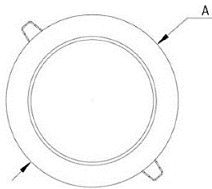




**Dimensiones (mm)**

**A:** Ø190  
**Altura:** 2,9.



**Corte:** Ø160

**Código**

**KT6617-LV-16W-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>	 113°	 50,000h	<b>IP</b> 20	<b>IK</b> 02
<b>PF</b> 0,99	<b>THD</b> <20%	<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
15,7W	>80	5000	112	1755

**Características de fuente de luz**

- Color temperatura disponible 5000K (luz día).

Light efficiency:



Light quality:



Color temperature:



Output: 1755 lm

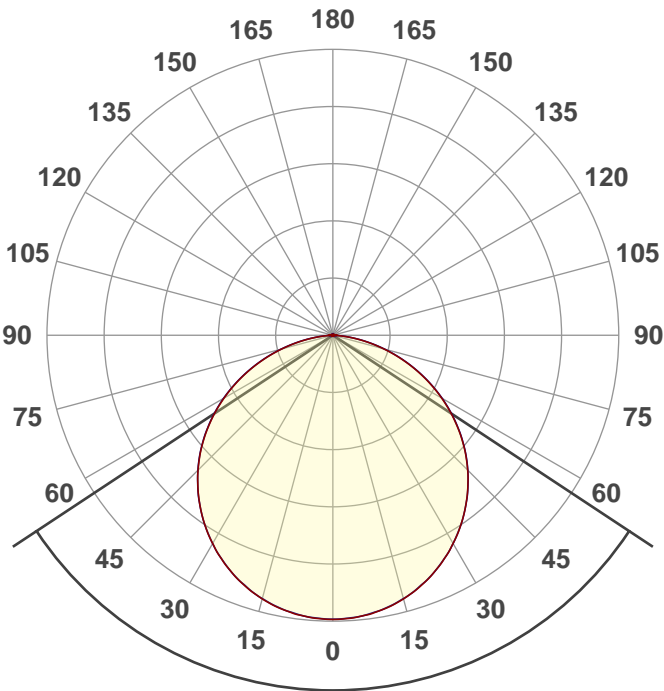
Peak: 614 cd

Power: 15,7 W

PF: 0,99



Product name:  
E0691-KT6617-LV-16W-5K



Beam angle **113,1°**



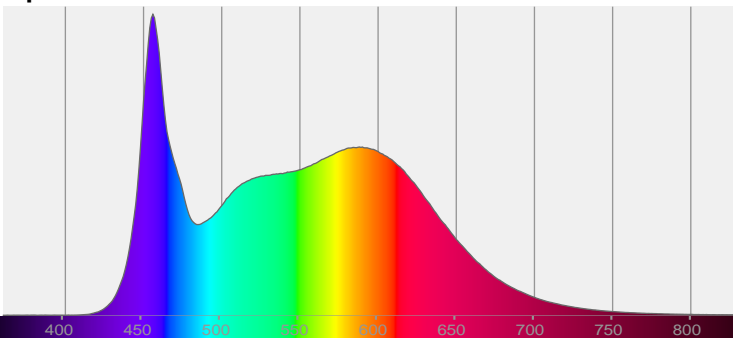
CIE 1931  
x: 0,342  
y: 0,353

THD Values:

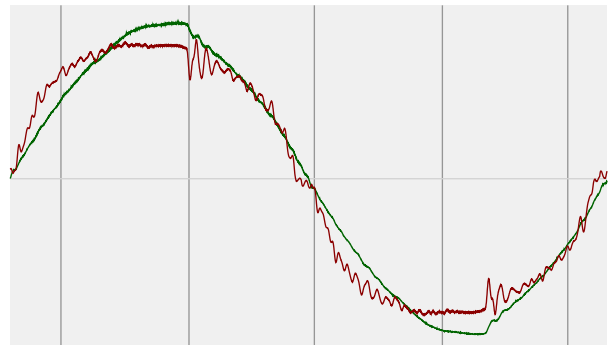
Voltage: 2,2%

Current: 12,63%

Spectra



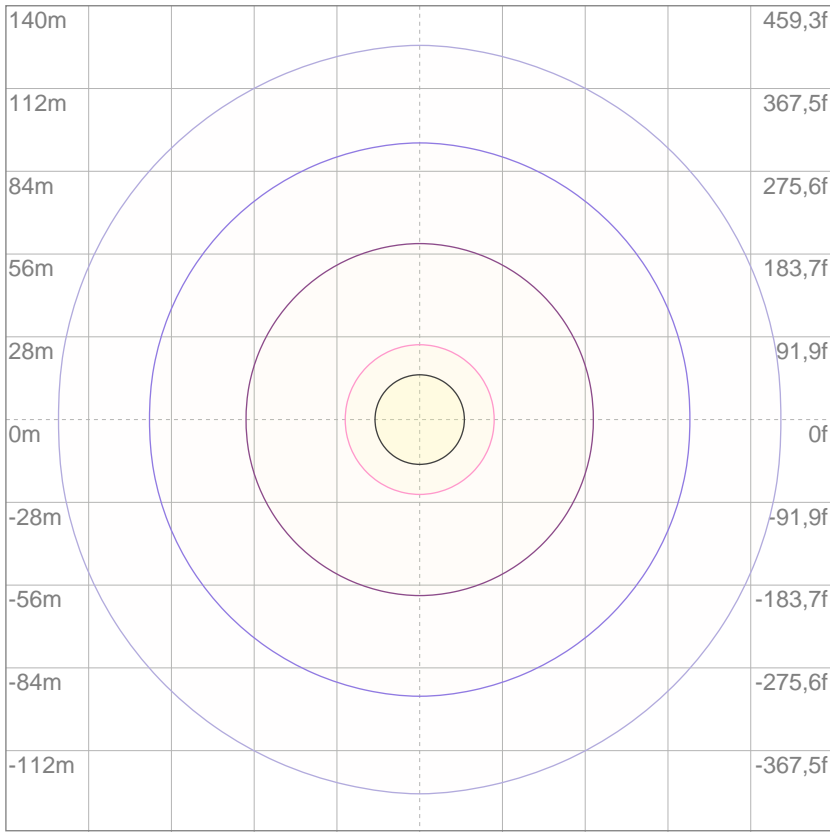
Power



Voltage: 115 V  
Current: 0,138 A  
Frequency: 60 Hz

# ISO Diagrams

## ISO lux diagram



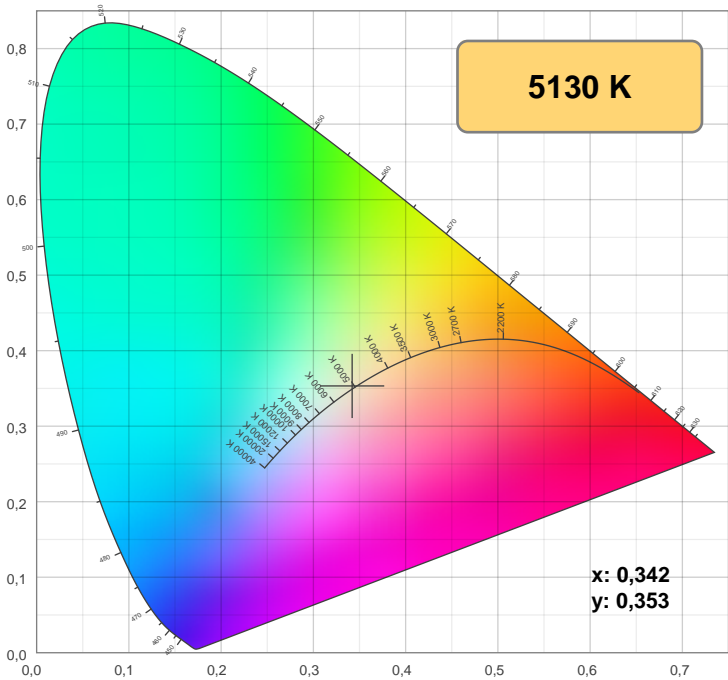
3%	0,184 lx
5%	0,307 lx
10%	0,614 lx
30%	1,84 lx
50%	3,07 lx

**Conditions:**  
 Number of c-planes: 4  
 Lux at center: 6,14 lx

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

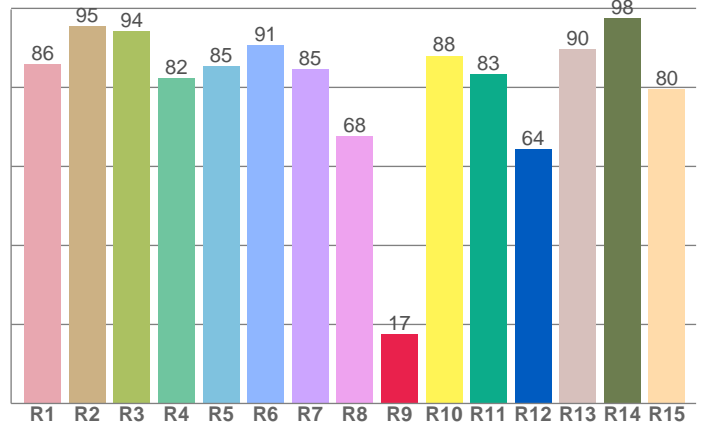
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 85,8 (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
86,0	95,4	94,2	82,5	85,4	90,8	84,7	67,8	17,5	88,1	83,4	64,4	89,6	97,5	79,5

## Color parameters

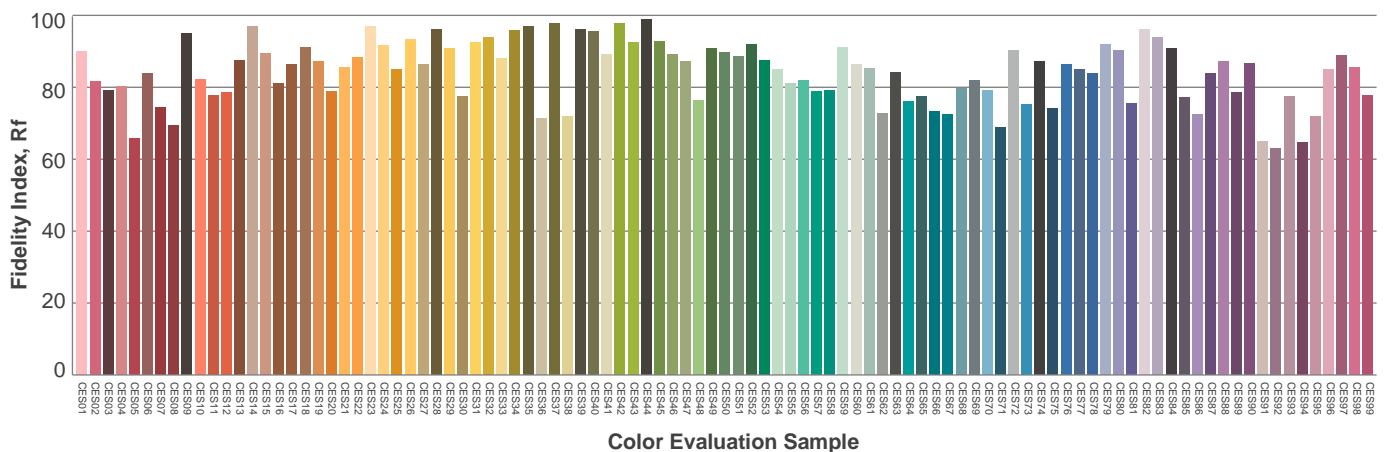
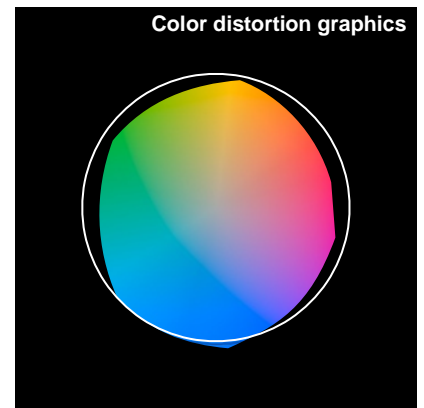
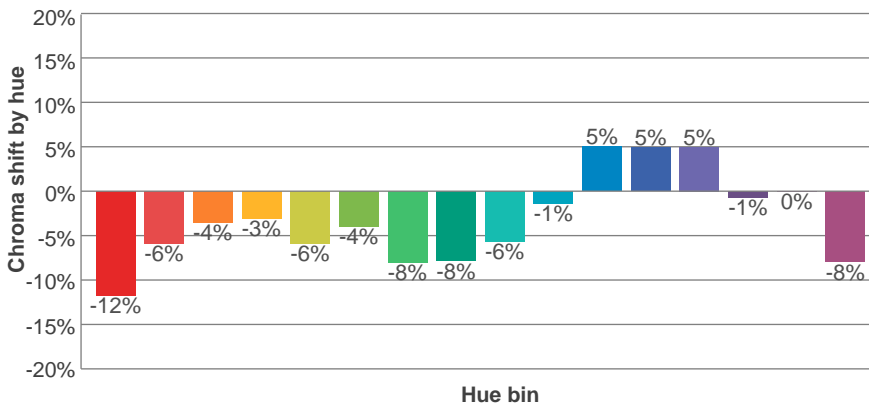
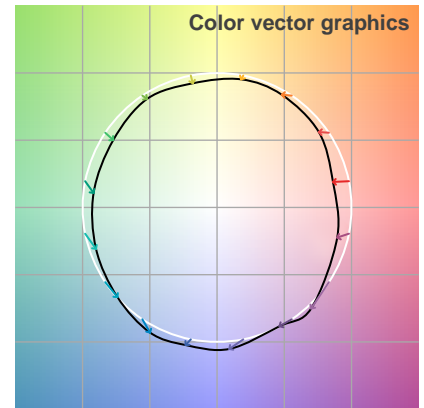
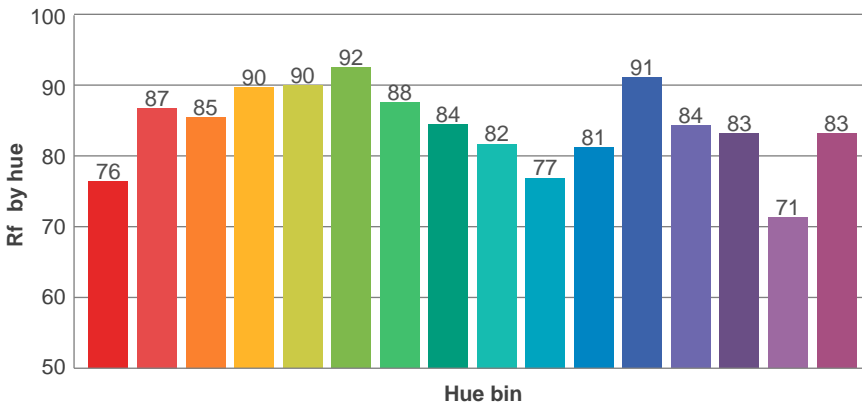
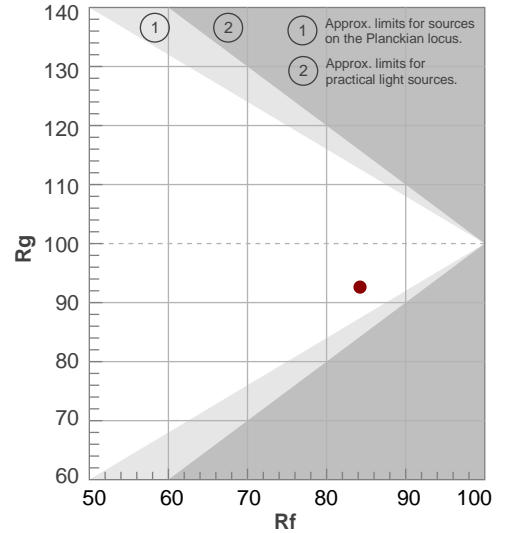
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5130 K	85,8	17,5	84,2	92,6	83,3	0,342	0,353	0,209	0,323	0,0012

TM-30 details

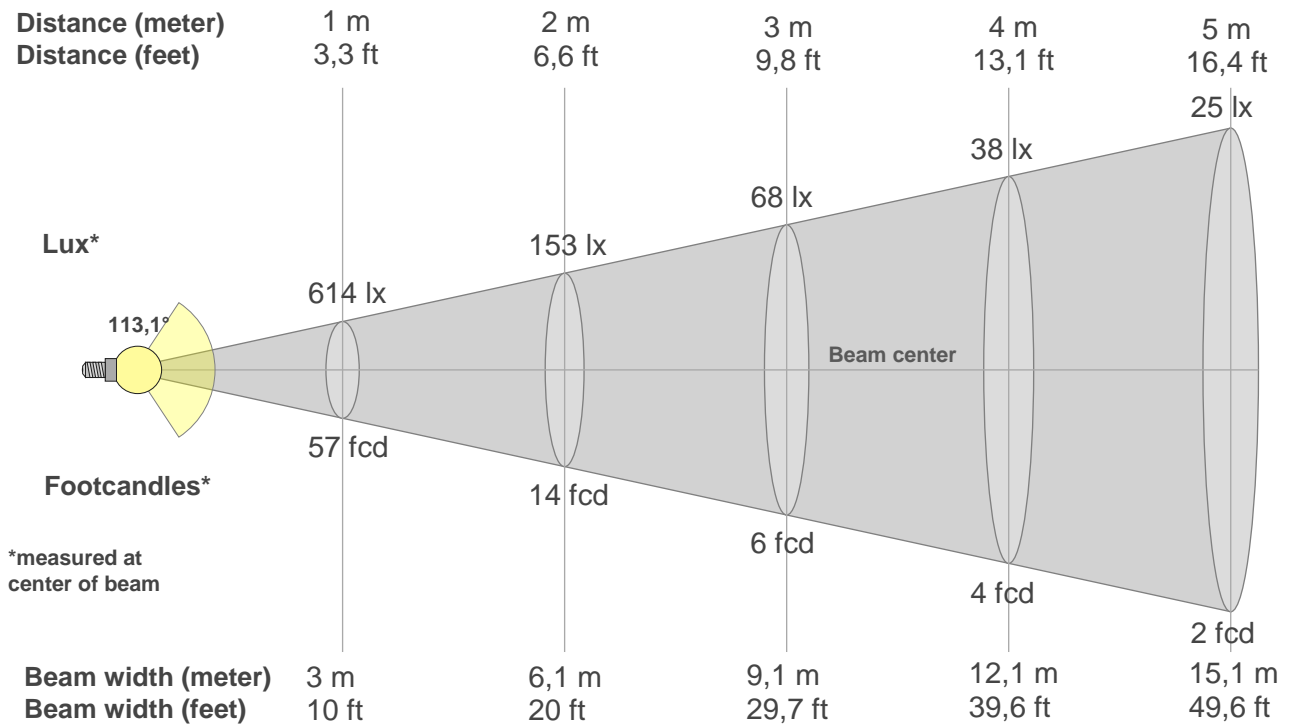
**Rf 84,2**  
Fidelity index Rf

**Rg 92,6**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	76	-12%	2%
2	87	-6%	5%
3	85	-4%	6%
4	90	-3%	1%
5	90	-6%	0%
6	92	-4%	-2%
7	88	-8%	1%
8	84	-8%	7%
9	82	-6%	13%
10	77	-1%	14%
11	81	5%	10%
12	91	5%	-3%
13	84	5%	-12%
14	83	-1%	-10%
15	71	0%	-24%
16	83	-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°
614	611	603	590	571	548	519	488	452	412	368	321	271	220	166	114	65	21	0	0
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	60%	52%	44%	36%	27%	19%	11%	3%	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°
614	611	602	589	570	547	519	488	452	412	369	322	273	221	168	115	66	22	1	0
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	60%	53%	44%	36%	27%	19%	11%	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°
614	611	603	590	571	548	519	488	452	412	368	321	271	220	166	114	65	21	0	0
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	60%	52%	44%	36%	27%	19%	11%	3%	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°
614	611	602	589	570	547	519	488	452	412	369	322	273	221	168	115	66	22	1	0
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	60%	53%	44%	36%	27%	19%	11%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,1°	160,8°	171,7°	79,0%	53,7%

# 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	23,0	24,3	23,3	24,6	24,8	23,0	24,3	23,3	24,6	24,8
	3H	24,5	25,7	24,9	26,0	26,2	24,5	25,8	24,9	26,0	26,2
	4H	25,1	26,3	25,5	26,6	26,8	25,1	26,3	25,5	26,6	26,8
	6H	25,5	26,6	25,9	26,9	27,3	25,6	26,6	25,9	26,9	27,3
	8H	25,6	26,7	26,0	27,0	27,4	25,7	26,7	26,0	27,0	27,4
12H	25,7	26,7	26,0	27,0	27,4	25,7	26,7	26,1	27,0	27,5	
4H	2H	23,6	24,8	24,0	25,1	25,4	23,6	24,9	24,1	25,1	25,4
	3H	25,4	26,4	25,8	26,7	27,2	25,4	26,4	25,8	26,7	27,2
	4H	26,0	26,9	26,5	27,4	27,9	26,1	27,0	26,5	27,4	27,9
	6H	26,5	27,4	27,0	27,8	28,1	26,6	27,4	27,1	27,8	28,2
	8H	26,7	27,5	27,2	27,9	28,2	26,7	27,5	27,2	27,9	28,3
12H	26,7	27,4	27,2	27,8	28,3	26,8	27,5	27,3	27,9	28,4	
8H	4H	26,3	27,1	26,8	27,5	27,9	26,3	27,1	26,8	27,5	27,9
	6H	27,0	27,6	27,5	28,0	28,6	27,0	27,6	27,5	28,1	28,6
	8H	27,2	27,7	27,7	28,2	28,9	27,2	27,8	27,7	28,3	28,9
	12H	27,3	27,7	27,9	28,2	28,9	27,3	27,8	27,9	28,3	28,9
12H	4H	26,3	27,0	26,8	27,4	27,9	26,3	27,0	26,8	27,4	27,9
	6H	27,0	27,6	27,5	28,1	28,7	27,1	27,6	27,6	28,1	28,7
	8H	27,3	27,7	27,8	28,2	28,8	27,3	27,7	27,9	28,2	28,9
Variation of the observer position for the luminaire distance S											
S = 1.0H	0,1 / -0,1					0,1 / -0,1					
S = 1.5H	0,2 / -0,3					0,2 / -0,3					
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 1755 lm total luminous flux											

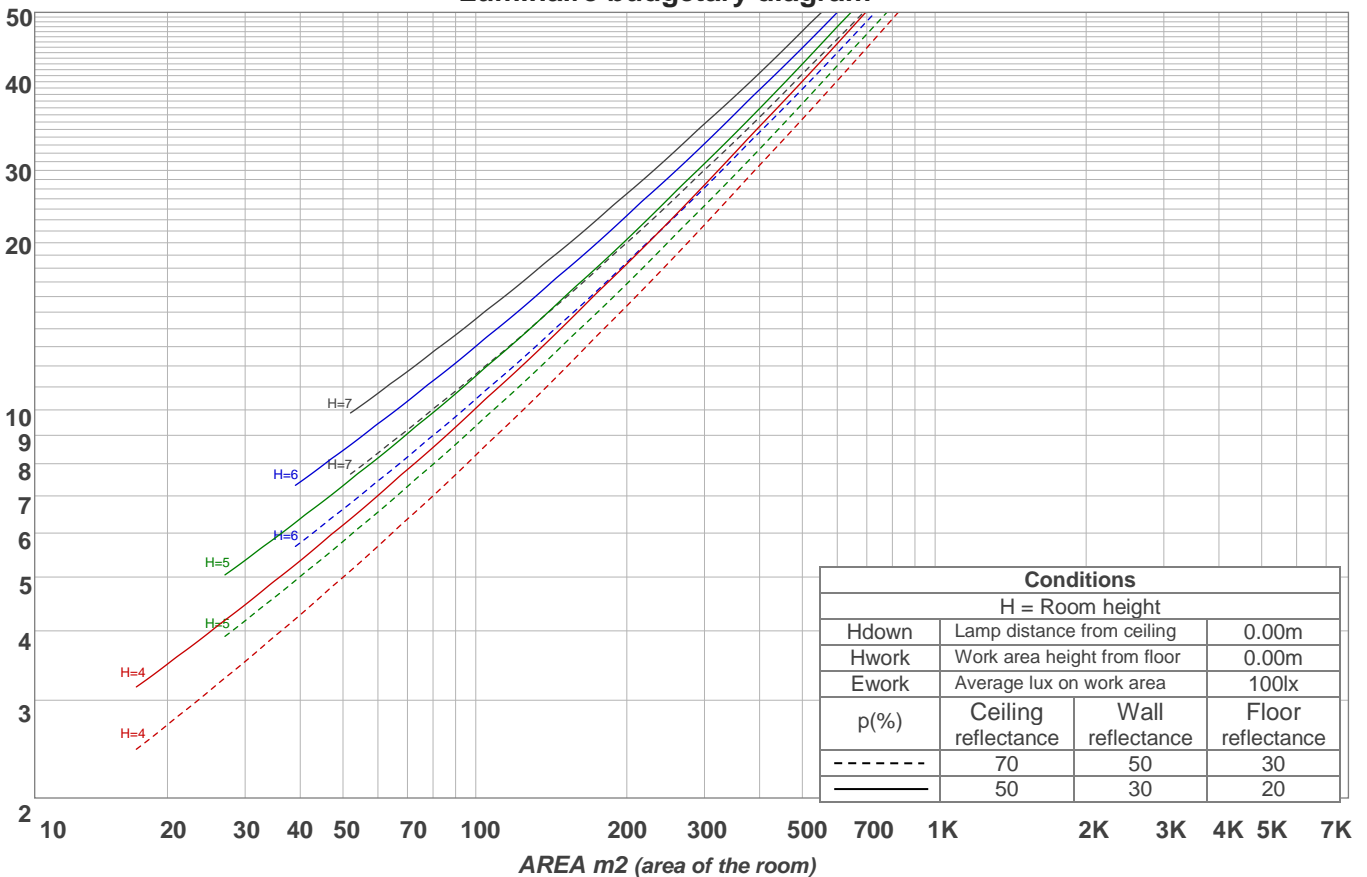
# Light planning

## 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	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84			
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70			
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	69	65	61	59			
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50			
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43			
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27			
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24			

LAMPS (number of lamps)

### Luminaire budgetary diagram

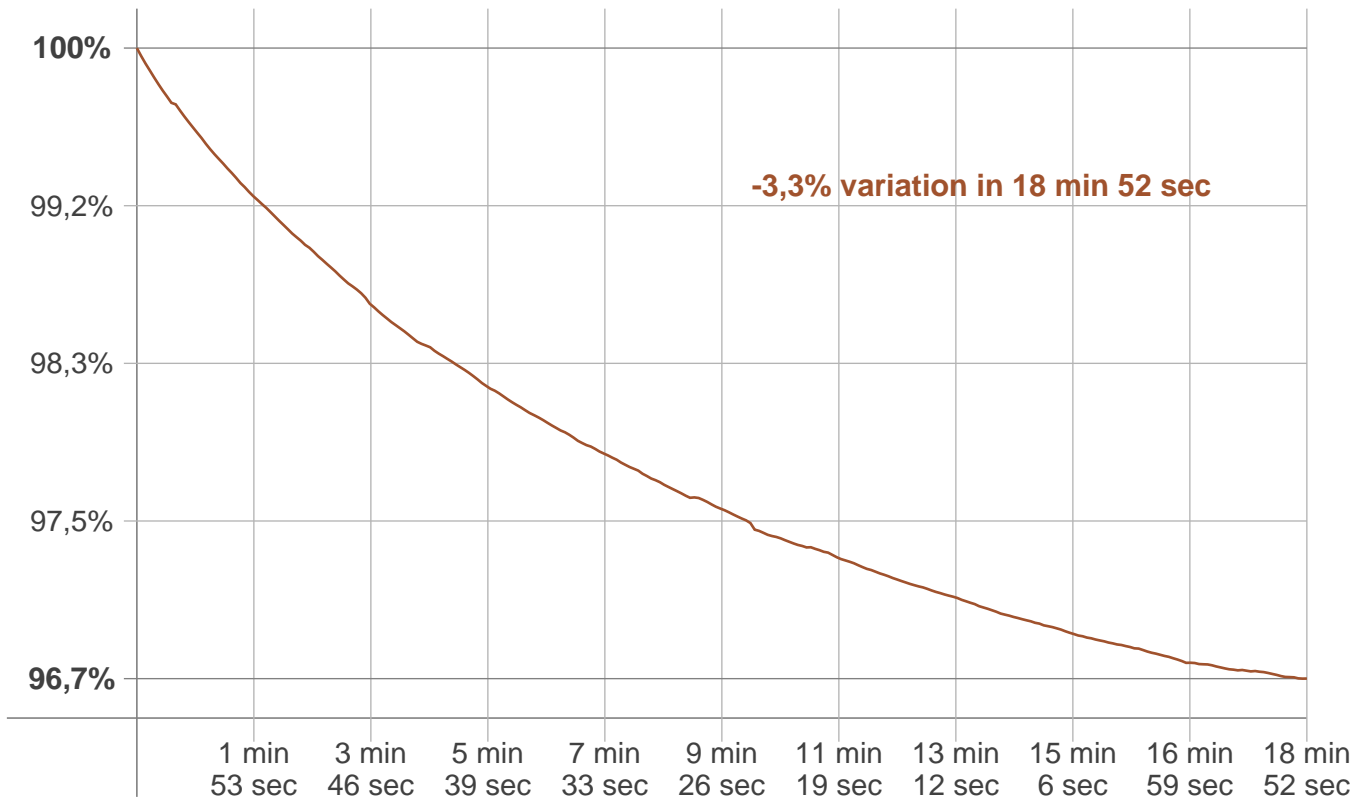


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
58,0 lm	166 lm	252 lm	305 lm	318 lm	287 lm	218 lm	121 lm	27,3 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,203 lm	0,229 lm	0,266 lm	0,283 lm	0,280 lm	0,241 lm	0,188 lm	0,120 lm	0,042 lm

## Stabilization

### Warmup curve



### Warmup result

Warmup time:	18 min 52 sec
Warmup variation	-3,3%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
5066 K	+64 K	5130 K

### Output change

Output start	Output change	Output end
1813 lm	-58 lm	1755 lm