

Light efficiency:

92 Lumen/Watt

Light quality:

CRI: 85,0

Color temperature:

5218 K

Output: 1044 lm

Peak: 282 cd

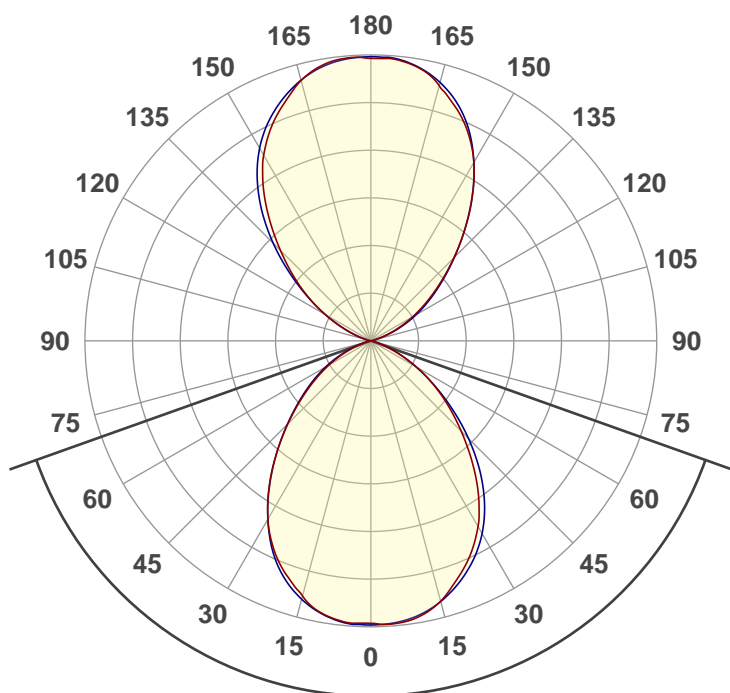
Power: 11,3 W

PF: 0,67



Product name:

E0212-8112A-1-BLED6W-GU10-5K-AM



Beam angle

140,8°



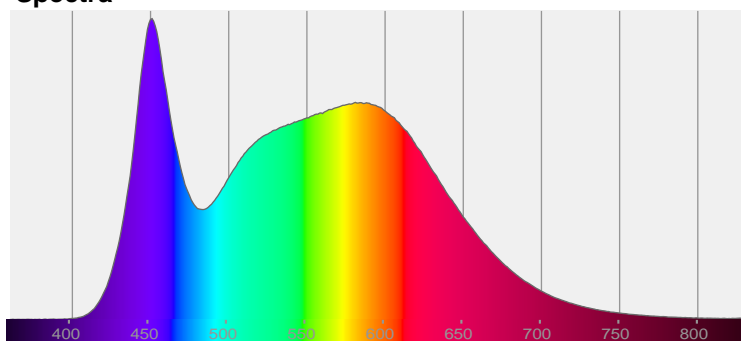
CIE 1931  
x: 0,340  
y: 0,350

THD Values:

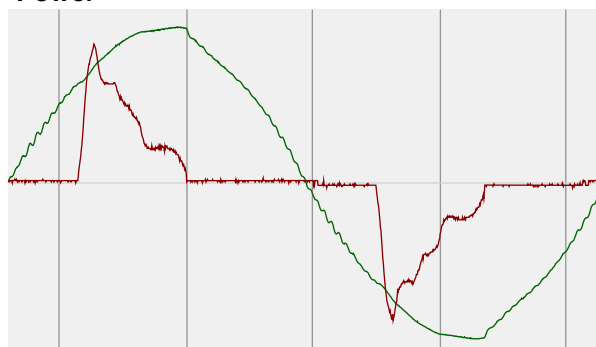
Voltage: 2,62%

Current: 91,31%

Spectra

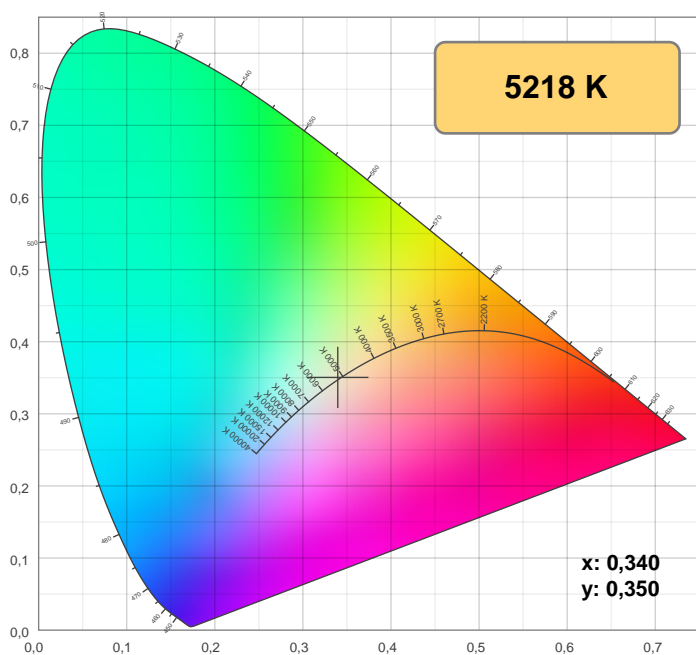


Power



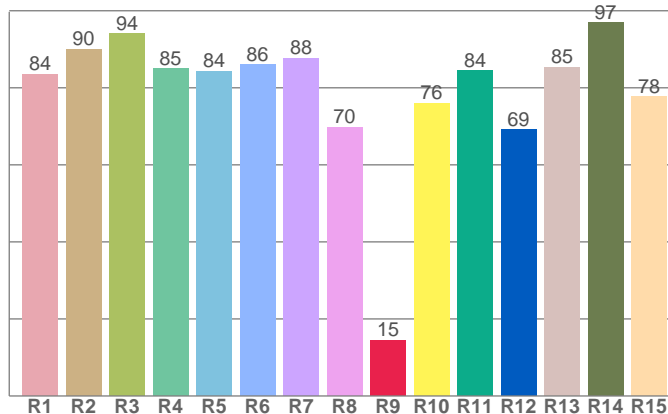
Voltage: 117 V  
Current: 0,144 A  
Frequency: 59,9 Hz

## Color details



CIE 1931

CRI: 85,0 (R1-R8)

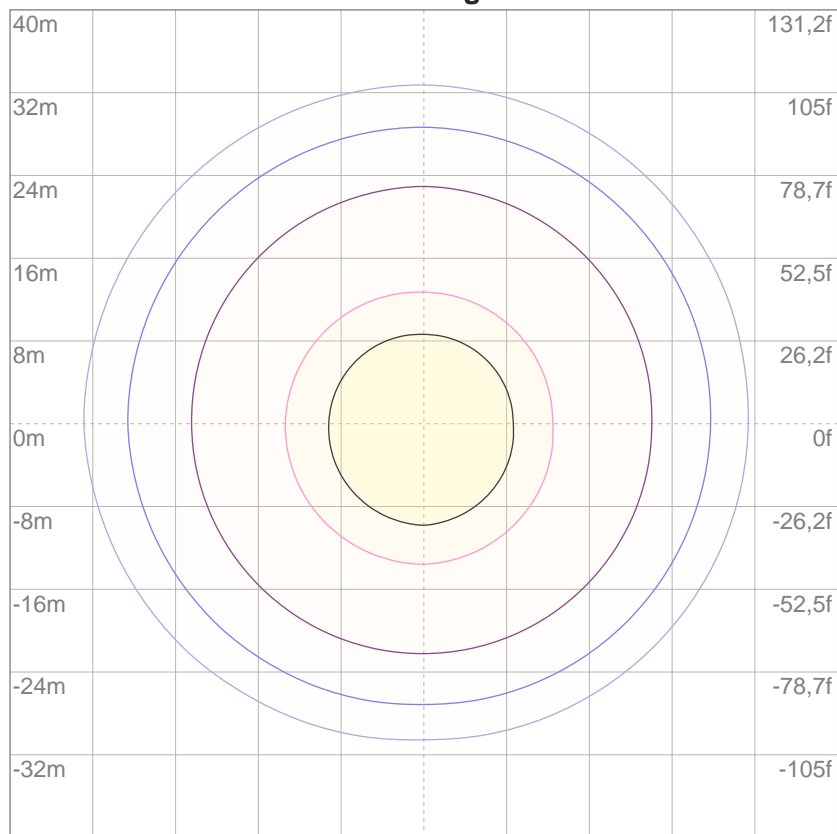


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
83,5	90,1	94,0	84,9	84,3	86,0	87,7	69,8	14,5	75,9	84,4	69,1	85,4	96,9	77,7

## ISO Diagrams

ISO lux diagram



3%	84,2m lx
5%	0,140 lx
10%	0,281 lx
30%	0,842 lx
50%	1,40 lx

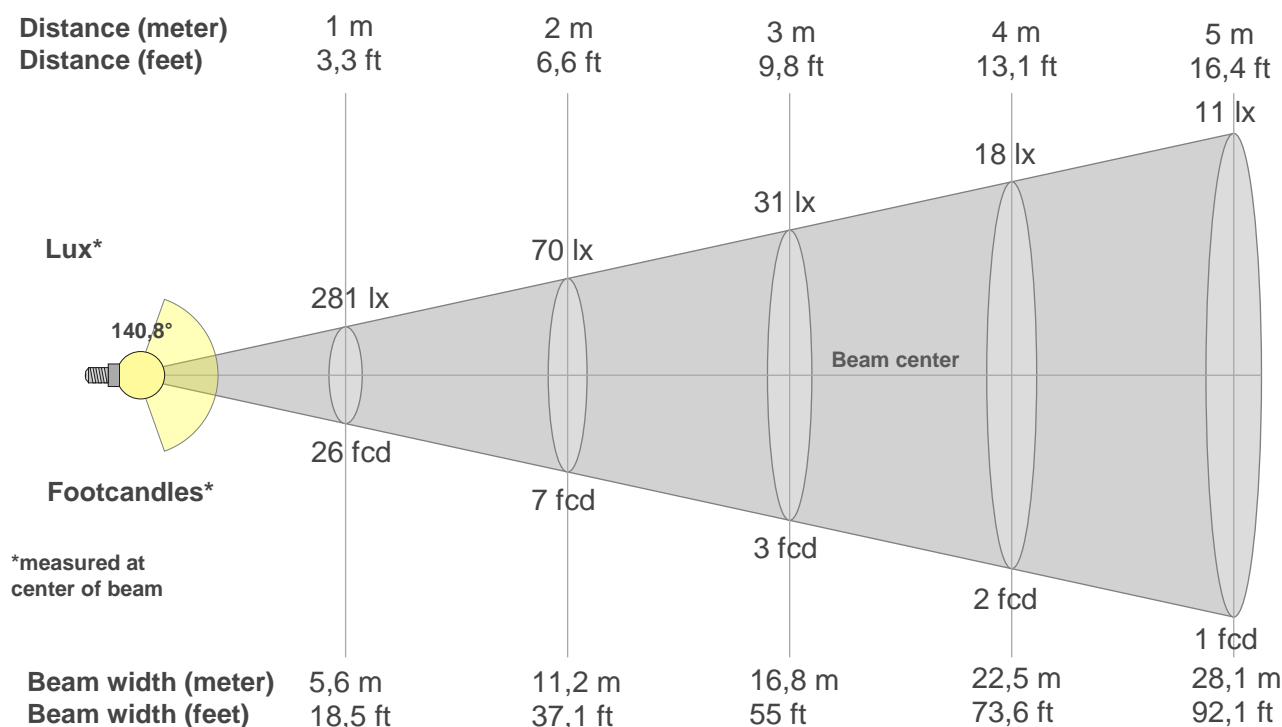
### Conditions:

Number of c-planes: 4

Lux at center: 2,81 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
281lx	70lx	31lx	18lx	11lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
26,1fcd	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°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
281	279	258	226	180	127	81	39	11	1	0	1	9	37	72	116	170	219	252	276
100%	99%	92%	80%	64%	45%	29%	14%	4%	0%	0%	0%	3%	13%	26%	41%	60%	78%	90%	98%

### Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
281	277	261	233	191	137	82	39	8	1	0	2	11	41	75	117	169	220	257	277
100%	99%	93%	83%	68%	49%	29%	14%	3%	0%	0%	1%	4%	14%	27%	42%	60%	78%	91%	99%

### Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
281	276	252	219	170	116	72	37	9	1	0	1	11	39	81	127	180	226	258	279
100%	98%	90%	78%	60%	41%	26%	13%	3%	0%	0%	0%	4%	14%	29%	45%	64%	80%	92%	99%

### Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
281	277	257	220	169	117	75	41	11	2	0	1	8	39	82	137	191	233	261	277
100%	99%	91%	78%	60%	42%	27%	14%	4%	1%	0%	0%	3%	14%	29%	49%	68%	83%	93%	99%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
140,8°	360°	360°	46,3%	35,8%

## TM30 details

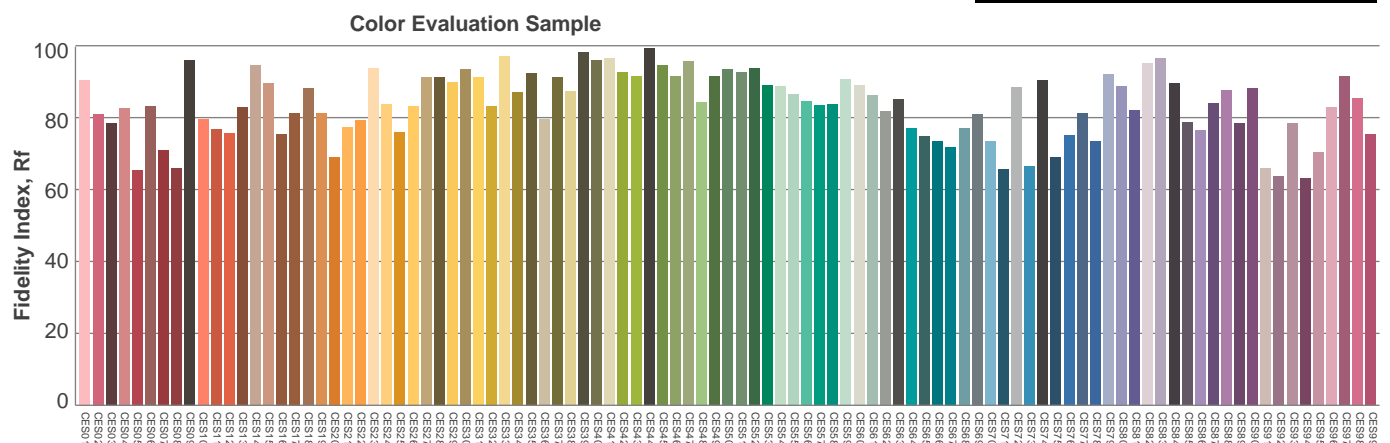
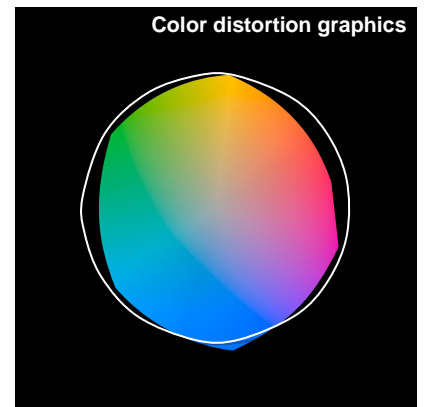
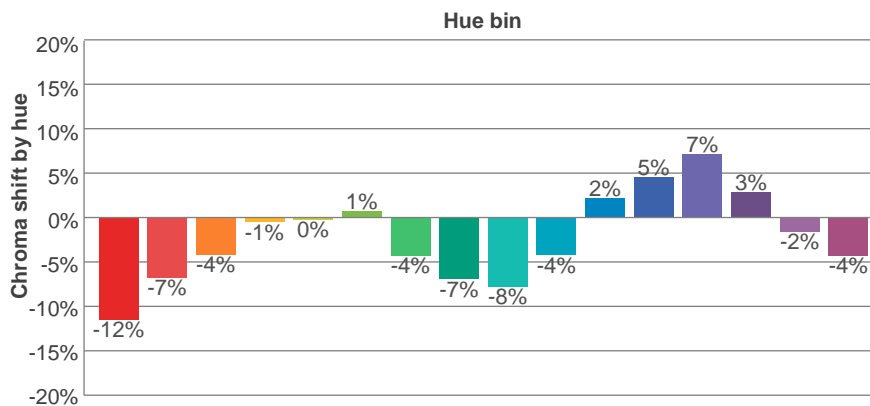
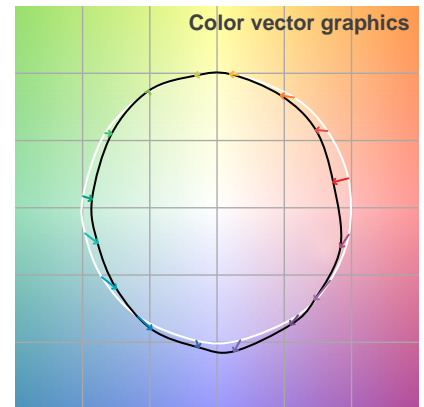
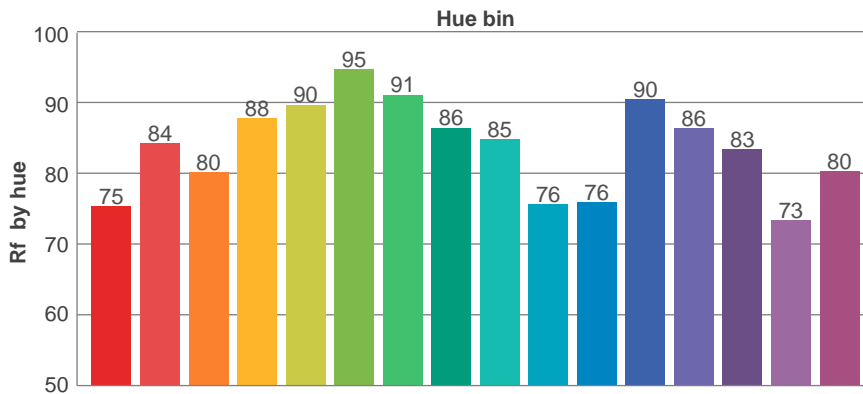
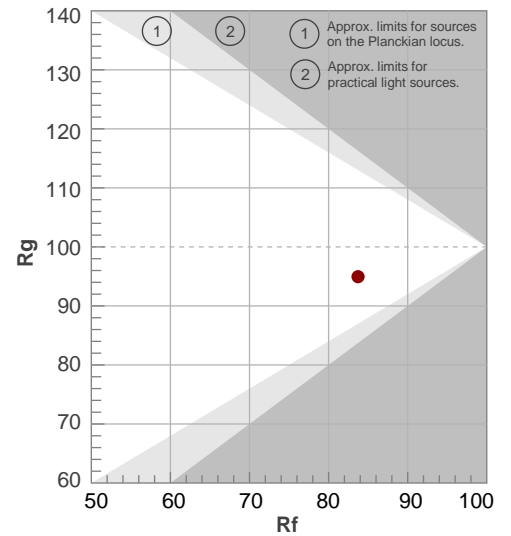
**Rf 83,7**

Fidelity index Rf

**Rg 95,0**

Gammut index Rg

Hue Bin	R <sub>f</sub>	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%



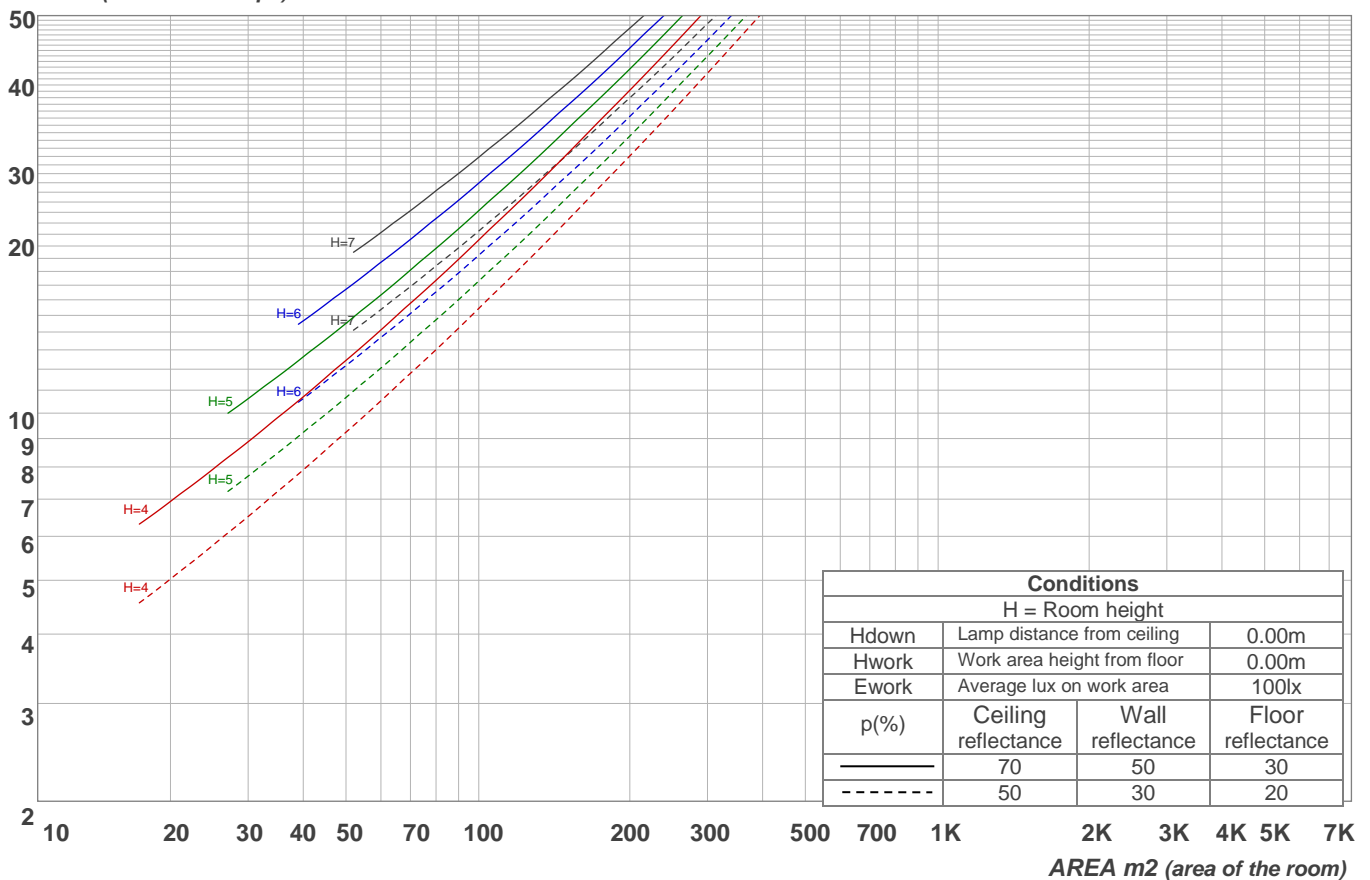
# Light planning

## 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	99	95	92	89	91	88	85	83	75	73	71	63	61	60	51	51	50	45
2	91	84	79	74	84	78	74	70	67	63	61	56	54	52	47	45	44	39
3	84	75	68	63	77	70	64	59	60	56	52	51	48	45	42	40	38	34
4	77	67	60	54	71	63	56	51	54	49	45	46	42	39	38	36	34	30
5	71	60	53	47	66	56	50	45	49	44	40	42	38	35	35	32	30	27
6	66	54	47	41	61	51	44	39	44	39	35	38	34	31	32	29	27	24
7	61	49	42	37	56	46	40	35	40	35	31	35	31	28	30	27	24	22
8	57	45	38	33	53	42	36	31	37	32	28	32	28	25	27	24	22	20
9	53	41	34	29	49	39	32	28	34	29	25	30	26	23	25	22	20	18
10	50	38	31	27	46	36	30	25	31	26	23	27	23	21	24	21	18	16

LAMPS (number of lamps)

## Luminaire budgetary diagram

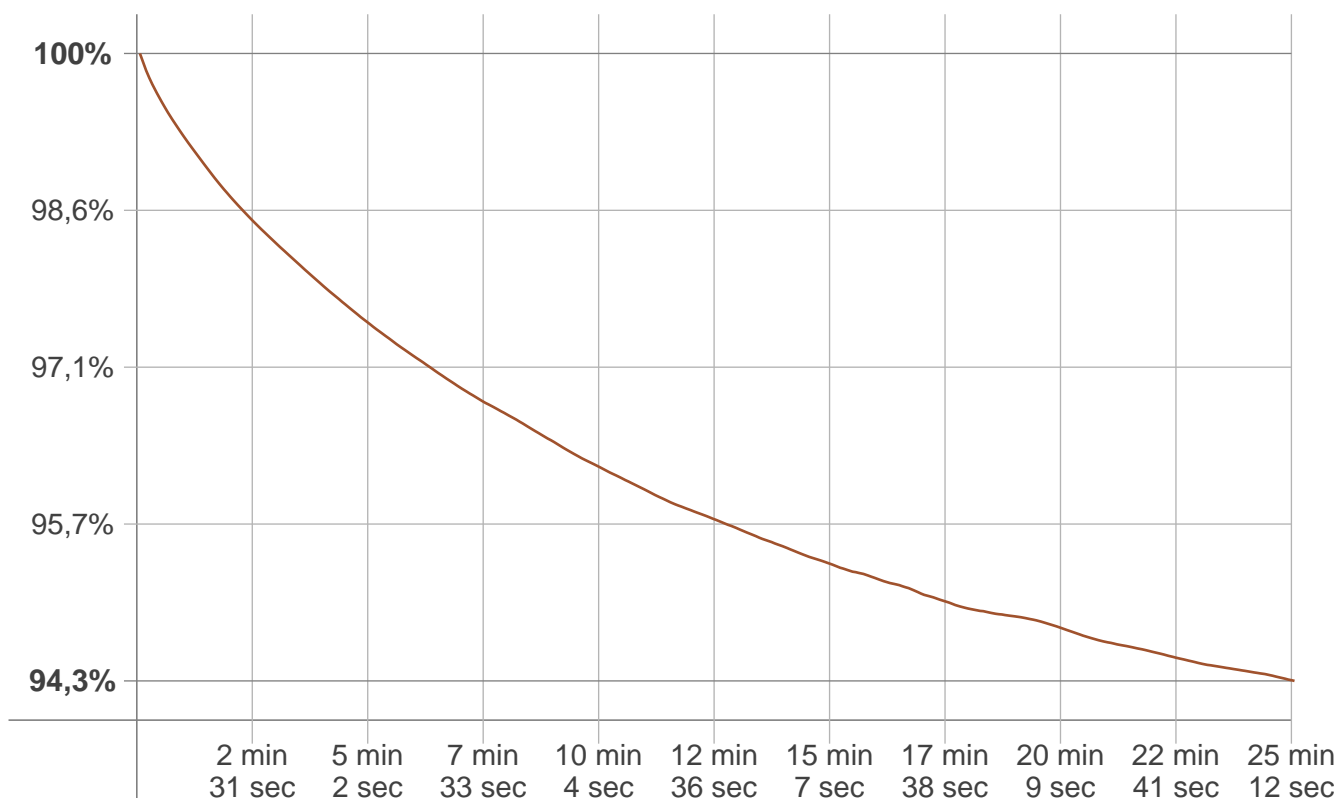


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
26,6 lm	74,6 lm	107 lm	114 lm	95,9 lm	65,4 lm	31,5 lm	5,91 lm	0,800 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,800 lm	5,91 lm	31,5 lm	65,4 lm	95,9 lm	114 lm	107 lm	74,6 lm	26,6 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	25 min 16 sec
Warmup variation	-5,8%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5136 K	+82 K	5218 K

Output change

Output start	Output change	Output end
1104 lm	-60 lm	1044 lm