



**Dimensiones (mm)**

**Ancho:** 205; **Alto:** 620.  
**Diámetro para poste:** Ø56

**Código**

**ILITIA-100W**

**Descripción**

Luminaria diseñada para exterior, con módulos de LED. Compuesta por óptico opal y disipador en aluminio. Diseñada especialmente para postes de Ø2".



**Materiales y acabado**

Cuerpo y disipador en aluminio inyectado. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

**Color**

Negro.

**Características técnicas**

<b>LED</b>	 145°	 50,000h	<b>IP</b> 66	<b>IK</b> 08
<b>PF</b> 1	<b>THD</b> <10%	<b>°C</b> 44	<b>V</b> 100-277	

**Fuente de luz**

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
100W	>80	5000	138	13215

**Características de fuente de luz**

- Color temperatura disponible 5000K (luz día).
- Potencia de Salida: 96W.

Nota: Debido a continua investigación, nos reservamos el derecho de cambiar especificaciones sin previa notificación.



Light efficiency:



Light quality:



Color temperature:



Output: 13215 lm

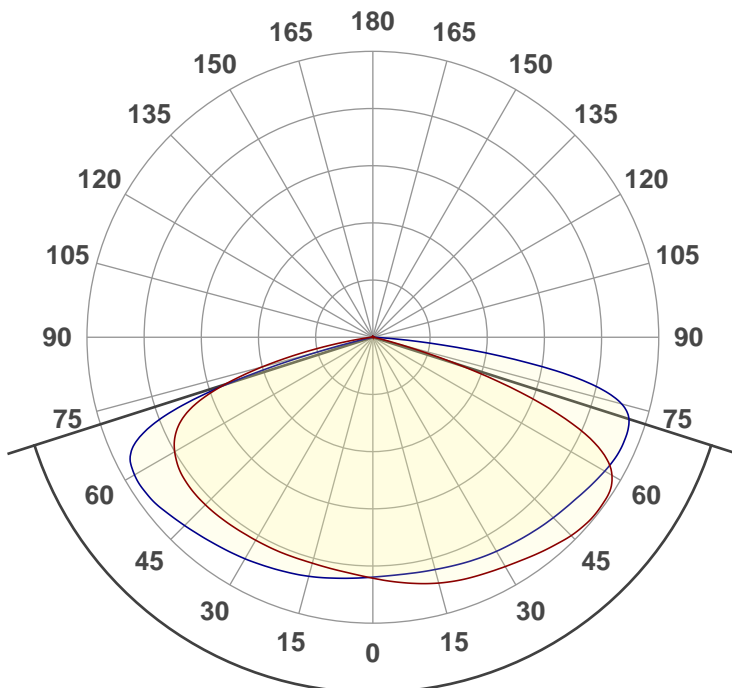
Peak: 3371 cd

Power: 95,9 W

PF: 1,0



Product name:  
E0739-ILITIA-100W



Beam angle **144,6°**



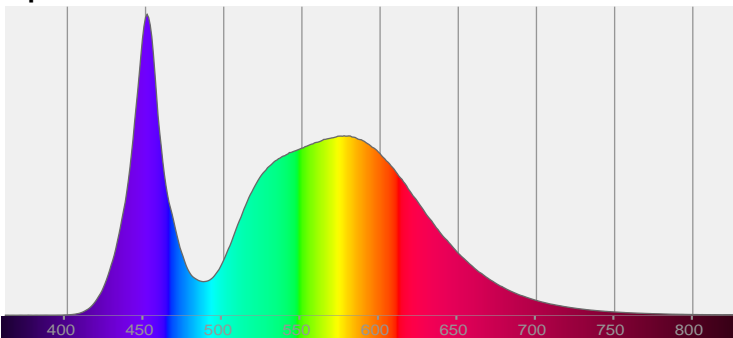
CIE 1931  
x: 0,343  
y: 0,350

THD Values:

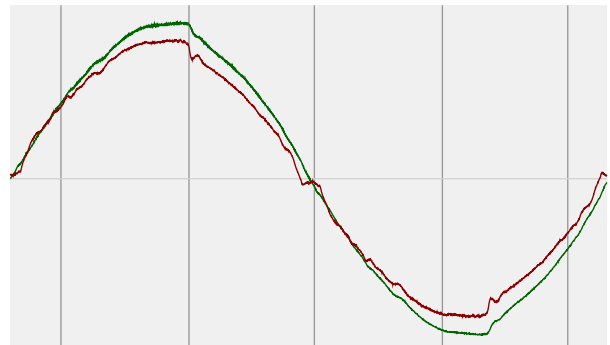
Voltage: 2,44%

Current: 3,46%

Spectra



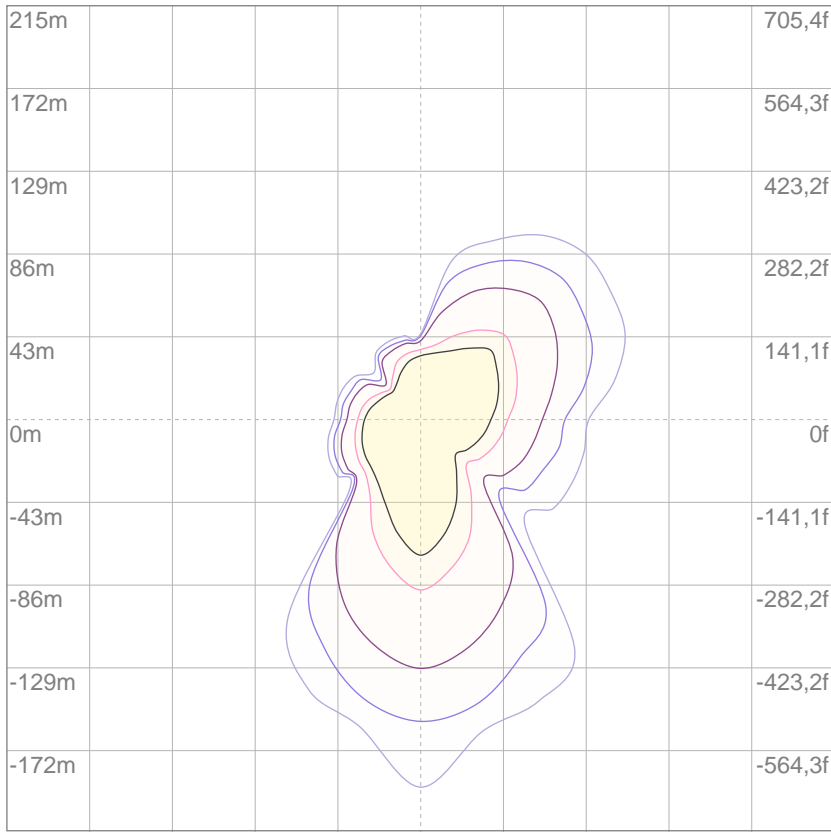
Power



Voltage: 119 V  
Current: 0,806 A  
Frequency: 60,2 Hz

# ISO Diagrams

## ISO lux diagram



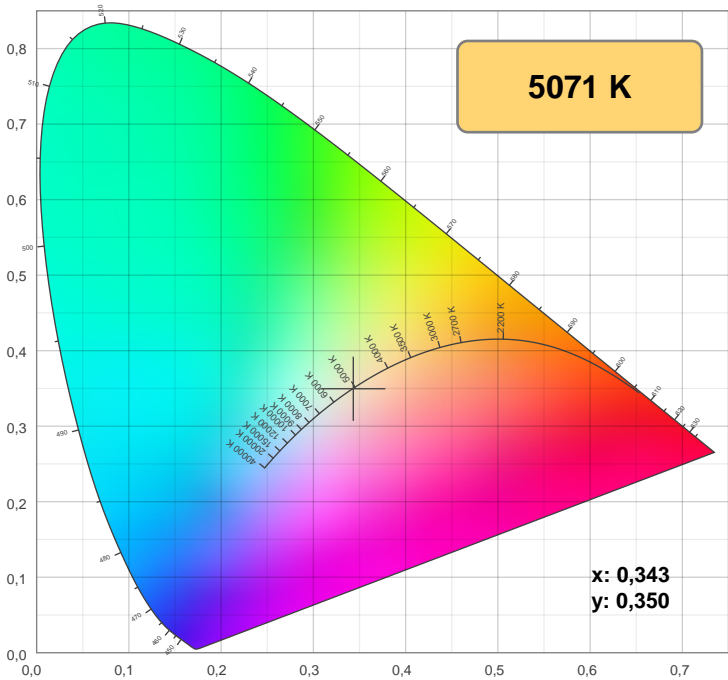
3%	0,839 lx
5%	1,40 lx
10%	2,80 lx
30%	8,39 lx
50%	14,0 lx

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 28,0 lx

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

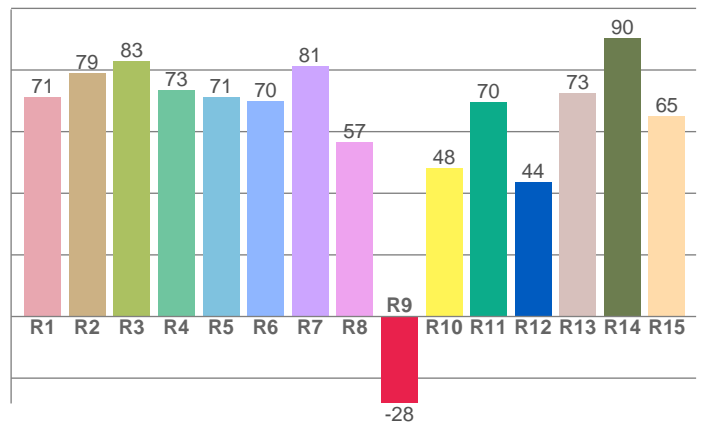
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 73,2 (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
71,1	78,9	83,0	73,4	71,3	69,9	81,2	56,7	-28,2	48,2	69,6	43,7	72,6	90,2	65,1

## Color parameters

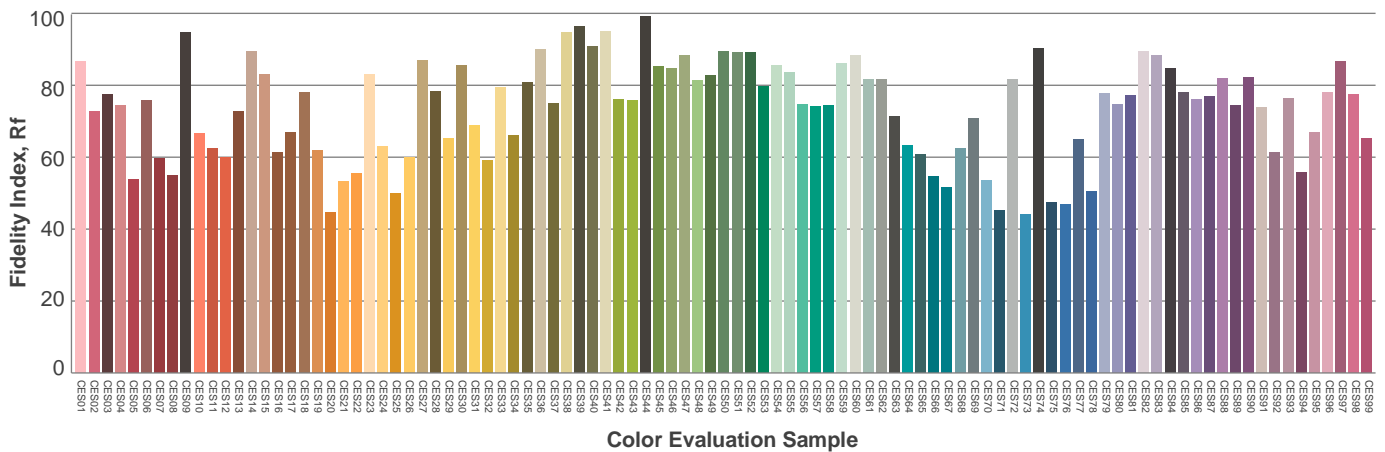
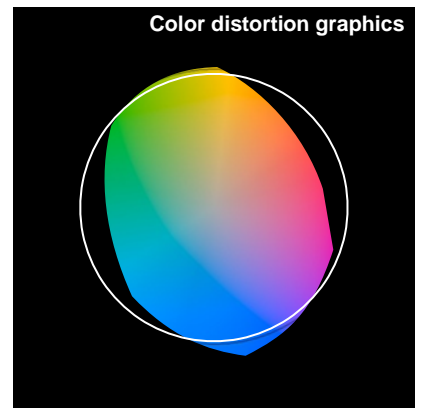
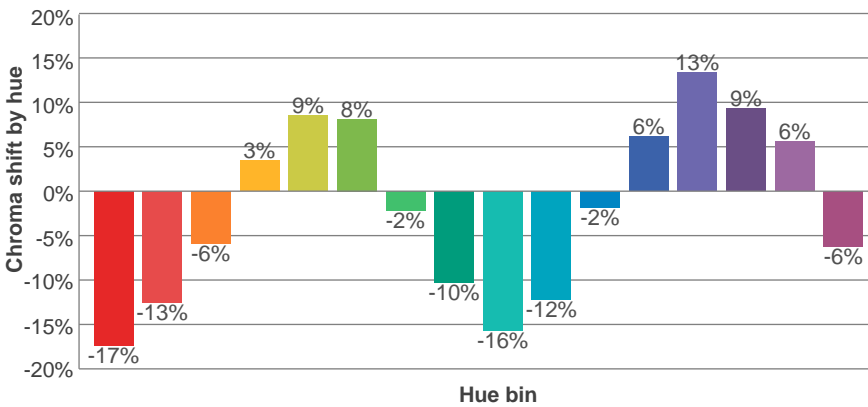
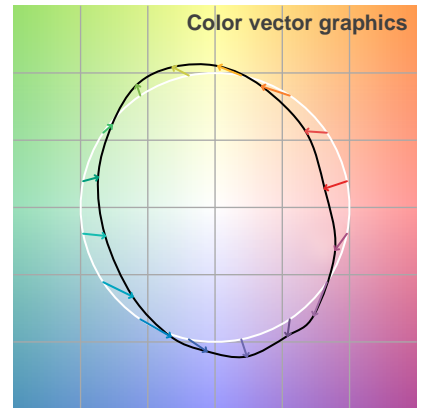
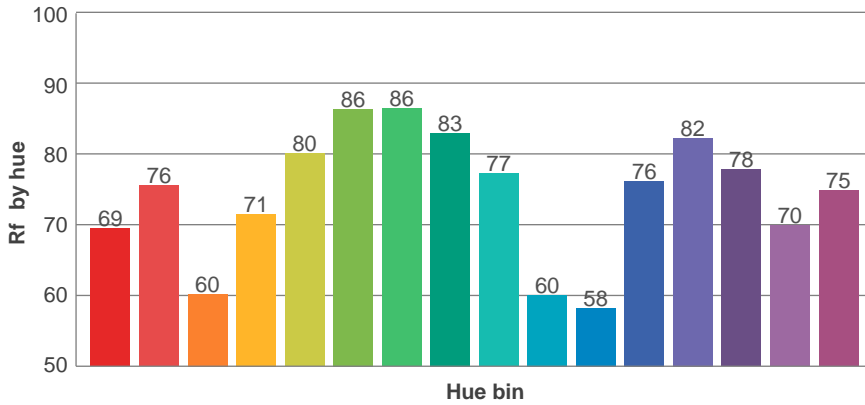
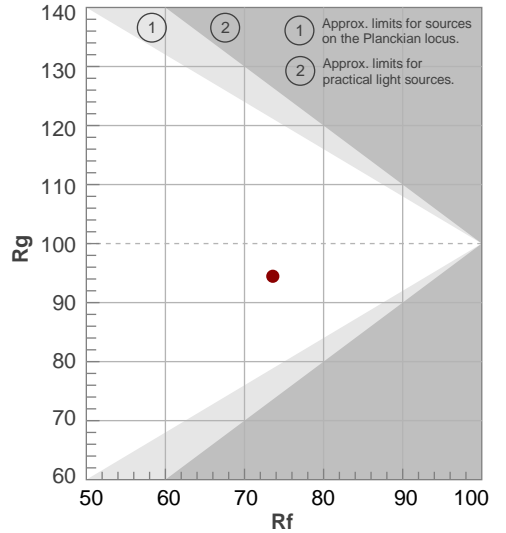
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5071 K	73,2	-28,2	73,6	94,5	69,6	0,343	0,350	0,211	0,322	-0,0035

TM-30 details

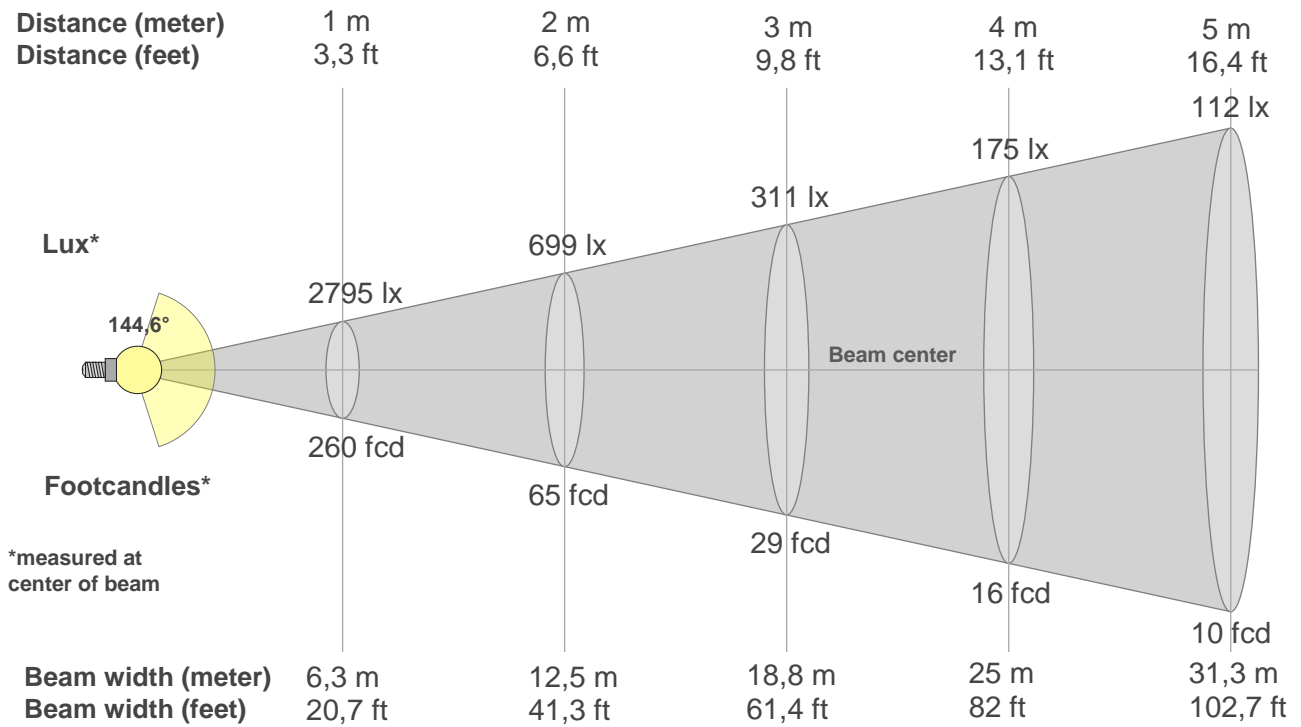
**Rf 73,6**  
Fidelity index Rf

**Rg 94,5**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	69	-17%	-2%
2	76	-13%	10%
3	60	-6%	21%
4	71	3%	18%
5	80	9%	11%
6	86	8%	-2%
7	86	-2%	-8%
8	83	-10%	-5%
9	77	-16%	5%
10	60	-12%	21%
11	58	-2%	26%
12	76	6%	15%
13	82	13%	2%
14	78	9%	-8%
15	70	6%	-26%
16	75	-6%	-14%



## 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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2795	2851	2904	2956	2999	3034	3076	3129	3193	3258	3297	3295	3206	2785	1703	362	29	2	2	3
100%	102%	104%	106%	107%	109%	110%	112%	114%	117%	118%	118%	115%	100%	61%	13%	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°
2795	2775	2779	2793	2816	2843	2871	2898	2930	2964	3002	3053	3110	3154	3152	2989	2039	437	12	3
100%	99%	99%	100%	101%	102%	103%	104%	105%	106%	107%	109%	111%	113%	113%	107%	73%	16%	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°
2795	2757	2732	2717	2715	2719	2722	2731	2743	2752	2751	2729	2658	2505	2127	1331	415	57	10	3
100%	99%	98%	97%	97%	97%	97%	98%	98%	98%	98%	98%	95%	90%	76%	48%	15%	2%	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°
2795	2809	2840	2874	2905	2936	2971	3005	3045	3093	3148	3193	3197	3088	2425	701	21	3	3	4
100%	101%	102%	103%	104%	105%	106%	108%	109%	111%	113%	114%	114%	110%	87%	25%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
144,6°	156,1°	162°	69,7%	40,4%

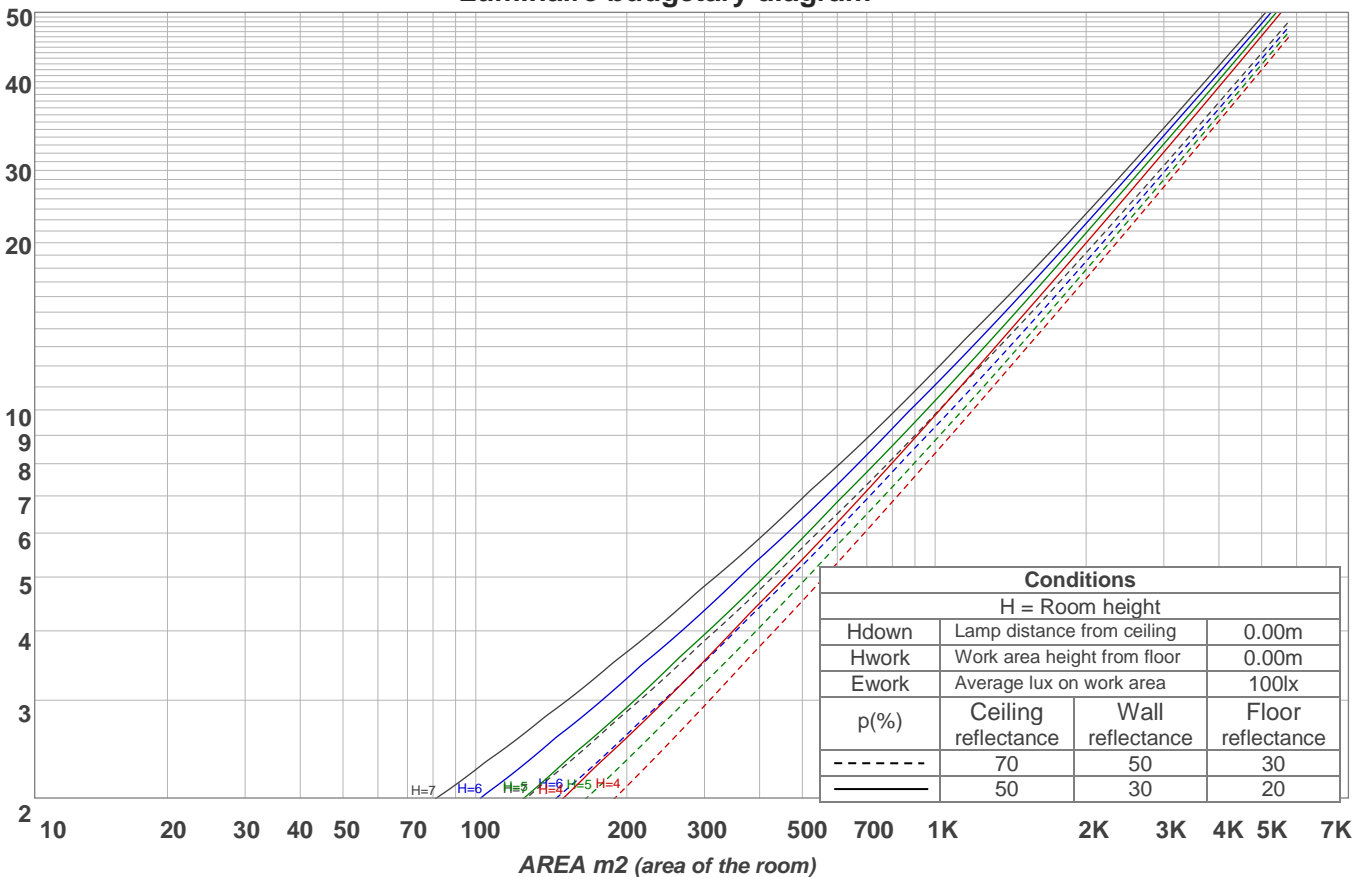
# Light planning

## 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	107	102	97	93	105	100	96	92	95	92	89	91	89	86	88	85	83	81			
2	96	87	79	73	93	85	78	72	81	75	70	78	73	68	75	71	67	64			
3	86	75	65	58	84	73	64	58	70	62	56	67	61	55	64	59	54	52			
4	78	65	55	47	76	63	54	47	61	53	46	58	51	46	56	50	45	43			
5	71	57	47	40	69	56	46	39	53	45	39	51	44	38	49	43	38	36			
6	65	50	41	34	63	49	40	33	48	39	33	46	38	33	44	37	32	30			
7	60	45	36	29	58	44	35	29	43	35	29	41	34	28	40	33	28	26			
8	55	41	32	25	54	40	31	25	39	31	25	37	30	25	36	30	25	23			
9	52	37	28	22	50	37	28	22	35	28	22	34	27	22	33	27	22	20			
10	48	34	26	20	47	34	25	20	32	25	20	31	25	20	31	24	20	18			

LAMPS (number of lamps)

Luminaire budgetary diagram

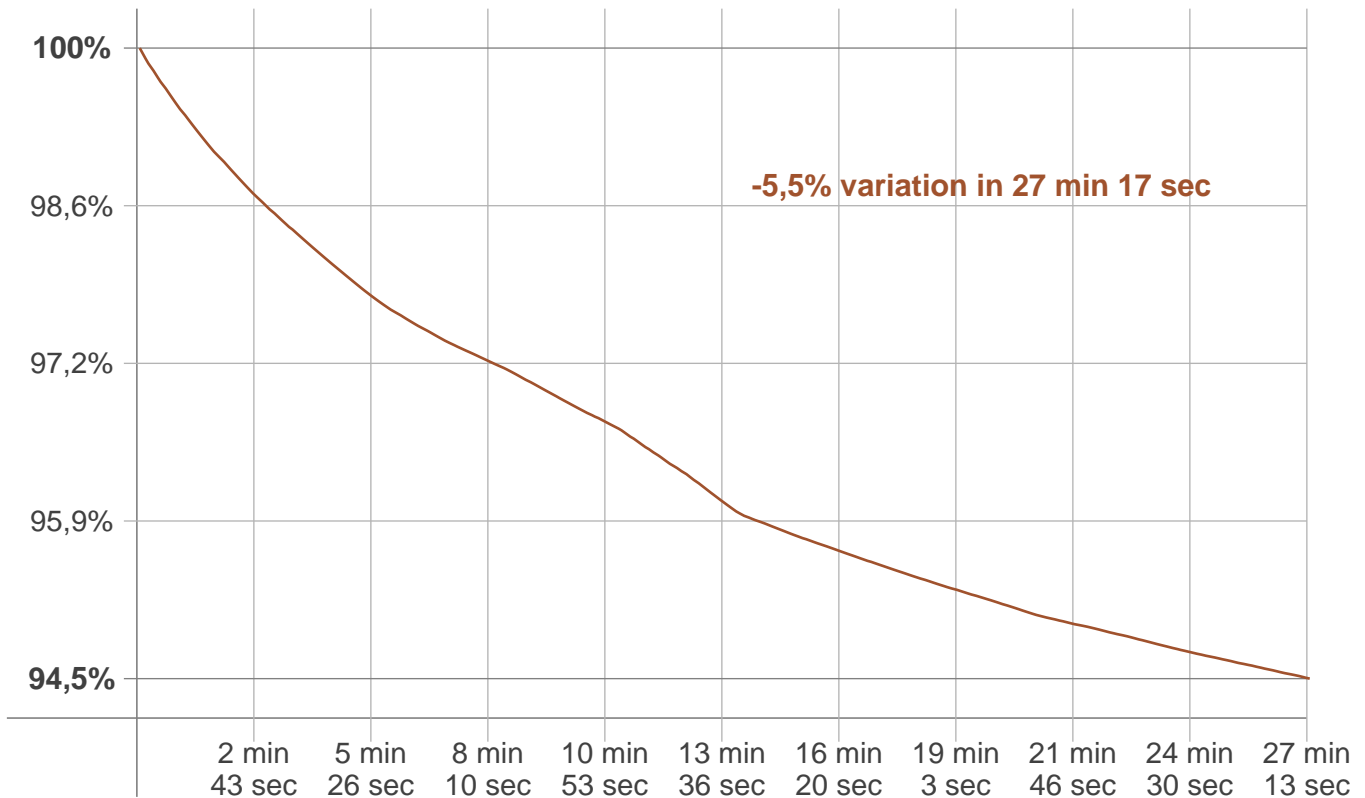


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
268 lm	804 lm	1334 lm	1839 lm	2306 lm	2662 lm	2524 lm	1296 lm	151 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
3,96 lm	4,17 lm	4,44 lm	4,44 lm	4,18 lm	3,63 lm	2,83 lm	1,82 lm	0,638 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	27 min 17 sec
Warmup variation	-5,6%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
5014 K	+57 K	5071 K

### Output change

Output start	Output change	Output end
13974 lm	-759 lm	13215 lm