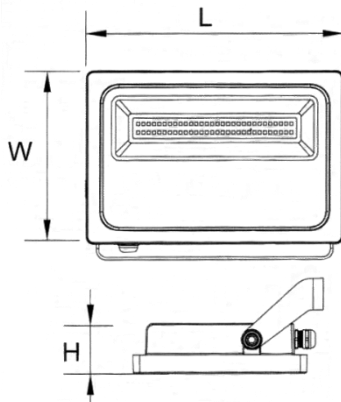




**Dimensiones (mm)**

**Largo (L): 380; Ancho (W): 313**  
**Alto (H): 62.**



**Código**

**ACUA-I-200W-5K**

**Descripción**

Luminaria tipo reflector, diseñada con módulos de LED. Para anclar en piso, poste o muro por medio del sujetador ubicado en la parte trasera. Compuesta en la parte interna por una pantalla en aluminio semi-especular y un difusor en vidrio templado.




**Materiales y acabado**

Cuerpo y disipador en aluminio inyectado. Sujetador fabricado en lámina de hierro. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

**Color**

Gris Oscuro.

**Características técnicas**

<b>LED</b>	 116°	 50,000h	<b>IP</b> 65	<b>IK</b> 08
<b>PF</b> 0,99	<b>THD</b> <15%	<b>°C</b> 0-55	<b>V</b> 90-265	

**Fuente de luz**

Módulos de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
200W	>80	5000	90	17757

**Características de fuente de luz**

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 197,3W.

Light efficiency:



Light quality:



Color temperature:



Output: 17757 lm

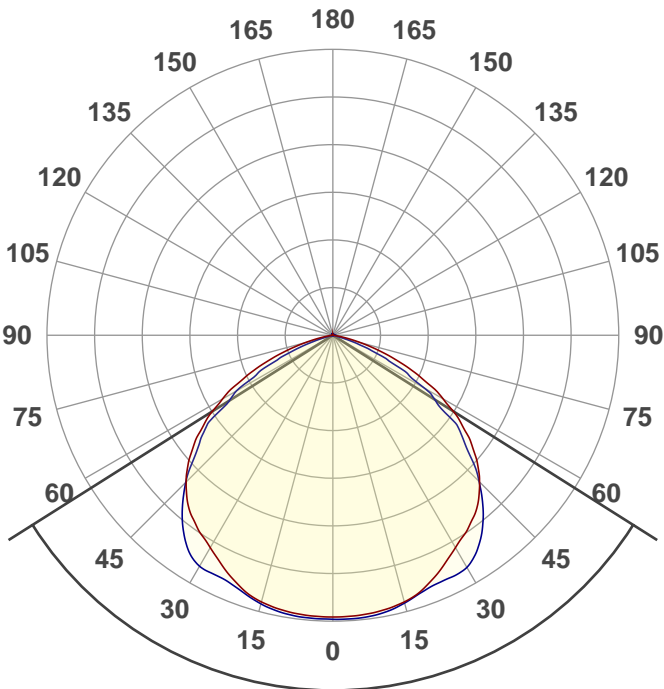
Peak: 6377 cd

Power: 197,3 W

PF: 0,99



Product name:  
E0447-ACUA-I-200W-5K



Beam angle **115,5°**



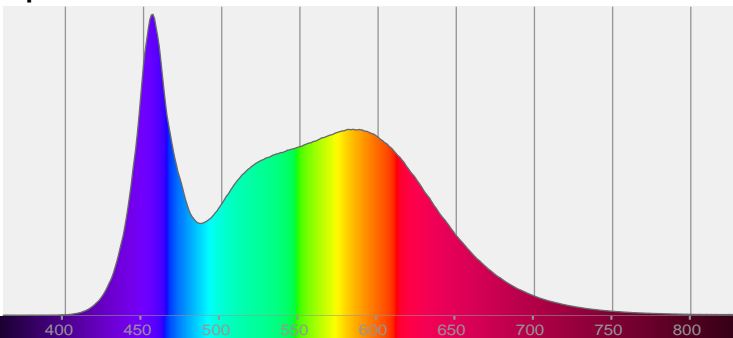
CIE 1931  
x: 0,337  
y: 0,348

THD Values:

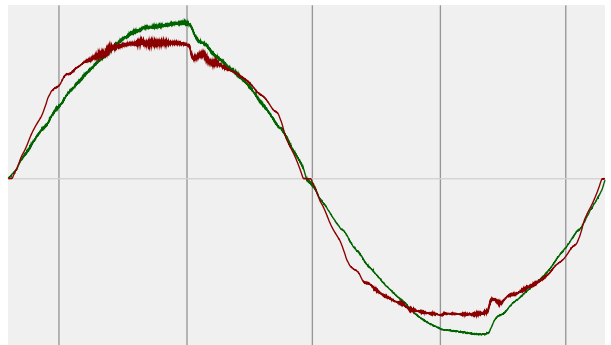
Voltage: 2,66%

Current: 10,47%

Spectra



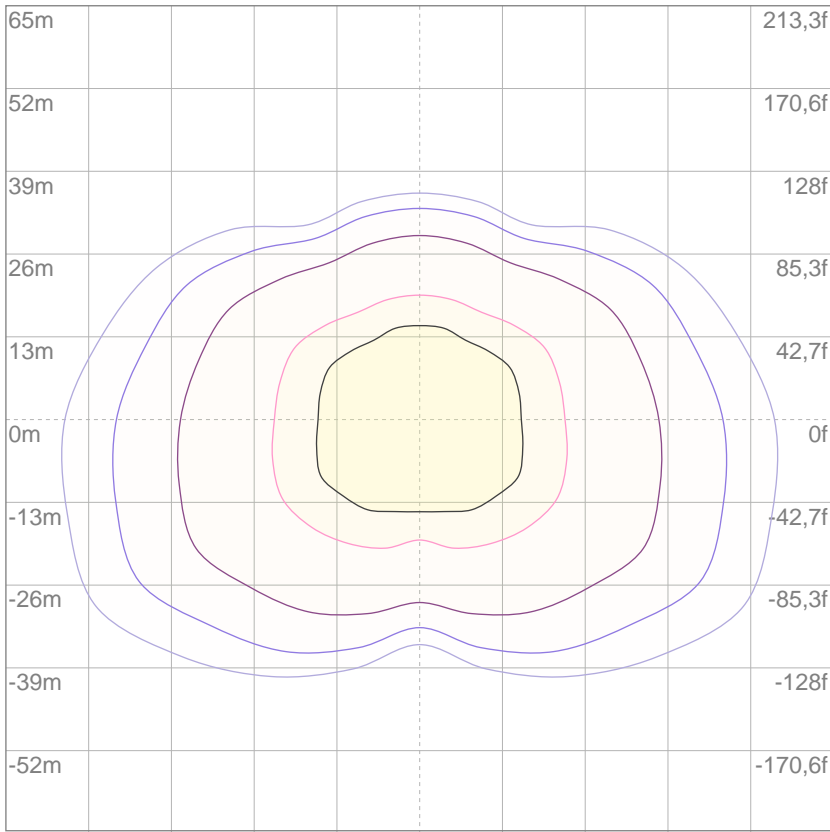
Power



Voltage: 118 V  
Current: 1,69 A  
Frequency: 60 Hz

# ISO Diagrams

## ISO lux diagram



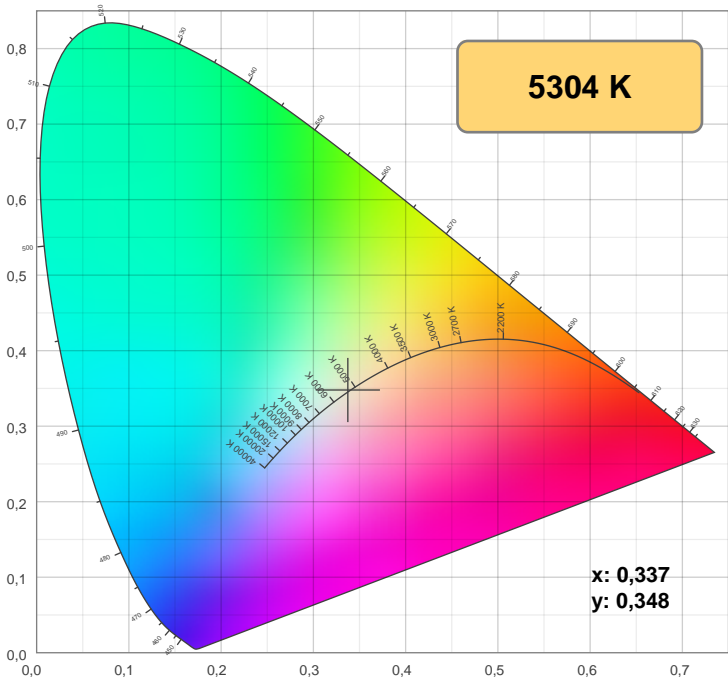
3%	1,90 lx
5%	3,17 lx
10%	6,33 lx
30%	19,0 lx
50%	31,7 lx

**Conditions:**  
 Number of c-planes: 12  
 Lux at center: 63,3 lx

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

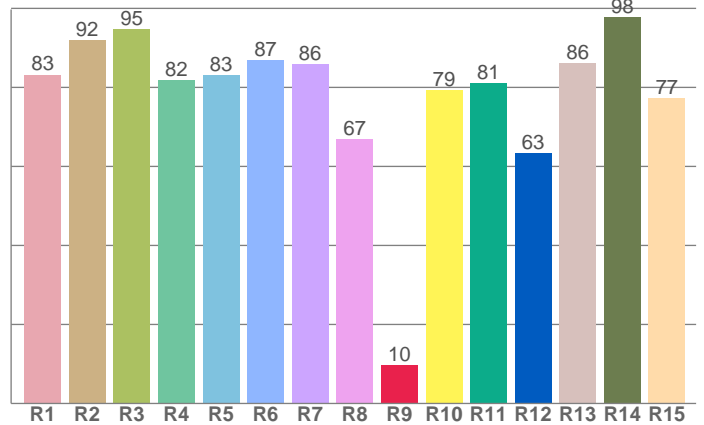
Mounting height: 10 meters (33 f)

## 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	91,9	94,7	81,9	83,1	86,9	85,9	67,0	9,8	79,2	81,1	63,4	86,3	97,7	77,4

## Color parameters

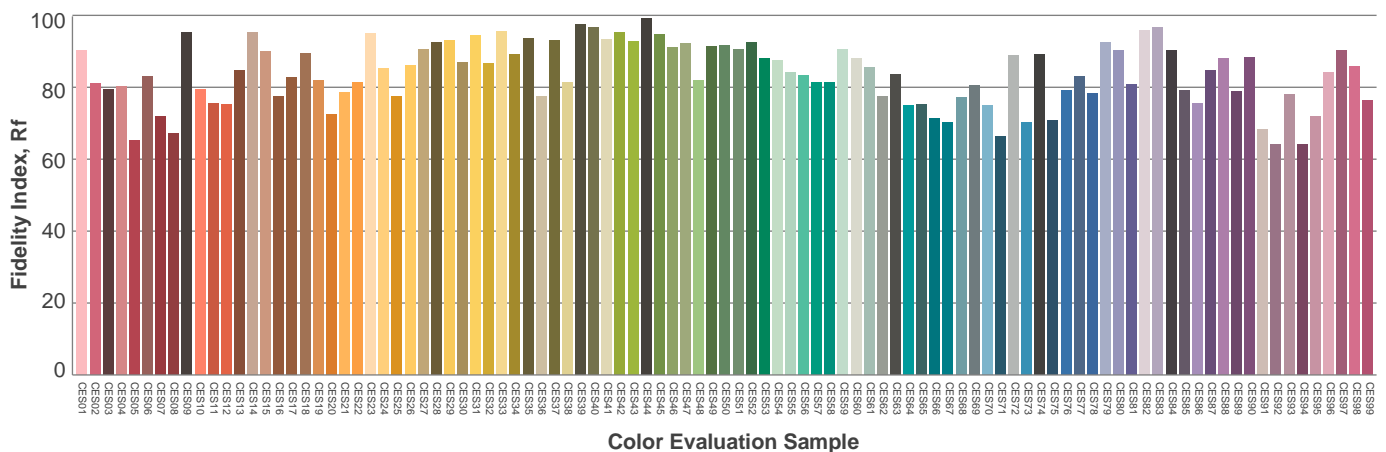
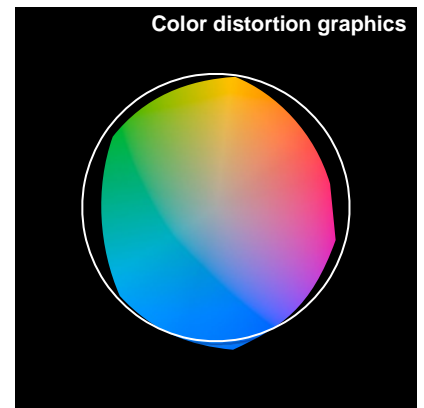
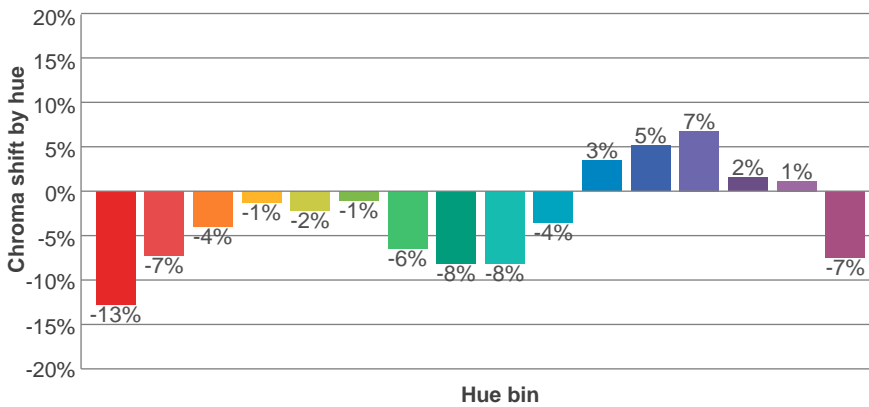
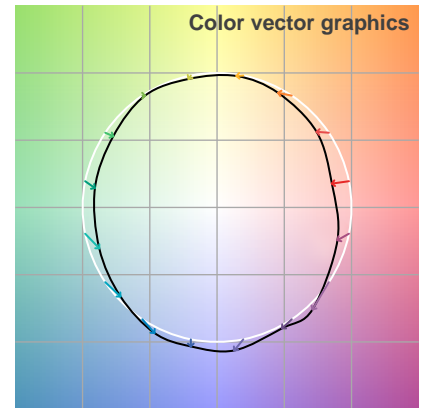
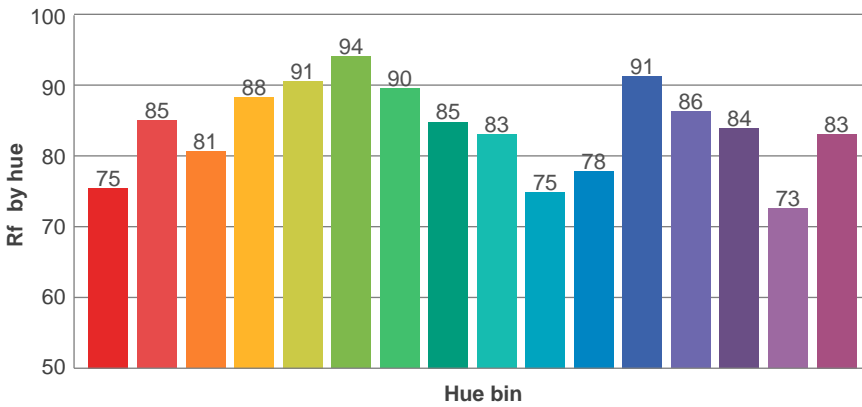
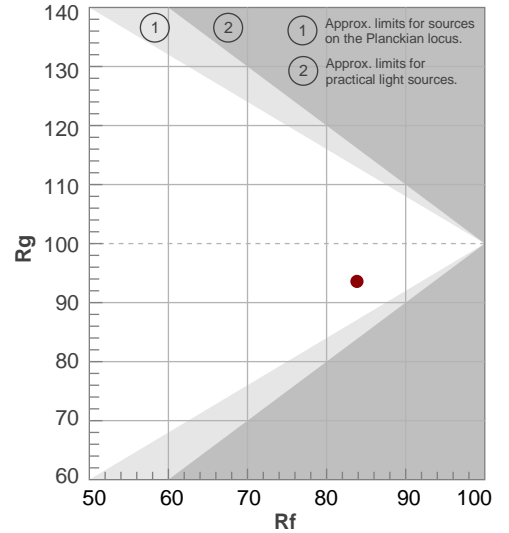
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
5304 K	84,3	9,8	83,8	93,6	81,1	0,337	0,348	0,208	0,321	0,0019

TM-30 details

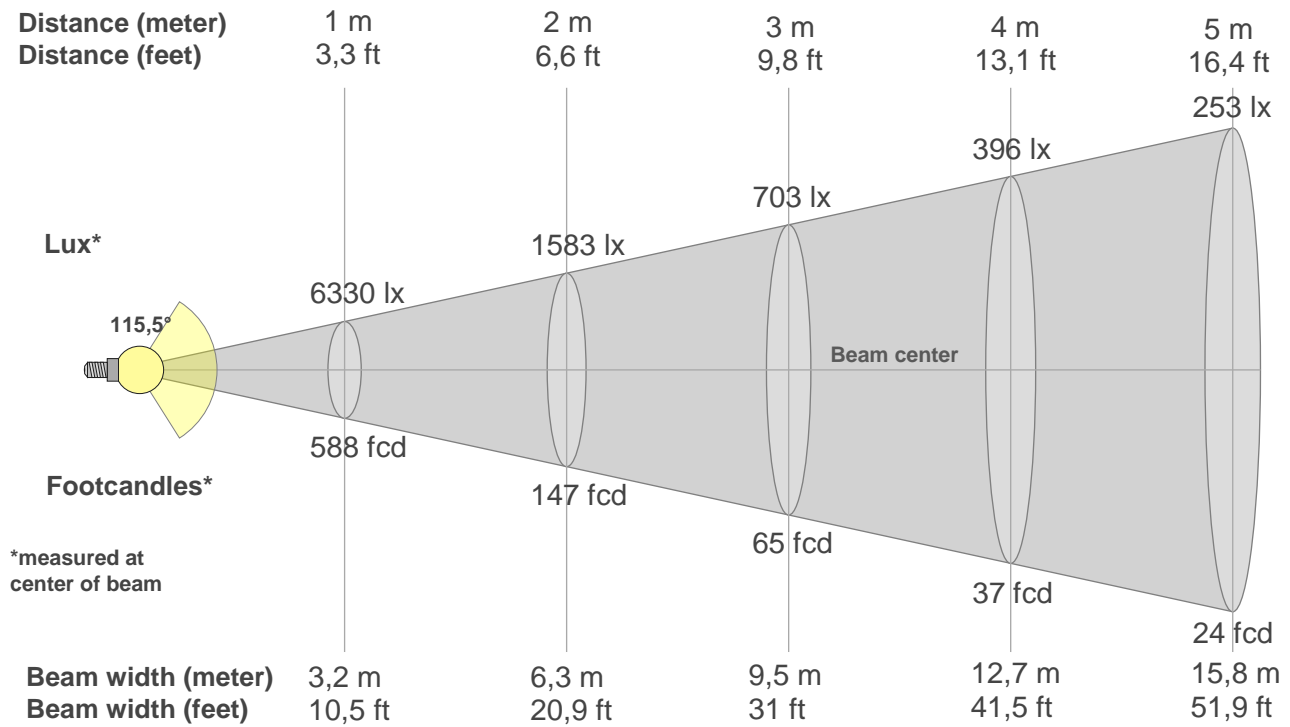
**Rf 83,8**  
Fidelity index Rf

**Rg 93,6**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	75	-13%	1%
2	85	-7%	6%
3	81	-4%	10%
4	88	-1%	5%
5	91	-2%	2%
6	94	-1%	-2%
7	90	-6%	-1%
8	85	-8%	4%
9	83	-8%	13%
10	75	-4%	15%
11	78	3%	13%
12	91	5%	1%
13	86	7%	-8%
14	84	2%	-10%
15	73	1%	-24%
16	83	-7%	-6%



## 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°
6330	6315	6275	6195	6025	5772	5504	5291	5036	4656	4165	3554	2860	2108	1338	645	180	12	4	4
100%	100%	99%	98%	95%	91%	87%	84%	80%	74%	66%	56%	45%	33%	21%	10%	3%	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°
6330	6376	6335	6222	6083	6041	6014	5723	5251	4642	3914	3193	2365	1457	709	119	11	4	1	2
100%	101%	100%	98%	96%	95%	95%	90%	83%	73%	62%	50%	37%	23%	11%	2%	0%	0%	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°
6330	6315	6275	6195	6025	5772	5504	5291	5036	4656	4165	3554	2860	2108	1338	645	180	12	4	4
100%	100%	99%	98%	95%	91%	87%	84%	80%	74%	66%	56%	45%	33%	21%	10%	3%	0%	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°
6330	6366	6334	6241	6088	5992	5984	5731	5261	4670	3965	3396	2500	1581	767	114	11	3	1	2
100%	101%	100%	99%	96%	95%	95%	91%	83%	74%	63%	54%	39%	25%	12%	2%	0%	0%	0%	0%

<b>Beam angle 50%</b>	<b>Field angle 10%</b>	<b>Cutoff angle 2,5%</b>	<b>Intensity ratio in 120° cone</b>	<b>Intensity ratio in 90° cone</b>
<b>115,5°</b>	<b>146,8°</b>	<b>156°</b>	<b>85,8%</b>	<b>57,9%</b>

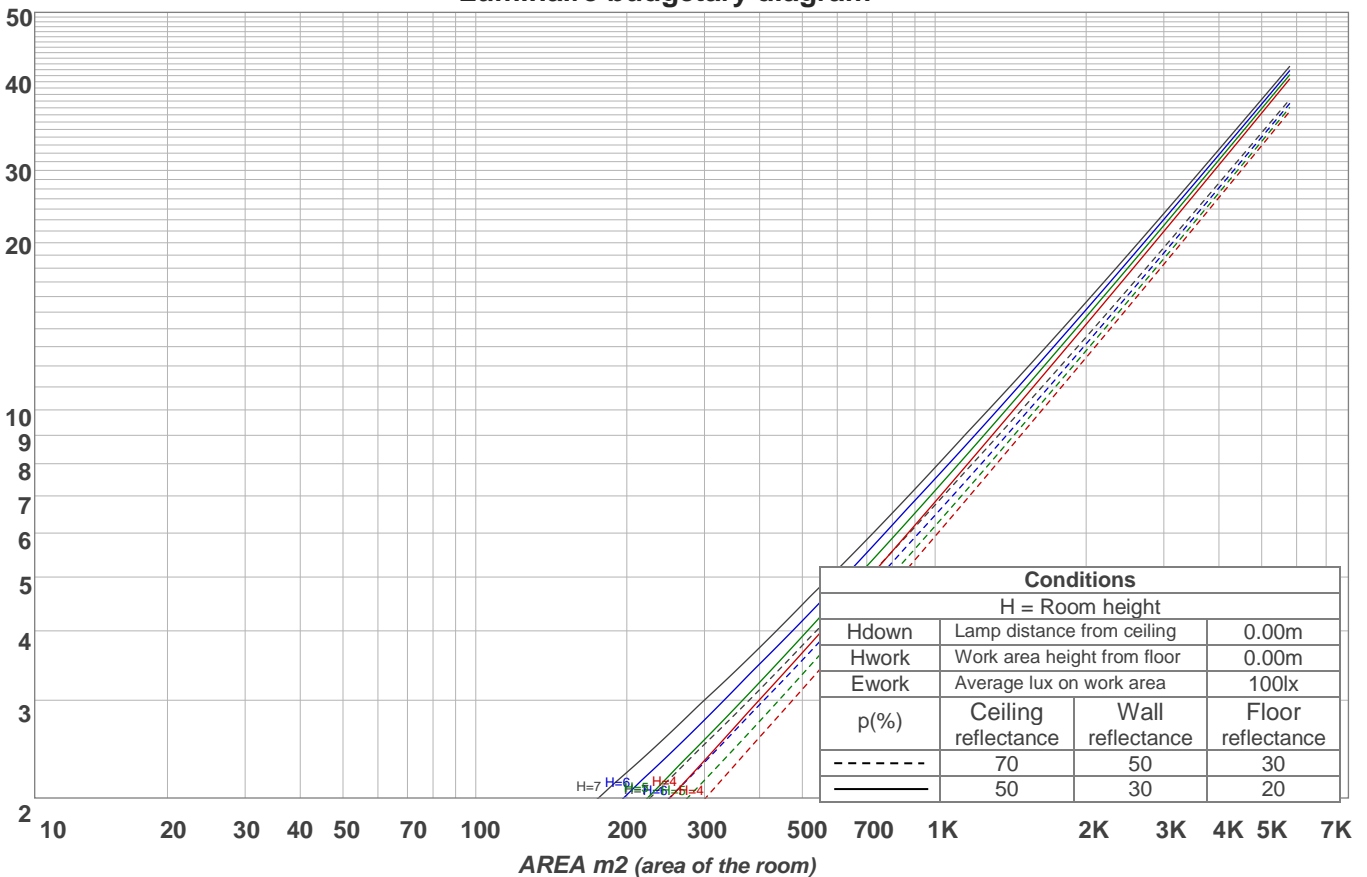
# Light planning

## 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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73			
3	92	82	75	68	90	81	74	68	78	72	67	75	70	65	72	68	64	62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			
6	72	59	50	44	70	58	49	44	56	49	43	54	48	43	53	47	42	40			
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	40	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	37	32	27	26			

### LAMPS (number of lamps)

### Luminaire budgetary diagram

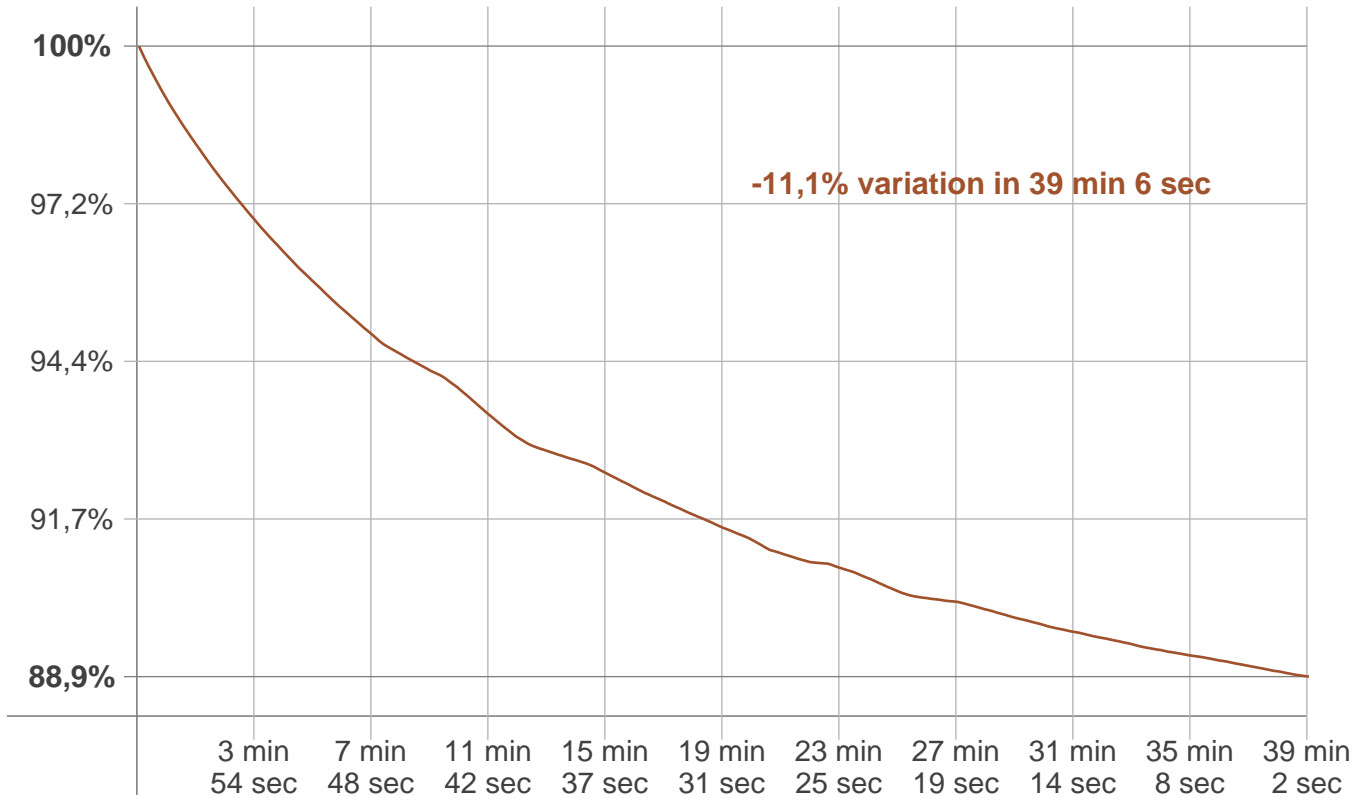


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
603 lm	1751 lm	2709 lm	3403 lm	3614 lm	3146 lm	1934 lm	533 lm	25,0 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
3,70 lm	4,90 lm	5,65 lm	5,83 lm	5,60 lm	4,96 lm	3,98 lm	2,63 lm	0,937 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	39 min 6 sec
Warmup variation	-11,2%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
5169 K	+135 K	5304 K

### Output change

Output start	Output change	Output end
19940 lm	-2183 lm	17757 lm