

Light efficiency:

94 Lumen/Watt

Light quality:

CRI: 85,0

Color temperature:

5195 K

Output: 509 lm

Peak: 281 cd

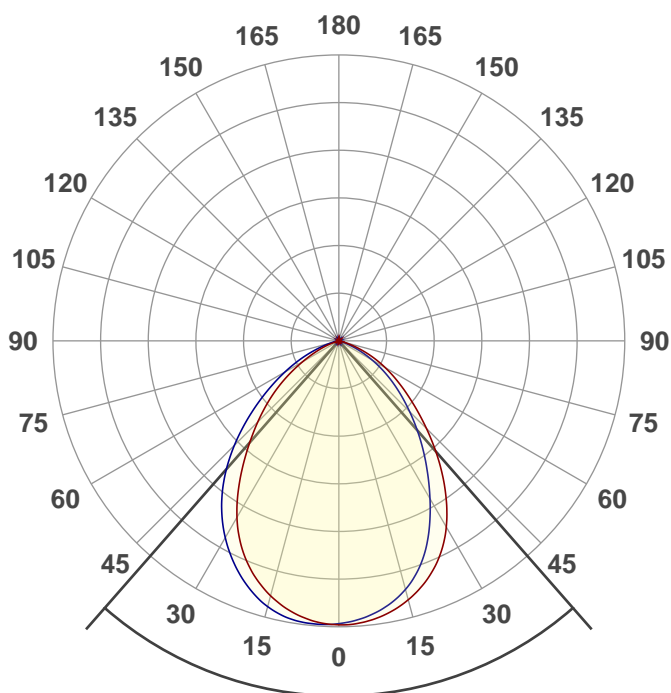
Power: 5,4 W

PF: 0,66



Product name:

E0209-8113A-1-BLED6W-GU10-5K-AM



Beam angle

82,5°



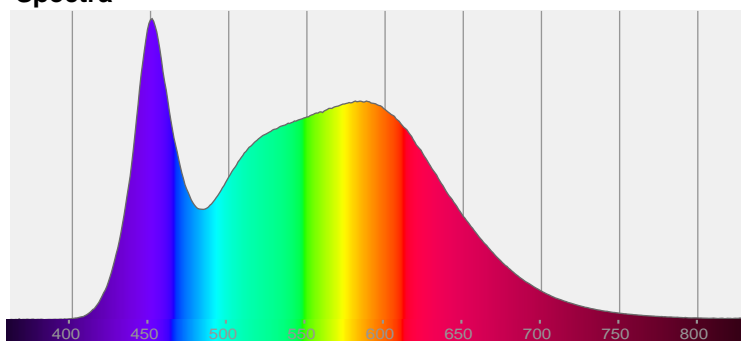
CIE 1931
x: 0,340
y: 0,351

THD Values:

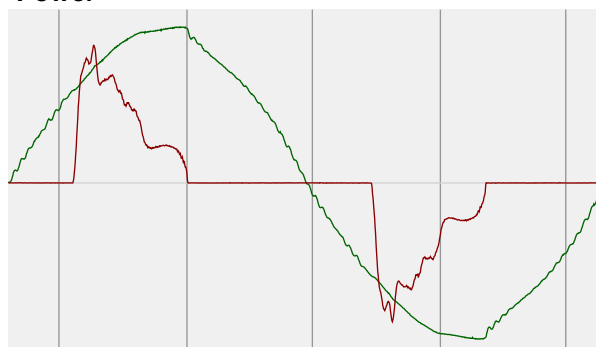
Voltage: 2,69%

Current: 89,45%

Spectra

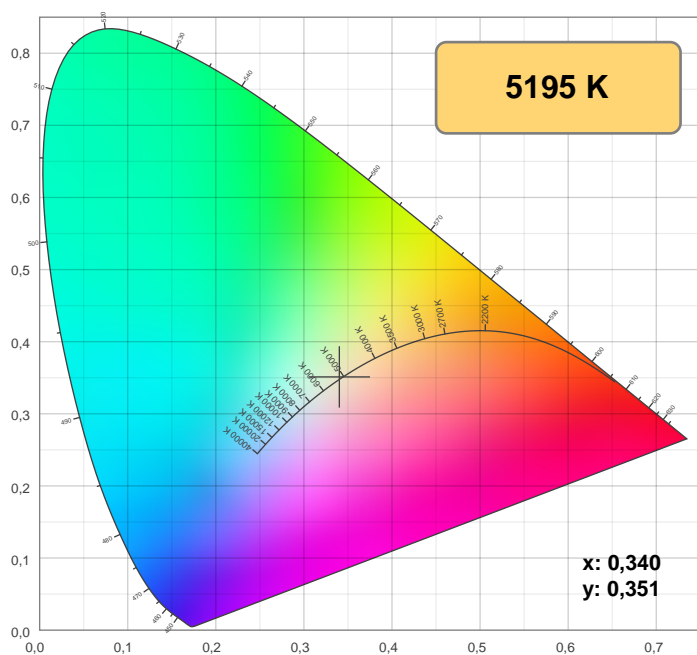


Power



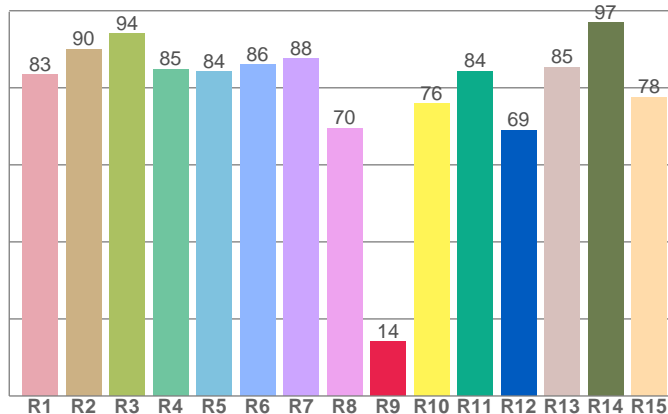
Voltage: 111 V
Current: 0,074 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 85,0 (R1-R8)

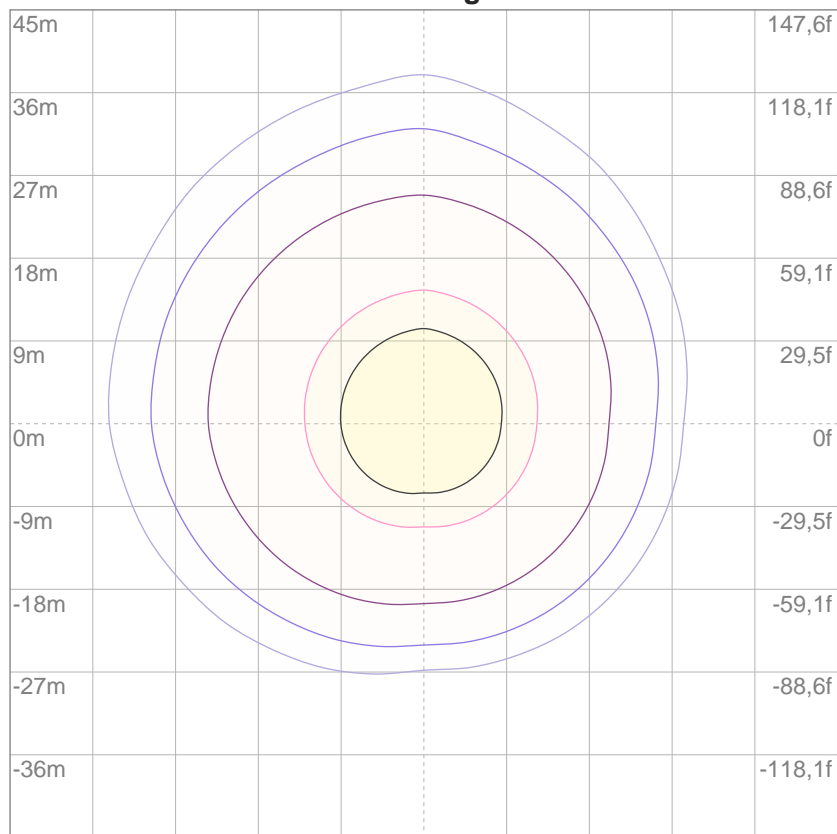


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
83,4	90,0	94,0	84,8	84,2	85,9	87,6	69,6	14,1	75,9	84,3	69,0	85,3	96,9	77,6

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	84,1m lx
5%	0,140 lx
10%	0,280 lx
30%	0,841 lx
50%	1,40 lx

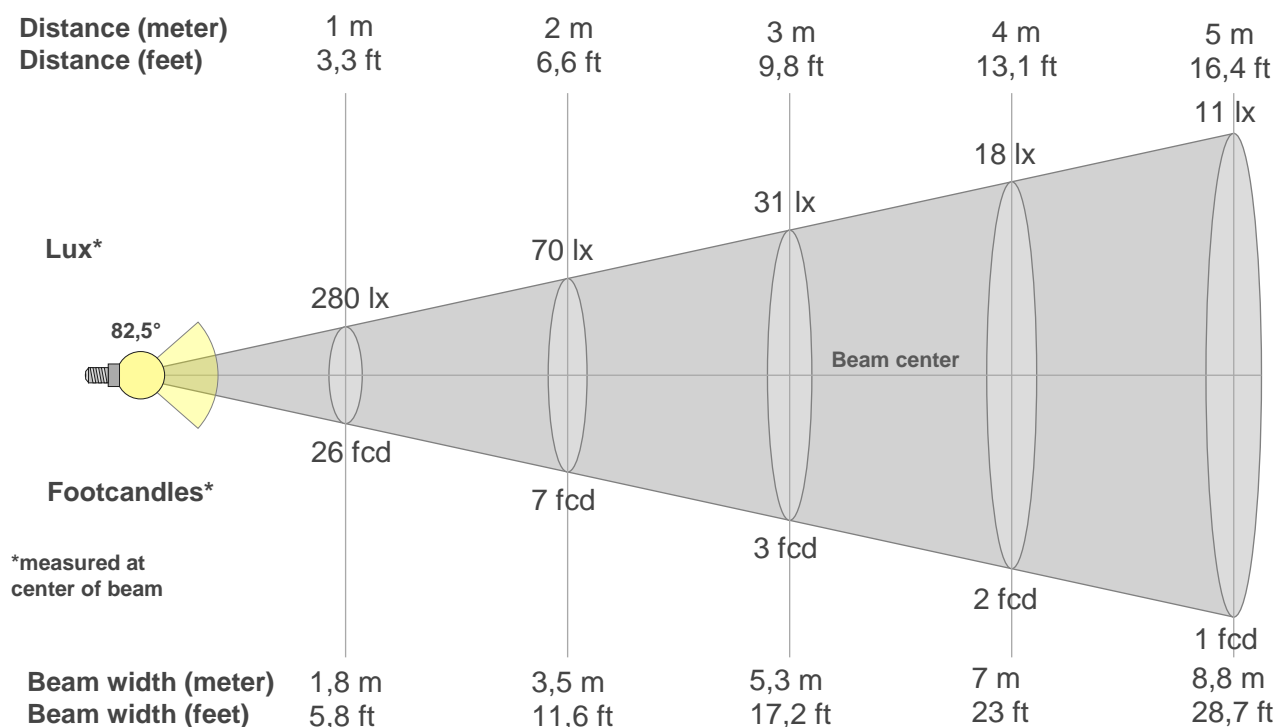
Conditions:

Number of c-planes: 4

Lux at center: 2,80 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
280lx	70lx	31lx	18lx	11lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
26fcd	6,5fcd	2,9fcd	1,6fcd	1fcd	0,7fcd	0,5fcd	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°
280	279	274	265	253	235	213	184	153	123	95	72	53	35	18	6	2	1	0	0
100%	100%	98%	95%	90%	84%	76%	66%	55%	44%	34%	26%	19%	12%	6%	2%	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°
280	275	267	255	236	210	180	151	124	99	77	57	38	21	8	2	1	0	0	0
100%	98%	95%	91%	84%	75%	64%	54%	44%	35%	27%	20%	14%	8%	3%	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°
280	279	272	261	246	227	202	172	141	113	88	64	42	24	10	2	1	0	0	0
100%	99%	97%	93%	88%	81%	72%	61%	50%	40%	32%	23%	15%	8%	3%	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°
280	281	279	272	260	244	225	202	176	146	115	87	62	40	22	9	4	1	0	0
100%	100%	100%	97%	93%	87%	80%	72%	63%	52%	41%	31%	22%	14%	8%	3%	2%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
82,5°	130,7°	145,9°	92,7%	71,9%

TM30 details

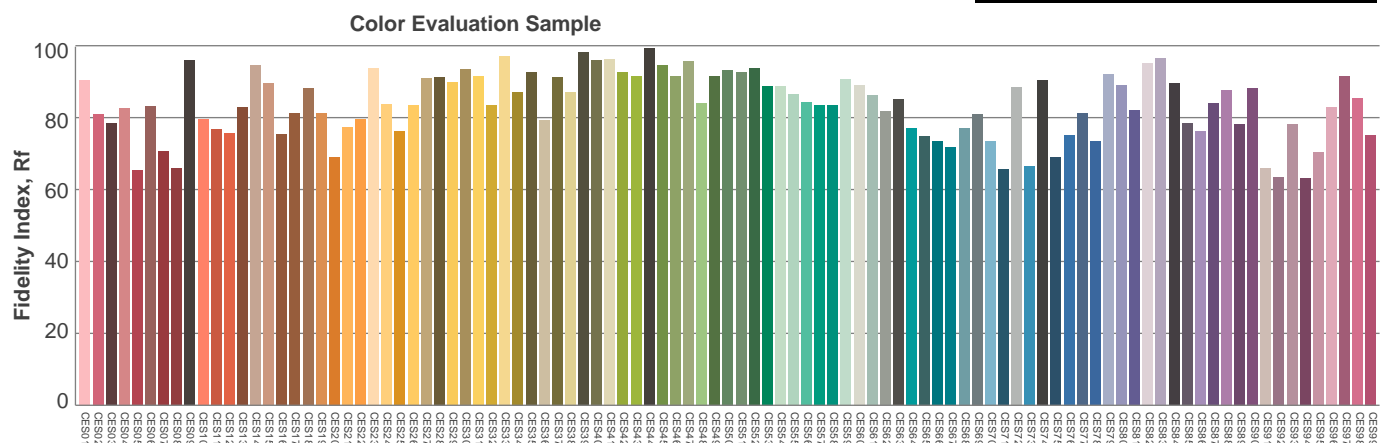
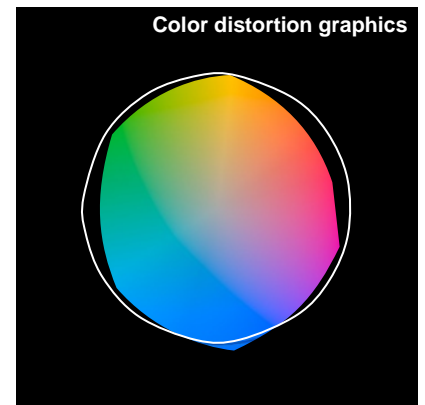
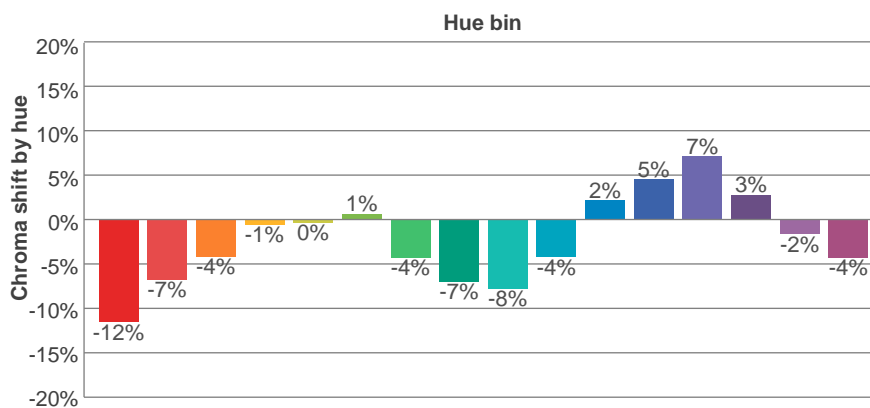
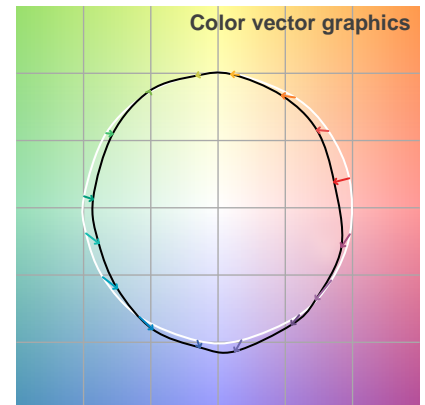
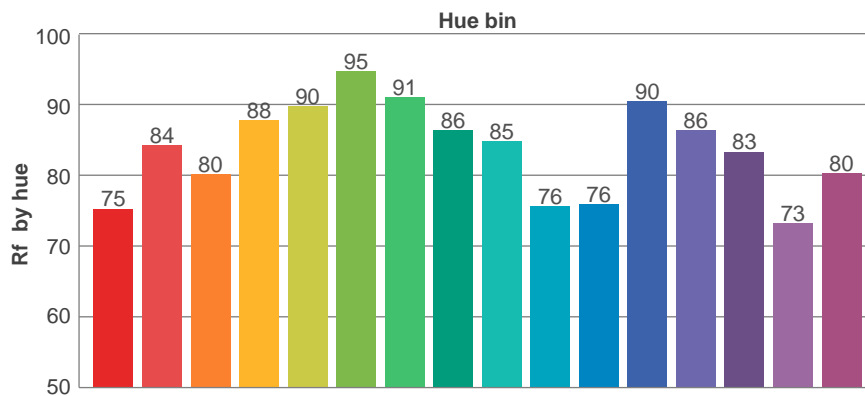
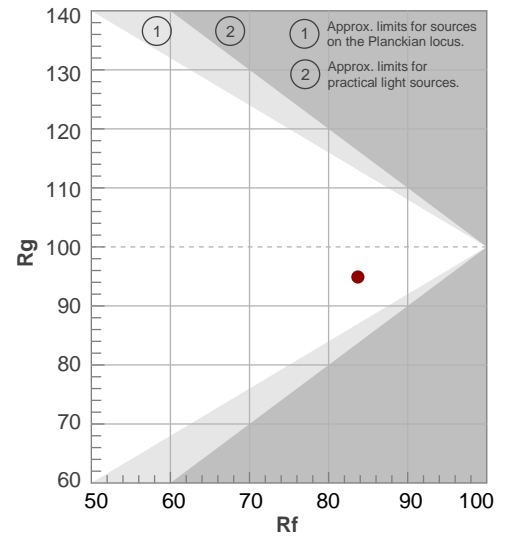
Rf 83,7

Fidelity index Rf

Rg 94,9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	-12%	-1%
2	84	-7%	5%
3	80	-4%	9%
4	88	-1%	6%
5	90	0%	3%
6	95	1%	-1%
7	91	-4%	-2%
8	86	-7%	1%
9	85	-8%	9%
10	76	-4%	13%
11	76	2%	13%
12	90	5%	3%
13	86	7%	-6%
14	83	3%	-8%
15	73	-2%	-18%
16	80	-4%	-10%



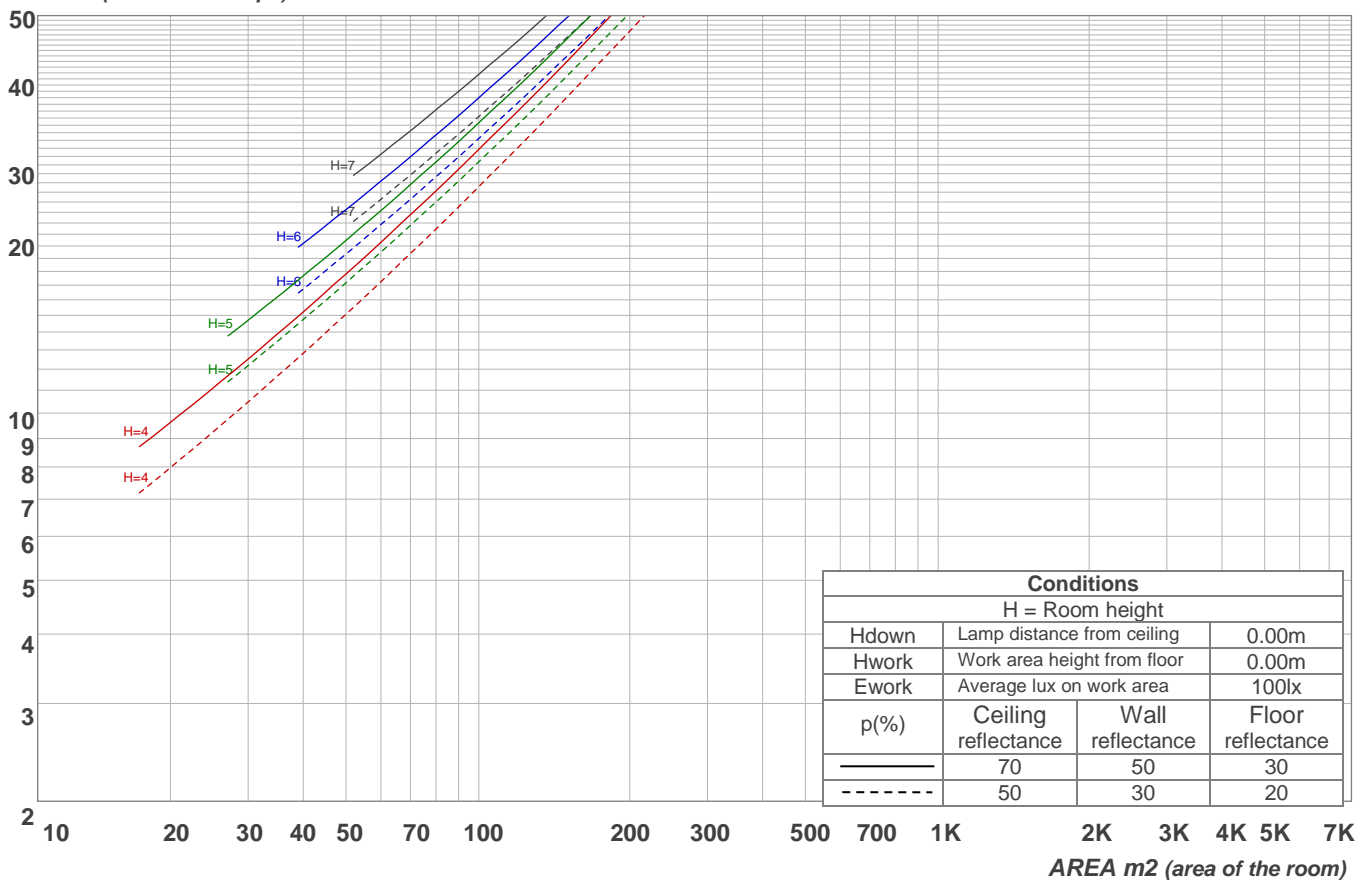
Light planning

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	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	80	75	94	86	79	74	83	78	73	80	76	72	78	74	71	69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61
5	83	72	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33

LAMPS (number of lamps)

Luminaire budgetary diagram

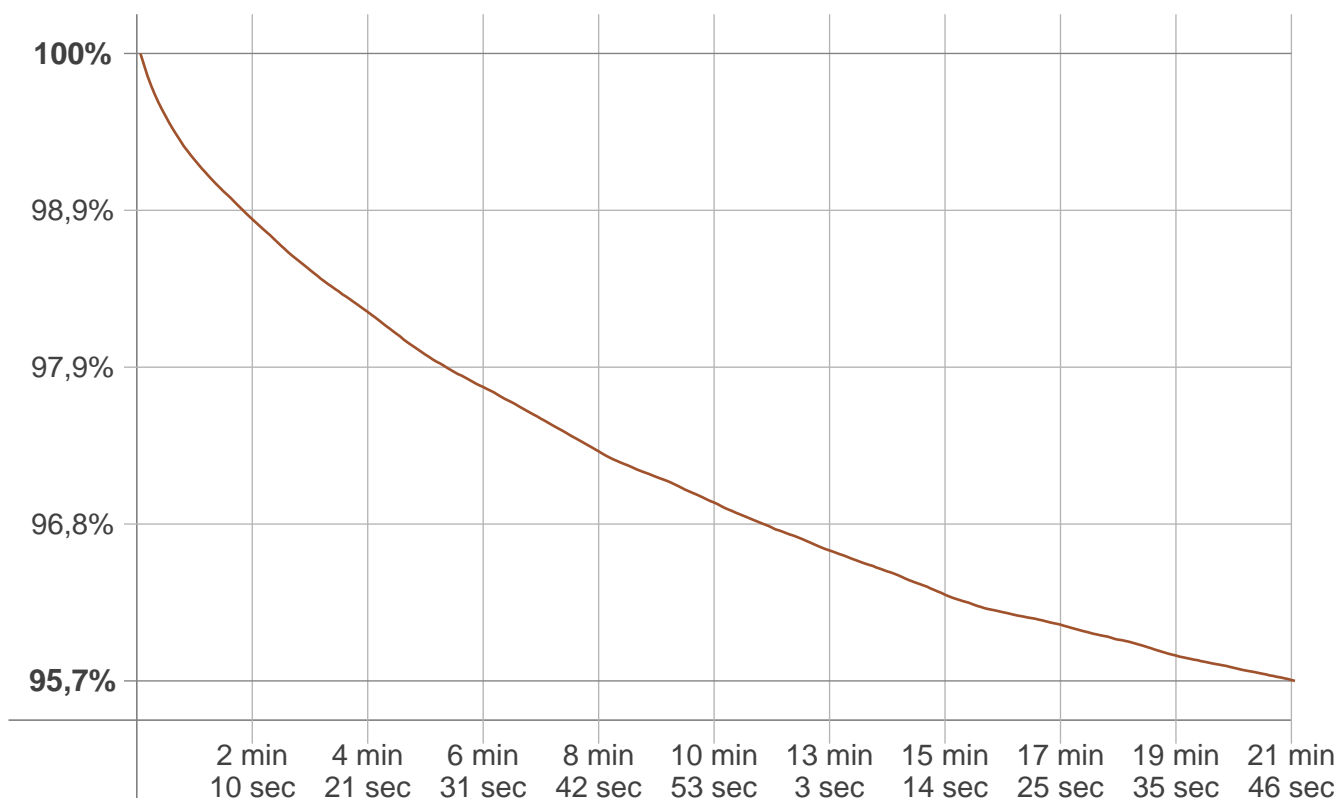


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
26,4 lm	74,0 lm	105 lm	111 lm	92,8 lm	62,8 lm	29,9 lm	6,20 lm	0,902 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,018 lm	0,017 lm	0,020 lm	0,027 lm	0,032 lm	0,037 lm	0,030 lm	0,015 lm	0,003 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	21 min 50 sec
Warmup variation	-4,4%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5134 K	+61 K	5195 K

Output change

Output start	Output change	Output end
530 lm	-22 lm	509 lm