

Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 89,4

Color temperature:

4779 K

Output: 1483 lm

Peak: 420 cd

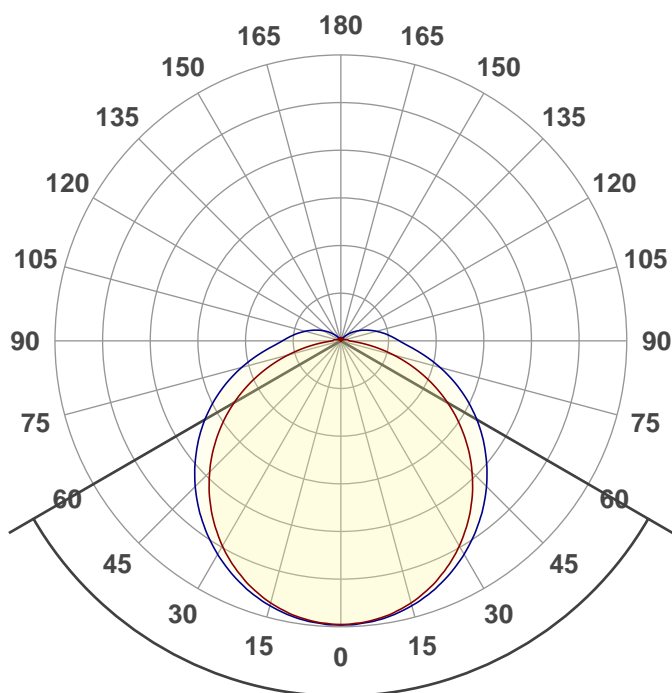
Power: 27,8 W

PF: 1,0



Product name:

E0283-V17-L25-4K



Beam angle

119,9°



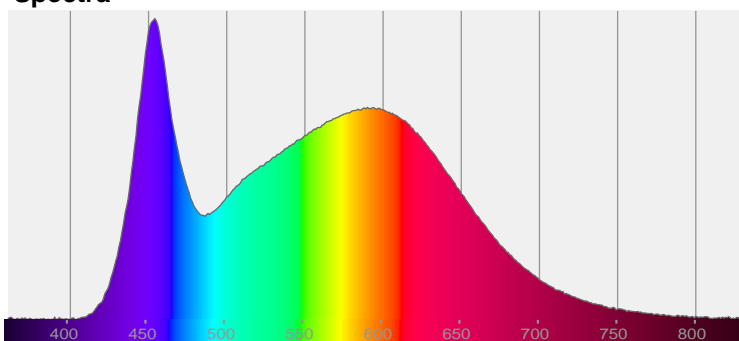
CIE 1931  
x: 0,350  
y: 0,340

THD Values:

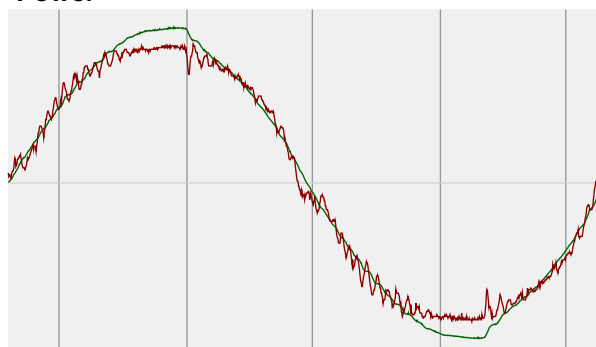
Voltage: 2,19%

Current: 8,31%

Spectra

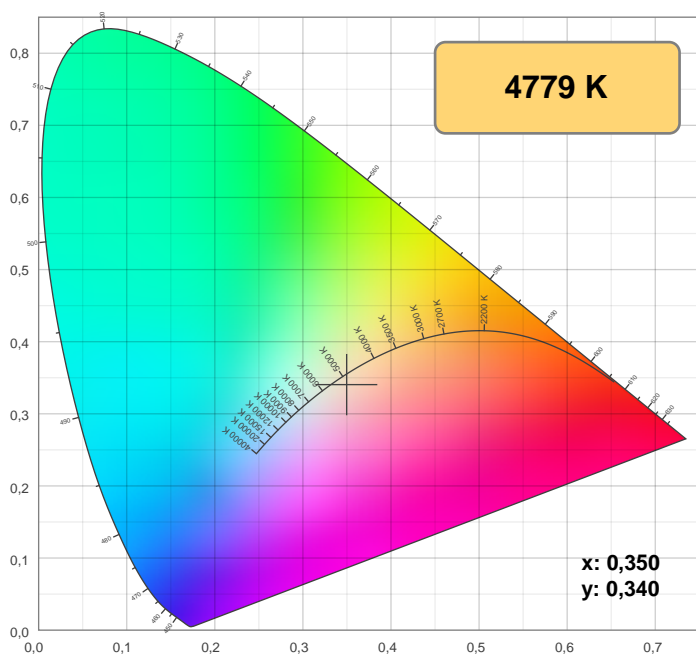


Power



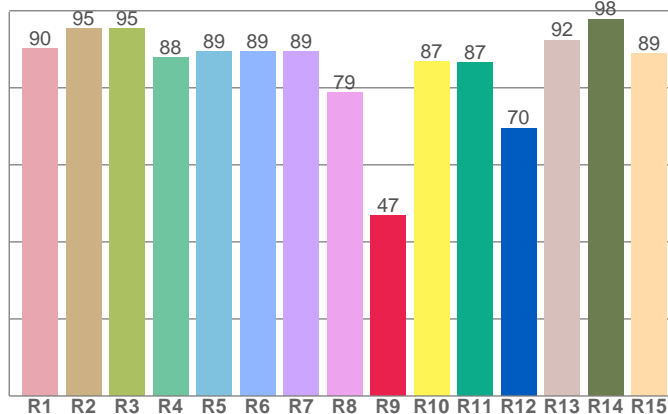
Voltage: 114 V  
Current: 0,245 A  
Frequency: 59,9 Hz

## Color details



CIE 1931

CRI: 89,4 (R1-R8)

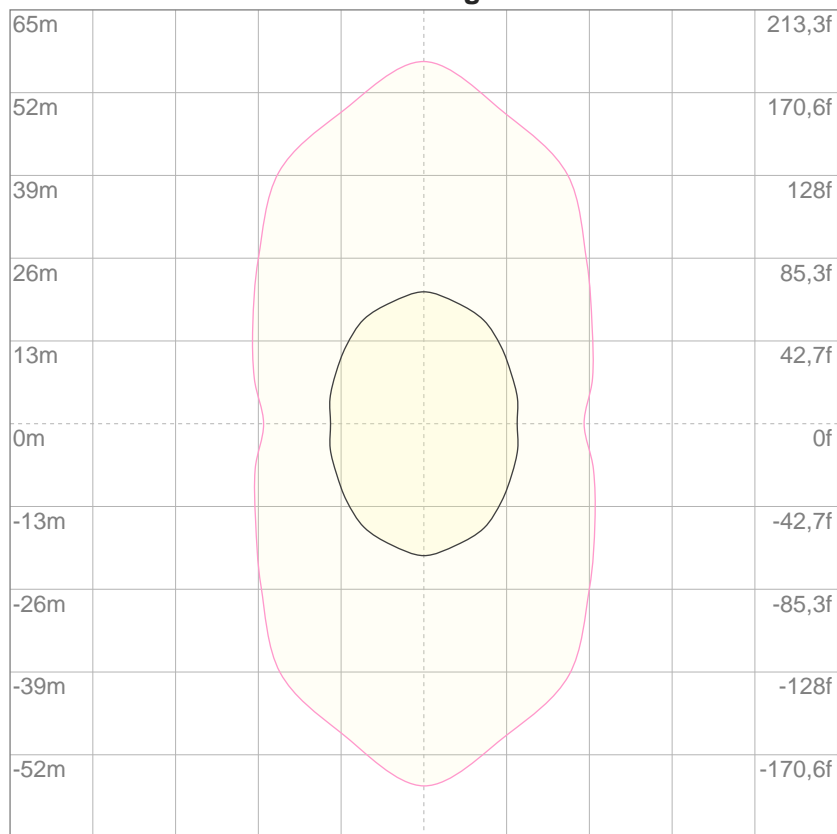


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
90,2	95,4	95,3	87,7	89,3	89,4	89,3	78,8	46,8	86,8	86,5	69,6	92,3	97,9	88,9

## ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

- 3% 0,126 lx
- 5% 0,210 lx
- 10% 0,419 lx
- 30% 1,26 lx
- 50% 2,10 lx

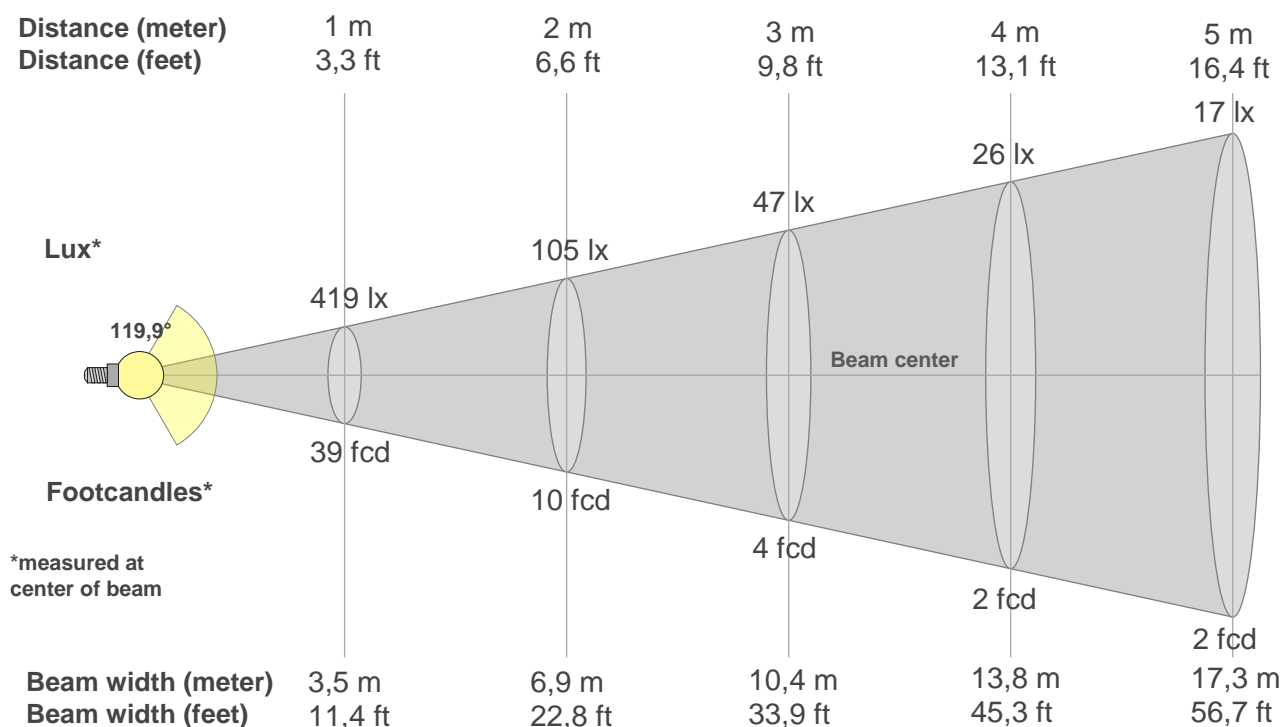
### Conditions:

Number of c-planes: 12

Lux at center: 4,19 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
419lx	105lx	47lx	26lx	17lx	12lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
39fcd	9,7fcd	4,3fcd	2,4fcd	1,6fcd	1,1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
419	413	393	363	322	274	220	162	101	44	13	10	6	5	4	3	3	2	3	3
100%	98%	94%	86%	77%	65%	53%	39%	24%	10%	3%	2%	1%	1%	1%	1%	1%	1%	1%	1%

### 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°
419	415	399	374	342	304	262	216	168	121	86	67	49	34	22	12	6	3	3	3
100%	99%	95%	89%	82%	73%	62%	52%	40%	29%	21%	16%	12%	8%	5%	3%	1%	1%	1%	1%

### 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°
419	413	393	363	322	274	220	162	101	44	13	10	6	5	4	3	3	2	3	3
100%	98%	94%	86%	77%	65%	53%	39%	24%	10%	3%	2%	1%	1%	1%	1%	1%	1%	1%	1%

### 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°
419	415	399	374	342	304	262	216	168	121	86	67	49	34	22	12	6	3	3	3
100%	99%	95%	89%	82%	73%	62%	52%	40%	29%	21%	16%	12%	8%	5%	3%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
119,9°	195,9°	243,9°	65,5%	43,7%

## TM30 details

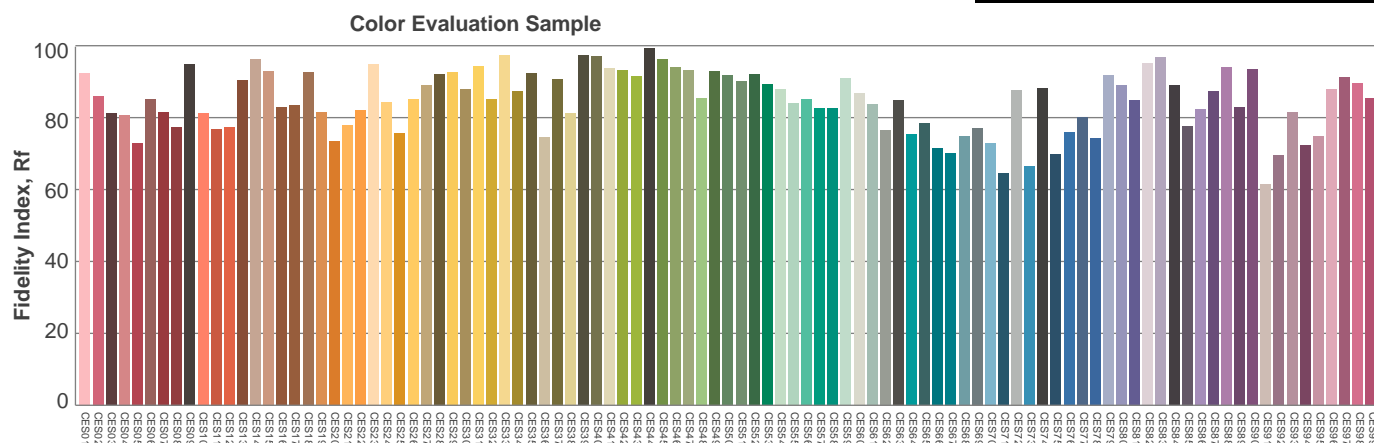
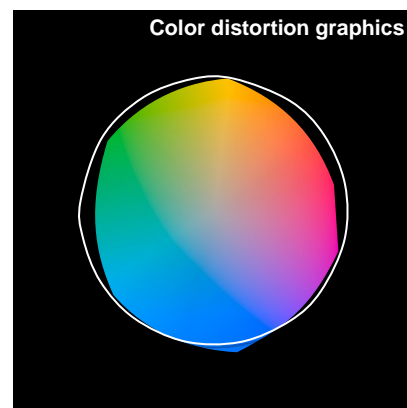
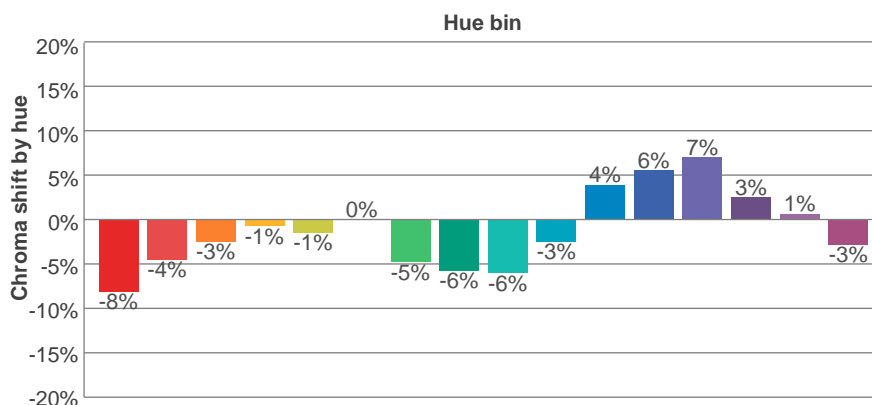
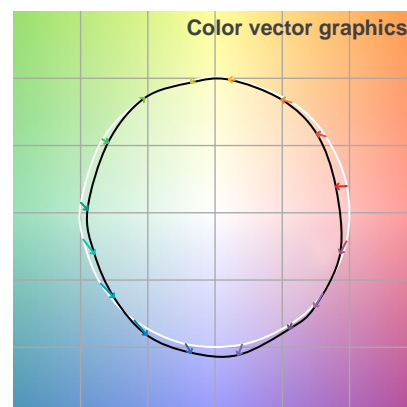
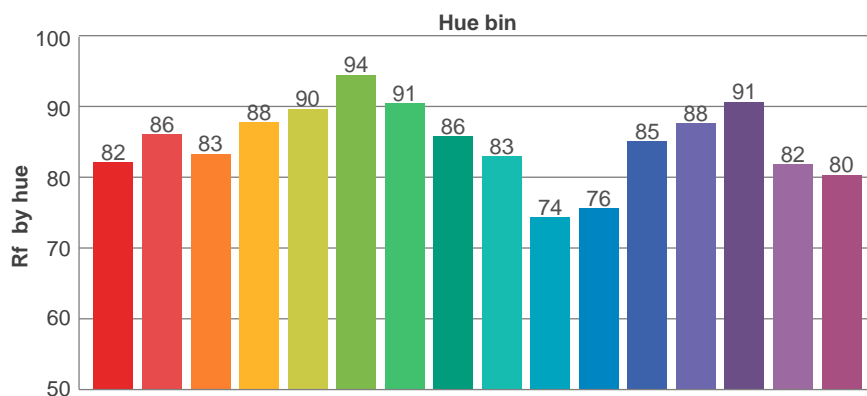
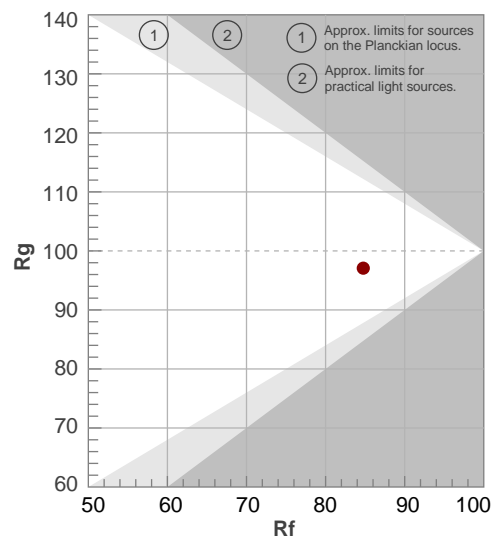
**Rf 84,8**

Fidelity index Rf

**Rg 97,1**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-8%	1%
2	86	-4%	5%
3	83	-3%	7%
4	88	-1%	5%
5	90	-1%	2%
6	94	0%	-1%
7	91	-5%	0%
8	86	-6%	4%
9	83	-6%	12%
10	74	-3%	14%
11	76	4%	14%
12	85	6%	5%
13	88	7%	-4%
14	91	3%	-3%
15	82	1%	-12%
16	80	-3%	-10%



## UGR

### 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	16,8	18,1	17,2	18,4	18,9	17,7	19,0	18,1	19,4	19,8
	3H	18,4	19,6	18,8	20,0	20,4	19,9	21,1	20,4	21,5	22,0
	4H	19,1	20,2	19,5	20,6	21,1	21,1	22,2	21,5	22,6	23,1
	6H	19,6	20,6	20,1	21,1	21,6	22,2	23,3	22,7	23,7	24,2
	8H	19,8	20,8	20,3	21,2	21,7	22,9	23,9	23,4	24,3	24,8
	12H	19,9	20,8	20,4	21,3	21,8	23,6	24,5	24,1	25,0	25,5
4H	2H	17,7	18,8	18,1	19,2	19,7	18,4	19,5	18,8	19,9	20,4
	3H	19,5	20,5	20,0	20,9	21,5	20,8	21,8	21,3	22,2	22,8
	4H	20,4	21,2	20,9	21,7	22,3	22,1	23,0	22,7	23,5	24,0
	6H	21,0	21,8	21,6	22,3	22,9	23,5	24,3	24,1	24,8	25,4
	8H	21,3	22,0	21,9	22,5	23,1	24,2	24,9	24,8	25,5	26,1
	12H	21,5	22,2	22,1	22,7	23,3	25,1	25,7	25,7	26,3	26,9
8H	4H	21,0	21,7	21,6	22,2	22,8	22,5	23,2	23,1	23,7	24,3
	6H	22,0	22,5	22,6	23,1	23,8	24,1	24,7	24,7	25,3	25,9
	8H	22,4	22,9	23,0	23,5	24,1	25,1	25,6	25,7	26,2	26,8
	12H	22,8	23,2	23,4	23,8	24,5	26,1	26,6	26,7	27,2	27,9
12H	4H	21,2	21,8	21,8	22,4	23,0	22,5	23,2	23,1	23,7	24,3
	6H	22,3	22,8	22,9	23,4	24,0	24,3	24,8	24,9	25,4	26,0
	8H	22,8	23,2	23,4	23,9	24,5	25,3	25,7	25,9	26,3	27,0
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					+0,3 / -0,3				
S = 2,0H		+0,3 / -0,6					+0,3 / -0,4				
Standard table		BK07					BK10				
Correction summand		5,6					9,2				
Corrected glare indices referring to 1483 lm total luminous flux											

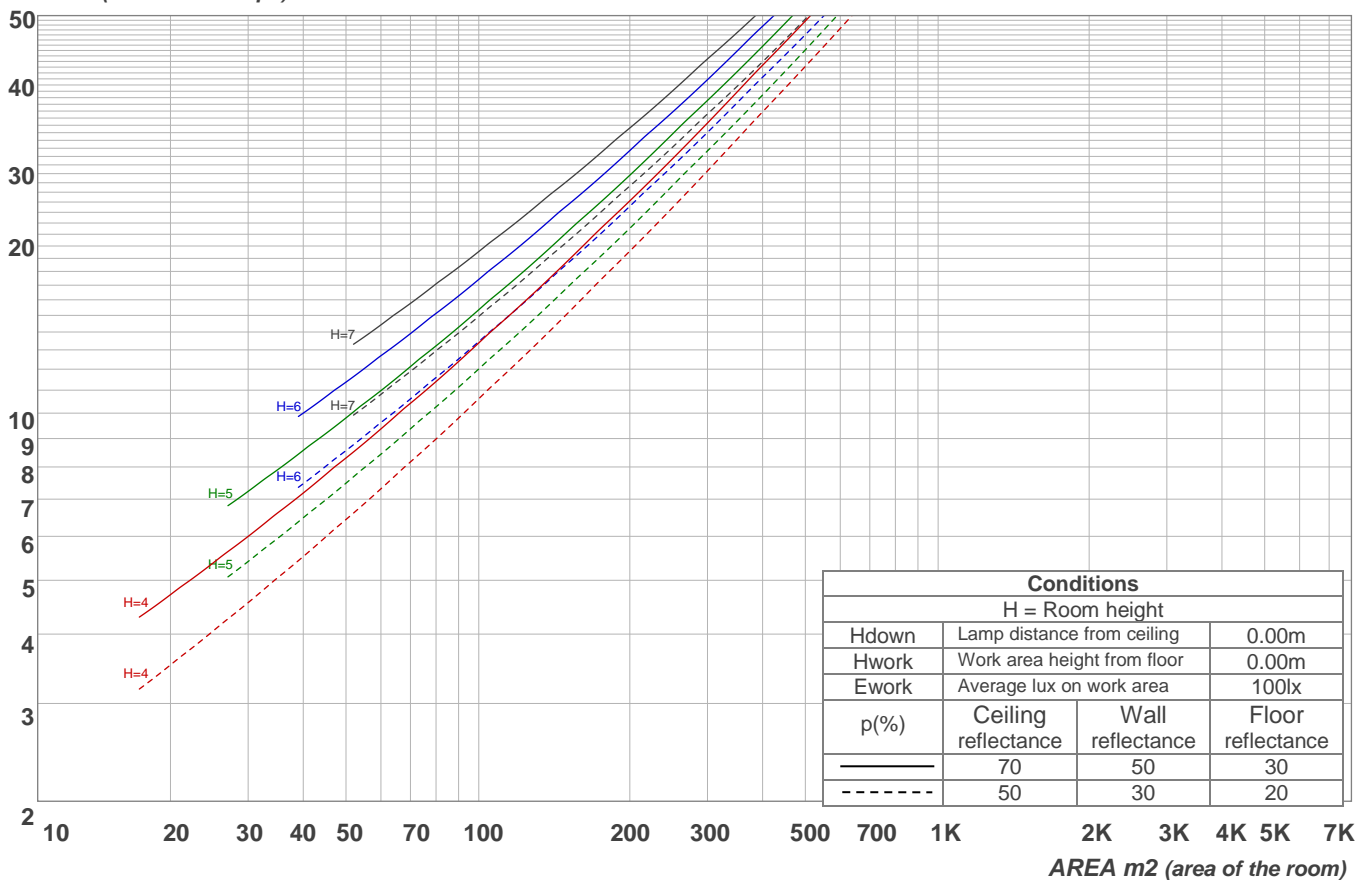
# Light planning

## 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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	105	99	94	90	101	96	92	88	90	87	83	85	82	79	80	78	75	73
2	95	86	78	72	91	83	76	70	78	72	67	73	69	65	69	65	62	59
3	86	75	66	59	83	72	64	58	68	61	56	64	59	54	61	56	52	49
4	78	66	57	50	75	64	55	49	60	53	47	57	51	46	54	48	44	41
5	72	59	49	42	69	57	48	42	54	46	40	51	44	39	48	43	38	36
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	44	38	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	40	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	31	26	24
9	53	40	31	26	51	39	31	25	37	30	25	35	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	22	33	26	22	31	26	21	20

LAMPS (number of lamps)

## Luminaire budgetary diagram

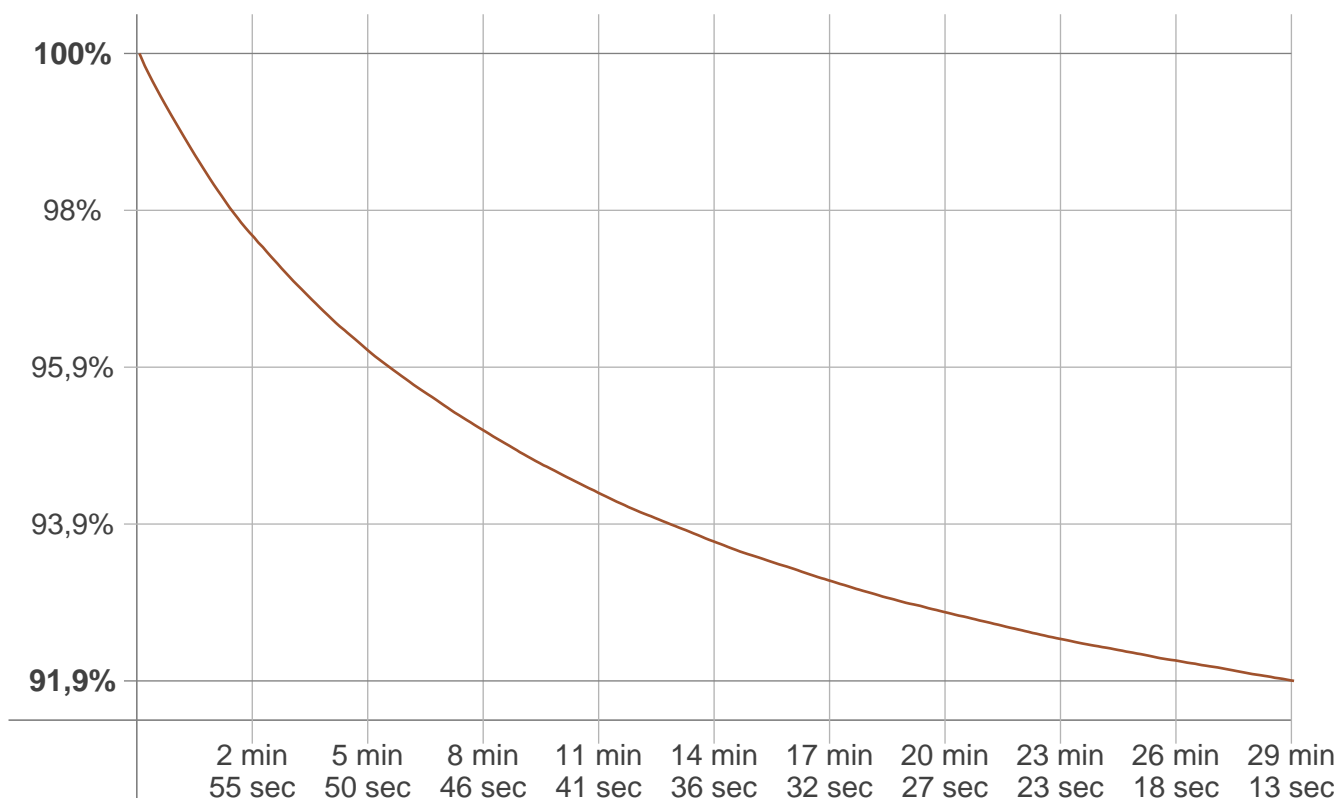


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
39,7 lm	114 lm	173 lm	210 lm	223 lm	211 lm	178 lm	129 lm	78,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
51,2 lm	34,1 lm	20,7 lm	11,1 lm	5,14 lm	2,19 lm	1,24 lm	0,739 lm	0,249 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	29 min 18 sec
Warmup variation	-8,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4677 K	+102 K	4779 K

Output change

Output start	Output change	Output end
1608 lm	-125 lm	1483 lm