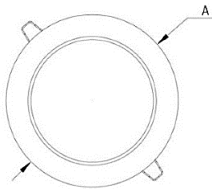




**Dimensiones (mm)**

**A: Ø230**  
**Altura: 2,9.**



**Corte: Ø210**

**Código**

**KT6617-LV-20W-4K**

**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</b> <b>20</b>	<b>IK</b> <b>02</b>
<b>PF</b> 0,99	<b>THD</b> 10%	<b>°C</b> 0-40	<b>V</b> 100-240	<b>Hz</b> 50/60

**Fuente de luz**

Bala con módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
18,1W	>80	4000	110	1985

**Características de fuente de luz**

- Color temperatura disponible 4000K (neutro).

Light efficiency:



Light quality:



Color temperature:



Output: 1985 lm

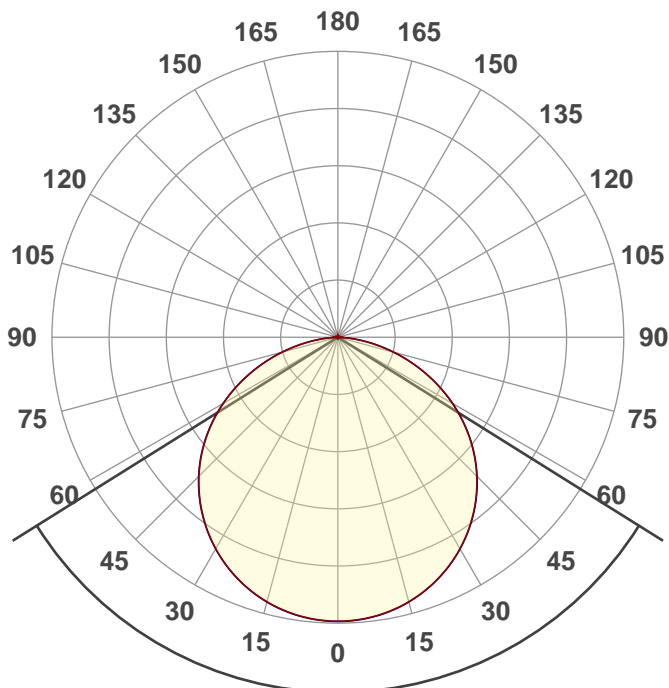
Peak: 671 cd

Power: 18,1 W

PF: 0,99



Product name:  
E0651-KT6617-LV-20W-4K



Beam angle **115,9°**



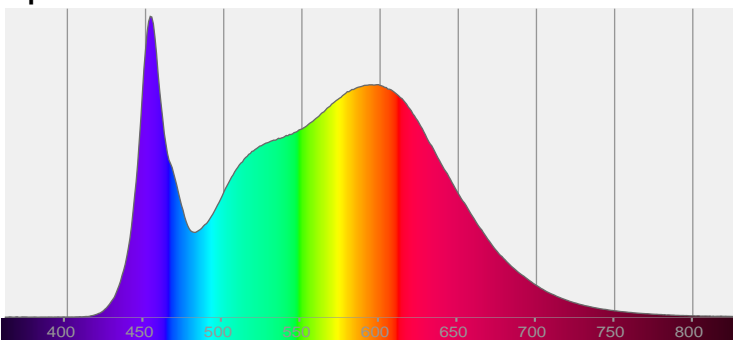
CIE 1931  
x: 0,373  
y: 0,374

THD Values:

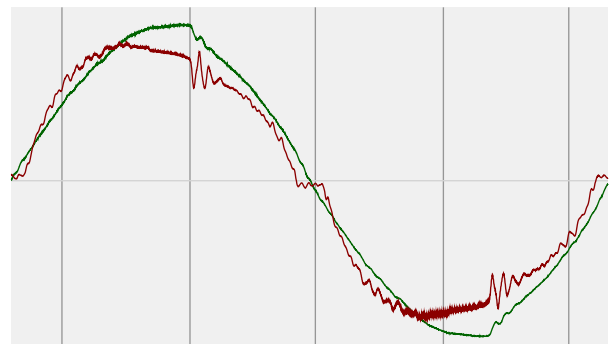
Voltage: 2,61%

Current: 10,04%

Spectra



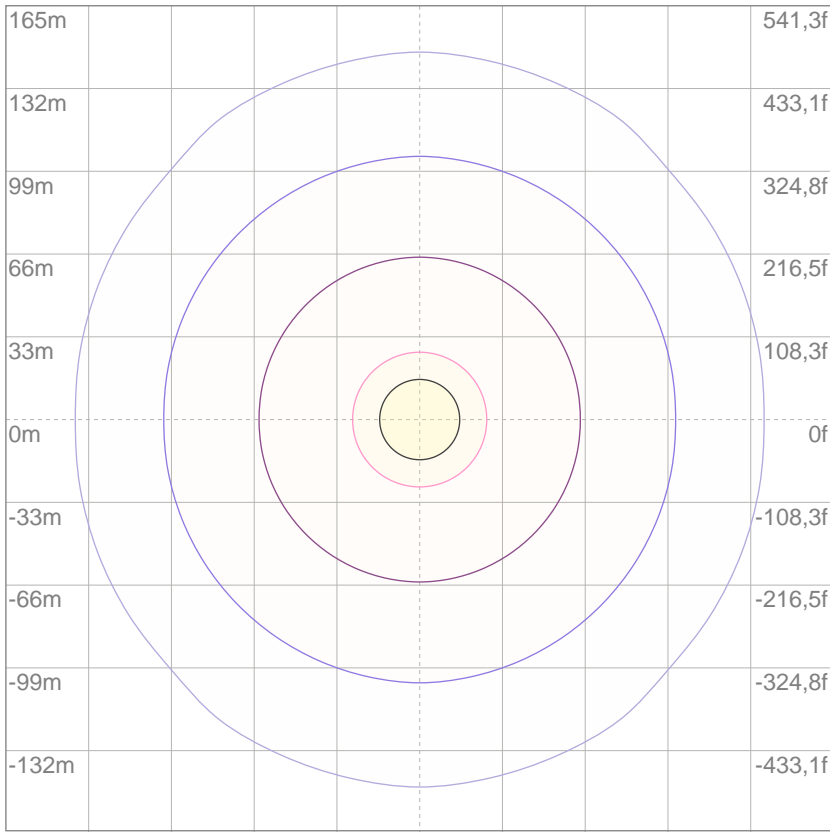
Power



Voltage: 115 V  
Current: 0,160 A  
Frequency: 60,1 Hz

# ISO Diagrams

## ISO lux diagram



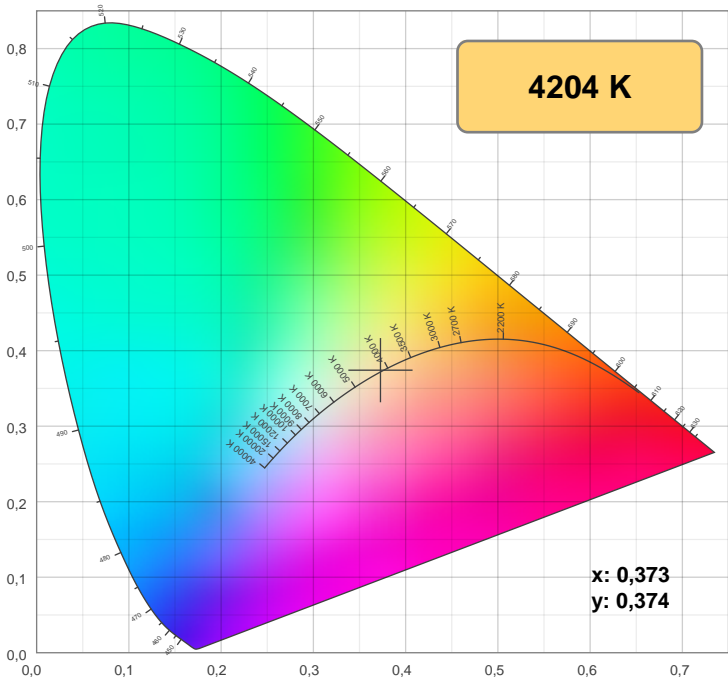
3%	0,201 lx
5%	0,335 lx
10%	0,670 lx
30%	2,01 lx
50%	3,35 lx

**Conditions:**  
 Number of c-planes: 4  
 Lux at center: 6,70 lx

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

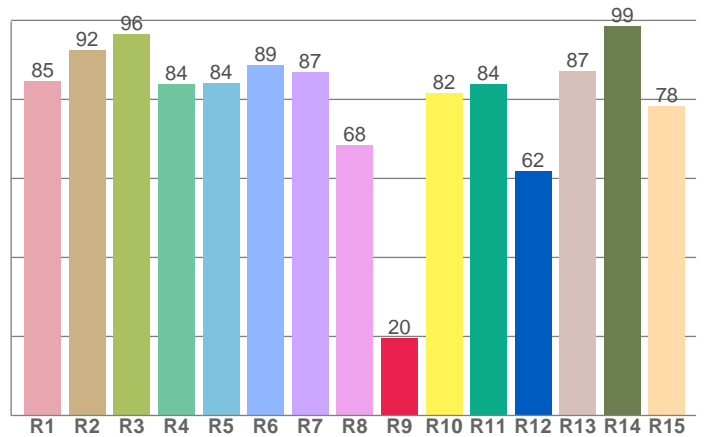
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 85,7 (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
84,7	92,5	96,5	83,8	84,2	88,7	87,0	68,5	19,7	81,6	83,8	61,8	87,2	98,6	78,2

## Color parameters

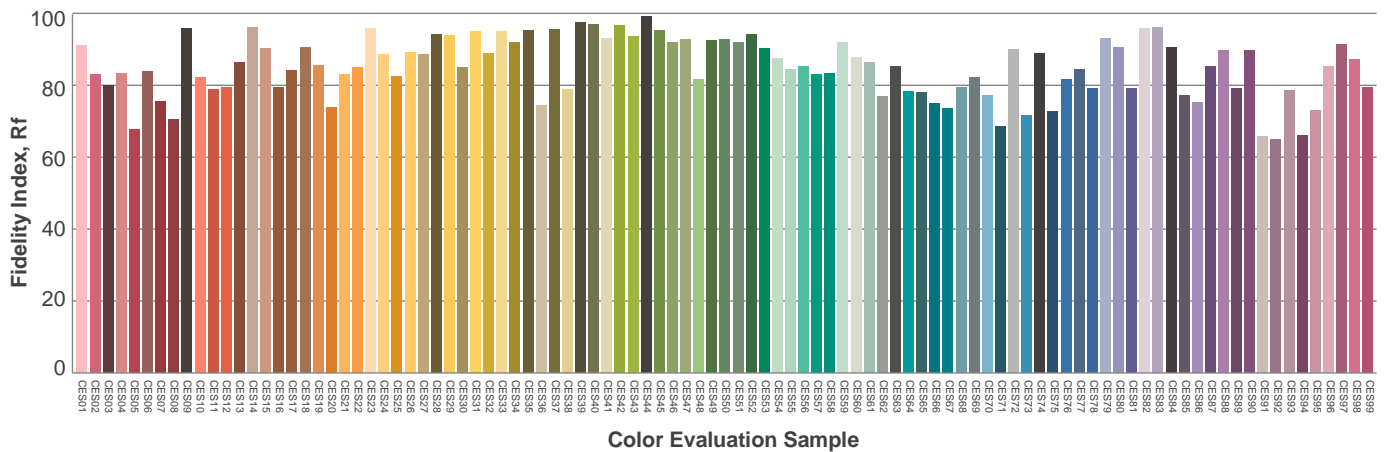
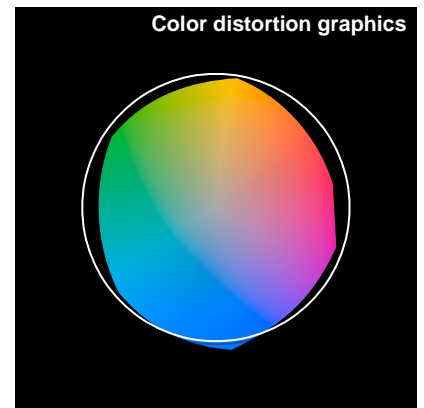
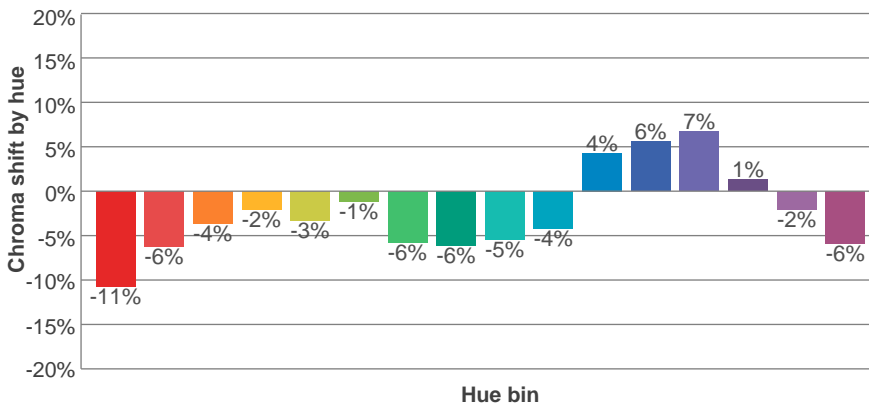
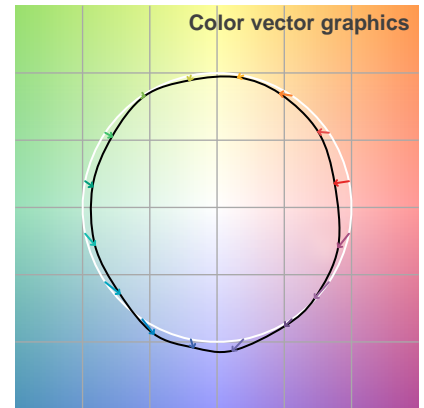
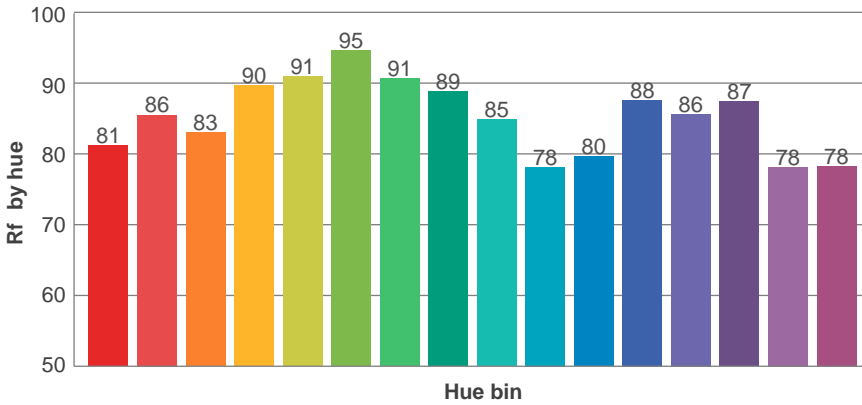
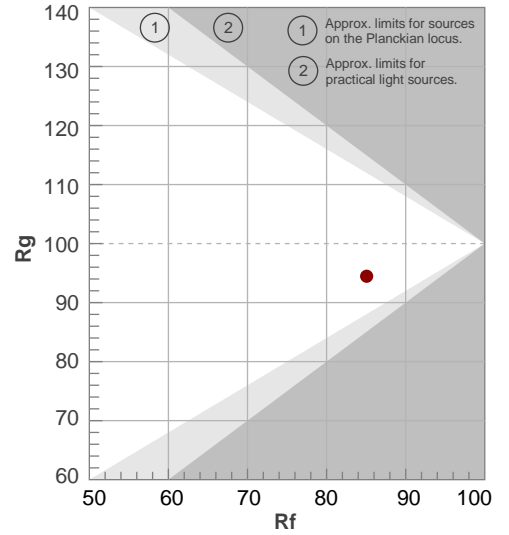
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4204 K	85,7	19,7	85,1	94,5	84,5	0,373	0,374	0,221	0,333	0,0011

TM-30 details

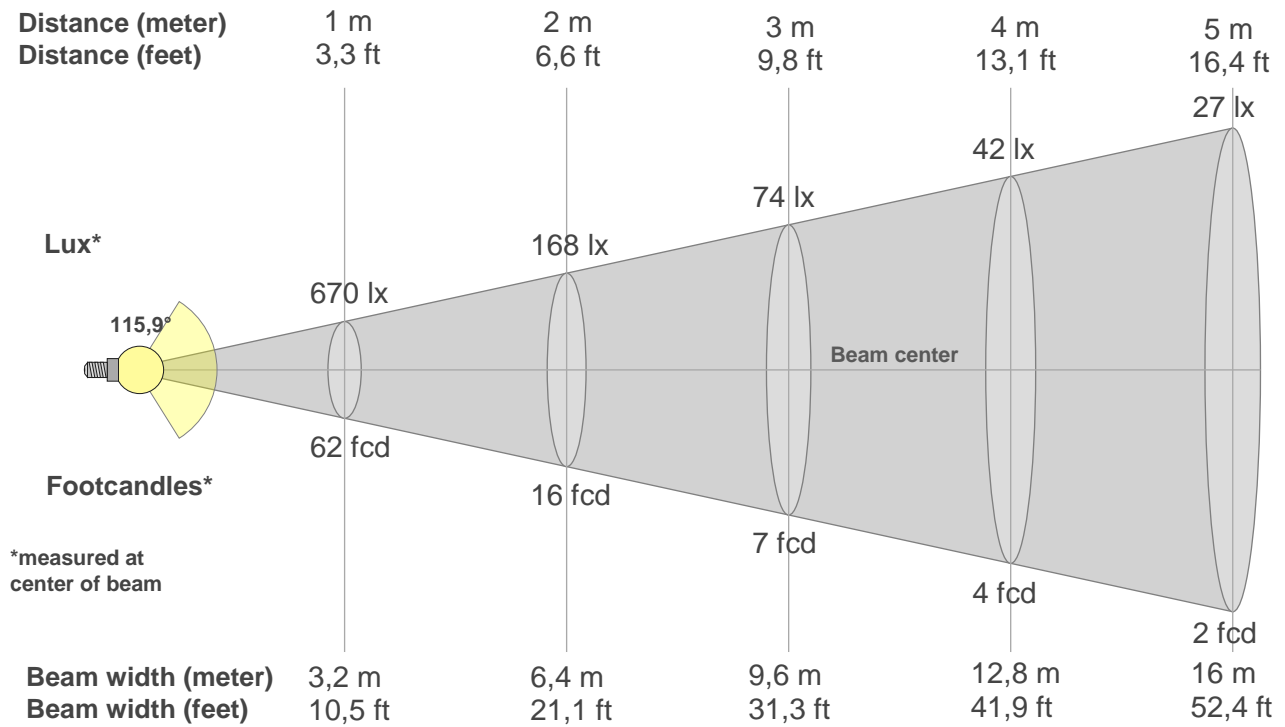
**Rf 85,1**  
Fidelity index Rf

**Rg 94,5**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	86	-6%	5%
3	83	-4%	8%
4	90	-2%	3%
5	91	-3%	2%
6	95	-1%	-1%
7	91	-6%	0%
8	89	-6%	3%
9	85	-5%	10%
10	78	-4%	13%
11	80	4%	13%
12	88	6%	3%
13	86	7%	-9%
14	87	1%	-7%
15	78	-2%	-16%
16	78	-6%	-11%



## 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°
670	667	659	646	628	605	576	543	506	464	417	366	312	254	195	136	79	28	1	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°
670	668	660	647	629	605	577	544	506	465	418	368	313	255	196	137	80	30	1	0
100%	100%	98%	97%	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°
670	667	659	646	628	605	576	543	506	464	417	366	312	254	195	136	79	28	1	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°
670	668	660	647	629	605	577	544	506	465	418	368	313	255	196	137	80	30	1	0
100%	100%	98%	97%	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°	162,3°	172,8°	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	22,2	23,4	22,4	23,7	24,0	22,2	23,4	22,4	23,7	24,0
	3H	23,7	25,0	24,1	25,3	25,5	23,7	25,0	24,1	25,3	25,5
	4H	24,3	25,5	24,7	25,8	26,1	24,3	25,6	24,8	25,8	26,1
	6H	24,8	25,9	25,2	26,2	26,6	24,9	25,9	25,2	26,2	26,6
	8H	25,0	26,0	25,3	26,3	26,7	25,0	26,0	25,3	26,3	26,7
	12H	25,0	26,0	25,4	26,3	26,8	25,0	26,0	25,4	26,4	26,8
4H	2H	22,8	24,0	23,2	24,3	24,6	22,8	24,0	23,2	24,3	24,6
	3H	24,6	25,6	25,0	26,0	26,4	24,6	25,7	25,0	26,0	26,4
	4H	25,3	26,2	25,8	26,7	27,2	25,3	26,2	25,8	26,7	27,2
	6H	25,9	26,7	26,4	27,1	27,5	25,9	26,8	26,4	27,1	27,5
	8H	26,0	26,8	26,5	27,2	27,6	26,1	26,9	26,6	27,2	27,6
	12H	26,1	26,8	26,6	27,2	27,7	26,2	26,8	26,6	27,3	27,7
8H	4H	25,6	26,4	26,1	26,8	27,2	25,6	26,4	26,1	26,8	27,2
	6H	26,3	26,9	26,8	27,4	27,9	26,3	26,9	26,8	27,4	28,0
	8H	26,6	27,1	27,1	27,6	28,3	26,6	27,1	27,1	27,7	28,3
	12H	26,7	27,2	27,3	27,7	28,3	26,7	27,2	27,3	27,7	28,3
12H	4H	25,6	26,3	26,1	26,7	27,2	25,6	26,3	26,1	26,7	27,2
	6H	26,4	26,9	26,9	27,4	28,1	26,4	26,9	26,9	27,5	28,1
	8H	26,7	27,1	27,2	27,6	28,2	26,7	27,1	27,3	27,6	28,3
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 1985 lm total luminous flux											

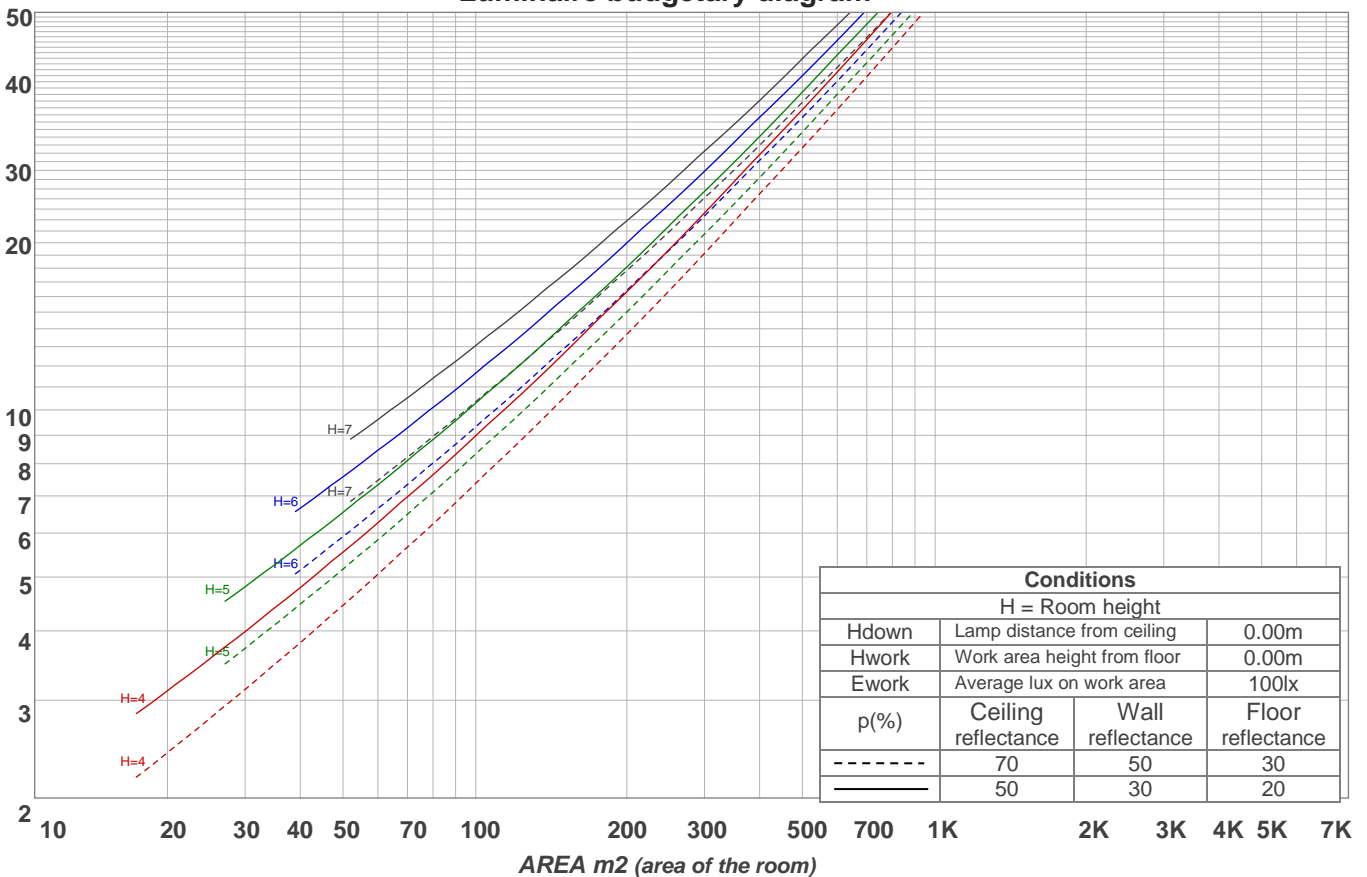
# Light planning

## 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	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	109	104	99	96	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	46	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

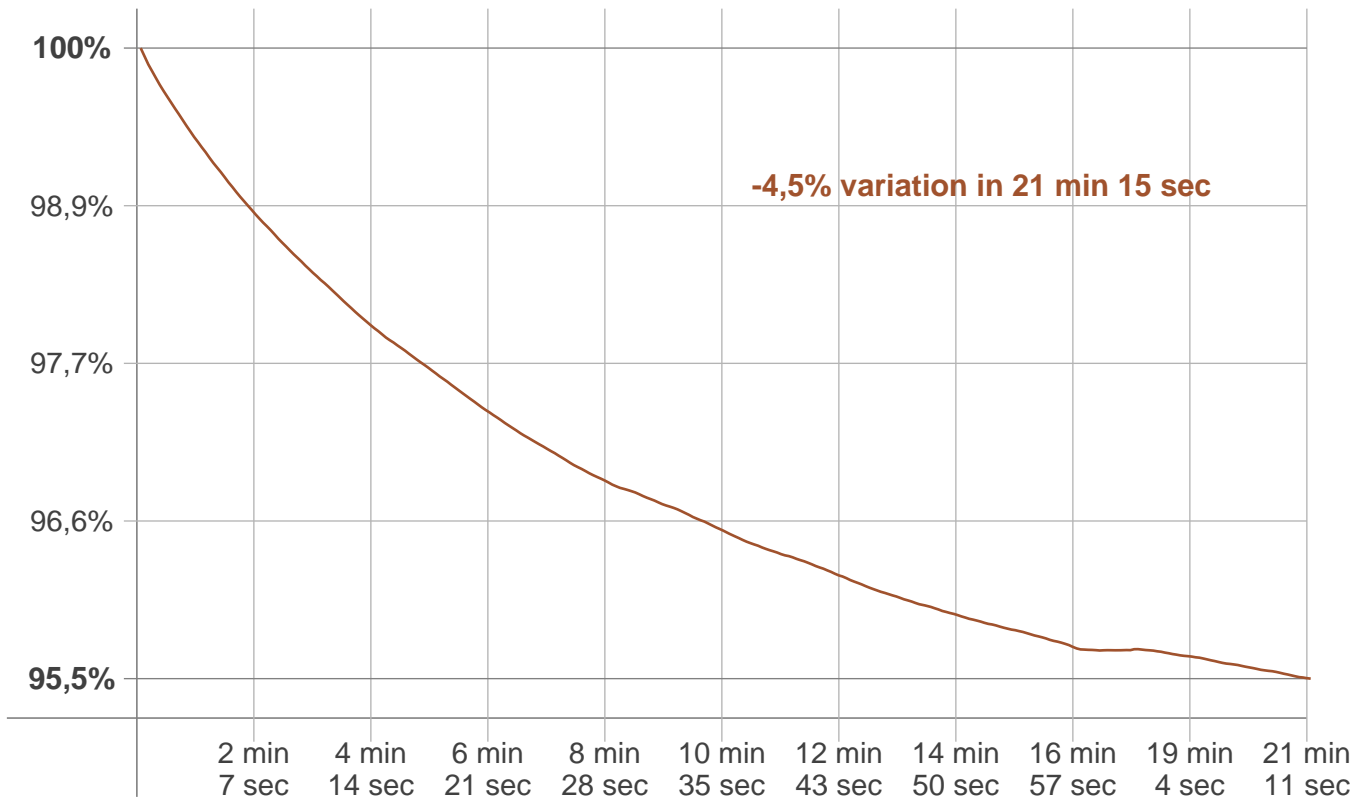


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
63,5 lm	183 lm	279 lm	340 lm	358 lm	328 lm	252 lm	144 lm	35,1 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,287 lm	0,323 lm	0,378 lm	0,414 lm	0,406 lm	0,374 lm	0,291 lm	0,189 lm	0,068 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	21 min 15 sec
Warmup variation	-4,6%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
4173 K	+31 K	4204 K

### Output change

Output start	Output change	Output end
2075 lm	-91 lm	1985 lm