

Light efficiency:

98 Lumen/Watt

Light quality:

CRI: 73,7

Color temperature:

4268 K

Output: 545 lm

Peak: 303 cd

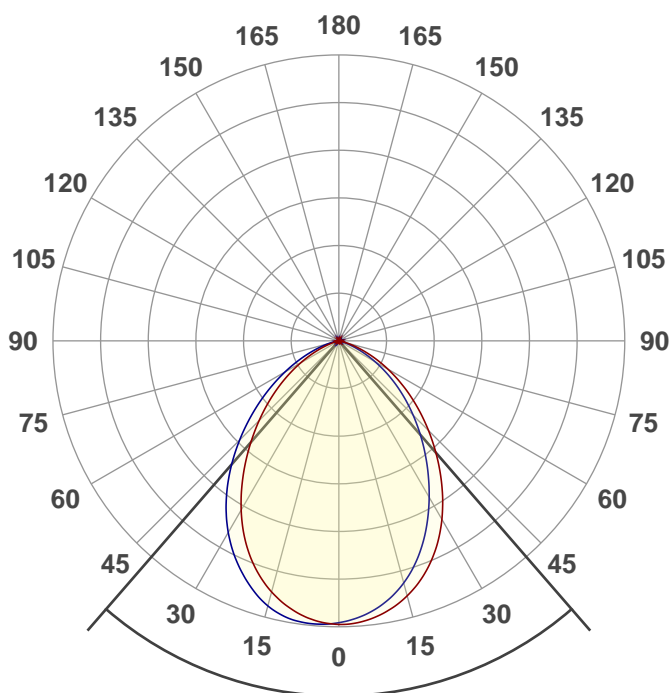
Power: 5,6 W

PF: 0,61



Product name:

E0208-8113A-1-BLED7W-GU10-4K-EC



Beam angle

81,9°



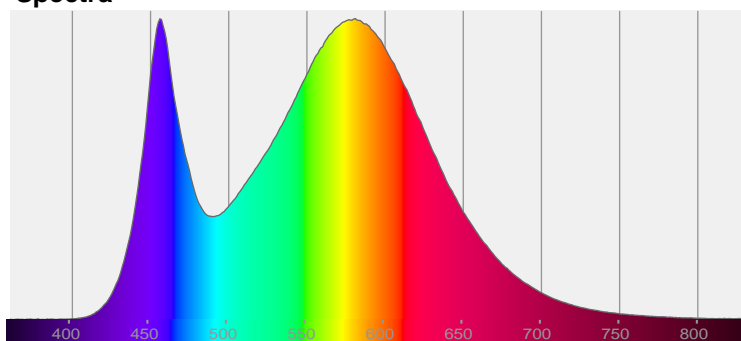
CIE 1931
x: 0,371
y: 0,375

THD Values:

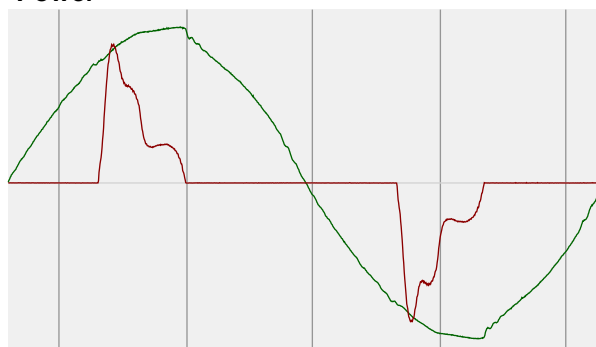
Voltage: 2,63%

Current: 119,96%

Spectra

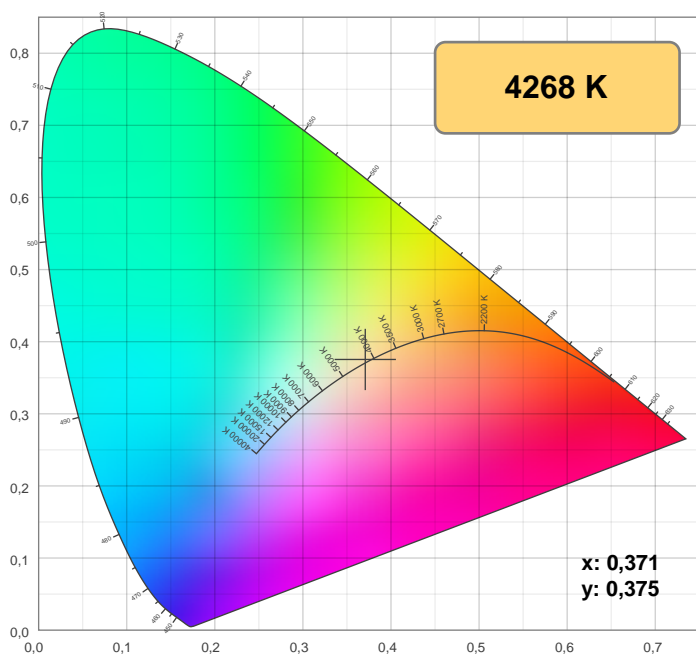


Power



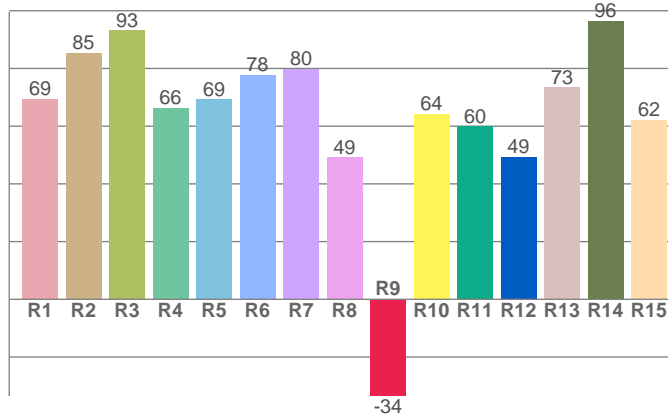
Voltage: 110 V
Current: 0,083 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 73,7 (R1-R8)

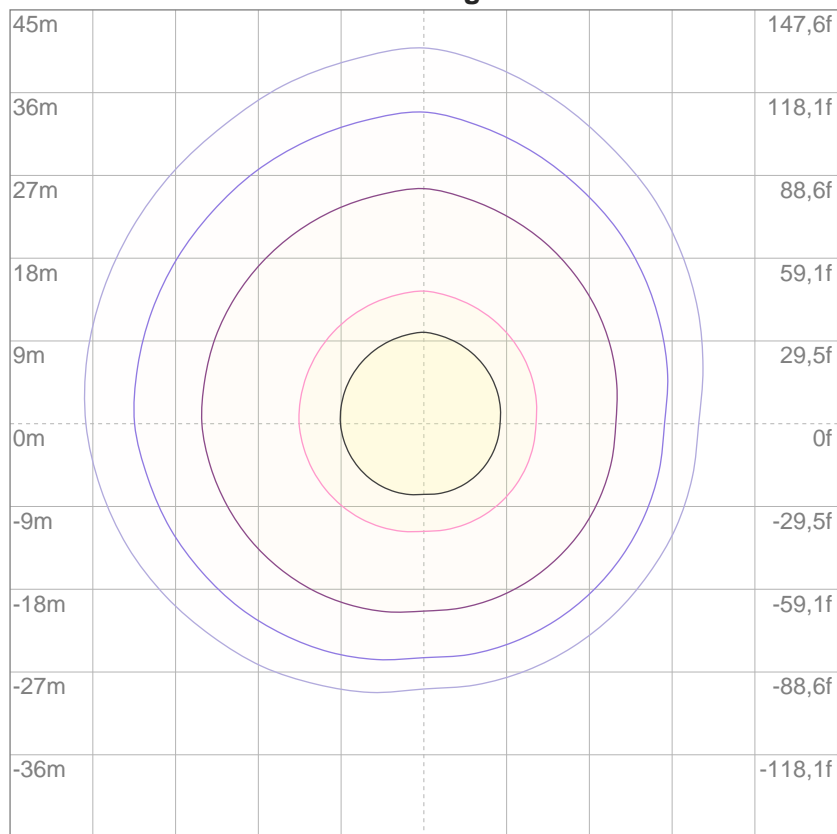


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
69,3	85,2	93,1	66,3	69,2	77,7	79,8	49,1	-33,5	64,1	59,9	49,3	73,4	96,4	62,0

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	90,3m lx
5%	0,151 lx
10%	0,301 lx
30%	0,903 lx
50%	1,51 lx

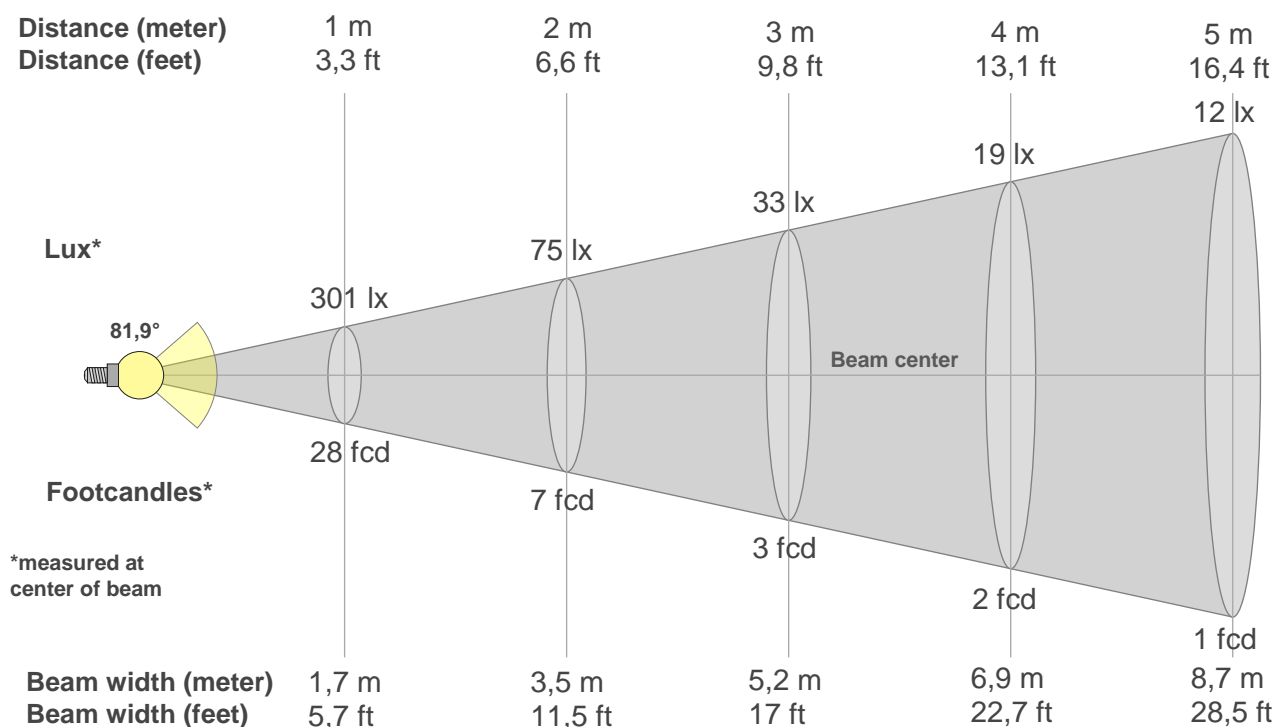
Conditions:

Number of c-planes: 4

Lux at center: 3,01 lx

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

Beam details



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
301lx	75lx	33lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
28fcd	7fcd	3,1fcd	1,7fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	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°
301	300	293	281	265	244	219	192	163	135	108	83	60	40	22	9	2	1	0	0
100%	100%	97%	93%	88%	81%	73%	64%	54%	45%	36%	28%	20%	13%	7%	3%	1%	0%	0%	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°
301	294	283	267	246	220	192	164	137	112	88	66	45	26	11	2	1	0	0	0
100%	98%	94%	89%	82%	73%	64%	55%	46%	37%	29%	22%	15%	9%	4%	1%	0%	0%	0%	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°
301	299	290	277	258	235	208	178	148	120	94	69	47	28	13	3	1	0	0	0
100%	99%	96%	92%	86%	78%	69%	59%	49%	40%	31%	23%	16%	9%	4%	1%	0%	0%	0%	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°
301	303	301	292	277	258	236	209	180	150	120	92	66	44	25	12	4	1	0	0
100%	101%	100%	97%	92%	86%	78%	69%	60%	50%	40%	30%	22%	15%	8%	4%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
81,9°	132,2°	148,2°	92,0%	70,7%

TM30 details

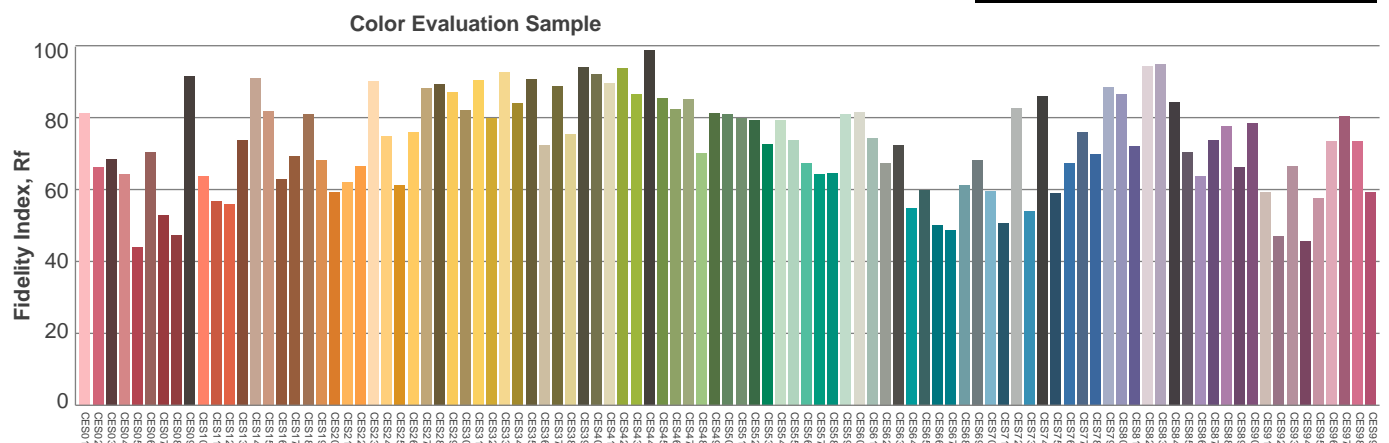
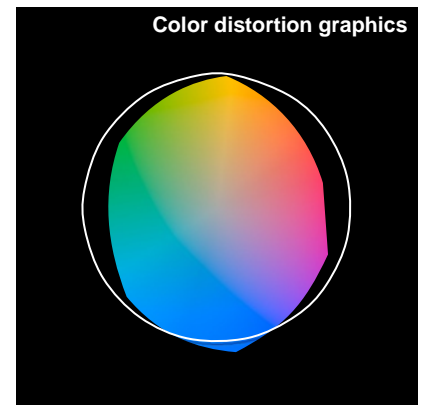
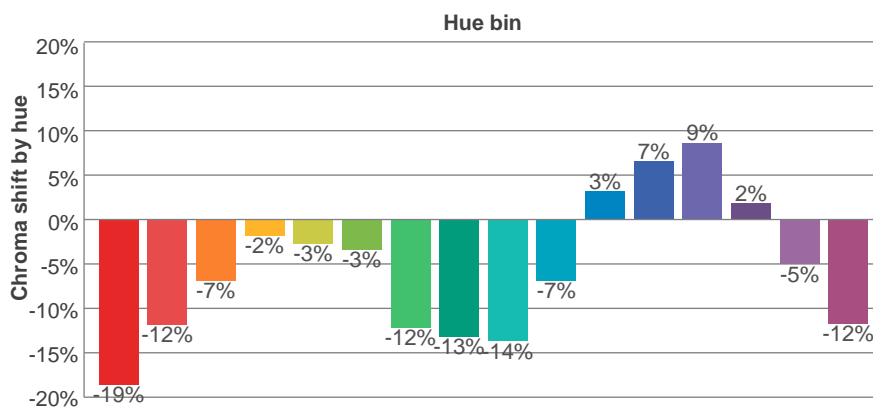
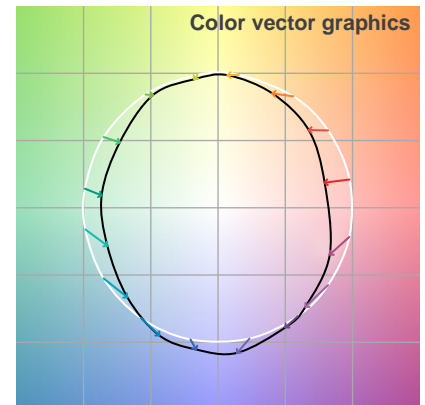
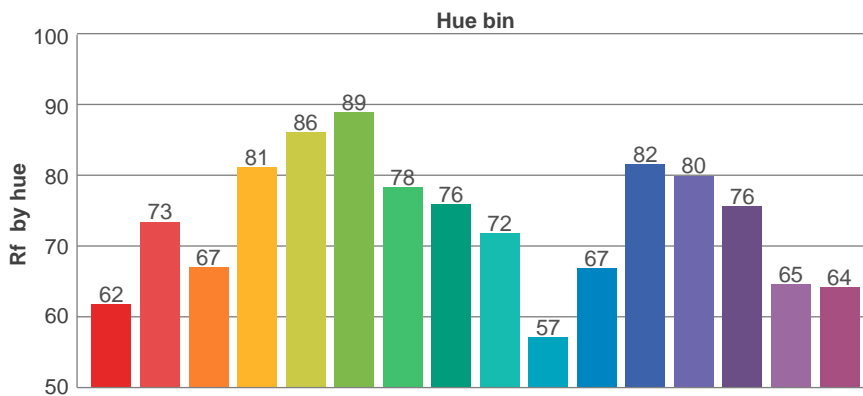
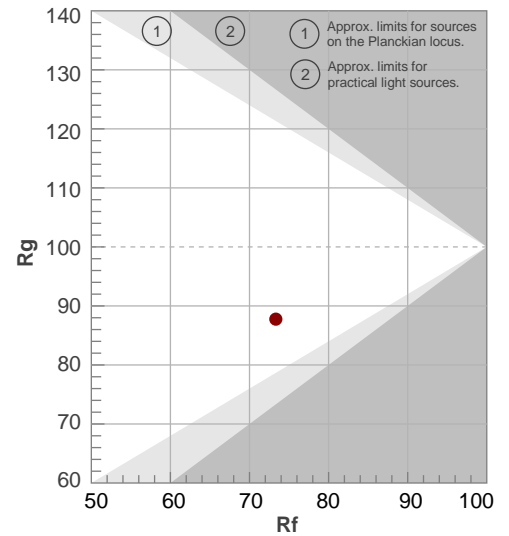
Rf 73,3

Fidelity index Rf

Rg 87,8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	62	-19%	1%
2	73	-12%	8%
3	67	-7%	14%
4	81	-2%	8%
5	86	-3%	3%
6	89	-3%	-4%
7	78	-12%	-3%
8	76	-13%	2%
9	72	-14%	15%
10	57	-7%	21%
11	67	3%	19%
12	82	7%	6%
13	80	9%	-11%
14	76	2%	-12%
15	65	-5%	-23%
16	64	-12%	-16%



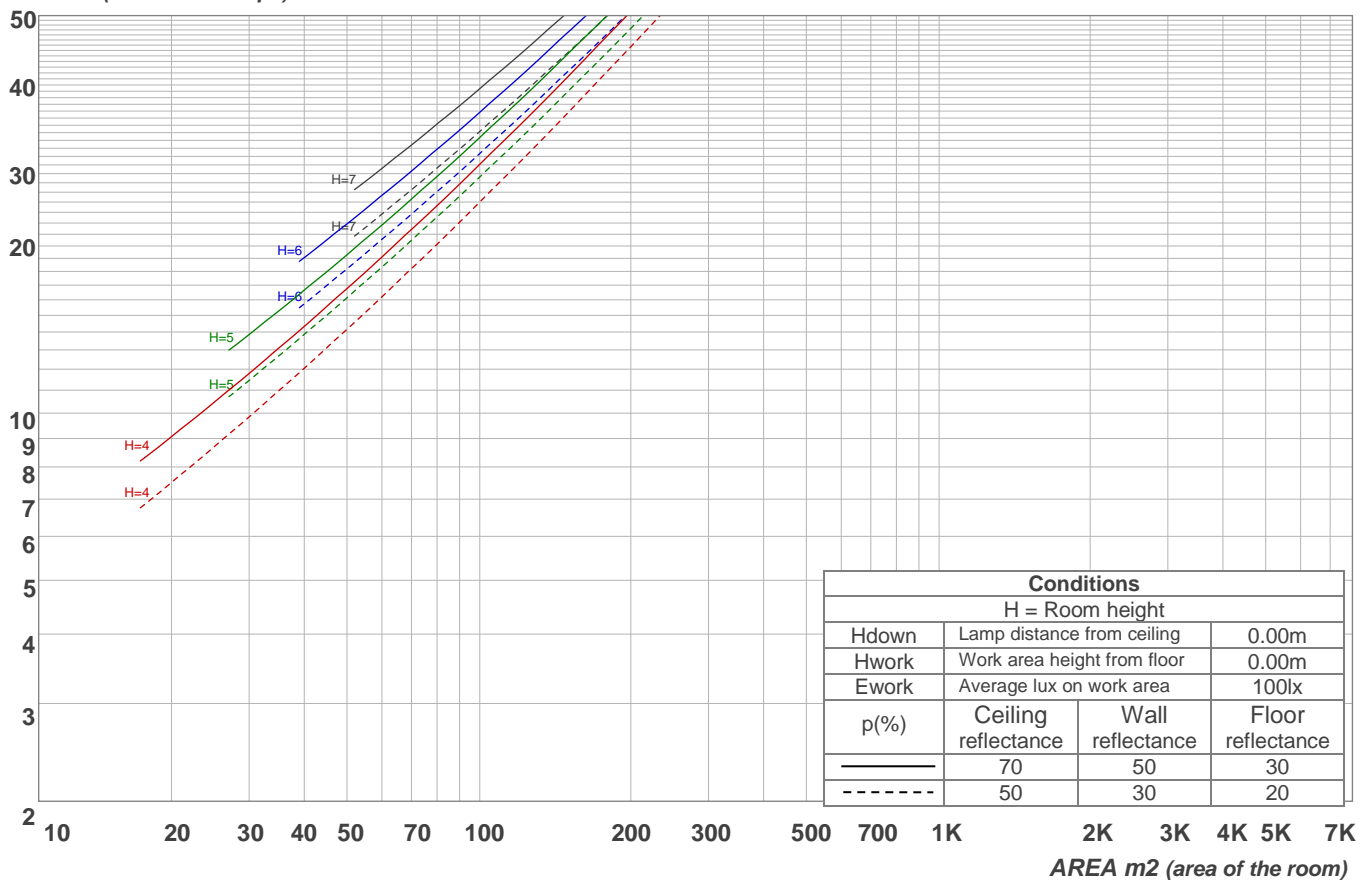
Light planning

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	62	57	66	60	56	64	59	56	54
6	77	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48
7	71	59	52	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	39	35	46	39	35	45	39	35	44	38	34	33

LAMPS (number of lamps)

Luminaire budgetary diagram

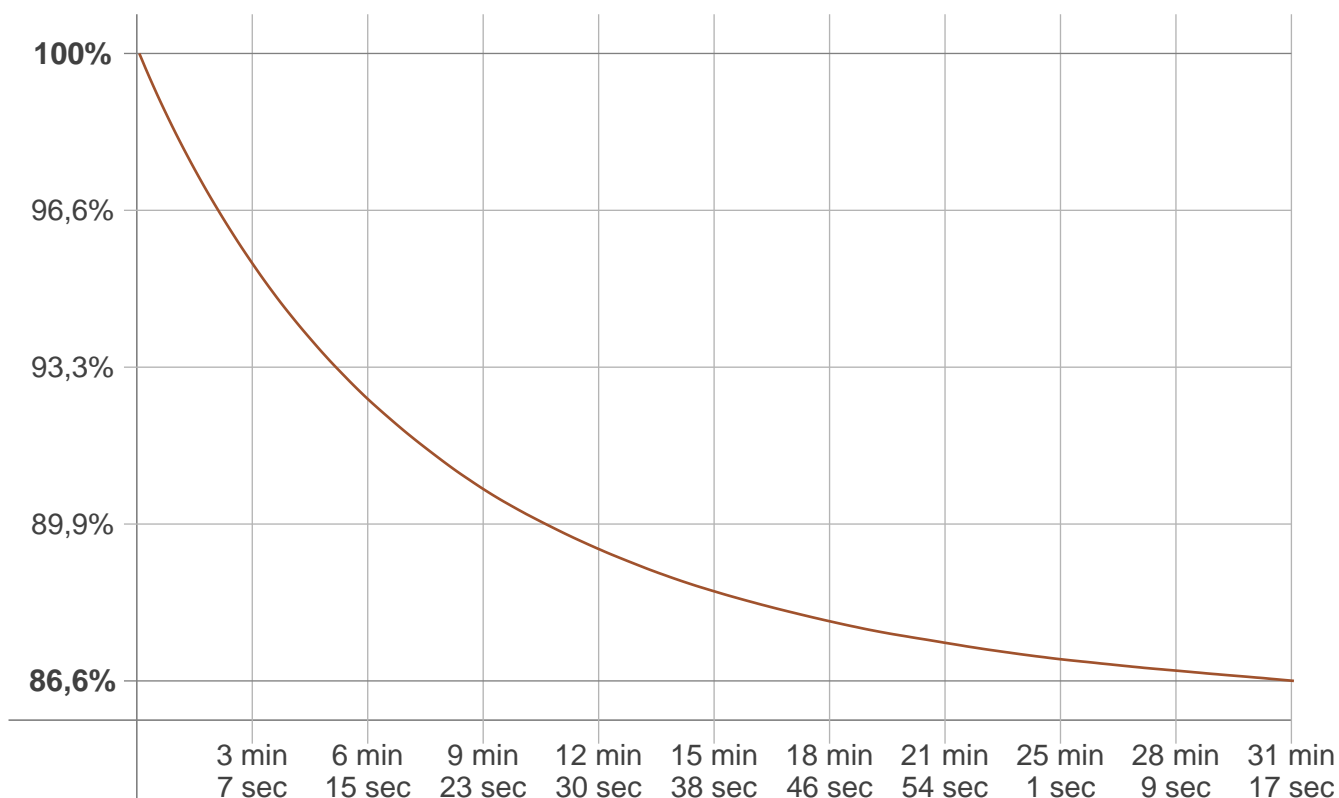


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
28,3 lm	78,4 lm	110 lm	116 lm	99,5 lm	69,4 lm	34,5 lm	8,12 lm	0,983 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,028 lm	0,026 lm	0,027 lm	0,031 lm	0,037 lm	0,040 lm	0,034 lm	0,018 lm	0,003 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	31 min 21 sec
Warmup variation	-13,6%

Warmup conditions

Stable period:	15 min
Stable change max:	2,0%
Minimum time:	15 min

Color temperature change

CCT start	CCT change	CCT end
4107 K	+161 K	4268 K

Output change

Output start	Output change	Output end
629 lm	-83 lm	545 lm