%	13%	11%	9%	8%	7%	6%	6%

## Intensities in 180° c-plane

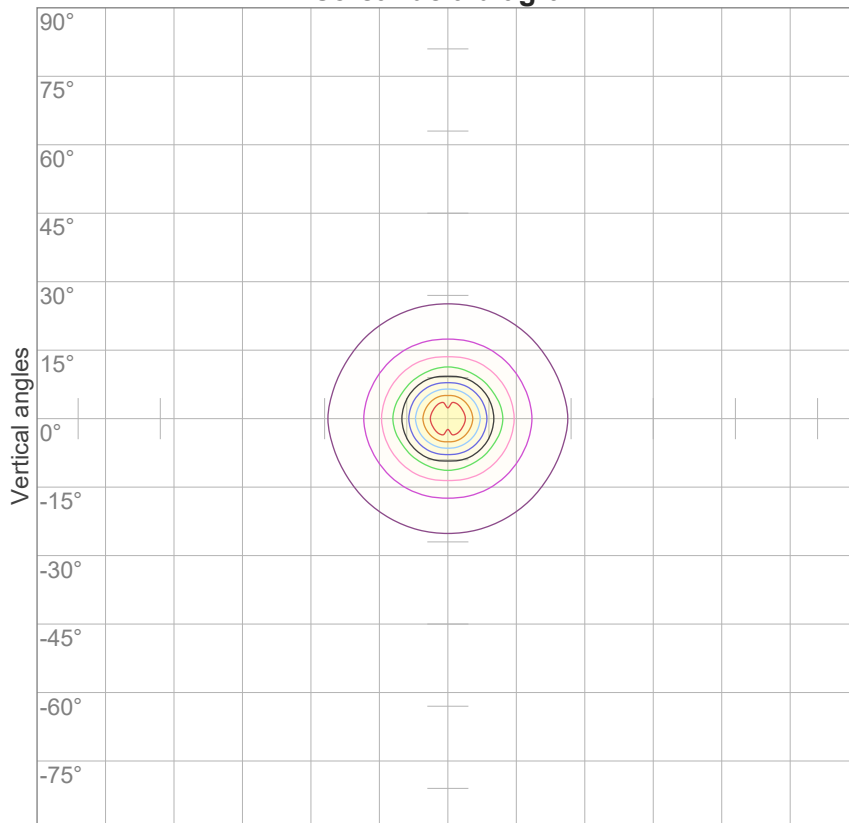
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1434	1321	1225	1114	930	746	608	492	386	327	268	227	194	164	143	122	107	93	81	72
100%	92%	85%	78%	65%	52%	42%	34%	27%	23%	19%	16%	14%	11%	10%	9%	7%	7%	6%	5%

## 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°
1434	1467	1312	1153	989	818	648	542	438	356	300	244	212	181	155	136	116	103	90	80
100%	102%	91%	80%	69%	57%	45%	38%	31%	25%	21%	17%	15%	13%	11%	9%	8%	7%	6%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21.7°	56.7°	104.8°	91.9%	82.1%

iso-candela diagram



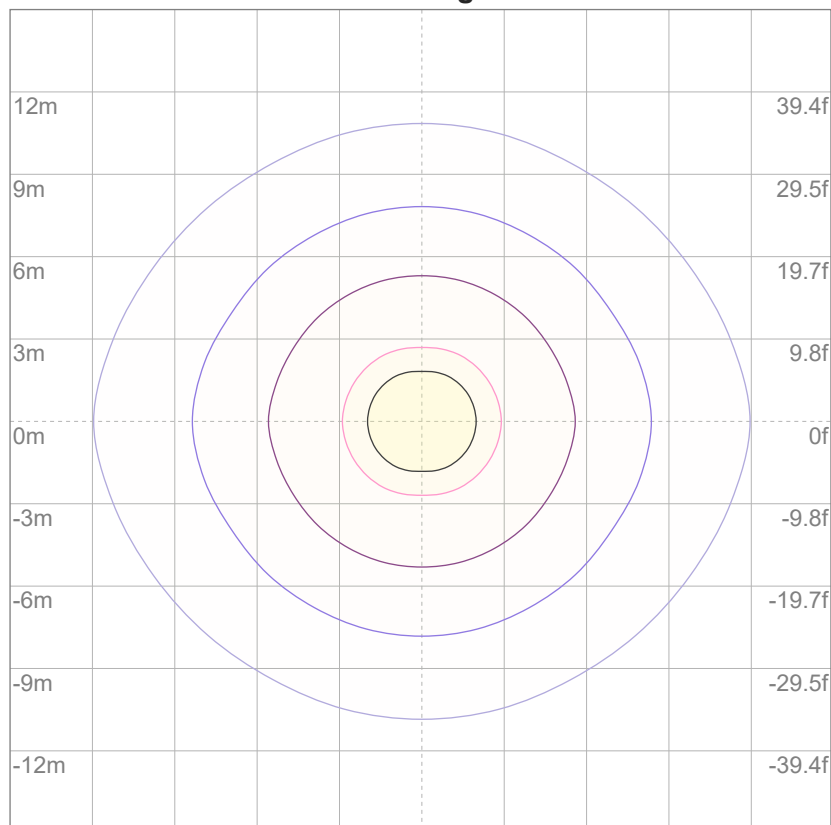
10%	143 cd
20%	287 cd
30%	430 cd
40%	574 cd
50%	717 cd
60%	861 cd
70%	1004 cd
80%	1147 cd
90%	1291 cd

Conditions:

Number of c-planes: 12

Candela at center: 1434 cd

iso-lux diagram



3%	0.430 lx
5%	0.717 lx
10%	1.43 lx
30%	4.30 lx
50%	7.17 lx

Conditions:

Number of c-planes: 12

Lux at center: 14.3 lx

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

**Glare evaluation according to UGR**

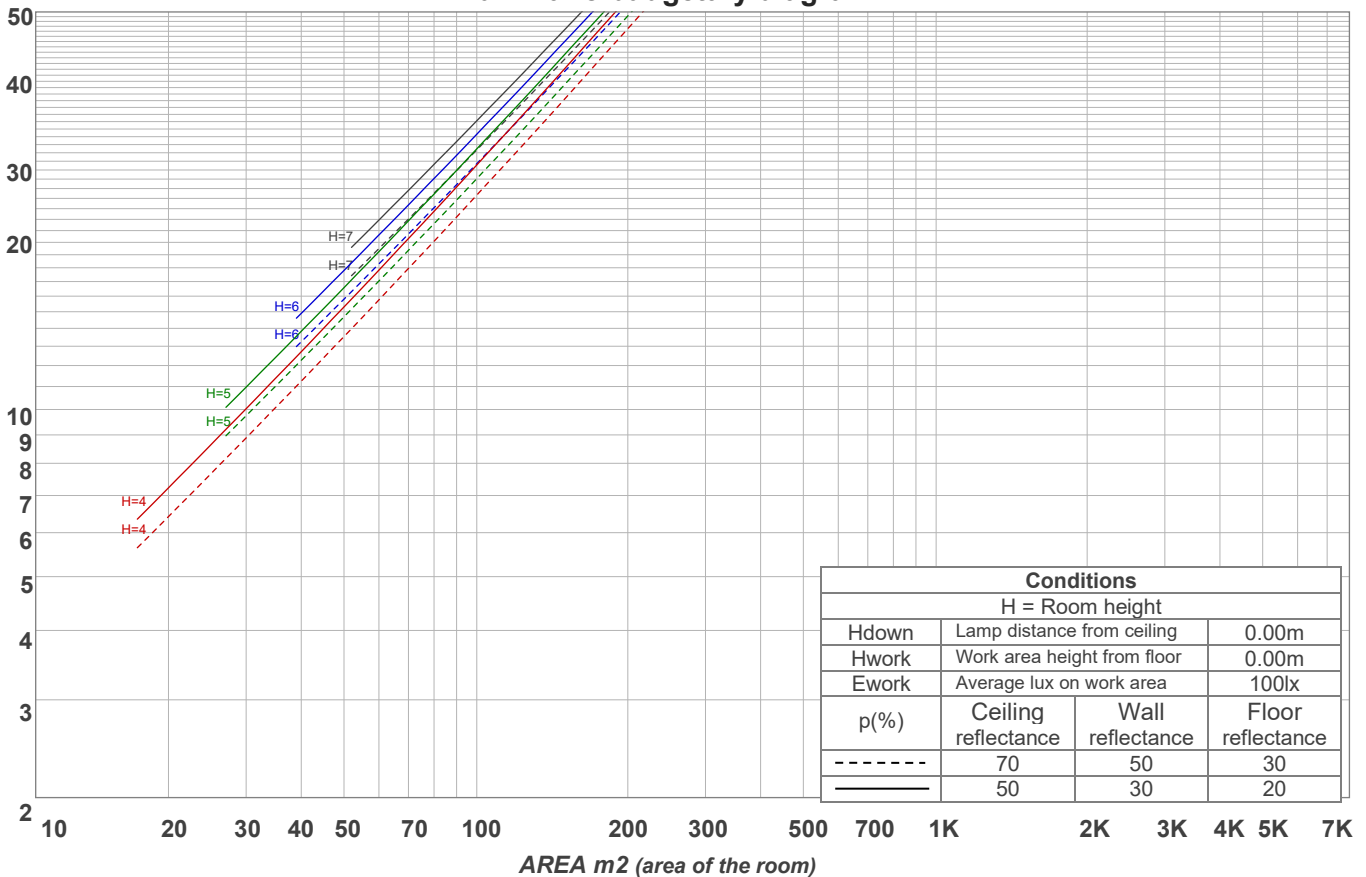
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	9.6	10.3	9.7	10.6	10.8	11.4	12.1	11.5	12.4	12.6
	3H	10.2	11.0	10.6	11.3	11.5	12.4	13.3	12.8	13.5	13.7
	4H	10.4	11.2	10.9	11.5	11.8	12.9	13.7	13.3	14.0	14.2
	6H	10.6	11.3	10.9	11.6	12.0	13.3	14.0	13.6	14.3	14.7
	8H	10.6	11.3	10.9	11.6	12.0	13.4	14.0	13.7	14.4	14.8
	12H	10.6	11.2	10.9	11.6	12.0	13.4	14.1	13.8	14.4	14.9
4H	2H	9.9	10.7	10.4	11.0	11.3	11.5	12.3	11.9	12.5	12.8
	3H	10.9	11.5	11.3	11.9	12.3	12.8	13.5	13.2	13.8	14.3
	4H	11.1	11.7	11.6	12.2	12.7	13.3	13.9	13.8	14.4	14.9
	6H	11.3	11.9	11.8	12.2	12.6	13.7	14.3	14.2	14.7	15.1
	8H	11.3	11.8	11.8	12.2	12.6	13.8	14.4	14.3	14.7	15.1
	12H	11.3	11.7	11.8	12.1	12.6	13.9	14.3	14.4	14.7	15.2
8H	4H	11.3	11.8	11.8	12.2	12.6	13.3	13.9	13.9	14.3	14.6
	6H	11.5	11.9	12.0	12.3	12.9	13.8	14.2	14.3	14.7	15.2
	8H	11.6	11.9	12.1	12.4	13.1	14.0	14.3	14.5	14.8	15.5
	12H	11.6	11.8	12.2	12.3	13.0	14.1	14.3	14.7	14.8	15.5
12H	4H	11.2	11.7	11.8	12.1	12.6	13.3	13.7	13.8	14.2	14.6
	6H	11.5	11.8	12.1	12.4	13.0	13.8	14.1	14.3	14.7	15.3
	8H	11.6	11.8	12.2	12.4	13.0	13.9	14.2	14.5	14.7	15.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.6 / -0.6					0.5 / -0.4				
S = 1.5H		1.4 / -1.1					1.3 / -0.9				
S = 2.0H		2.2 / -1.6					2.1 / -1.5				
CIE 117-1995. Corrected glare indices referring to 480 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	101	101	101	99
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	89	87	85	83
3	100	93	88	84	98	92	87	83	89	85	82	87	83	80	84	81	79	77
4	95	87	81	77	93	86	81	76	84	79	75	82	78	74	80	76	73	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	61	60
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	73	64	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

LAMPS (number of lamps)

## Luminaire budgetary diagram



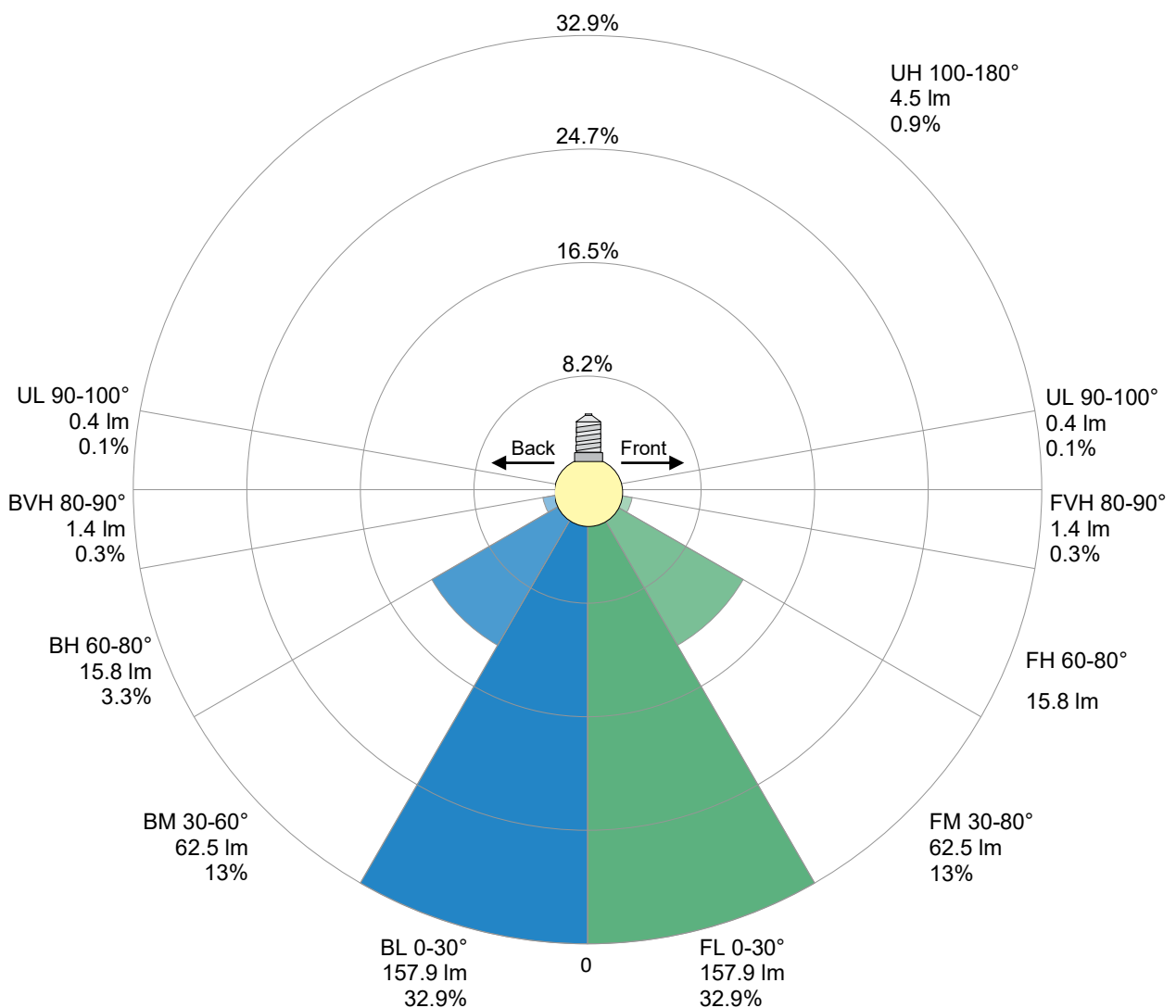
## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
105 lm	127 lm	84.9 lm	56.5 lm	39.0 lm	29.0 lm	20.7 lm	10.9 lm	2.58 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.376 lm	0.439 lm	0.360 lm	0.570 lm	0.701 lm	0.901 lm	0.780 lm	0.573 lm	0.201 lm

LCS table

BUG rating:	B1 U1 G0	
Forward light	Lumens	Lumens %
Low(0-30):	157.9	32.9%
Medium(30-60):	62.5	13%
High(60-80):	15.8	3.3%
Very high(80-90):	1.4	0.3%
Back light		
Low(0-30):	157.9	32.9%
Medium(30-60):	62.5	13%
High(60-80):	15.8	3.3%
Very high(80-90):	1.4	0.3%
Uplight		
Low(90-100):	0.4	0.1%
High(100-180):	4.5	0.9%

LCS graph

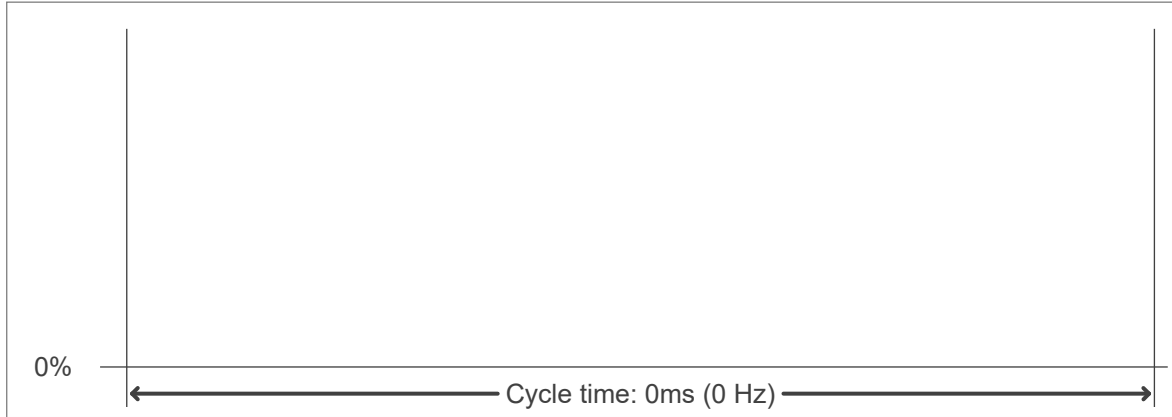




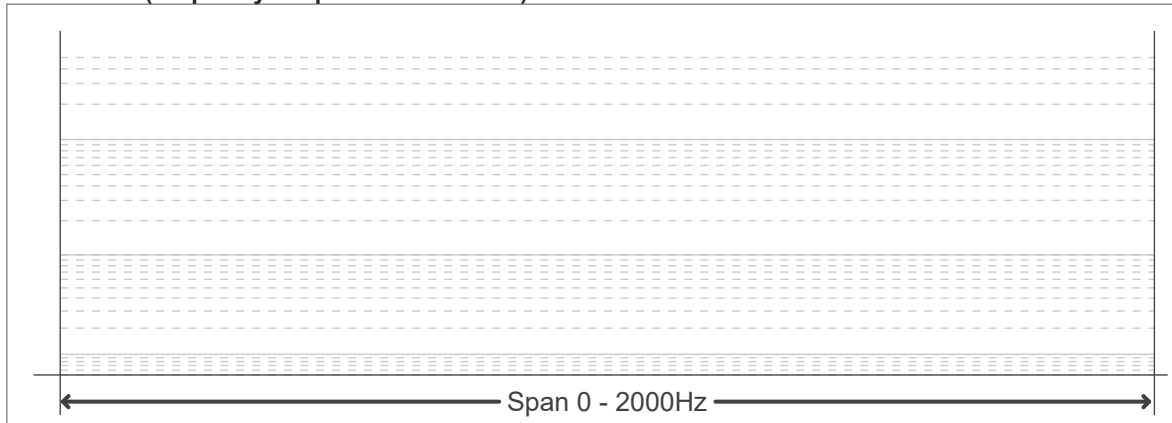
**Flicker curve (complete sampled flicker signal)**



**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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