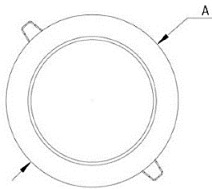




**Dimensiones (mm)**

**A: Ø230**  
**Altura: 2,9.**



**Corte: Ø210**

**Código**

**KT6617-LV-20W-5K**

**Descripción**

Luminaria tipo bala, diseñada con módulo de LED integrado. Empotrada al techo por medio de sujetadores ubicados en los laterales. Compuesta por un difusor en acrílico opal.



**Materiales y acabado**

Sujetadores en hierro, recubiertos en plástico inyectado. Resortes en hierro con acabado galvanizado. Cuerpo y aro plástico inyectado.

**Color**

Blanco.

**Características técnicas**

<b>LED</b>	 116°	 50,000h	<b>IP 20</b>	<b>IK 02</b>
<b>PF 0,99</b>	<b>THD &lt;20%</b>	<b>°C 0-40</b>	<b>V 100-240</b>	<b>Hz 50/60</b>

**Fuente de luz**

Bala con módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
19,4W	>80	5000	110	2130

**Características de fuente de luz**

- Color temperatura disponible 5000K (luz día).

Light efficiency:



Light quality:



Color temperature:



Output: 2130 lm

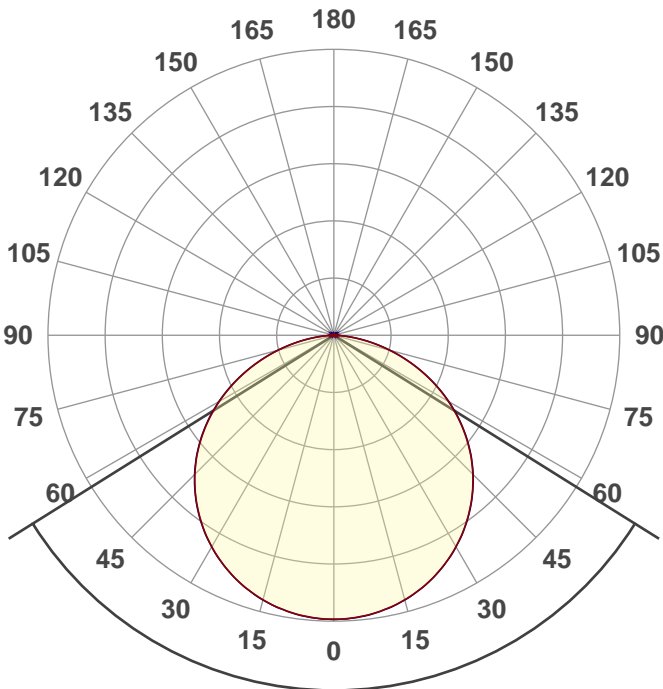
Peak: 720 cd

Power: 19,4 W

PF: 0,99



Product name:  
E0652-KT6617-LV-20W-5K



Beam angle **115,9°**



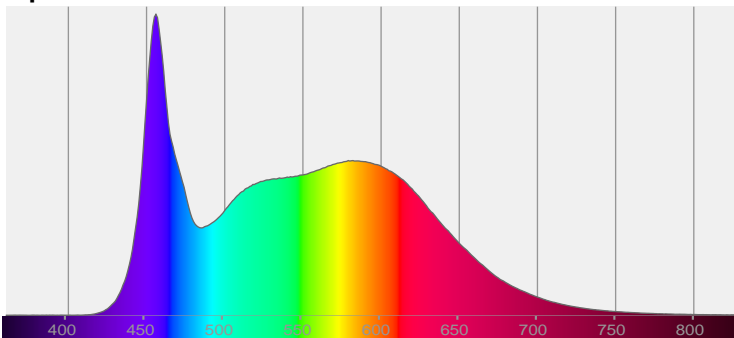
CIE 1931  
x: 0,335  
y: 0,349

THD Values:

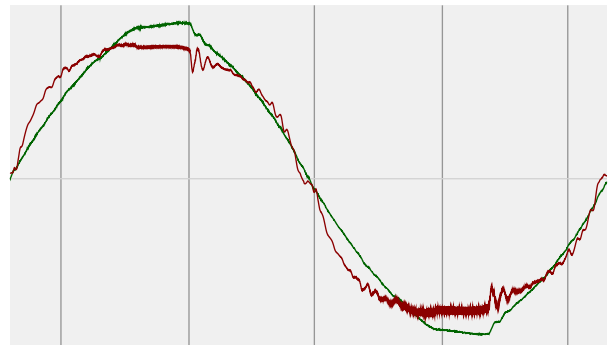
Voltage: 2,32%

Current: 14,15%

Spectra



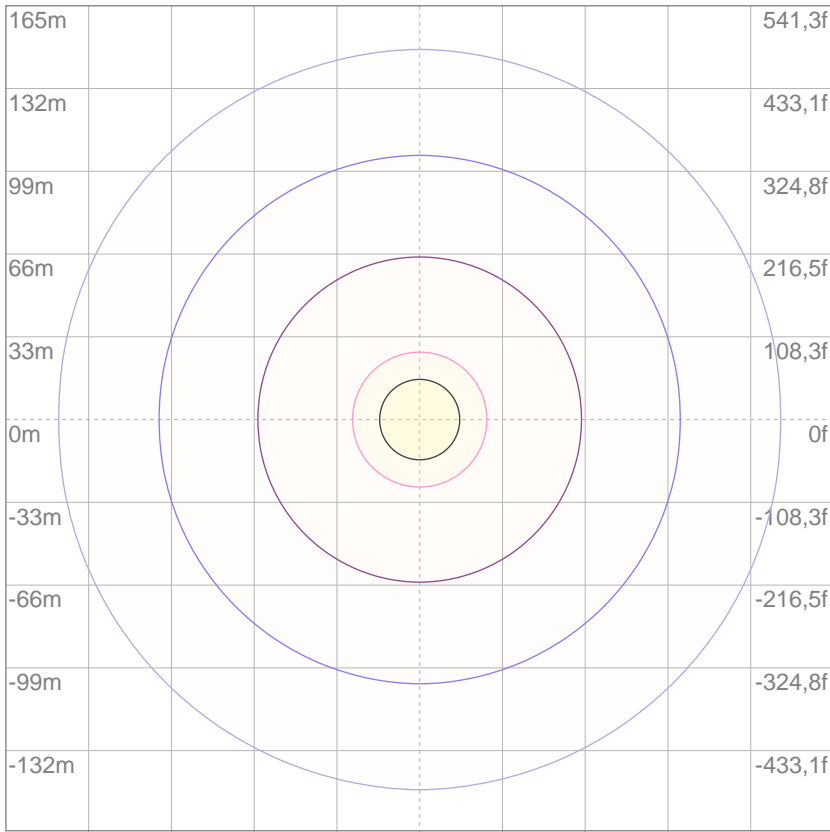
Power



Voltage: 112 V  
Current: 0,176 A  
Frequency: 60,2 Hz

# ISO Diagrams

## ISO lux diagram



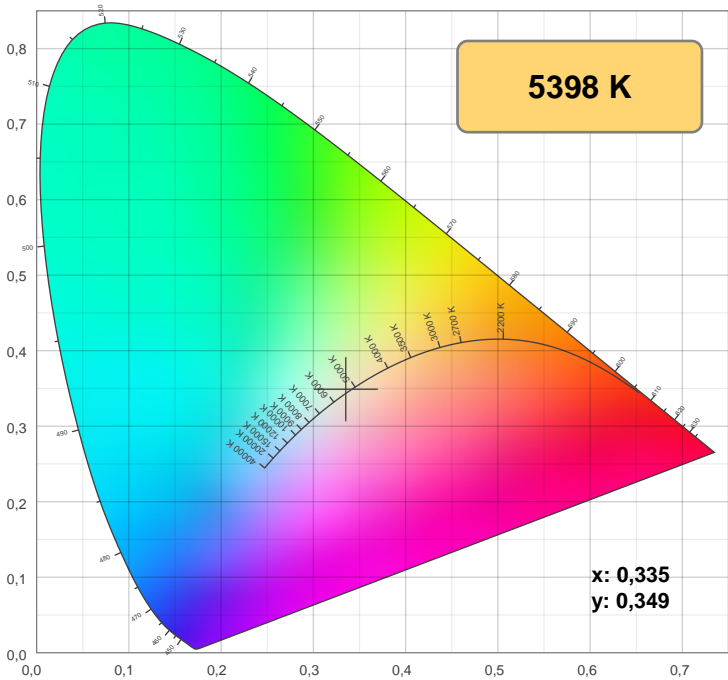
3%	0,216 lx
5%	0,360 lx
10%	0,719 lx
30%	2,16 lx
50%	3,60 lx

**Conditions:**  
 Number of c-planes: 4  
 Lux at center: 7,19 lx

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

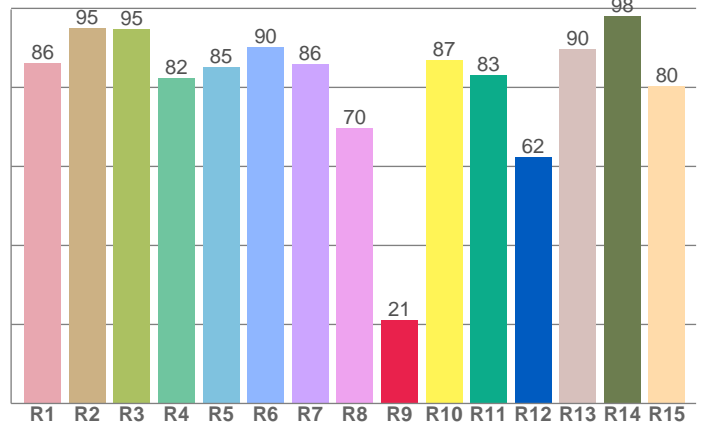
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 86,2 (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
86,1	95,1	94,9	82,5	85,1	90,2	85,8	69,8	21,2	87,0	83,1	62,3	89,7	97,9	80,2

## Color parameters

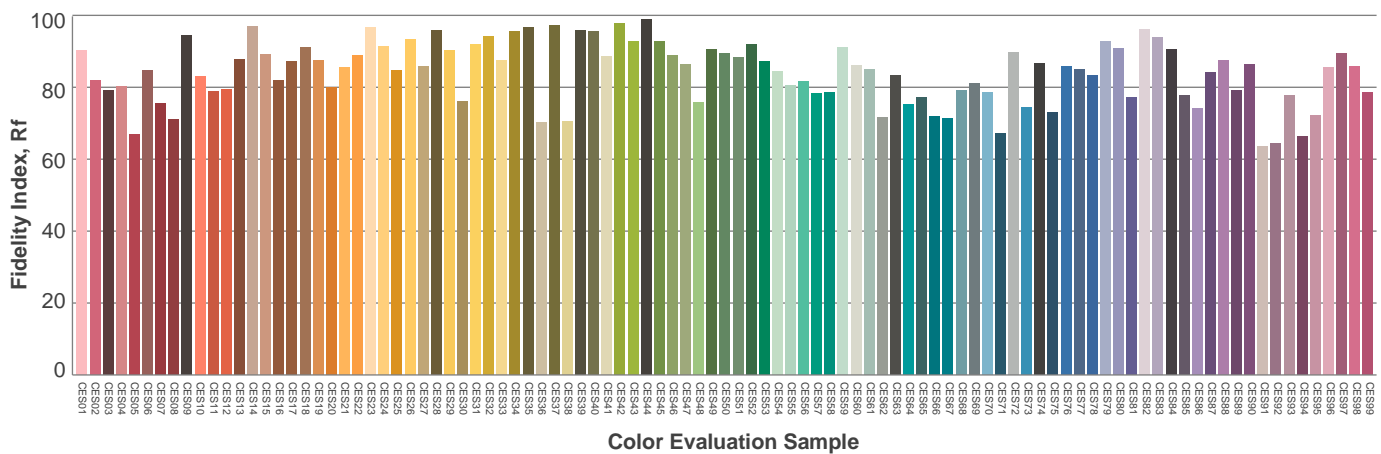
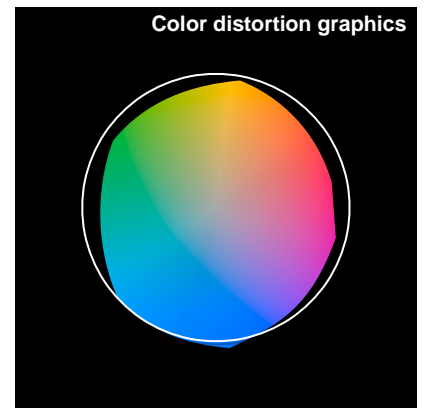
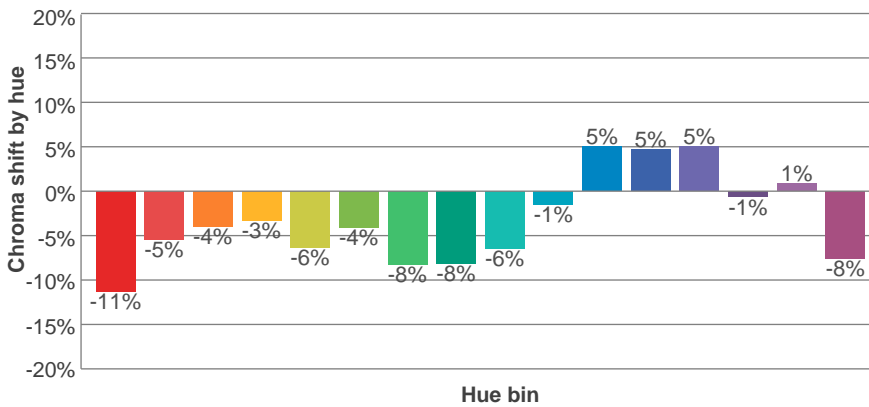
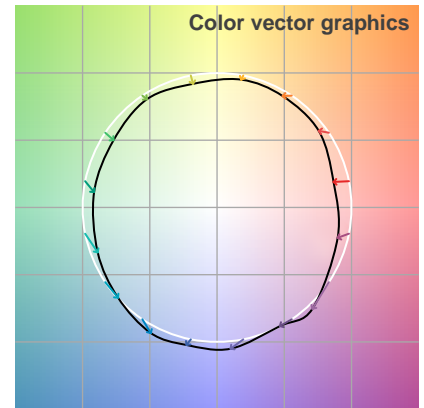
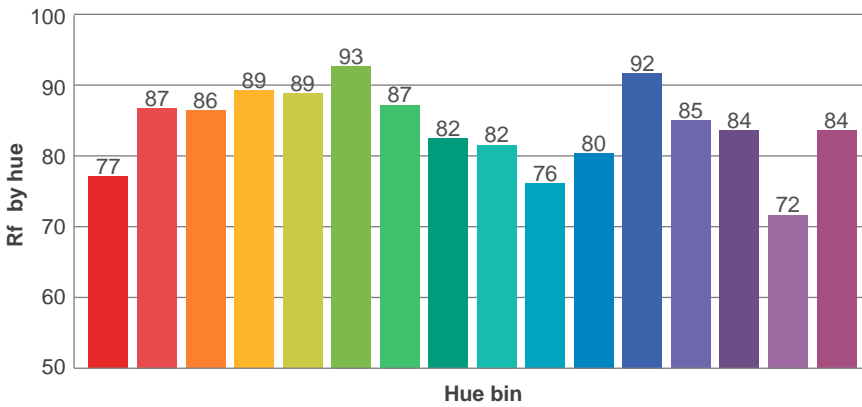
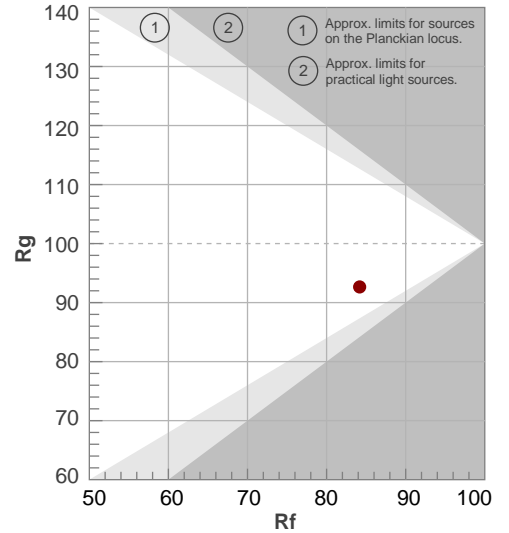
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
5398 K	86,2	21,2	84,2	92,7	83,5	0,335	0,349	0,206	0,321	0,0004

TM-30 details

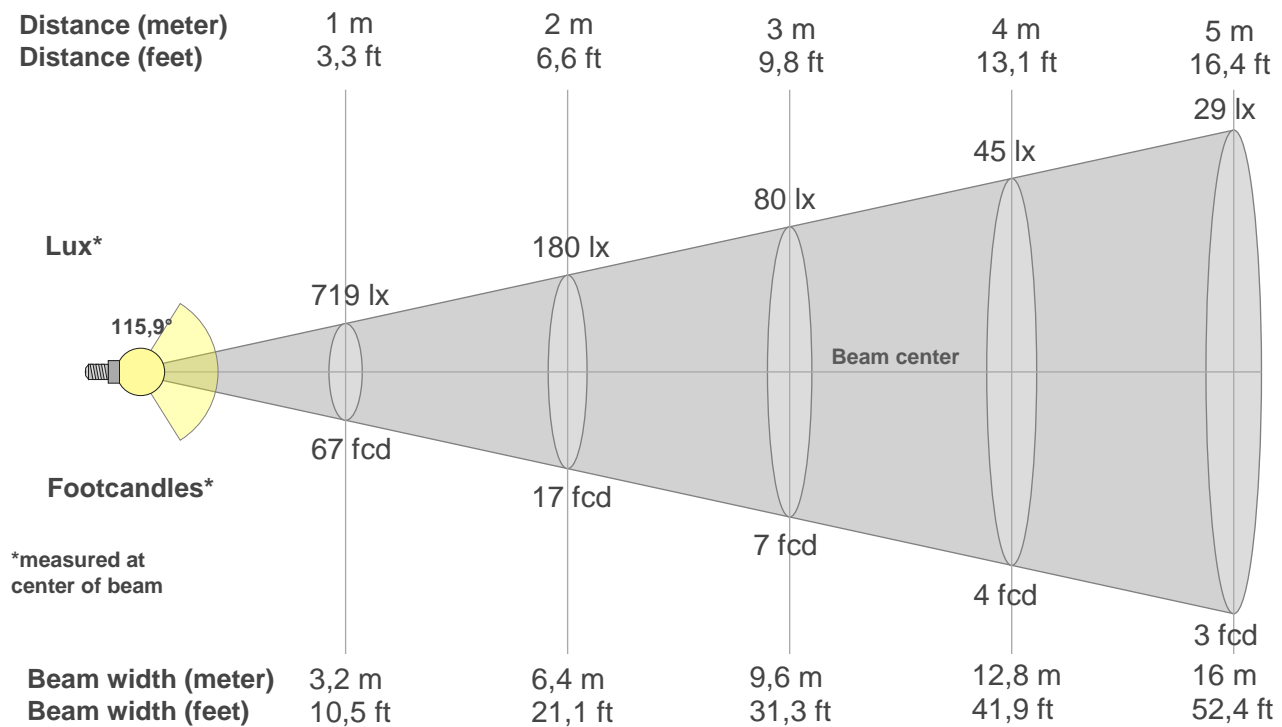
**Rf 84,2**  
Fidelity index Rf

**Rg 92,7**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	77	-11%	2%
2	87	-5%	5%
3	86	-4%	5%
4	89	-3%	1%
5	89	-6%	0%
6	93	-4%	-1%
7	87	-8%	1%
8	82	-8%	7%
9	82	-6%	15%
10	76	-1%	15%
11	80	5%	11%
12	92	5%	-2%
13	85	5%	-11%
14	84	-1%	-10%
15	72	1%	-23%
16	84	-8%	-5%



## 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°
719	716	708	694	674	649	618	583	543	498	448	393	335	273	210	146	86	31	0	0
100%	100%	98%	96%	94%	90%	86%	81%	75%	69%	62%	55%	47%	38%	29%	20%	12%	4%	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°
719	717	708	694	674	649	619	584	544	499	449	395	337	275	211	147	86	32	1	0
100%	100%	98%	96%	94%	90%	86%	81%	76%	69%	62%	55%	47%	38%	29%	20%	12%	4%	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°
719	716	708	694	674	649	618	583	543	498	448	393	335	273	210	146	86	31	0	0
100%	100%	98%	96%	94%	90%	86%	81%	75%	69%	62%	55%	47%	38%	29%	20%	12%	4%	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°
719	717	708	694	674	649	619	584	544	499	449	395	337	275	211	147	86	32	1	0
100%	100%	98%	96%	94%	90%	86%	81%	76%	69%	62%	55%	47%	38%	29%	20%	12%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,9°	162,4°	173°	78,1%	52,6%

# 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	22,4	23,7	22,7	24,0	24,2	22,5	23,7	22,7	24,0	24,2
	3H	23,9	25,2	24,3	25,5	25,7	24,0	25,2	24,4	25,5	25,7
	4H	24,6	25,8	25,0	26,1	26,3	24,6	25,8	25,0	26,1	26,4
	6H	25,1	26,2	25,4	26,4	26,8	25,1	26,2	25,4	26,5	26,8
	8H	25,2	26,3	25,6	26,6	27,0	25,2	26,3	25,6	26,6	27,0
4H	12H	25,3	26,3	25,6	26,6	27,1	25,3	26,3	25,7	26,6	27,1
	2H	23,1	24,3	23,5	24,6	24,8	23,1	24,3	23,5	24,6	24,8
	3H	24,9	25,9	25,3	26,2	26,7	24,9	25,9	25,3	26,2	26,7
	4H	25,6	26,5	26,0	26,9	27,5	25,6	26,5	26,0	26,9	27,5
	6H	26,1	27,0	26,6	27,4	27,7	26,1	27,0	26,6	27,4	27,8
8H	8H	26,3	27,1	26,8	27,5	27,9	26,3	27,1	26,8	27,5	27,9
	12H	26,4	27,1	26,9	27,5	28,0	26,4	27,1	26,9	27,5	28,0
	4H	25,9	26,7	26,4	27,0	27,4	25,9	26,7	26,4	27,1	27,4
	6H	26,6	27,2	27,1	27,6	28,2	26,6	27,2	27,1	27,7	28,2
	8H	26,8	27,4	27,3	27,9	28,5	26,9	27,4	27,4	27,9	28,6
12H	12H	27,0	27,4	27,6	27,9	28,6	27,0	27,5	27,6	28,0	28,6
	4H	25,9	26,5	26,4	27,0	27,4	25,9	26,6	26,4	27,0	27,5
	6H	26,6	27,2	27,2	27,7	28,3	26,7	27,2	27,2	27,7	28,4
	8H	26,9	27,4	27,5	27,9	28,5	26,9	27,4	27,5	27,9	28,5
	Variation of the observer position for the luminaire distance S										
S = 1.0H	0,1 / -0,1					0,1 / -0,1					
S = 1.5H	0,1 / -0,2					0,1 / -0,2					
S = 2.0H	0,4 / -0,5					0,4 / -0,5					
Standard table	n/a					n/a					
Correction summand	n/a					n/a					
Corrected glare indices referring to 2130 lm total luminous flux											

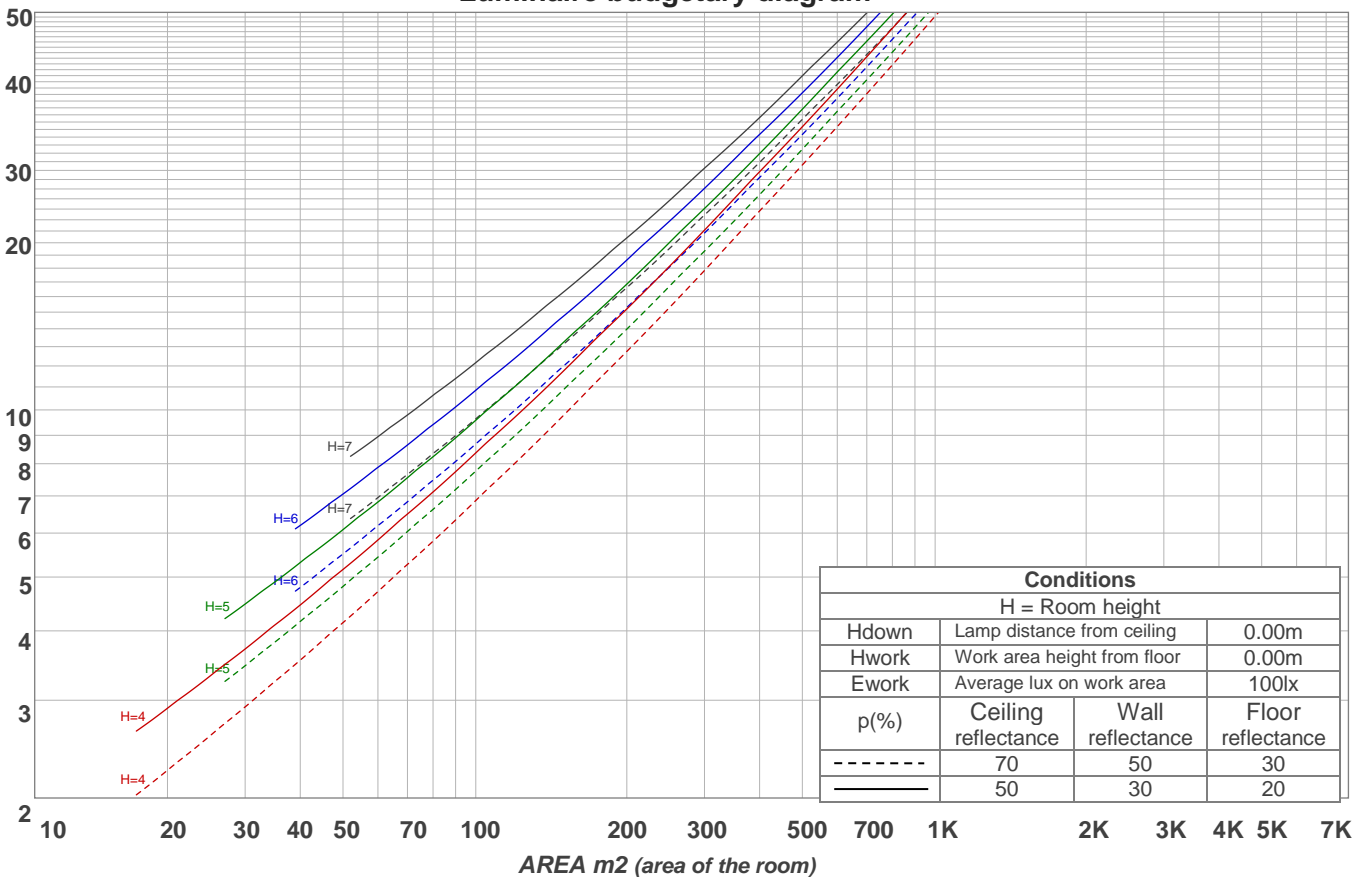
# Light planning

## 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	20	20	20
<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	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	87	85	83		
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58		
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49		
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42		
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37		
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33		
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29		
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24		

LAMPS (number of lamps)

### Luminaire budgetary diagram

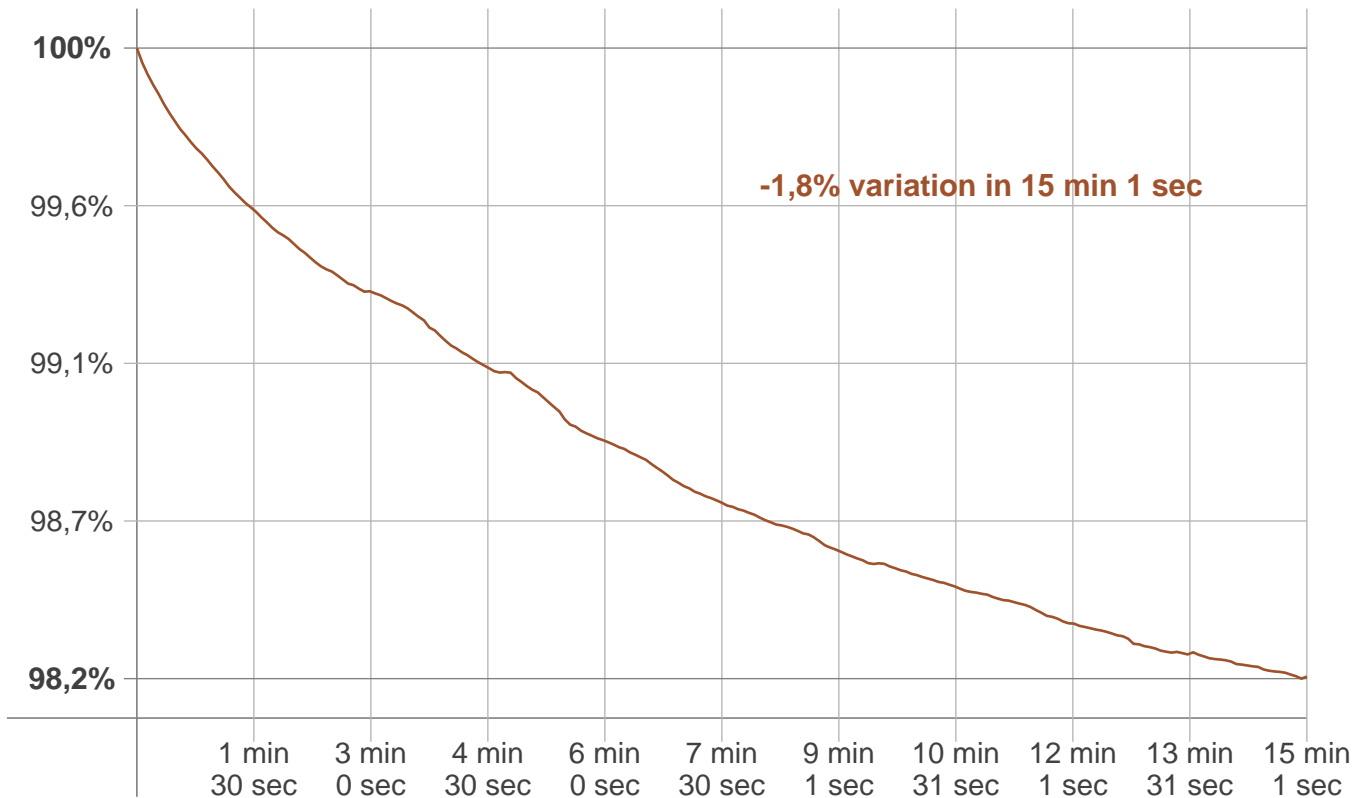


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
68,1 lm	196 lm	299 lm	365 lm	384 lm	352 lm	271 lm	155 lm	37,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,137 lm	0,205 lm	0,265 lm	0,326 lm	0,335 lm	0,302 lm	0,244 lm	0,165 lm	0,059 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	15 min 1 sec
Warmup variation	-1,8%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
5380 K	+18 K	5398 K

### Output change

Output start	Output change	Output end
2166 lm	-36 lm	2130 lm