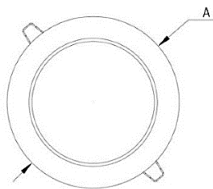




Dimensiones (mm)

A: Ø192



Corte: Ø166

Código

KT6617-20W-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

LED	 116°	 50,000h	IP 20	IK 02
PF 0,97	THD <30%	°C 0-40	V 100-240	Hz 50/60

Fuente de luz

Bala con módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
19,3W	>80	5000	103	1988

Características de fuente de luz

- Color temperatura disponible 5000K (luz día).

Light efficiency:



Light quality:



Color temperature:



Output: 1988 lm

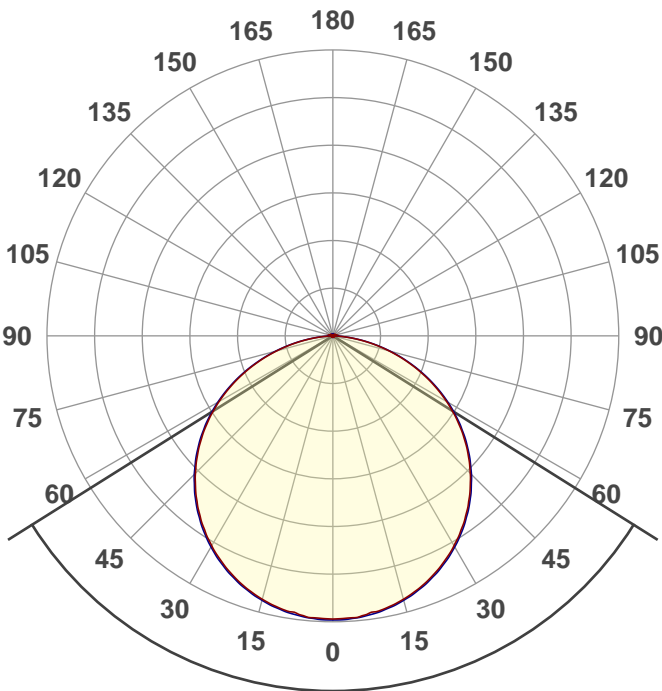
Peak: 675 cd

Power: 19,3 W

PF: 0,97



Product name:  
E0378-KT6617-20W-AM-5K



Beam angle **115,7°**



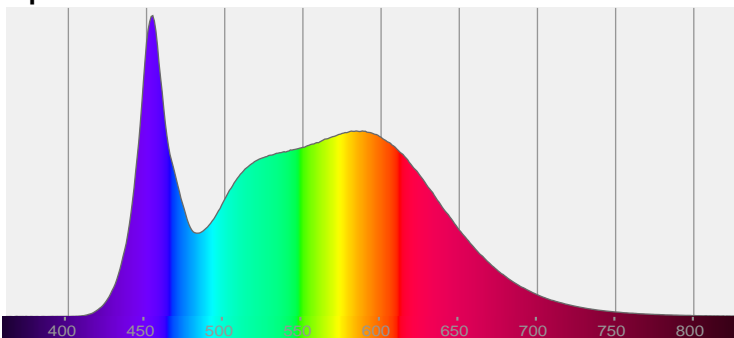
CIE 1931  
x: 0,344  
y: 0,357

THD Values:

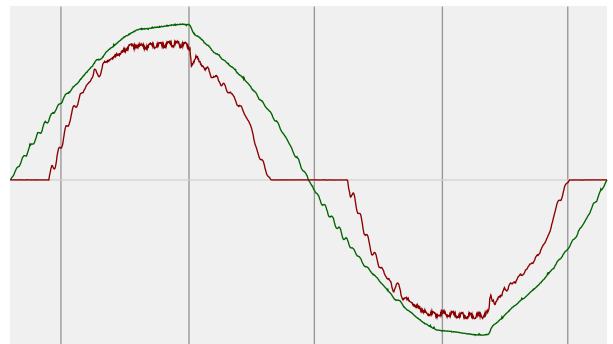
Voltage: 2,25%

Current: 23,93%

Spectra

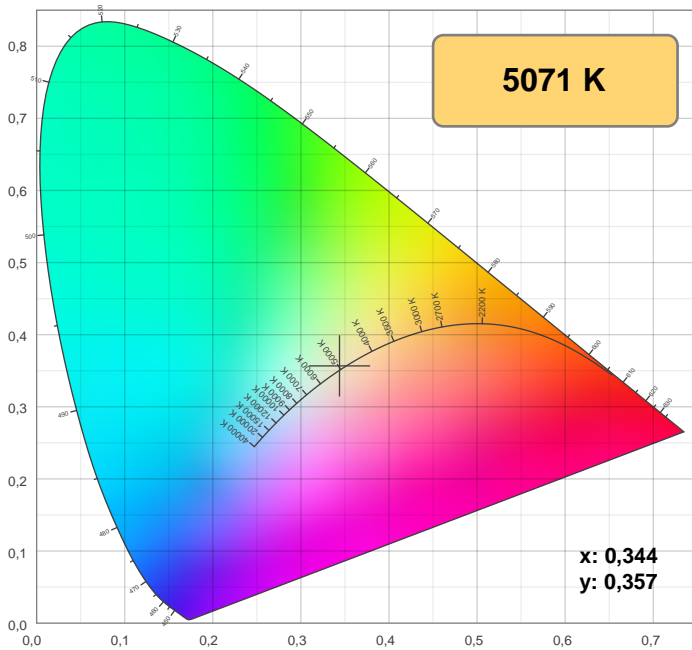


Power



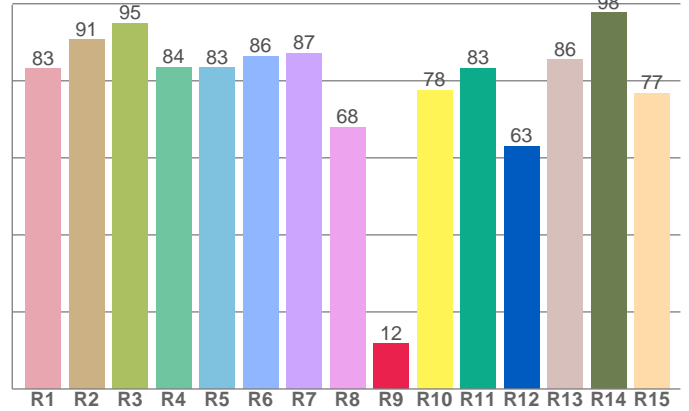
Voltage: 114 V  
Current: 0,175 A  
Frequency: 60 Hz

## Color details



CIE 1931

CRI: 84,6 (R1-R8)

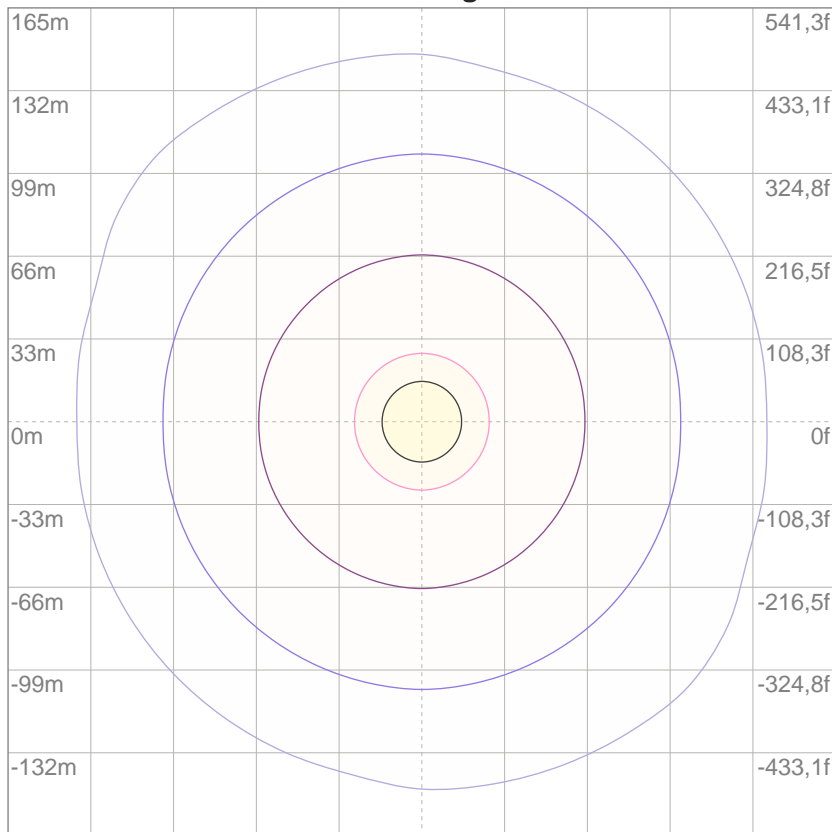


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
83,1	90,7	94,9	83,5	83,4	86,4	87,1	68,0	11,8	77,5	83,3	63,0	85,5	97,6	76,8

## ISO Diagrams

### ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,202 lx
5%	0,336 lx
10%	0,673 lx
30%	2,02 lx
50%	3,36 lx

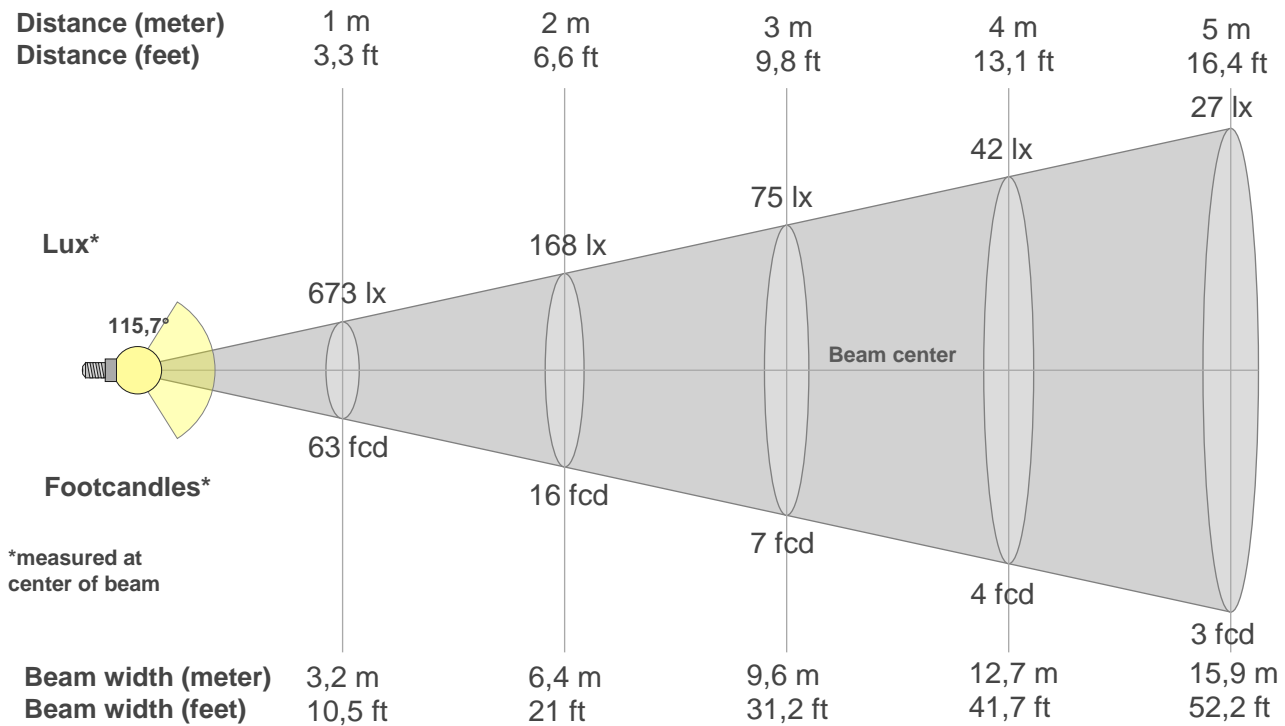
Conditions:

Number of c-planes: 8

Lux at center: 6,73 lx

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

## Beam details



### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
673lx	168lx	75lx	42lx	27lx	19lx	14lx	11lx	8lx	7lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx
62,5fcd	15,6fcd	6,9fcd	3,9fcd	2,5fcd	1,7fcd	1,3fcd	1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd

### 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°
673	671	661	648	629	605	575	542	504	462	416	365	312	255	197	138	81	28	0	0
100%	100%	98%	96%	93%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	21%	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°
673	672	664	650	632	608	579	546	507	465	419	370	316	259	200	141	83	30	1	0
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	55%	47%	39%	30%	21%	12%	5%	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°
673	671	661	648	629	605	575	542	504	462	416	365	312	255	197	138	81	28	0	0
100%	100%	98%	96%	93%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	21%	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°
673	672	664	650	632	608	579	546	507	465	419	370	316	259	200	141	83	30	1	0
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	55%	47%	39%	30%	21%	12%	5%	0%	0%

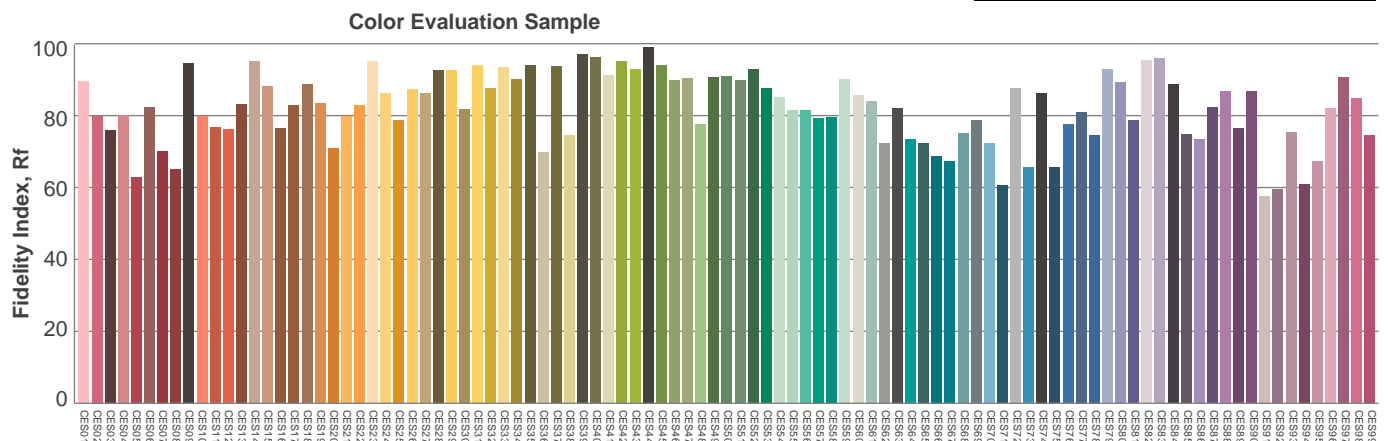
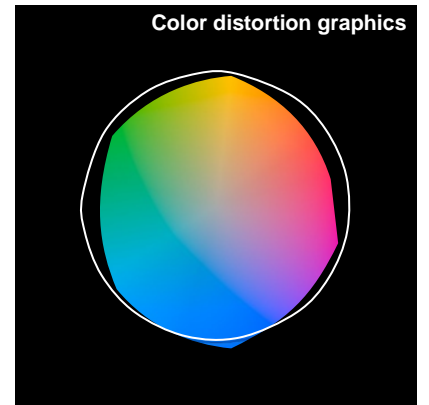
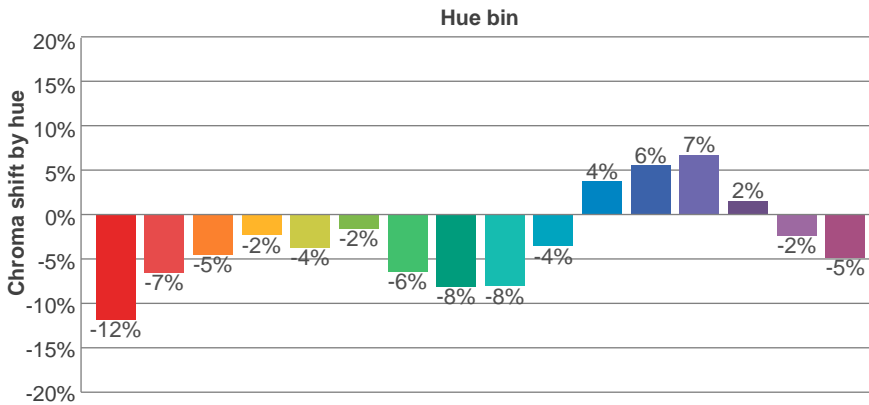
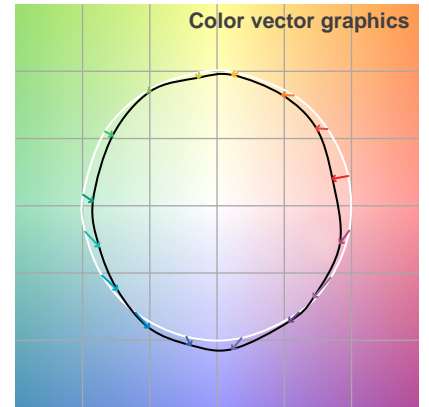
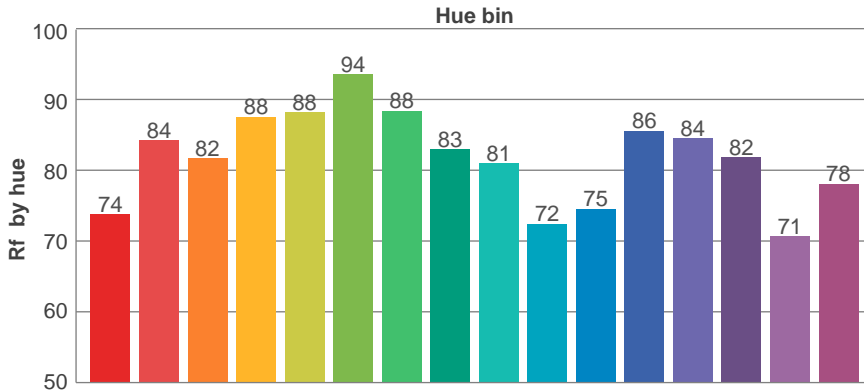
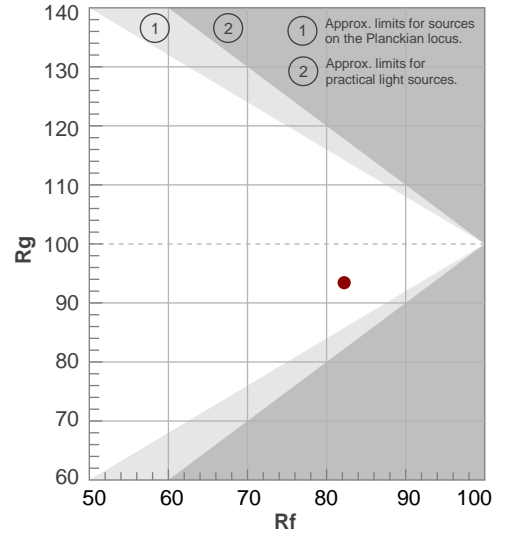
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,7°	162,7°	172,9°	77,9%	52,5%

TM30 details

**Rf 82,2**  
Fidelity index Rf

**Rg 93,4**  
Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	74	-12%	0%
2	84	-7%	5%
3	82	-5%	7%
4	88	-2%	4%
5	88	-4%	1%
6	94	-2%	-1%
7	88	-6%	-1%
8	83	-8%	3%
9	81	-8%	13%
10	72	-4%	15%
11	75	4%	14%
12	86	6%	4%
13	84	7%	-8%
14	82	2%	-10%
15	71	-2%	-19%
16	78	-5%	-11%



# 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	25,4	26,7	25,7	27,0	27,2	25,4	26,8	25,7	27,0	27,2
	3H	27,0	28,2	27,3	28,5	28,8	27,1	28,3	27,4	28,5	28,8
	4H	27,6	28,8	28,0	29,1	29,4	27,7	28,9	28,1	29,1	29,4
	6H	28,1	29,2	28,5	29,5	29,8	28,2	29,2	28,5	29,6	29,9
	8H	28,2	29,3	28,6	29,6	29,9	28,3	29,3	28,7	29,7	30,0
	12H	28,3	29,3	28,7	29,6	29,9	28,4	29,4	28,8	29,7	30,0
4H	2H	26,1	27,2	26,4	27,5	27,8	26,1	27,3	26,5	27,6	27,8
	3H	27,9	28,9	28,3	29,2	29,5	27,9	28,9	28,3	29,2	29,6
	4H	28,7	29,5	29,1	29,9	30,3	28,7	29,6	29,1	30,0	30,3
	6H	29,2	30,0	29,7	30,4	30,8	29,3	30,1	29,7	30,5	30,9
	8H	29,4	30,1	29,9	30,5	30,9	29,5	30,2	29,9	30,6	31,0
	12H	29,5	30,2	30,0	30,6	31,0	29,6	30,3	30,1	30,7	31,1
8H	4H	29,0	29,7	29,4	30,1	30,5	29,0	29,7	29,5	30,1	30,6
	6H	29,7	30,3	30,2	30,7	31,2	29,8	30,3	30,2	30,8	31,2
	8H	30,0	30,5	30,4	30,9	31,4	30,0	30,5	30,5	31,0	31,5
	12H	30,1	30,5	30,6	31,0	31,5	30,2	30,6	30,7	31,1	31,6
12H	4H	29,0	29,6	29,5	30,1	30,5	29,1	29,7	29,5	30,1	30,5
	6H	29,8	30,3	30,2	30,7	31,2	29,8	30,3	30,3	30,8	31,3
	8H	30,0	30,5	30,5	30,9	31,4	30,1	30,5	30,6	31,0	31,5
Variation of the observer position for the luminaire distance S											
S = 1,0H	+0,1 / -0,1					+0,1 / -0,1					
S = 1,5H	+0,2 / -0,3					+0,2 / -0,3					
S = 2,0H	+0,4 / -0,6					+0,4 / -0,6					
Standard table	BK06					BK06					
Correction summand	12,8					12,9					
Corrected glare indices referring to 1988 lm total luminous flux											

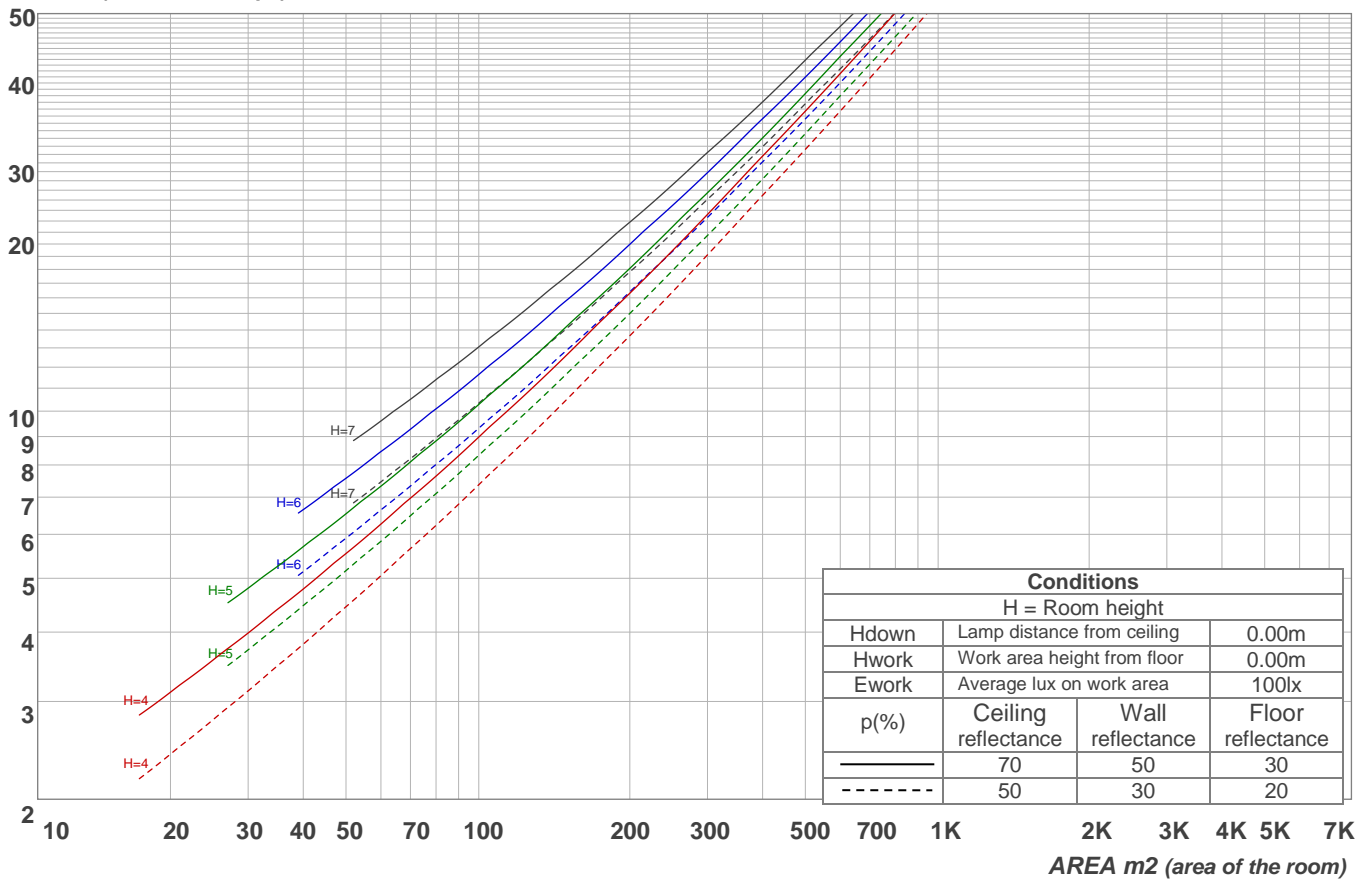
# Light planning

## 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	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	95	106	101	97	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	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	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	37	30	26	37	30	25	36	30	25	24

LAMPS (number of lamps)

## Luminaire budgetary diagram

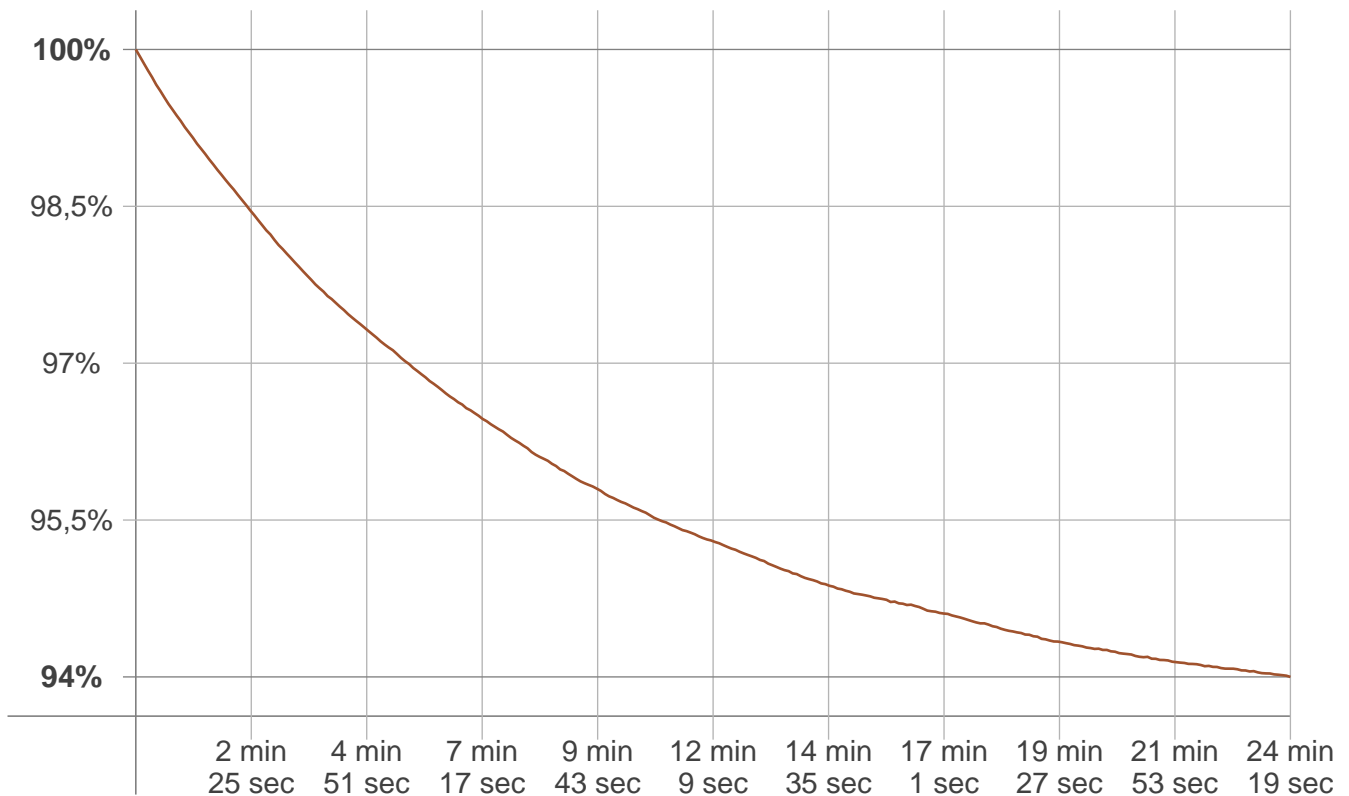


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
63,7 lm	183 lm	279 lm	340 lm	357 lm	328 lm	254 lm	147 lm	36,1 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,205 lm	0,204 lm	0,249 lm	0,271 lm	0,259 lm	0,222 lm	0,166 lm	0,103 lm	0,035 lm

# Stabilization

## Warmup curve



## Warmup result

Warmup time:	24 min 19 sec
Warmup variation	-6,0%

## Warmup conditions

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

## Color temperature change

CCT start	CCT change	CCT end
4983 K	+88 K	5071 K

## Output change

Output start	Output change	Output end
2112 lm	-123 lm	1988 lm