

Light efficiency:

38 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

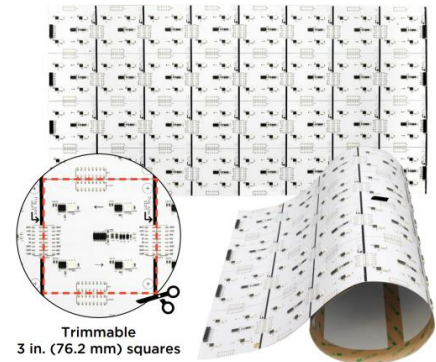
0 K

Output: 1673 lm

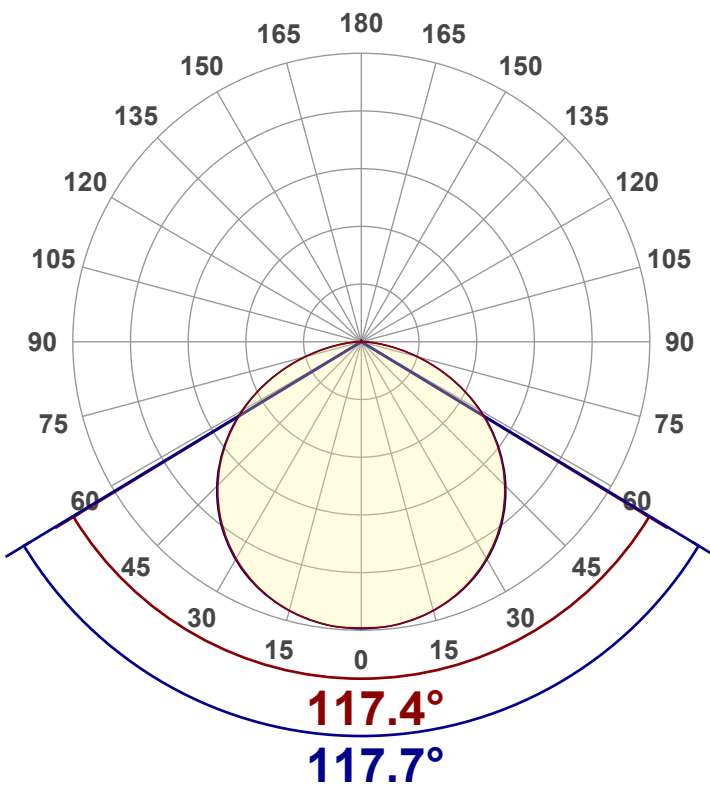
Peak: 551 cd

Power: 43.5 W

PF: 1.0



UL ETL CE RoHS IP20



Tracking number: [VT250701-000472](#)

Product name:
FBLADD242045RGB_ALLON

Item number:

Date and time:
7/1/2025 4:52:04 PM

Operator:
KZ

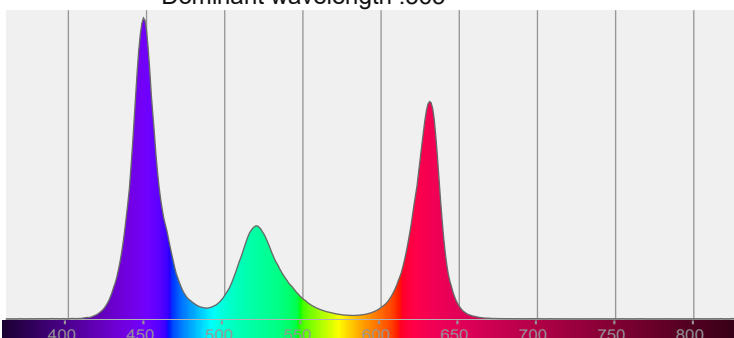
Description:
609MM*305MM



CIE 1931
x: 0.273
y: 0.194

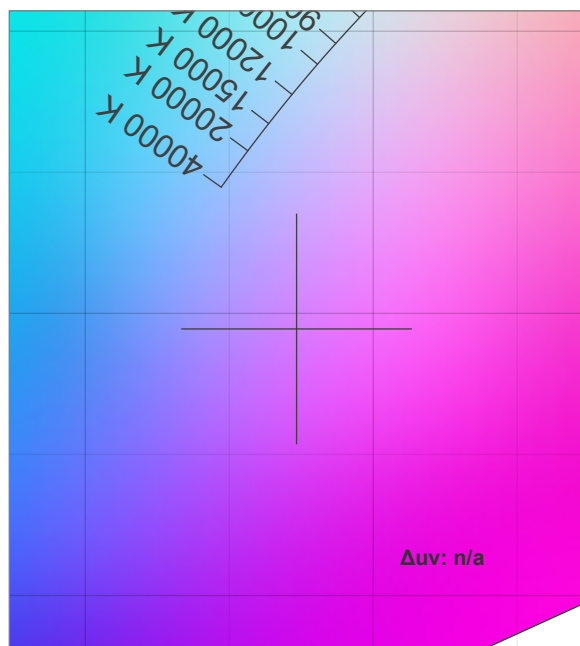
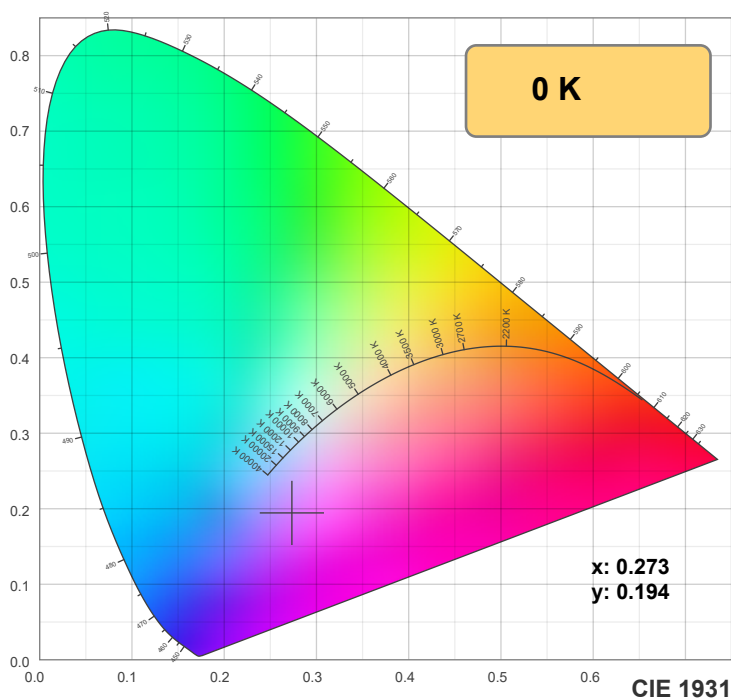
Spectra: Peak wavelength :448

Dominant wavelength :563

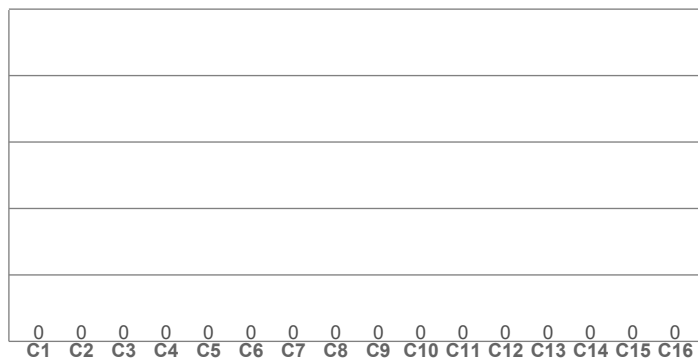


Power

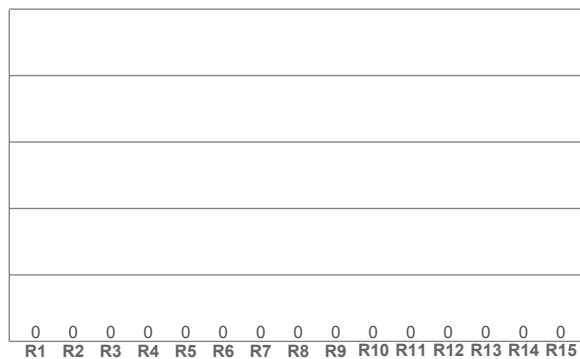
Voltage: 24.0 V
Current: 1.81 A
Frequency: 0 Hz



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

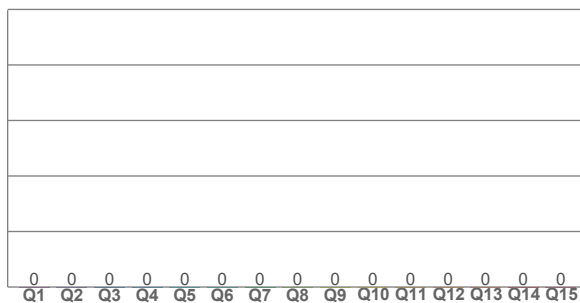
TM30 C values, 16 binned values out of total of 99 C values

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	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.273	0.194	0.228	0.244	n/a

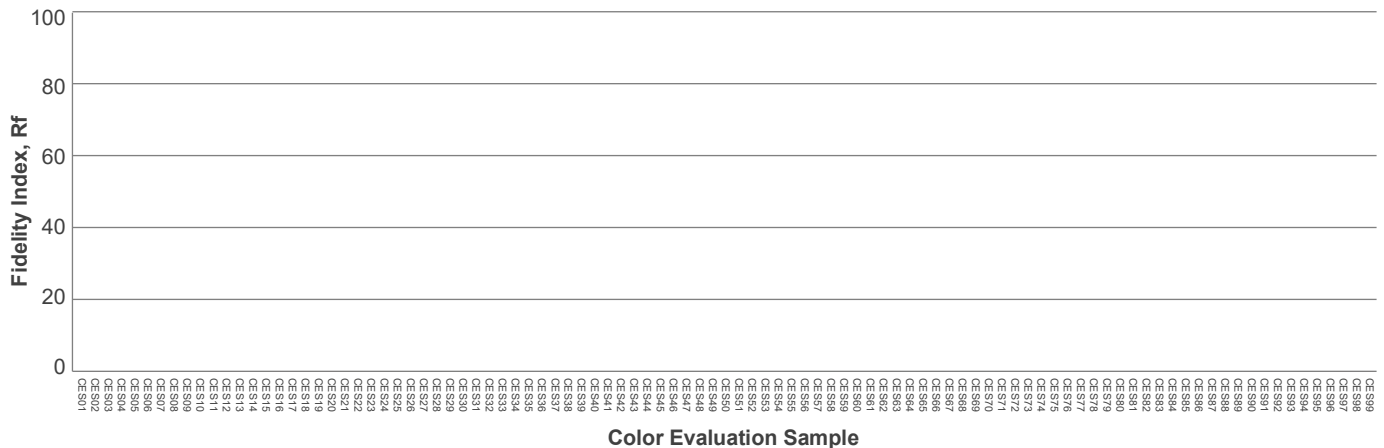
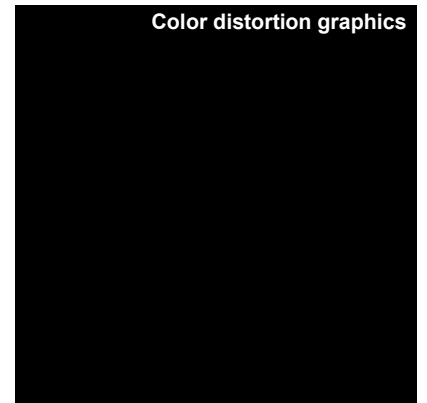
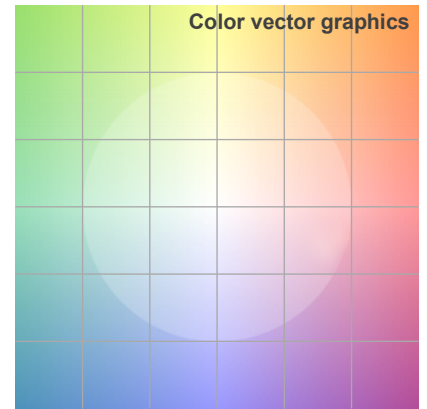
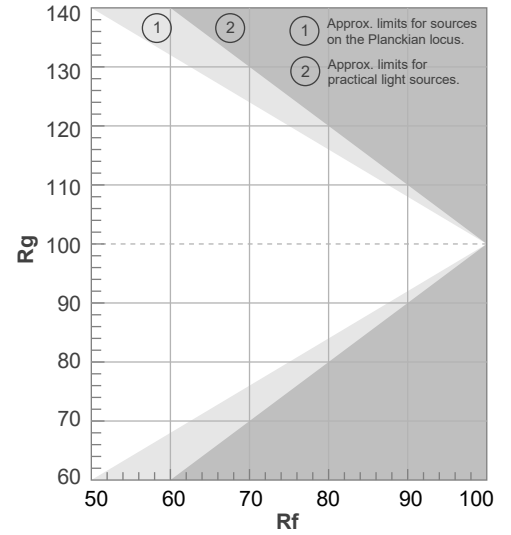
Rf 0.0

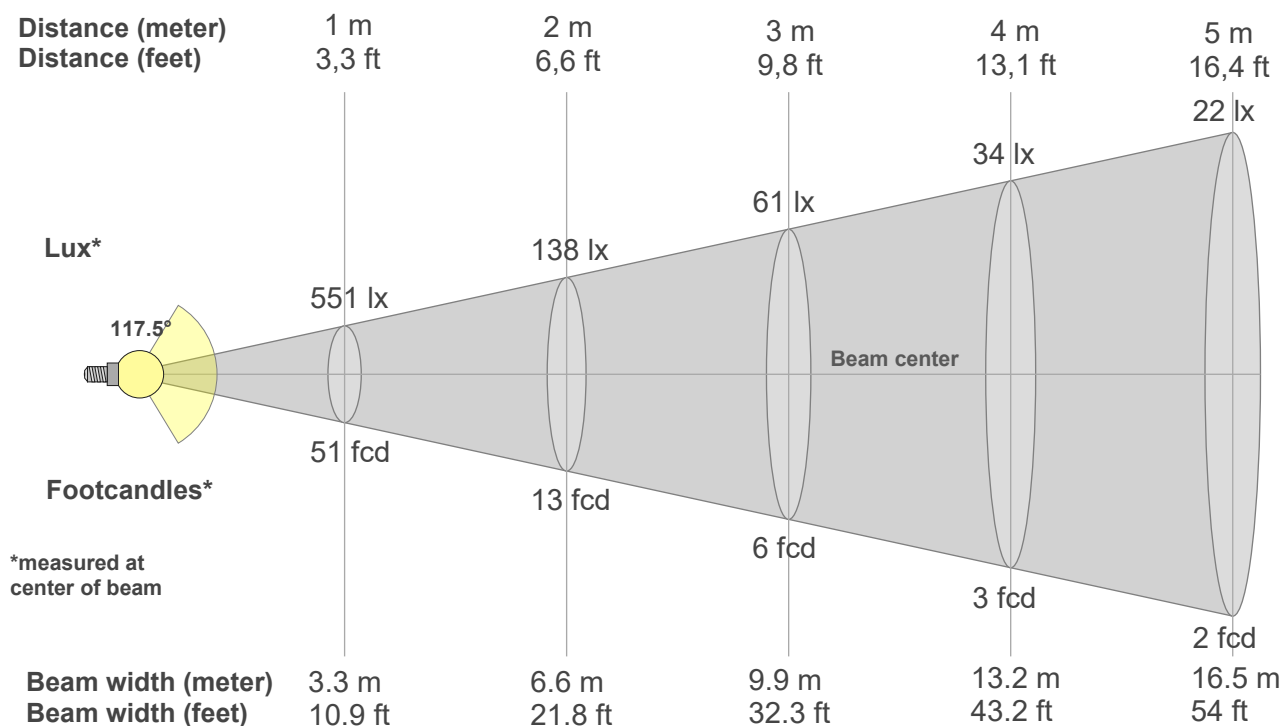
Fidelity index Rf

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
551lx	138lx	61lx	34lx	22lx	15lx	11lx	9lx	7lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx	1lx
51.2fcd	12.8fcd	5.7fcd	3.2fcd	2fcd	1.4fcd	1fcd	0.8fcd	0.6fcd	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
551	549	544	534	521	503	481	455	424	390	351	308	263	214	163	113	65	27	6	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	64%	56%	48%	39%	30%	20%	12%	5%	1%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
551	549	544	535	522	505	483	457	427	392	353	311	265	215	164	113	65	28	8	2
100%	100%	99%	97%	95%	92%	88%	83%	77%	71%	64%	56%	48%	39%	30%	20%	12%	5%	2%	0%

Intensities in 180° c-plane

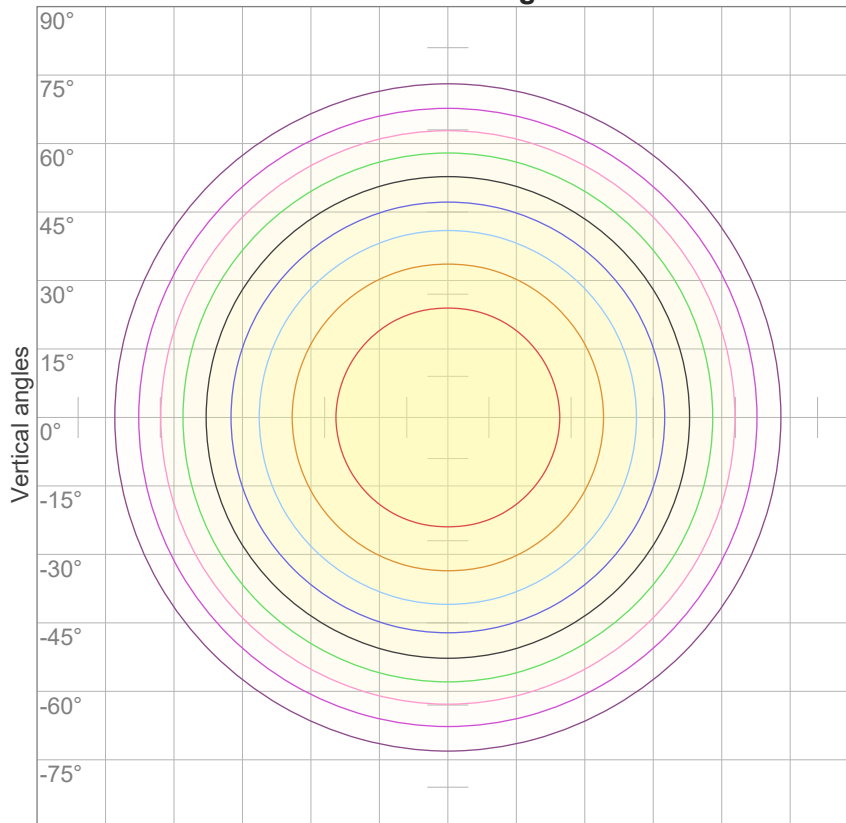
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
551	549	544	534	521	503	481	455	424	390	351	308	263	214	163	113	65	27	6	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	64%	56%	48%	39%	30%	20%	12%	5%	1%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
551	549	544	535	522	505	483	457	427	392	353	311	265	215	164	113	65	28	8	2
100%	100%	99%	97%	95%	92%	88%	83%	77%	71%	64%	56%	48%	39%	30%	20%	12%	5%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
117.5°	162.2°	174.9°	77.8%	52.2%

iso-candela diagram



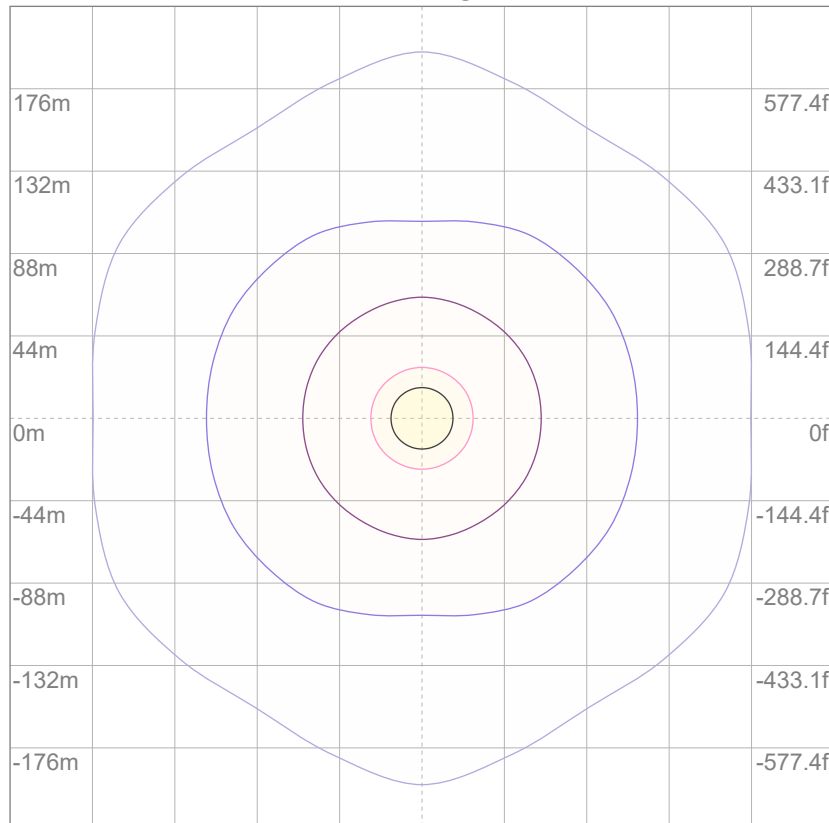
10%	55 cd
20%	110 cd
30%	165 cd
40%	220 cd
50%	276 cd
60%	331 cd
70%	386 cd
80%	441 cd
90%	496 cd

Conditions:

Number of c-planes: 12

Candela at center: 551 cd

iso-lux diagram



3%	0.165 lx
5%	0.276 lx
10%	0.551 lx
30%	1.65 lx
50%	2.76 lx

Conditions:

Number of c-planes: 12

Lux at center: 5.51 lx

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

Glare evaluation according to UGR

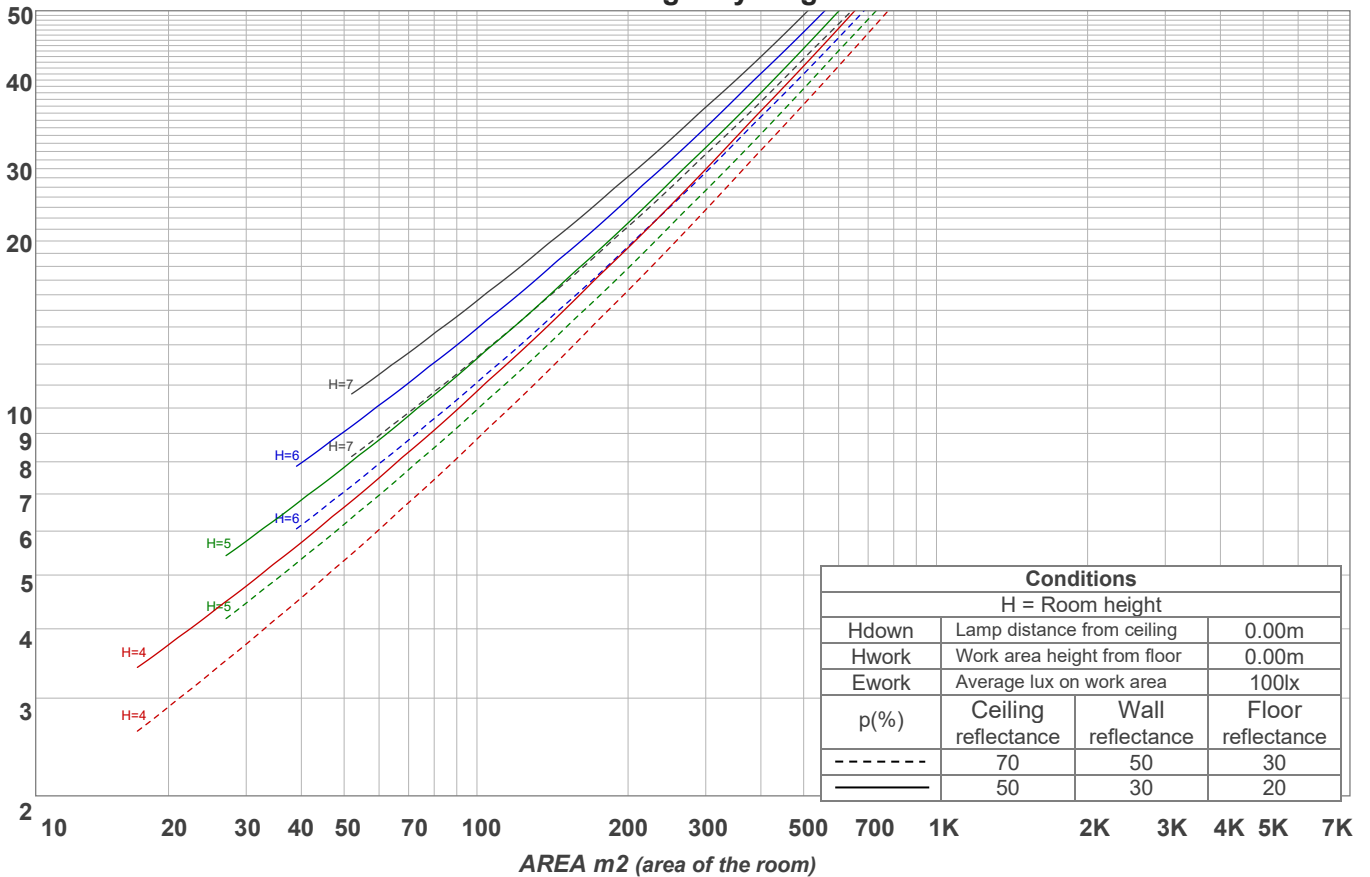
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	16.2	17.4	16.4	17.7	18.0	16.3	17.5	16.5	17.8	18.1
	3H	17.6	18.9	18.0	19.2	19.4	17.7	19.0	18.2	19.3	19.5
	4H	18.2	19.4	18.6	19.7	20.0	18.3	19.6	18.8	19.8	20.1
	6H	18.7	19.7	19.0	20.0	20.4	18.8	19.9	19.1	20.2	20.6
	8H	18.8	19.8	19.1	20.1	20.6	18.9	20.0	19.3	20.3	20.7
	12H	18.8	19.8	19.2	20.2	20.6	19.0	20.0	19.4	20.3	20.8
4H	2H	16.8	18.0	17.2	18.3	18.6	16.9	18.1	17.3	18.4	18.6
	3H	18.5	19.5	18.9	19.9	20.4	18.6	19.6	19.0	20.0	20.5
	4H	19.2	20.1	19.6	20.5	21.1	19.3	20.2	19.7	20.6	21.2
	6H	19.7	20.5	20.2	20.9	21.3	19.8	20.7	20.3	21.0	21.4
	8H	19.8	20.6	20.3	21.0	21.4	19.9	20.8	20.5	21.1	21.5
	12H	19.9	20.6	20.4	21.0	21.5	20.0	20.7	20.5	21.2	21.6
8H	4H	19.4	20.2	19.9	20.6	21.0	19.5	20.3	20.0	20.7	21.1
	6H	20.1	20.7	20.6	21.2	21.7	20.2	20.8	20.7	21.3	21.8
	8H	20.3	20.8	20.8	21.4	22.0	20.4	21.0	21.0	21.5	22.2
	12H	20.5	20.9	21.0	21.4	22.0	20.6	21.1	21.2	21.6	22.2
12H	4H	19.4	20.1	19.9	20.5	21.0	19.5	20.2	20.0	20.6	21.1
	6H	20.1	20.7	20.7	21.2	21.9	20.2	20.8	20.8	21.3	22.0
	8H	20.4	20.8	21.0	21.4	22.0	20.5	21.0	21.1	21.5	22.1
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.1					0.1 / -0.1				
S = 1.5H		0.2 / -0.3					0.1 / -0.2				
S = 2.0H		0.4 / -0.5					0.4 / -0.5				
CIE 117-1995. Corrected glare indices referring to 1673 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	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

LAMPS (number of lamps)

Luminaire budgetary diagram



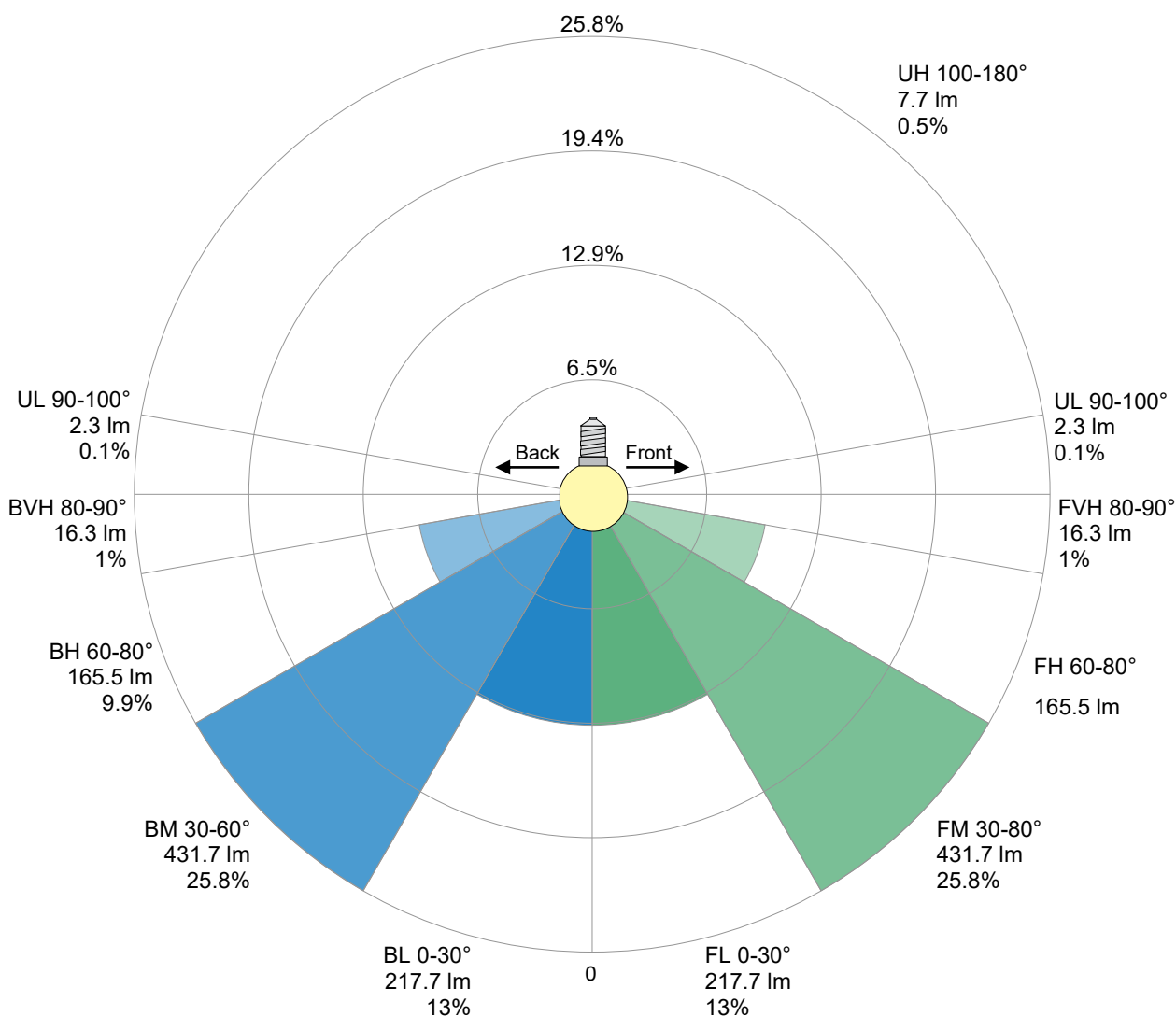
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
52.3 lm	151 lm	233 lm	286 lm	302 lm	277 lm	212 lm	119 lm	30.7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
1.73 lm	0.982 lm	1.21 lm	1.30 lm	1.30 lm	1.20 lm	0.922 lm	0.582 lm	0.206 lm

LCS table

BUG rating:	B1 U1 G1	
Forward light	Lumens	Lumens %
Low(0-30):	217.7	13%
Medium(30-60):	431.7	25.8%
High(60-80):	165.5	9.9%
Very high(80-90):	16.3	1%
Back light		
Low(0-30):	217.7	13%
Medium(30-60):	431.7	25.8%
High(60-80):	165.5	9.9%
Very high(80-90):	16.3	1%
Uplight		
Low(90-100):	2.3	0.1%
High(100-180):	7.7	0.5%

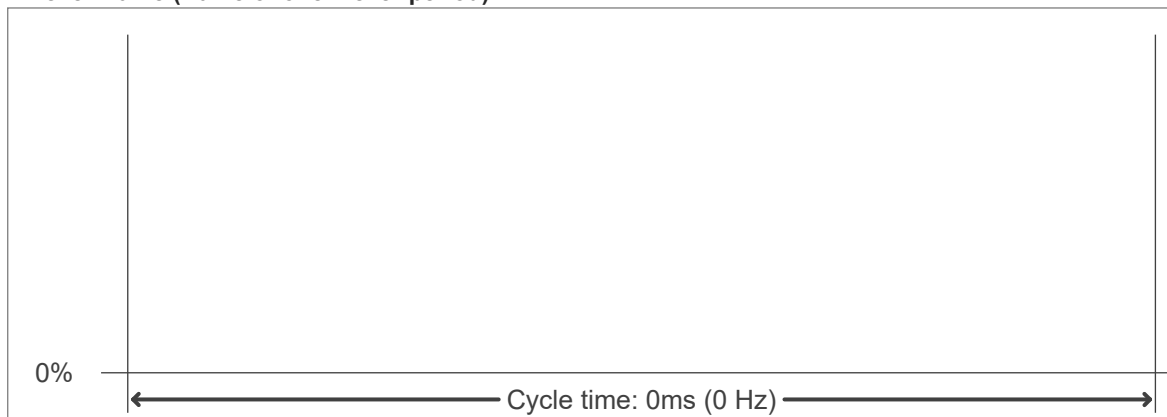
LCS graph



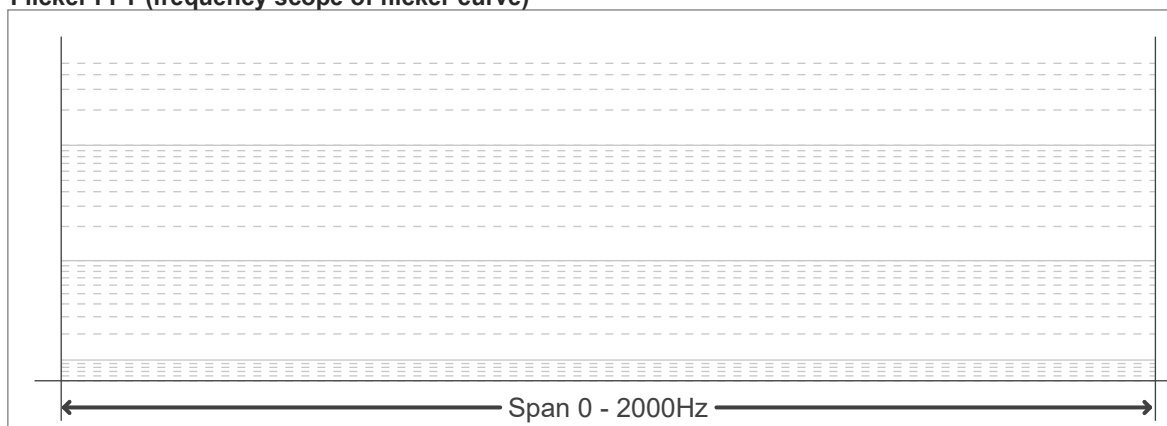
Flicker curve (complete sampled flicker signal)



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
--------------	--------------------