

Light efficiency:



Light quality:



Color temperature:

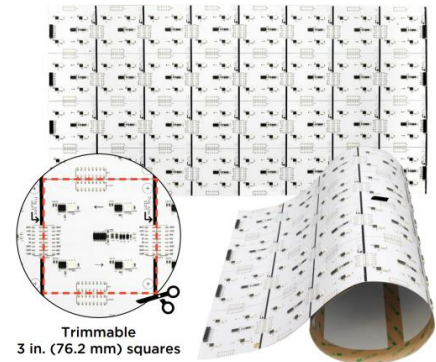


Output: 574 lm

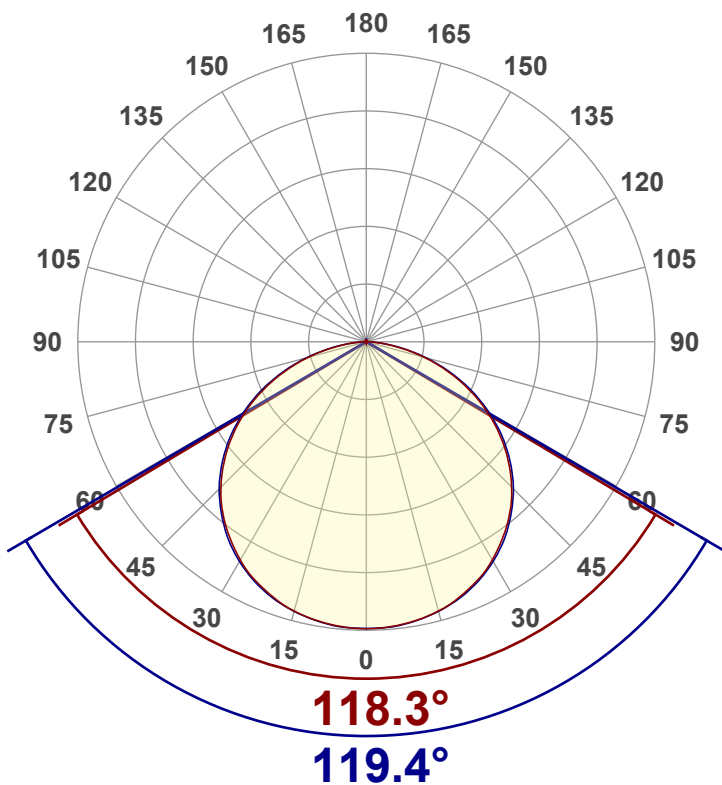
Peak: 186 cd

Power: 45.7 W

PF: 1.0



UL ETL CE RoHS IP20



Tracking number: [VT250701-000603](https://www.agilight.com/track/VT250701-000603)

Product name:
FBLADD242045RGB_R

Item number:

Date and time:
7/1/2025 4:32:56 PM

Operator:
KZ

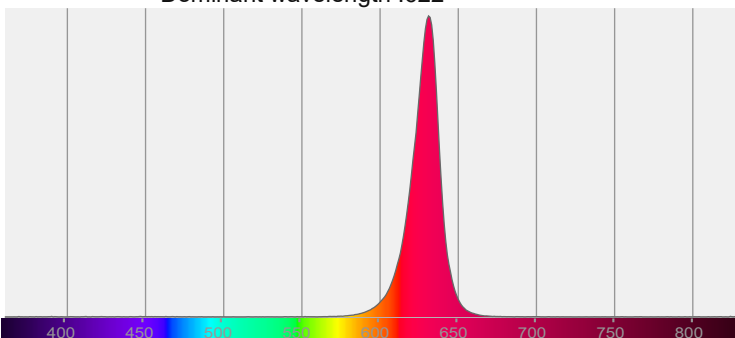
Description:
609MM*305MM



CIE 1931
x: 0.691
y: 0.305

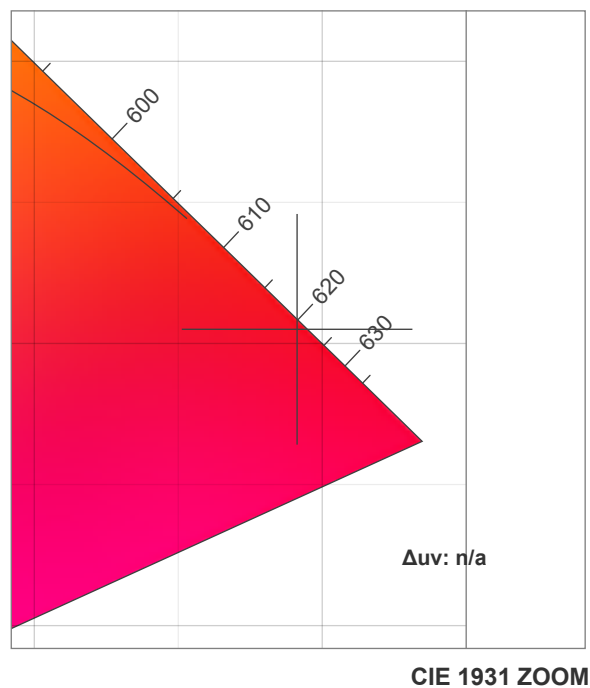
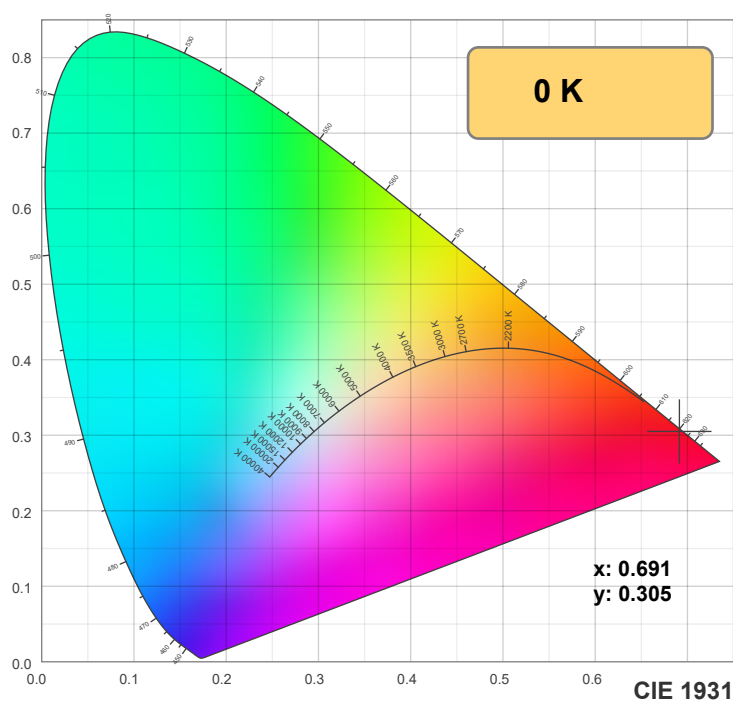
Spectra: Peak wavelength :631

Dominant wavelength :622



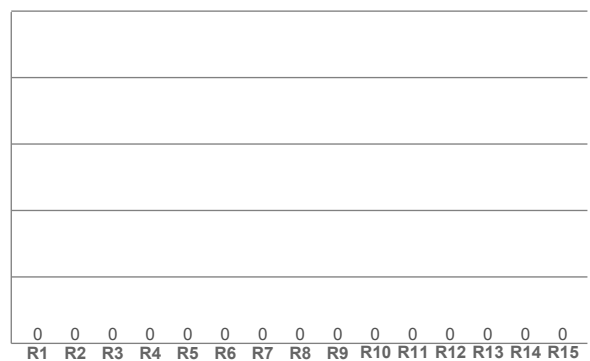
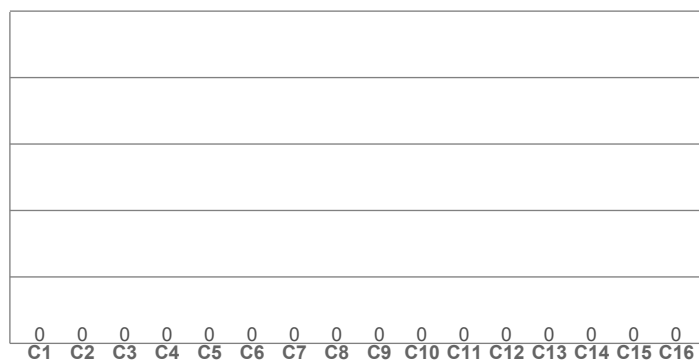
Power

Voltage: 24.0 V
Current: 1.90 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

[illegible]

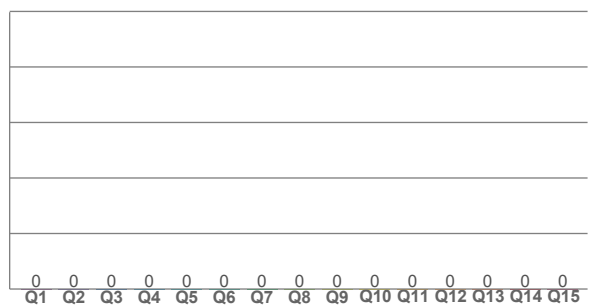
TM30 C values, 16 binned values out of total of 99 C values

[illegible]

CQS Q values

[illegible]

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 diviation 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	0.691	0.305	0.524	0.347	n/a

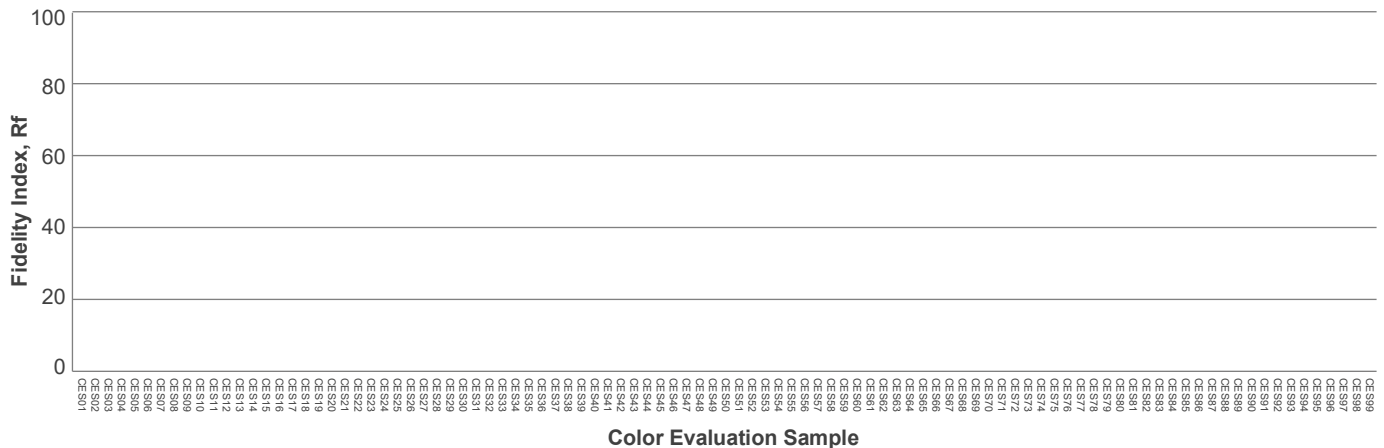
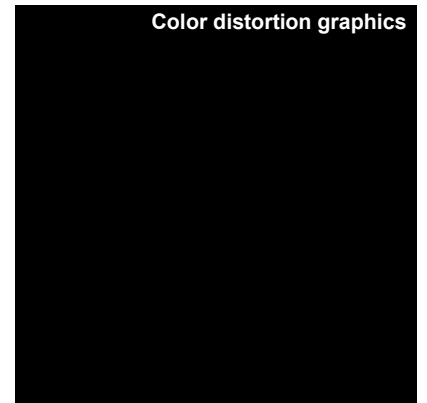
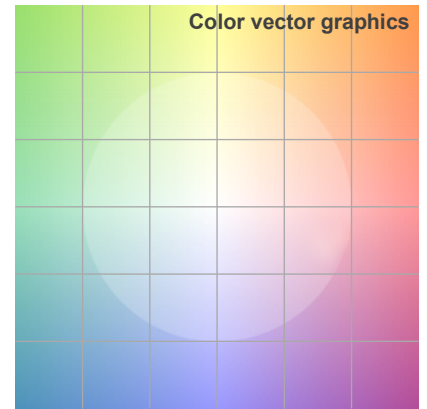
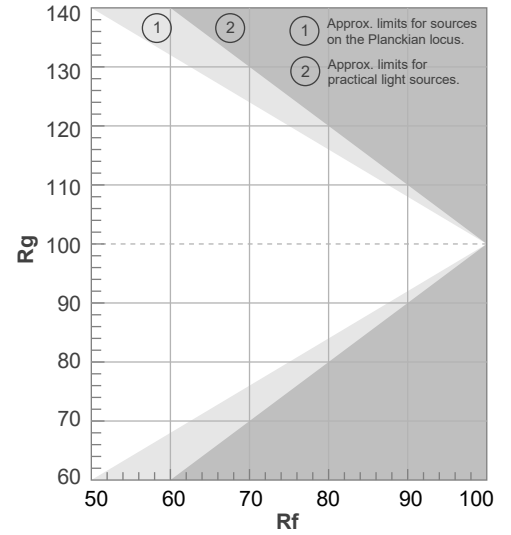
Rf 0.0

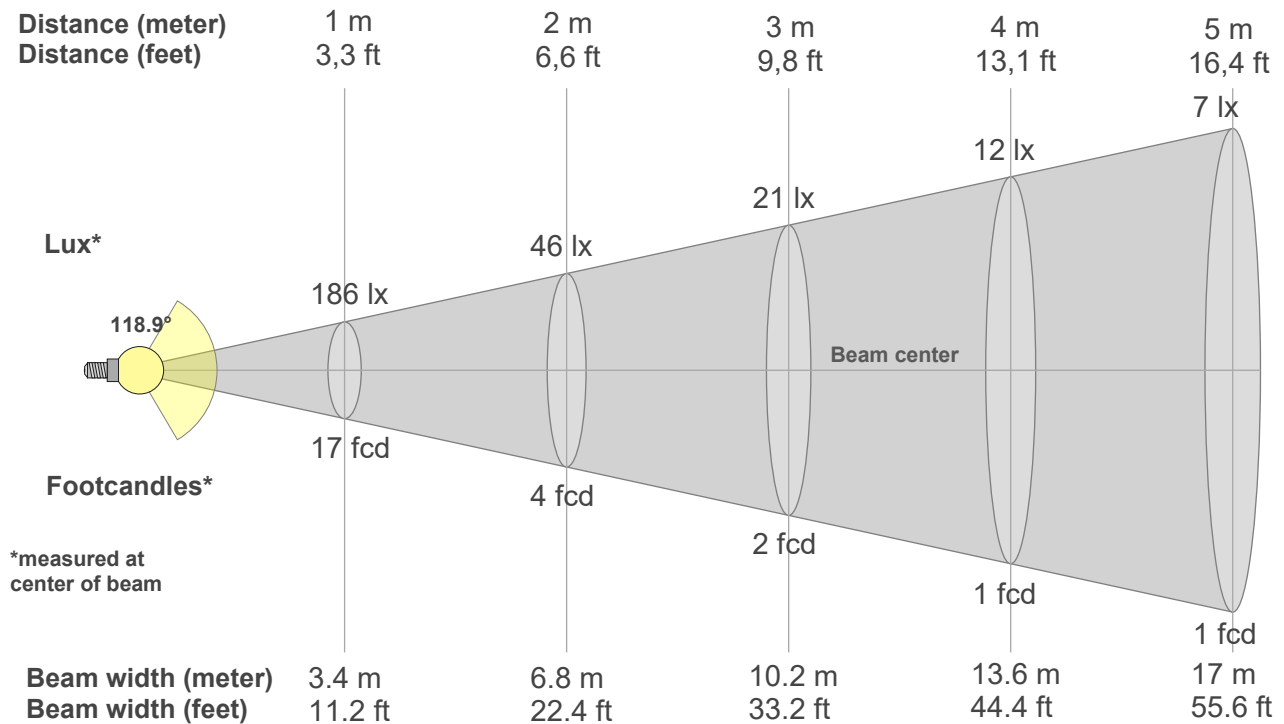
Fidelity index Rf

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
186lx	46lx	21lx	12lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx
17.3fcd	4.3fcd	1.9fcd	1.1fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd

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°
186	185	184	181	176	171	163	155	145	133	120	106	90	74	56	39	23	9	2	0
100%	100%	99%	97%	95%	92%	88%	83%	78%	72%	65%	57%	49%	40%	30%	21%	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°
186	186	184	181	177	171	164	156	146	135	122	108	92	76	58	40	23	9	2	0
100%	100%	99%	97%	95%	92%	88%	84%	79%	73%	66%	58%	50%	41%	31%	22%	13%	5%	1%	0%

Intensities in 180° c-plane

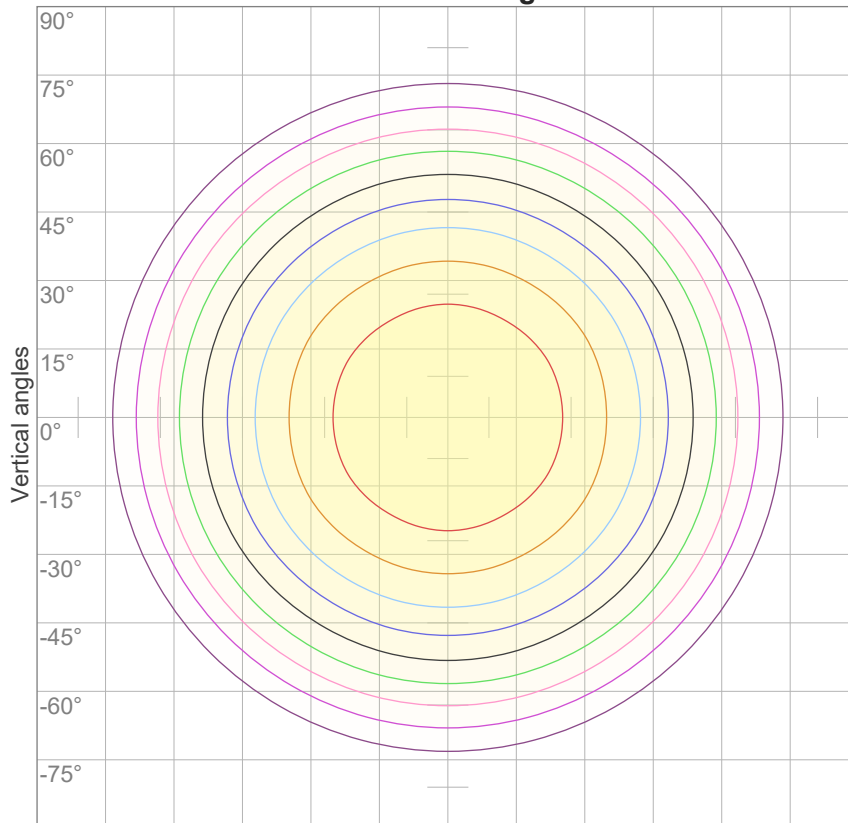
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
186	185	184	181	176	171	163	155	145	133	120	106	90	74	56	39	23	9	2	0
100%	100%	99%	97%	95%	92%	88%	83%	78%	72%	65%	57%	49%	40%	30%	21%	12%	5%	1%	0%

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°
186	186	184	181	177	171	164	156	146	135	122	108	92	76	58	40	23	9	2	0
100%	100%	99%	97%	95%	92%	88%	84%	79%	73%	66%	58%	50%	41%	31%	22%	13%	5%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
118.9°	162.8°	175°	77.3%	51.7%

iso-candela diagram



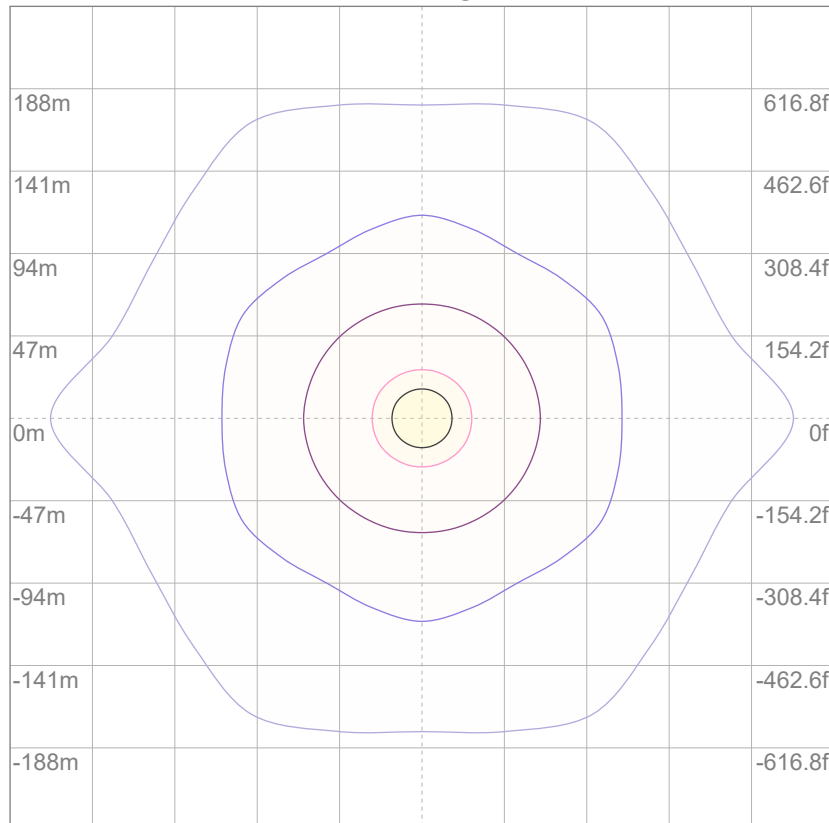
10%	19 cd
20%	37 cd
30%	56 cd
40%	74 cd
50%	93 cd
60%	112 cd
70%	130 cd
80%	149 cd
90%	167 cd

Conditions:

Number of c-planes: 12

Candela at center: 186 cd

iso-lux diagram



3%	55.8m lx
5%	93.0m lx
10%	0.186 lx
30%	0.558 lx
50%	0.930 lx

Conditions:

Number of c-planes: 12

Lux at center: 1.86 lx

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

Glare evaluation according to UGR

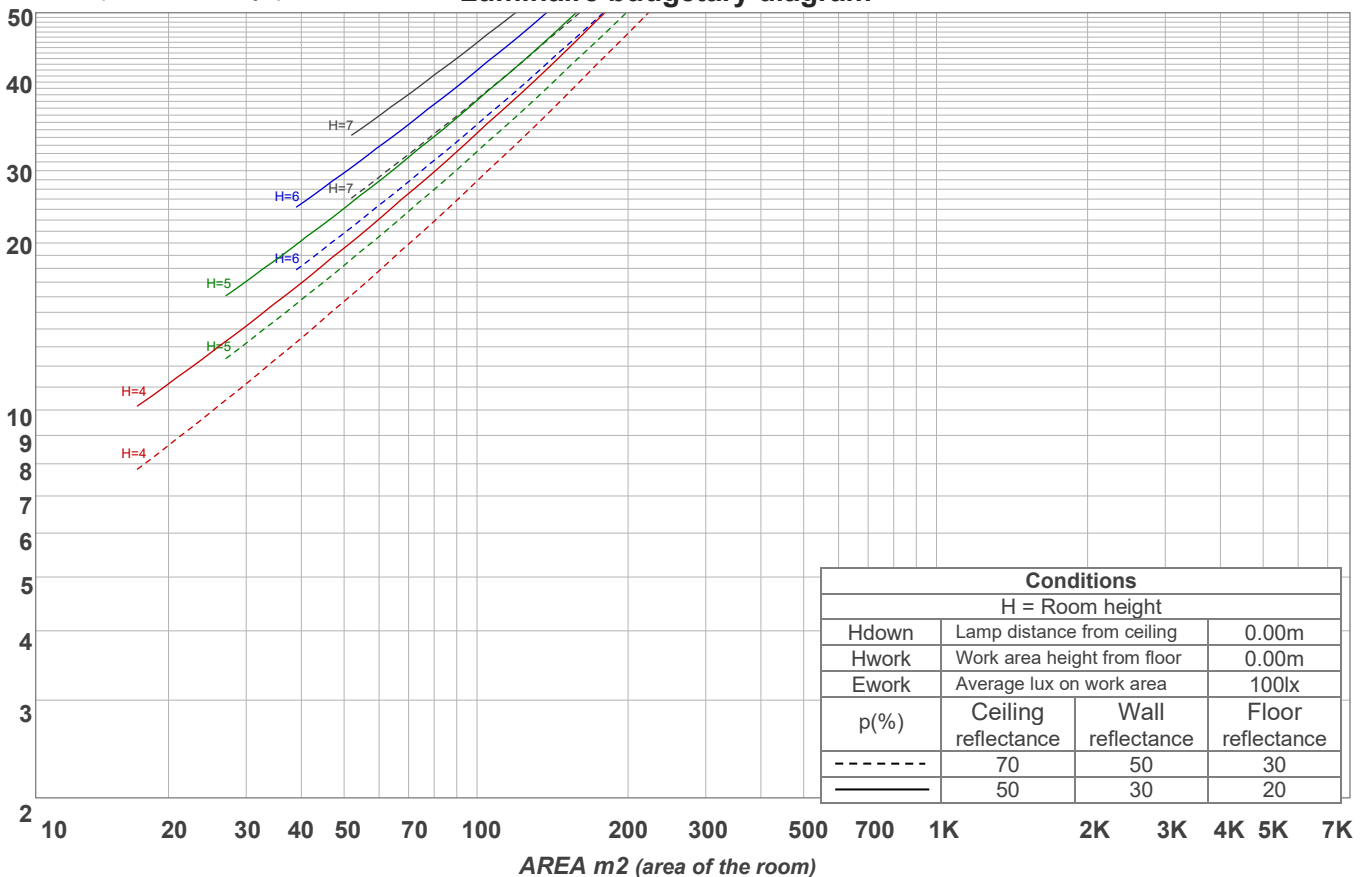
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	12.5	13.7	12.7	14.0	14.3	12.6	13.9	12.9	14.2	14.4
	3H	13.9	15.2	14.4	15.5	15.7	14.1	15.4	14.5	15.7	15.9
	4H	14.5	15.8	15.0	16.0	16.3	14.8	16.0	15.2	16.3	16.5
	6H	15.0	16.1	15.3	16.4	16.8	15.2	16.3	15.6	16.6	17.0
	8H	15.1	16.1	15.5	16.5	16.9	15.4	16.4	15.7	16.7	17.1
	12H	15.1	16.2	15.5	16.5	17.0	15.4	16.4	15.8	16.8	17.2
4H	2H	13.1	14.3	13.5	14.6	14.9	13.2	14.4	13.6	14.7	15.0
	3H	14.9	15.9	15.2	16.2	16.7	15.0	16.0	15.4	16.4	16.9
	4H	15.5	16.4	16.0	16.9	17.4	15.7	16.6	16.2	17.1	17.6
	6H	16.0	16.9	16.5	17.3	17.6	16.2	17.1	16.7	17.5	17.9
	8H	16.2	17.0	16.7	17.3	17.7	16.4	17.2	16.9	17.6	18.0
	12H	16.2	16.9	16.7	17.3	17.8	16.5	17.2	17.0	17.6	18.1
8H	4H	15.8	16.6	16.3	17.0	17.4	16.0	16.8	16.5	17.1	17.5
	6H	16.4	17.0	16.9	17.5	18.1	16.6	17.2	17.1	17.7	18.3
	8H	16.7	17.2	17.2	17.7	18.4	16.9	17.4	17.4	18.0	18.6
	12H	16.8	17.2	17.4	17.8	18.4	17.0	17.5	17.6	18.0	18.6
12H	4H	15.8	16.5	16.3	16.9	17.4	16.0	16.6	16.5	17.1	17.6
	6H	16.5	17.0	17.0	17.6	18.2	16.7	17.2	17.2	17.8	18.4
	8H	16.7	17.2	17.3	17.7	18.3	17.0	17.4	17.5	17.9	18.5
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 / -0.2					0.1 / -0.2				
S = 2.0H		0.4 / -0.5					0.4 / -0.5				
CIE 117-1995. Corrected glare indices referring to 574 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	108	103	99	95	106	101	97	94	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

LAMPS (number of lamps)

Luminaire budgetary diagram



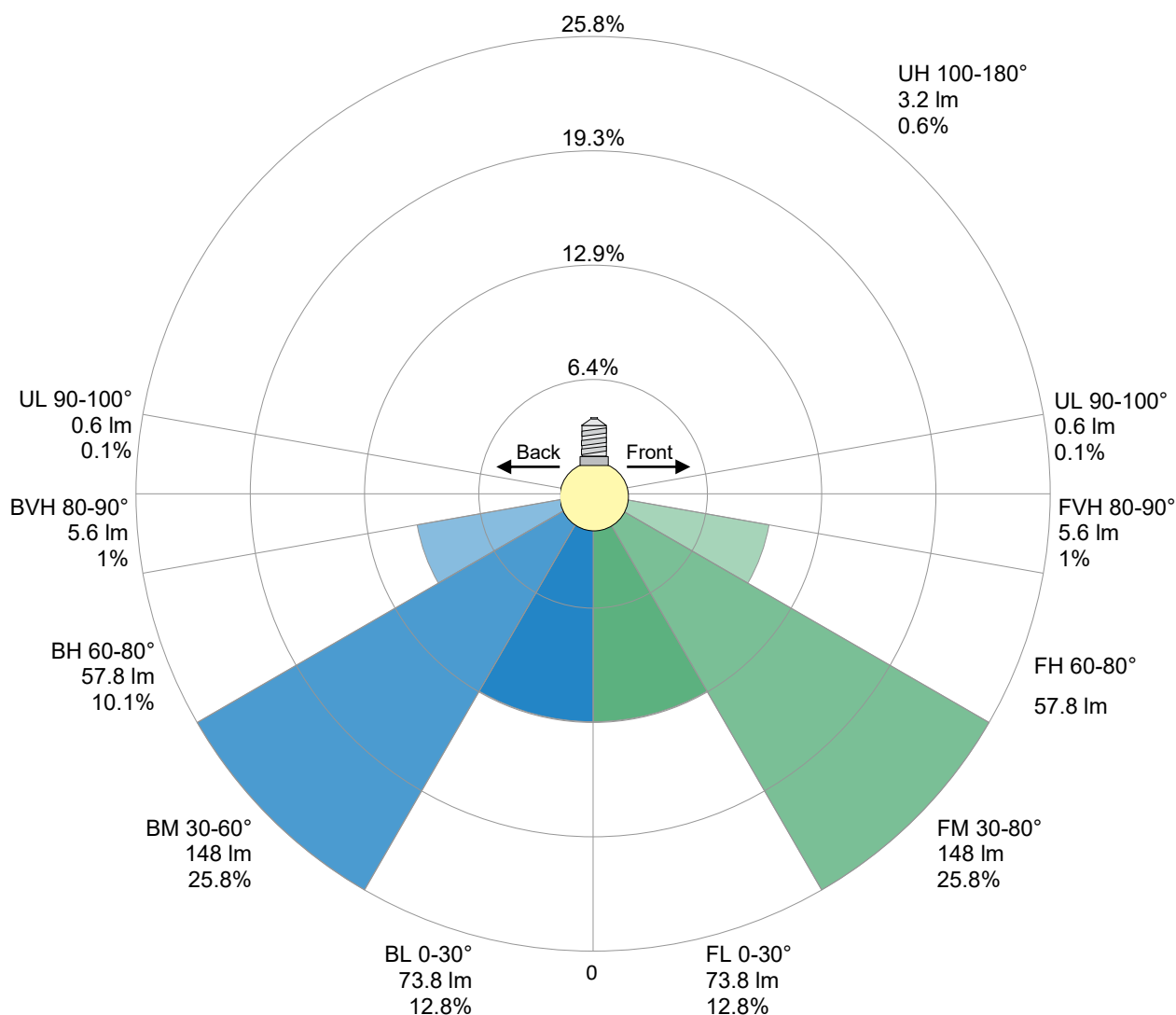
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
17.7 lm	51.1 lm	78.9 lm	97.4 lm	103 lm	95.5 lm	73.9 lm	41.8 lm	10.9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.505 lm	0.524 lm	0.518 lm	0.547 lm	0.512 lm	0.463 lm	0.350 lm	0.241 lm	0.078 lm

LCS table

BUG rating:	B0 U1 G0	
Forward light	Lumens	Lumens %
Low(0-30):	73.8	12.8%
Medium(30-60):	148	25.8%
High(60-80):	57.8	10.1%
Very high(80-90):	5.6	1%
Back light		
Low(0-30):	73.8	12.8%
Medium(30-60):	148	25.8%
High(60-80):	57.8	10.1%
Very high(80-90):	5.6	1%
Uplight		
Low(90-100):	0.6	0.1%
High(100-180):	3.2	0.6%

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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