

## Luminaria para interior



### Código

**KF1027A**

### Descripción

Luminaria para descolgar, diseñada con módulo de LED. Compuesta por acrílico opal directo e indirecto.

### Materiales y acabado

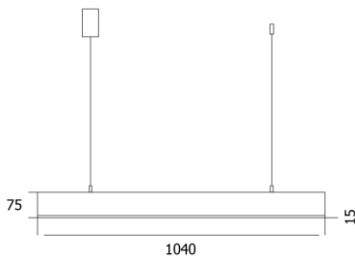
Cuerpo en aluminio, con acabado en pintura poliéster electroestática en polvo.

### Color




Blanco.

### Dimensiones (mm)

**Largo:** 1040; **Ancho:** 15  
**Alto:** 75.



### Características técnicas

<b>LED</b>	 100°	 30,000h	<b>IP</b> 20	<b>IK</b> 02
<b>PF</b> 0,87	<b>THD</b> <20%	<b>°C</b> 0-55	<b>V</b> 110-230	

### Fuente de luz

Módulos de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
36W	>80	3000	47	1613

### Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Marca LED: EVERLIGHT. Marca Driver: AREEK.
- Potencia de Salida: 34,4 W.

Light efficiency:



Light quality:



Color temperature:



Output: 1613 lm

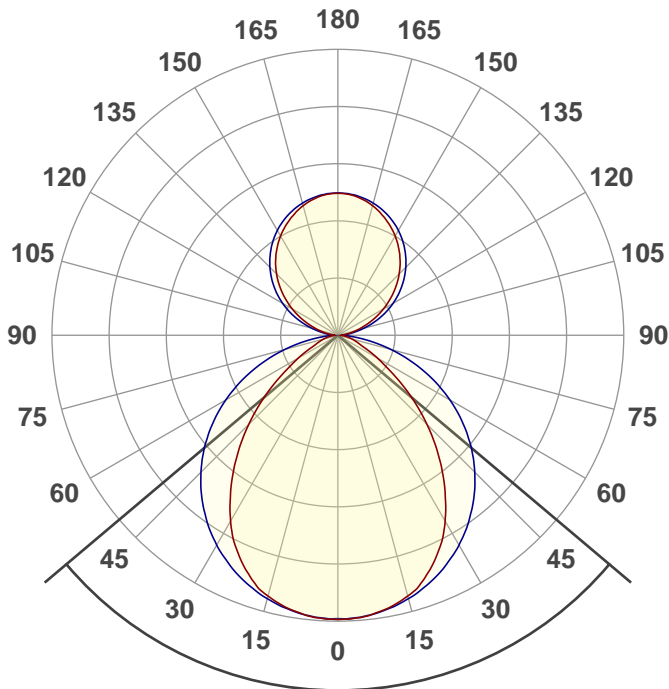
Peak: 427 cd

Power: 34,4 W

PF: 0,87



Product name:  
E0723-KF1027A



Beam angle **99,7°**



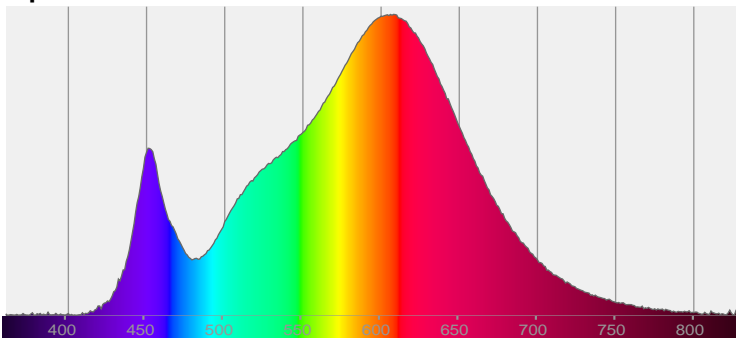
CIE 1931  
x: 0,435  
y: 0,398

THD Values:

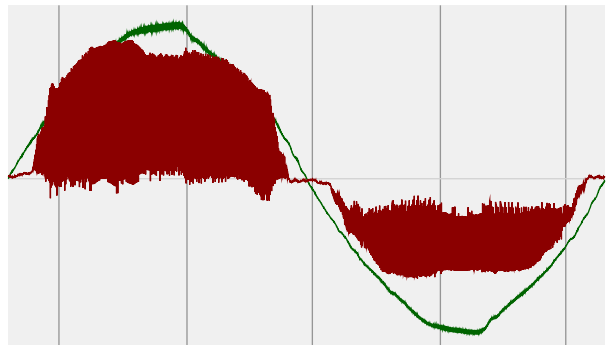
Voltage: 2,68%

Current: 14,51%

Spectra



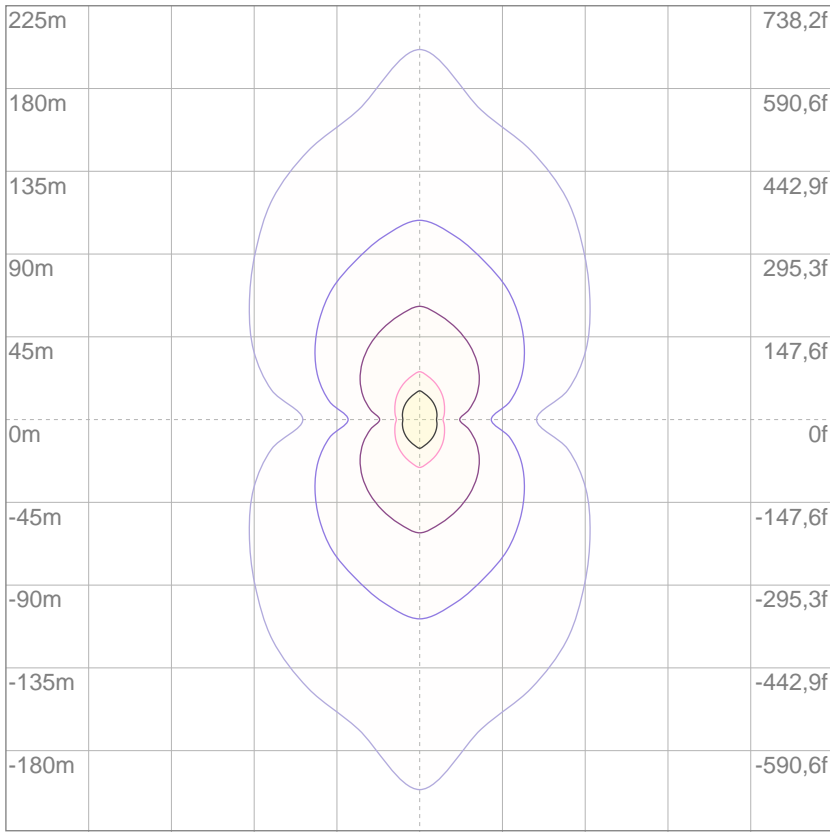
Power



Voltage: 114 V  
Current: 0,346 A  
Frequency: 60 Hz

# ISO Diagrams

## ISO lux diagram



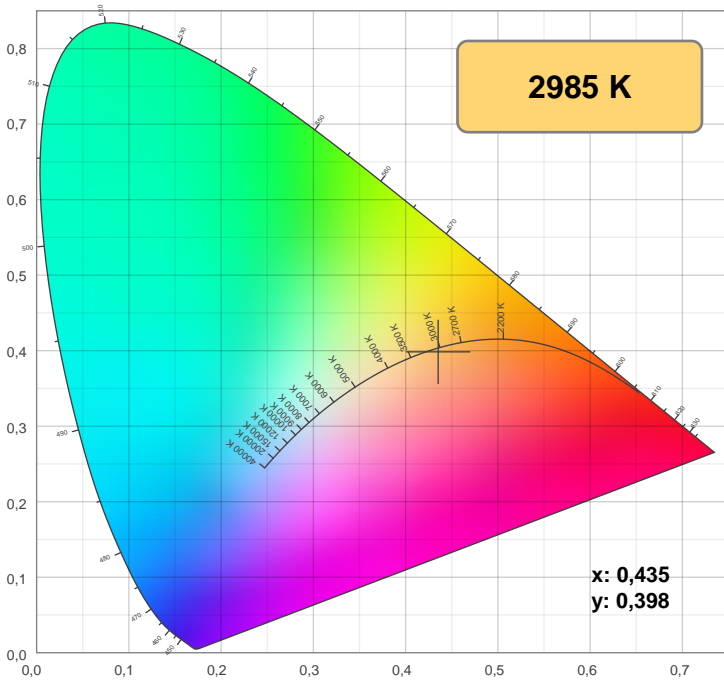
— 3%	0,128 lx
— 5%	0,213 lx
— 10%	0,427 lx
— 30%	1,28 lx
— 50%	2,13 lx

**Conditions:**  
 Number of c-planes: 4  
 Lux at center: 4,27 lx

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

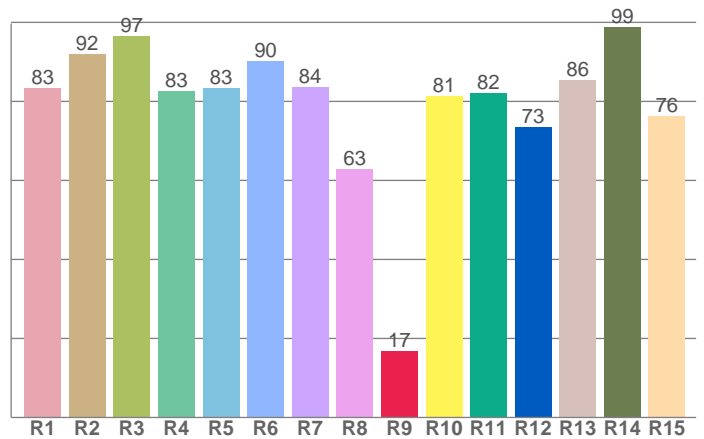
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 84,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,3	92,1	96,6	82,5	83,3	90,1	83,7	62,9	16,9	81,5	82,1	73,4	85,5	98,8	76,4

## Color parameters

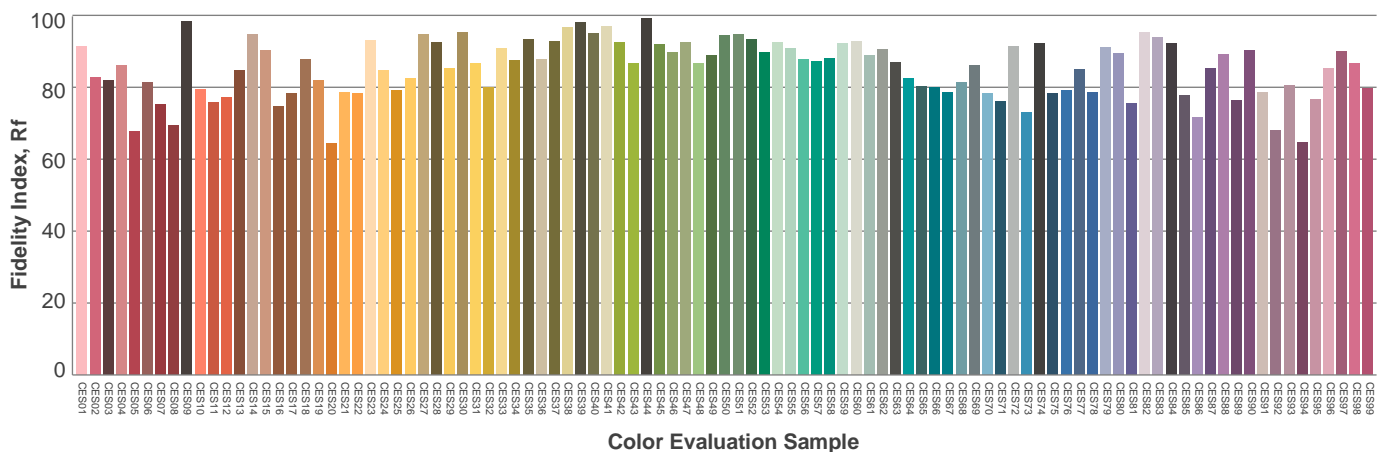
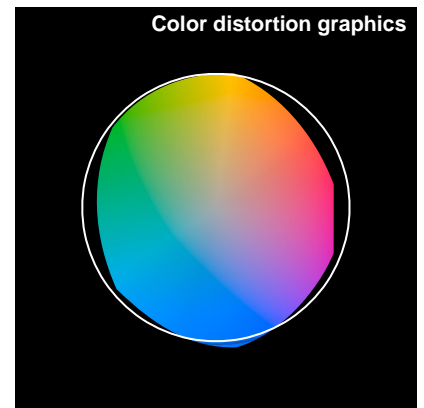
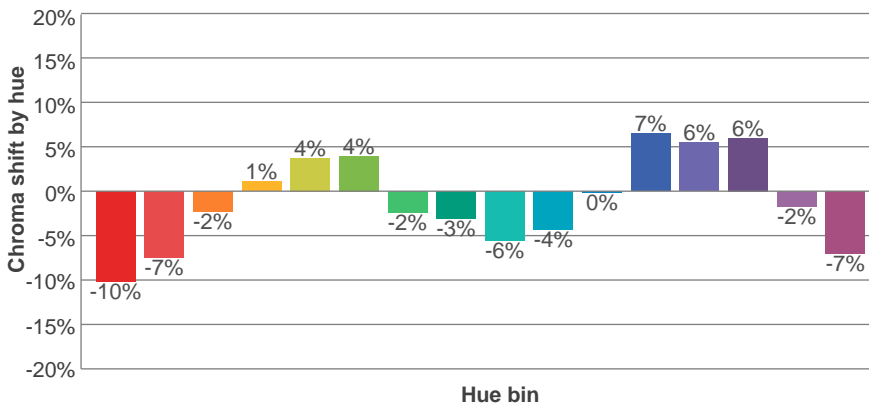
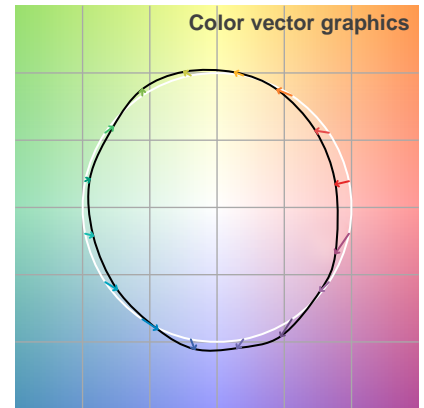
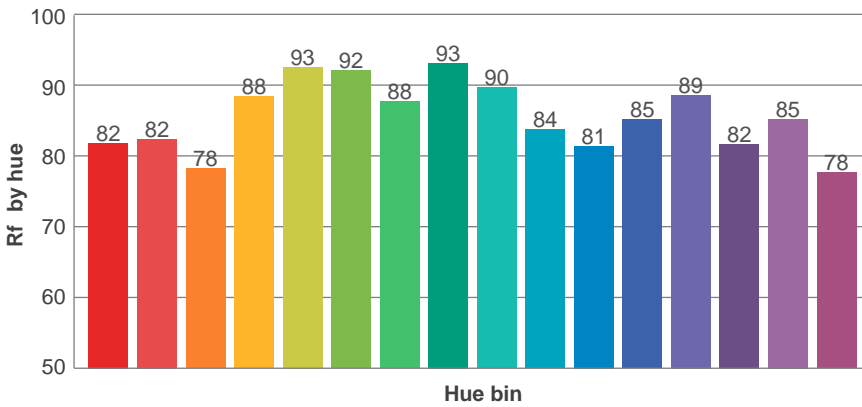
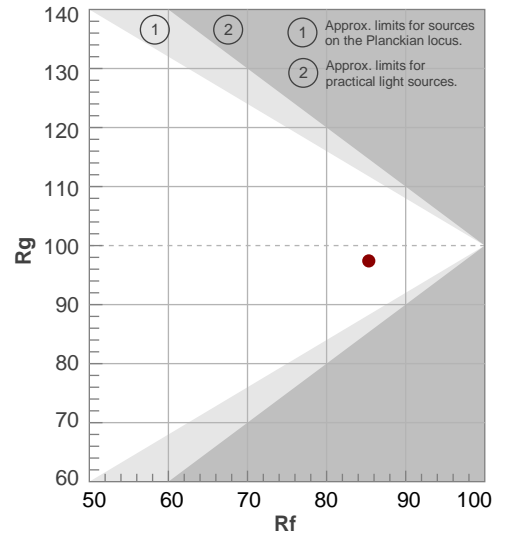
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2985 K	84,3	16,9	85,3	97,4	82,6	0,435	0,398	0,252	0,346	-0,0020

TM-30 details

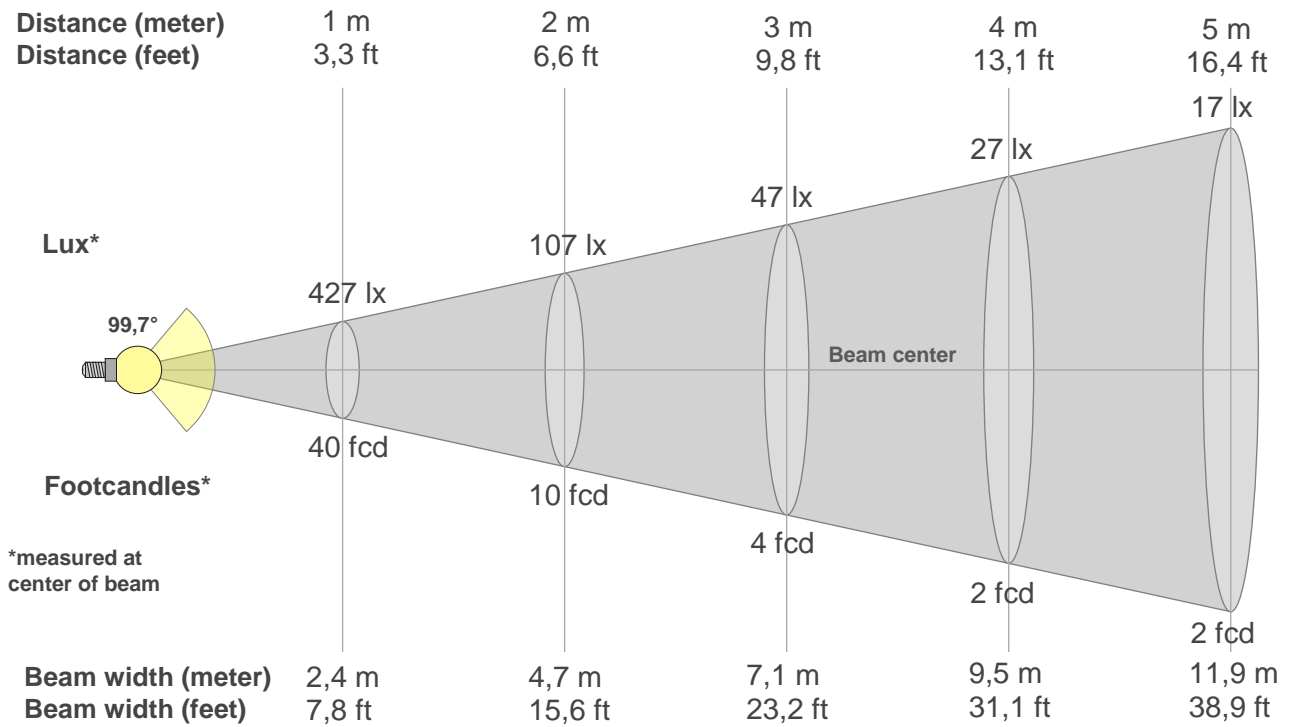
**Rf 85,3**  
Fidelity index Rf

**Rg 97,4**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	82	-10%	0%
2	82	-7%	7%
3	78	-2%	11%
4	88	1%	7%
5	93	4%	4%
6	92	4%	-3%
7	88	-2%	-7%
8	93	-3%	-2%
9	90	-6%	3%
10	84	-4%	9%
11	81	0%	13%
12	85	7%	4%
13	89	6%	-6%
14	82	6%	-14%
15	85	-2%	-9%
16	78	-7%	-16%



## Beam details



### Beam intensities from 1-20m

(BEAM\_INT\_TABLE\_START)

m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx
fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd

### 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°
427	420	396	346	272	190	109	53	27	13	5	16	38	69	100	130	157	179	197	209
100%	98%	93%	81%	64%	44%	26%	13%	6%	3%	1%	4%	9%	16%	23%	31%	37%	42%	46%	49%

### 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°
427	421	403	375	338	291	236	173	105	41	6	21	51	85	116	145	169	188	202	211
100%	99%	94%	88%	79%	68%	55%	40%	25%	10%	1%	5%	12%	20%	27%	34%	39%	44%	47%	49%

### 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°
427	420	396	346	272	190	109	53	27	13	5	16	38	69	100	130	157	179	197	209
100%	98%	93%	81%	64%	44%	26%	13%	6%	3%	1%	4%	9%	16%	23%	31%	37%	42%	46%	49%

### 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°
427	421	403	375	338	291	236	173	105	41	6	21	51	85	116	145	169	188	202	211
100%	99%	94%	88%	79%	68%	55%	40%	25%	10%	1%	5%	12%	20%	27%	34%	39%	44%	47%	49%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99,7°	360°	360°	52,9%	38,2%

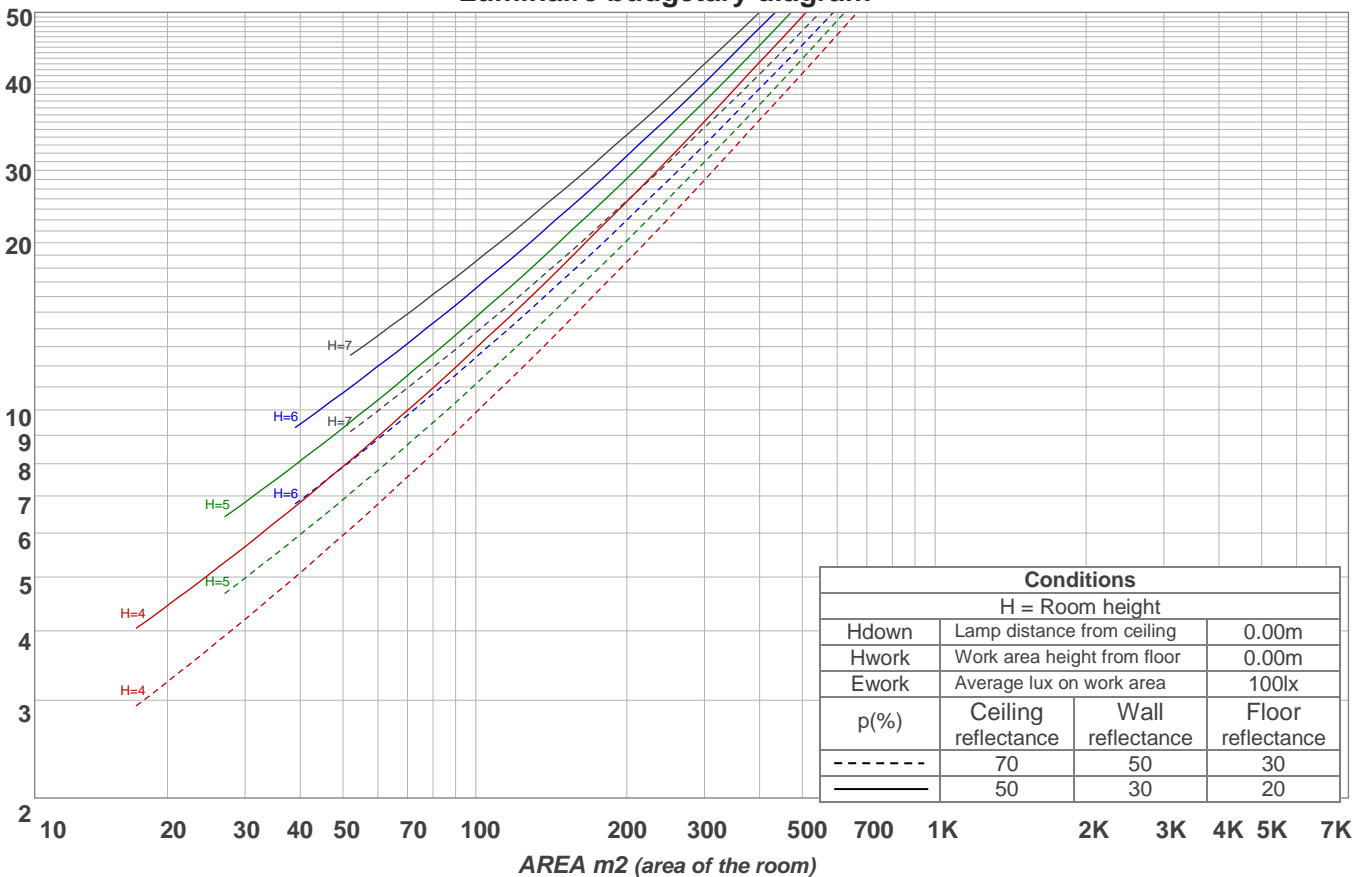
# Light planning

## 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	20	20	20	0
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																				
	Room Values are expressed as percentage of Lumens delivered to the task surface																				
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64			
1	101	97	93	90	95	91	88	85	80	78	75	70	68	67	61	60	59	54			
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46			
3	85	75	68	62	79	71	64	59	63	58	53	55	51	48	48	45	43	39			
4	78	67	59	53	73	63	56	50	56	50	46	50	45	41	43	40	37	34			
5	71	60	51	45	67	56	49	44	50	44	40	45	40	36	39	36	33	30			
6	66	54	46	40	62	51	43	38	46	39	35	41	36	32	36	32	29	26			
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23			
8	57	44	37	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21			
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19			
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17			

LAMPS (number of lamps)

Luminaire budgetary diagram

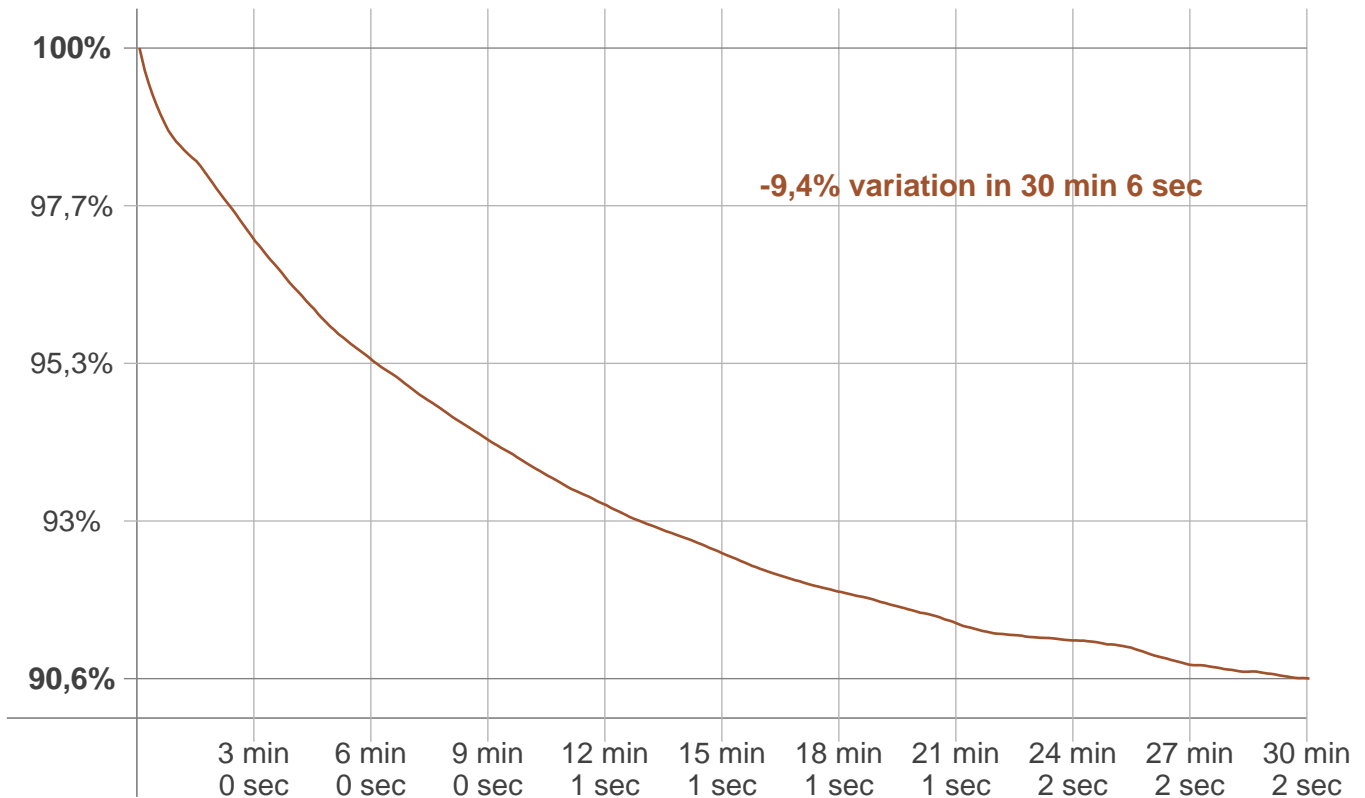


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
40,4 lm	115 lm	170 lm	195 lm	185 lm	148 lm	101 lm	55,6 lm	16,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
12,5 lm	37,5 lm	68,8 lm	93,7 lm	106 lm	103 lm	86,4 lm	57,5 lm	20,2 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	30 min 6 sec
Warmup variation	-9,6%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
2967 K	+18 K	2985 K

### Output change

Output start	Output change	Output end
1764 lm	-151 lm	1613 lm