



**Dimensiones (mm)**

**Ancho:** 275; **Alto:** 630.  
**Diámetro para poste:** Ø56

**Código**

**ILITIA-150W**

**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>	 117°	 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
150W	>80	5000	169	25812

**Características de fuente de luz**

- Color temperatura disponible 5000K (luz día).
- Potencia de Salida: 153W.

Light efficiency:



Light quality:



Color temperature:



Output: 25812 lm

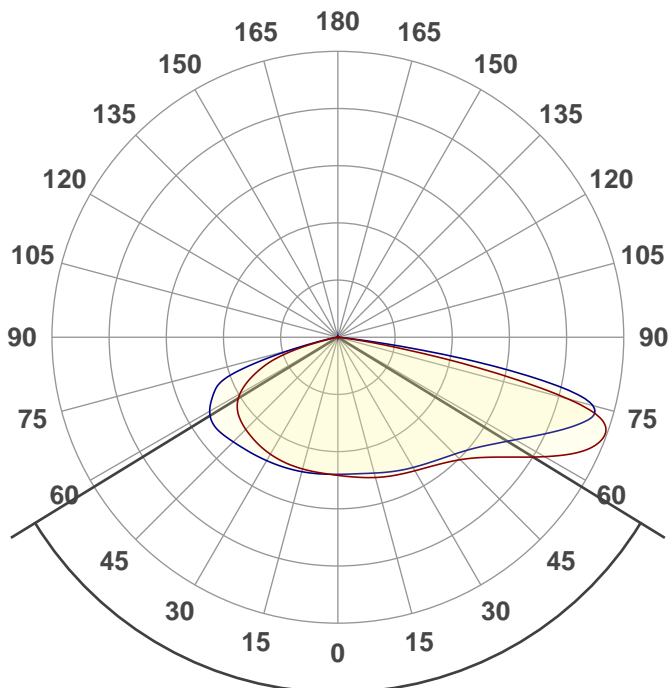
Peak: 9173 cd

Power: 153 W

PF: 1,0



Product name:  
E0740-ILITIA-150W



Beam angle **116,9°**



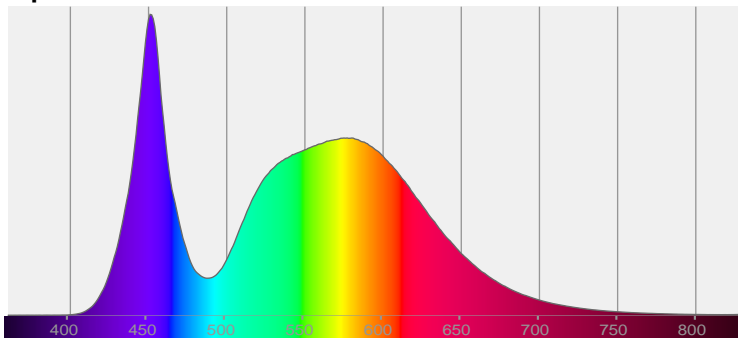
CIE 1931  
x: 0,338  
y: 0,342

THD Values:

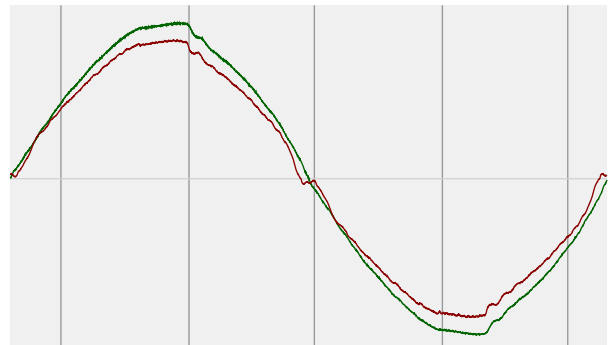
Voltage: 2,35%

Current: 3,41%

Spectra



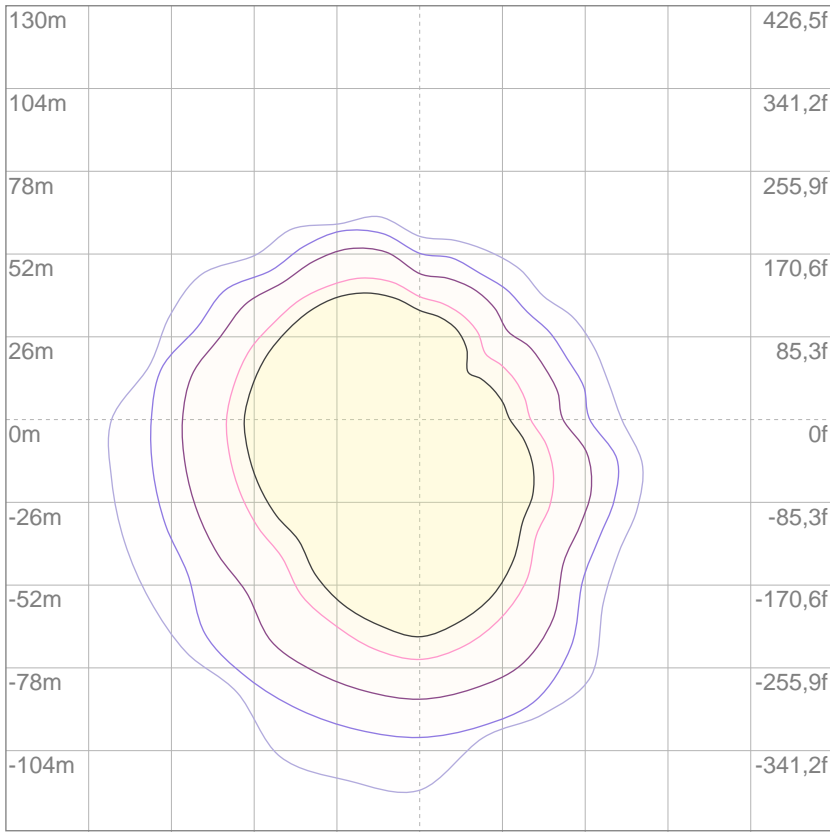
Power



Voltage: 111 V  
Current: 1,38 A  
Frequency: 60 Hz

# ISO Diagrams

## ISO lux diagram



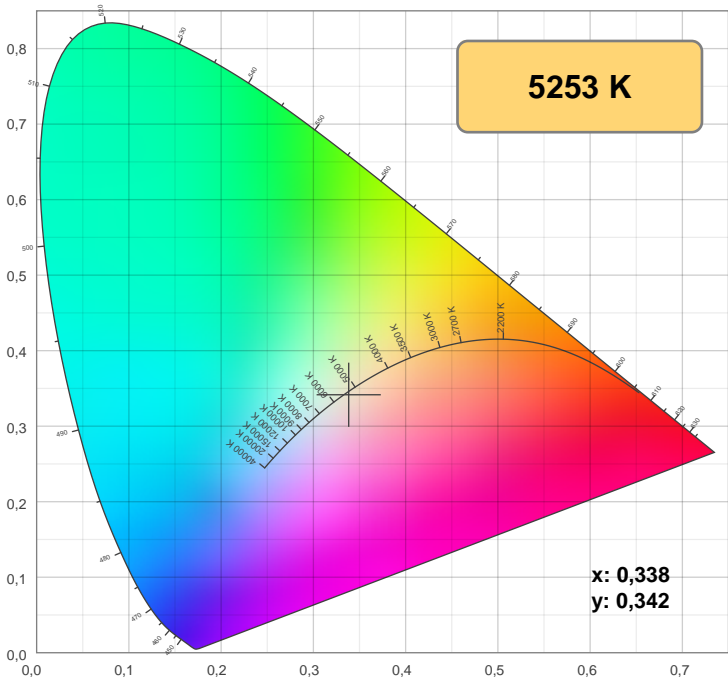
3%	1,33 lx
5%	2,22 lx
10%	4,45 lx
30%	13,3 lx
50%	22,2 lx

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 44,5 lx

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

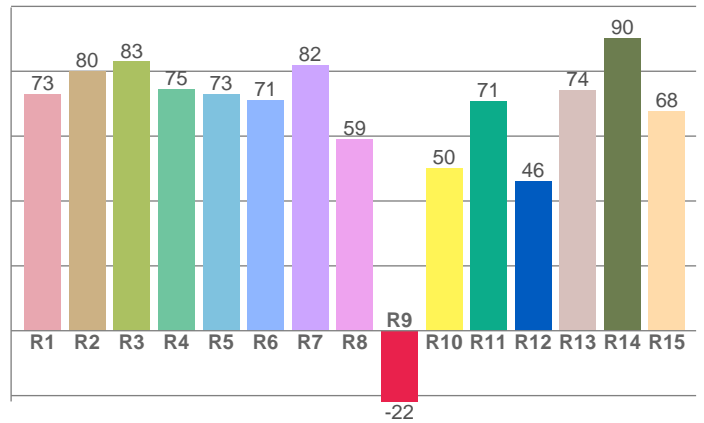
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 74,4 (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
72,9	80,1	82,9	74,5	72,9	71,0	81,8	59,0	-21,8	50,2	70,7	46,1	74,2	90,2	67,8

## Color parameters

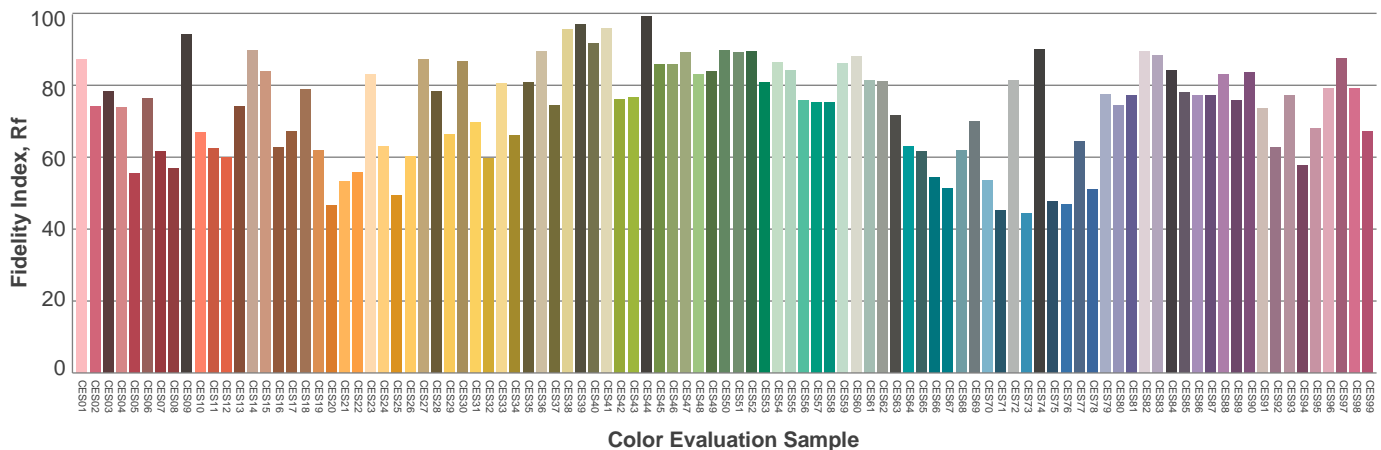
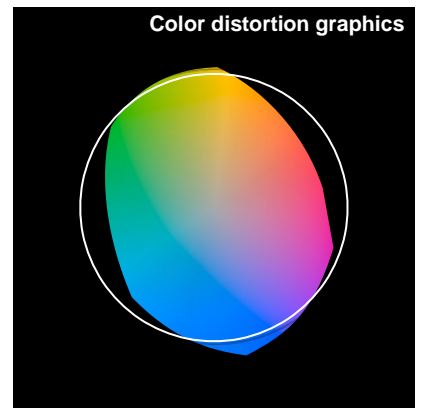
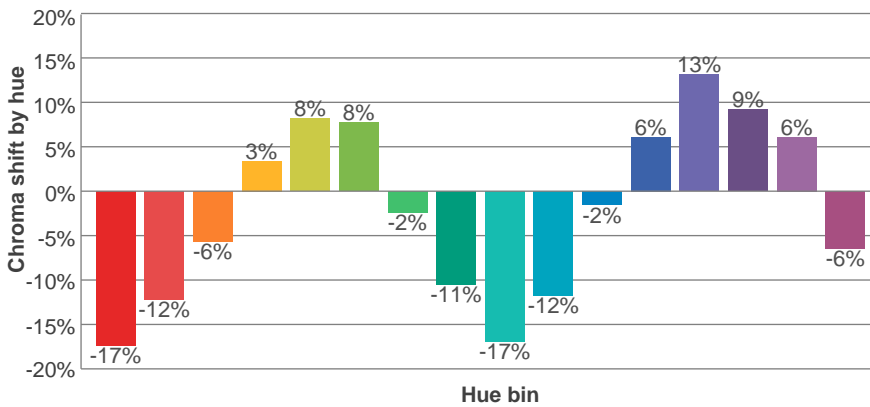
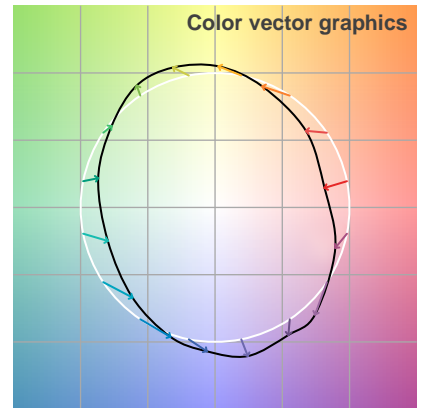
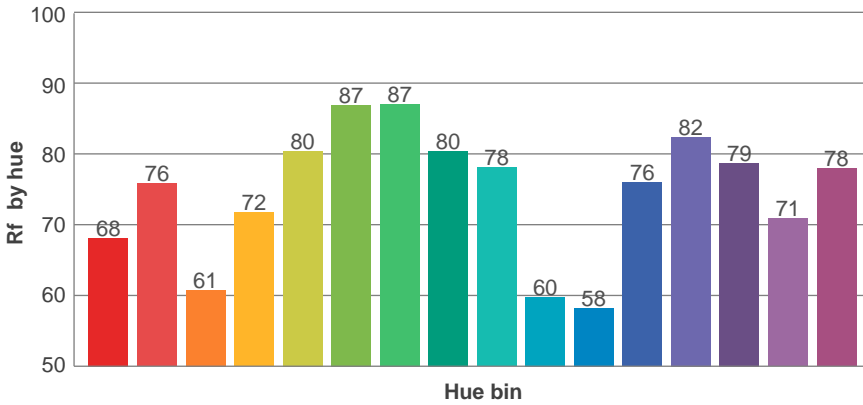
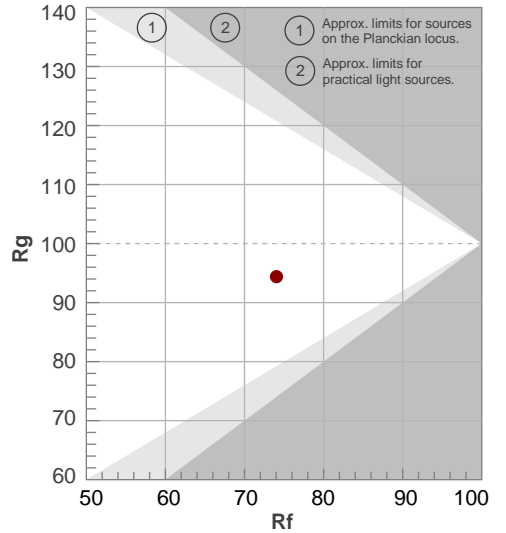
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
5253 K	74,4	-21,8	74,0	94,4	69,8	0,338	0,342	0,211	0,319	-0,0055

TM-30 details

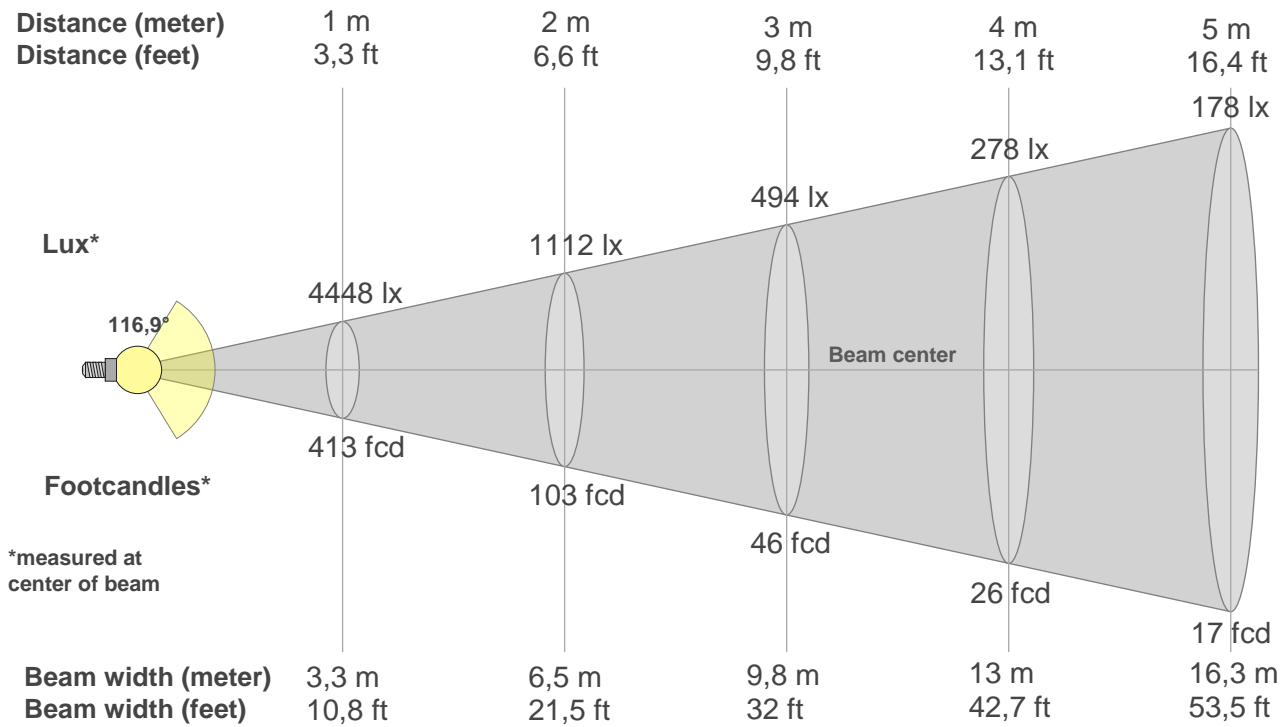
**Rf 74,0**  
Fidelity index Rf

**Rg 94,4**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	68	-17%	-2%
2	76	-12%	10%
3	61	-6%	21%
4	72	3%	18%
5	80	8%	10%
6	87	8%	-2%
7	87	-2%	-8%
8	80	-11%	-4%
9	78	-17%	9%
10	60	-12%	22%
11	58	-2%	26%
12	76	6%	15%
13	82	13%	2%
14	79	9%	-7%
15	71	6%	-25%
16	78	-6%	-12%



## 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°
4448	4518	4597	4686	4777	4870	4977	5113	5306	5591	6041	6746	7710	8703	9171	7667	2019	72	3	4
100%	102%	103%	105%	107%	109%	112%	115%	119%	126%	136%	152%	173%	196%	206%	172%	45%	2%	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°
4448	4433	4469	4539	4634	4741	4854	4980	5134	5335	5617	6038	6615	7375	8240	8502	4479	154	5	4
100%	100%	100%	102%	104%	107%	109%	112%	115%	120%	126%	136%	149%	166%	185%	191%	101%	3%	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°
4448	4422	4407	4401	4396	4383	4358	4320	4267	4206	4119	3964	3648	3090	2325	1048	191	27	6	6
100%	99%	99%	99%	99%	99%	98%	97%	96%	95%	93%	89%	82%	69%	52%	24%	4%	1%	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°
4448	4436	4462	4492	4524	4559	4599	4646	4701	4775	4863	4904	4776	4450	3831	1576	148	9	6	7
100%	100%	100%	101%	102%	103%	103%	104%	106%	107%	109%	110%	107%	100%	86%	35%	3%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,9°	158,1°	163,4°	60,2%	33,6%

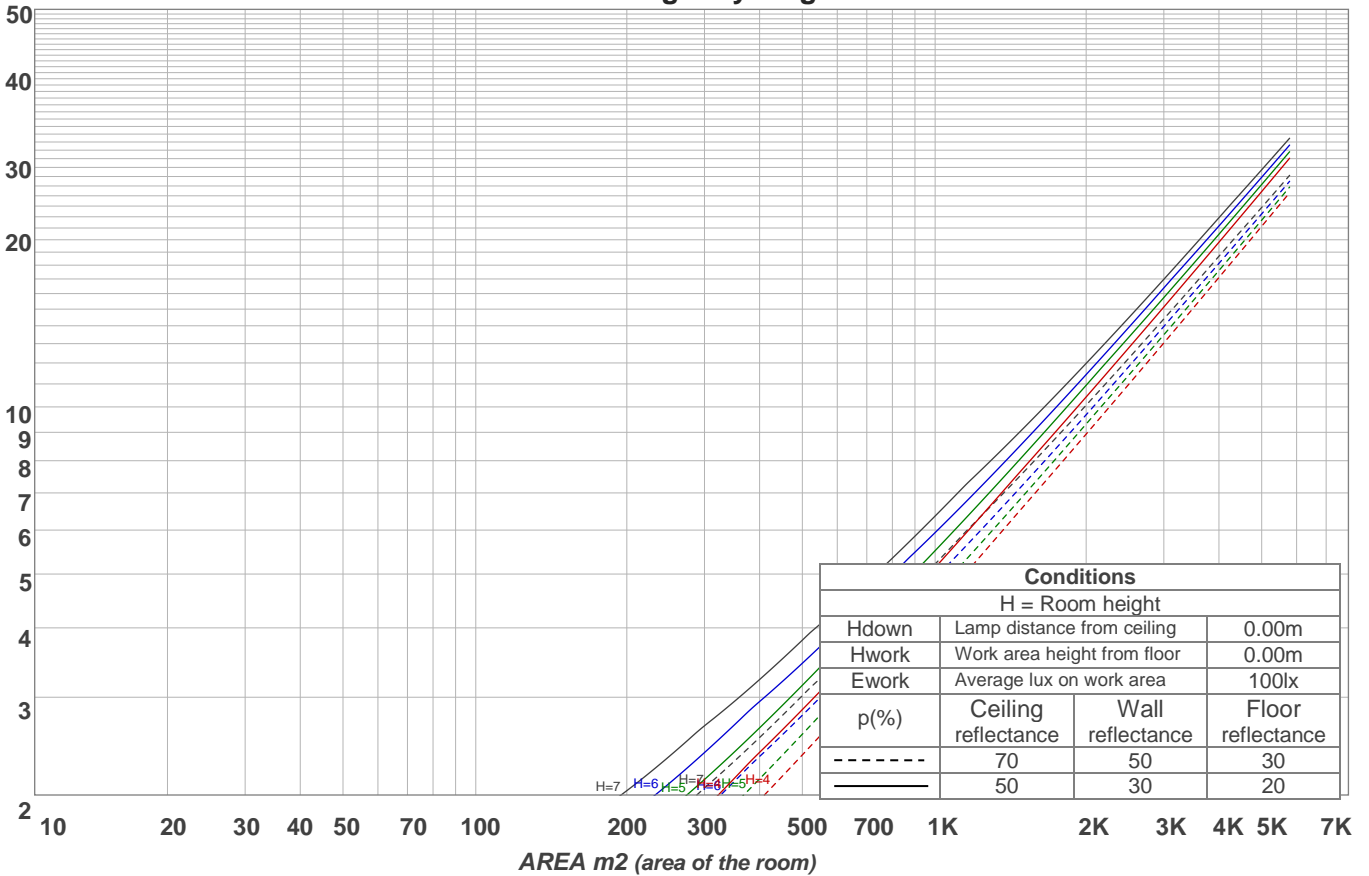
# Light planning

## 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	106	100	95	90	103	98	93	89	93	89	86	89	86	83	86	83	80	78			
2	94	84	75	68	91	82	74	67	78	71	65	74	69	64	71	66	62	60			
3	83	71	61	53	81	69	60	52	66	58	51	63	56	50	60	54	49	47			
4	75	61	50	42	72	59	50	42	57	48	41	54	47	41	52	45	40	37			
5	68	53	43	35	66	52	42	35	50	41	34	47	40	34	45	39	33	31			
6	62	47	37	29	60	46	36	29	44	35	29	42	34	28	40	33	28	26			
7	57	42	32	25	55	41	32	25	39	31	25	38	30	24	36	29	24	22			
8	53	38	28	22	51	37	28	22	36	27	21	34	27	21	33	26	21	19			
9	49	34	25	19	48	34	25	19	33	25	19	31	24	19	30	24	19	17			
10	46	32	23	17	45	31	23	17	30	22	17	29	22	17	28	21	17	15			

LAMPS (number of lamps)

Luminaire budgetary diagram

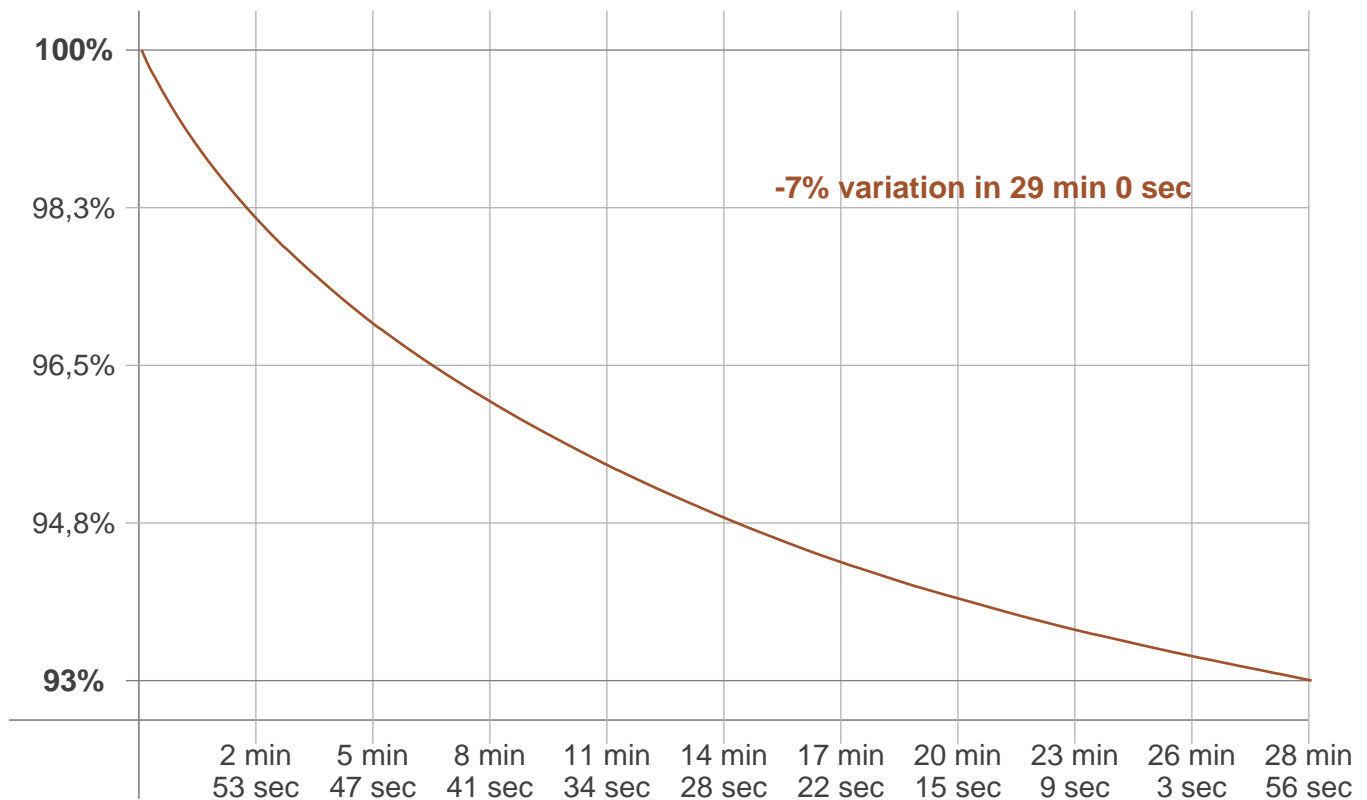


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
427 lm	1287 lm	2147 lm	2989 lm	3852 lm	4849 lm	5743 lm	4209 lm	263 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
6,00 lm	7,23 lm	7,01 lm	6,80 lm	6,29 lm	5,36 lm	4,09 lm	2,58 lm	0,897 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	29 min 0 sec
Warmup variation	-7,0%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
5149 K	+104 K	5253 K

### Output change

Output start	Output change	Output end
27705 lm	-1893 lm	25812 lm