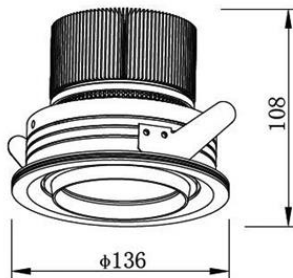




Dimensiones (mm)

Diámetro: Ø136
Altura: 108



Código

KT6309

Descripción

Luminaria tipo bala recesada, diseñada con módulo de LED. Empotrada al techo por medio de sujetadores ubicados en los laterales. Compuesta con un disipador en aluminio y un óptico especular.



Materiales y acabado

Cuerpo en aluminio inyectado, con acabado en pintura poliéster electrostática en polvo a prueba de radiación UV.

Color

Blanco.

Características técnicas

LED	 19°	 25,000h	IP 20
PF 0,78	°C 0-55	V 120-240	Hz 50/60

Fuente de luz

Bala con módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
13W	>80	3000	55	654

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 11,9W.

Light efficiency:



Light quality:



Color temperature:



Output: 654 lm

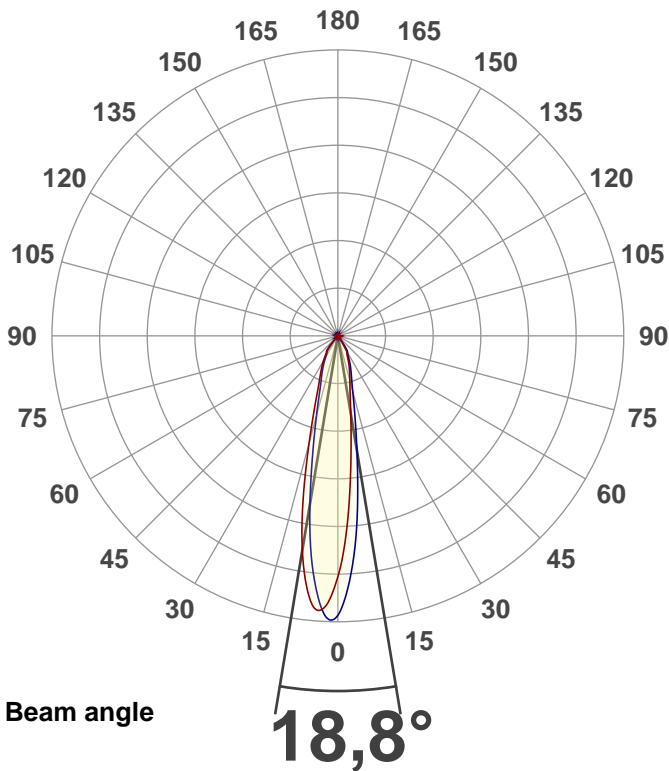
Peak: 2931 cd

Power: 11,9 W

PF: 0,78



Product name:
E0188-KT6309



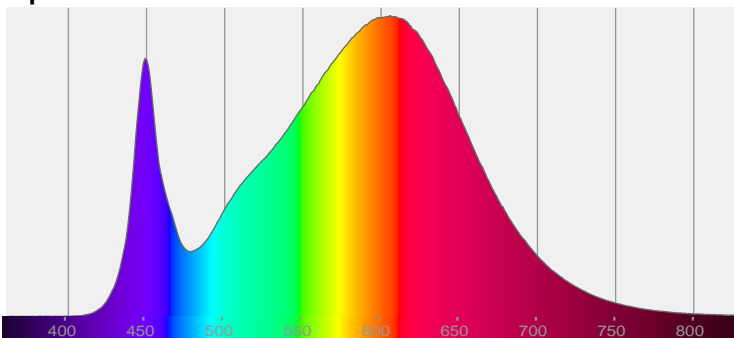
CIE 1931
x: 0,415
y: 0,384

THD Values:

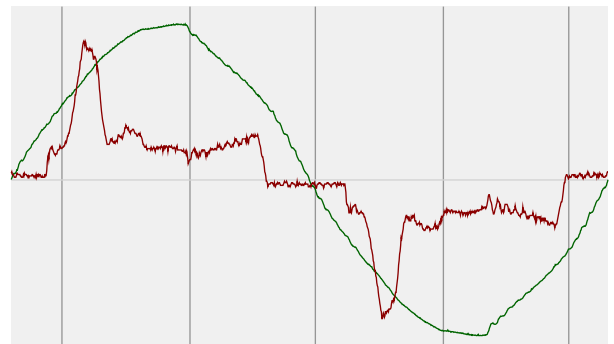
Voltage: 2,92%

Current: 66,49%

Spectra

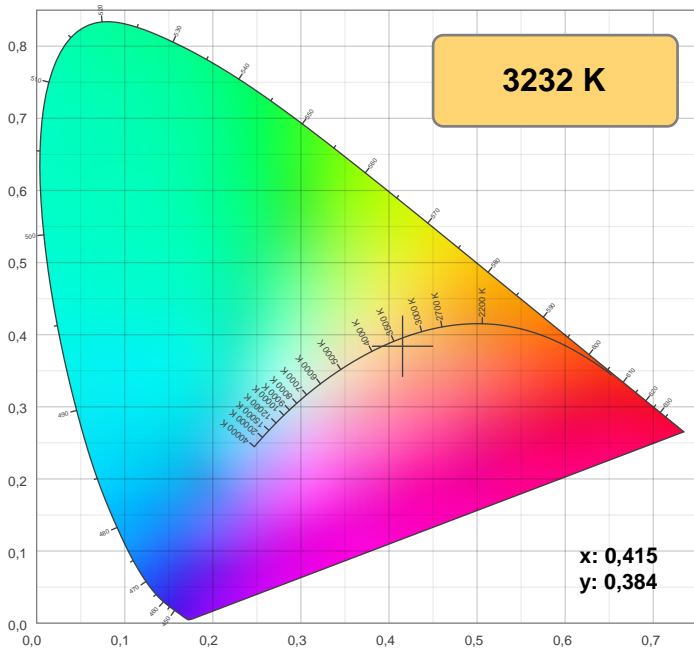


Power



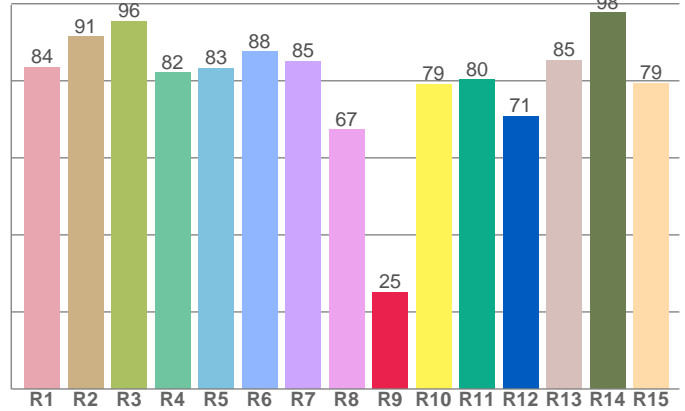
Voltage: 113 V
Current: 0,135 A
Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 84,5 (R1-R8)

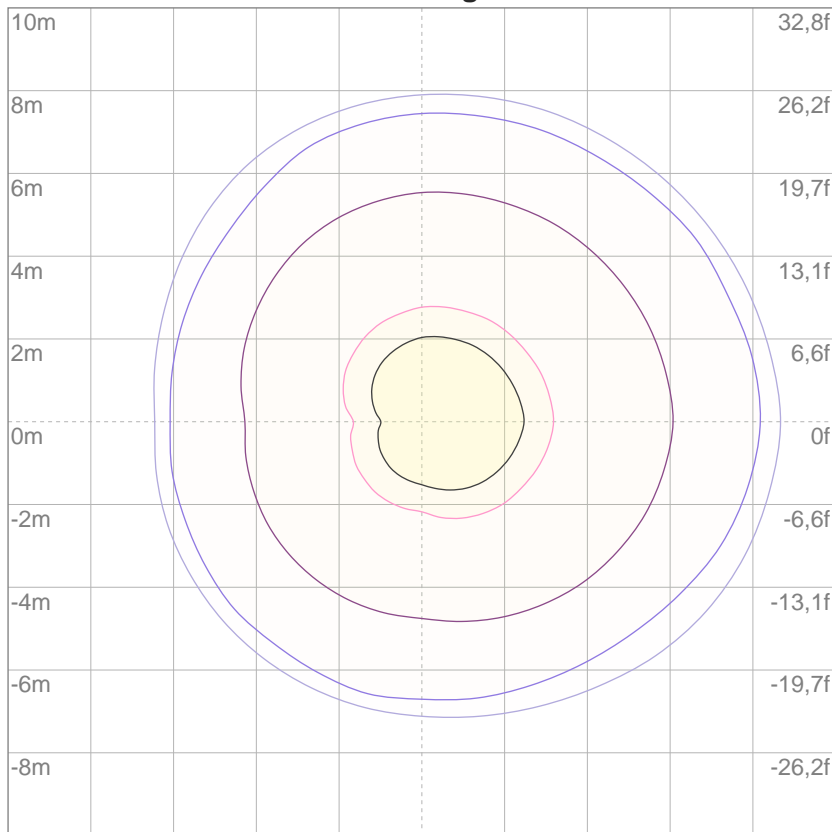


CRI R values, only R1-R8 are used to calculate final CRI value

R	R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
Value	83,6	91,4	95,5	82,1	83,3	87,6	85,1	67,3	25,1	79,2	80,3	70,8	85,4	97,7	79,4

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,804 lx
5%	1,34 lx
10%	2,68 lx
30%	8,04 lx
50%	13,4 lx

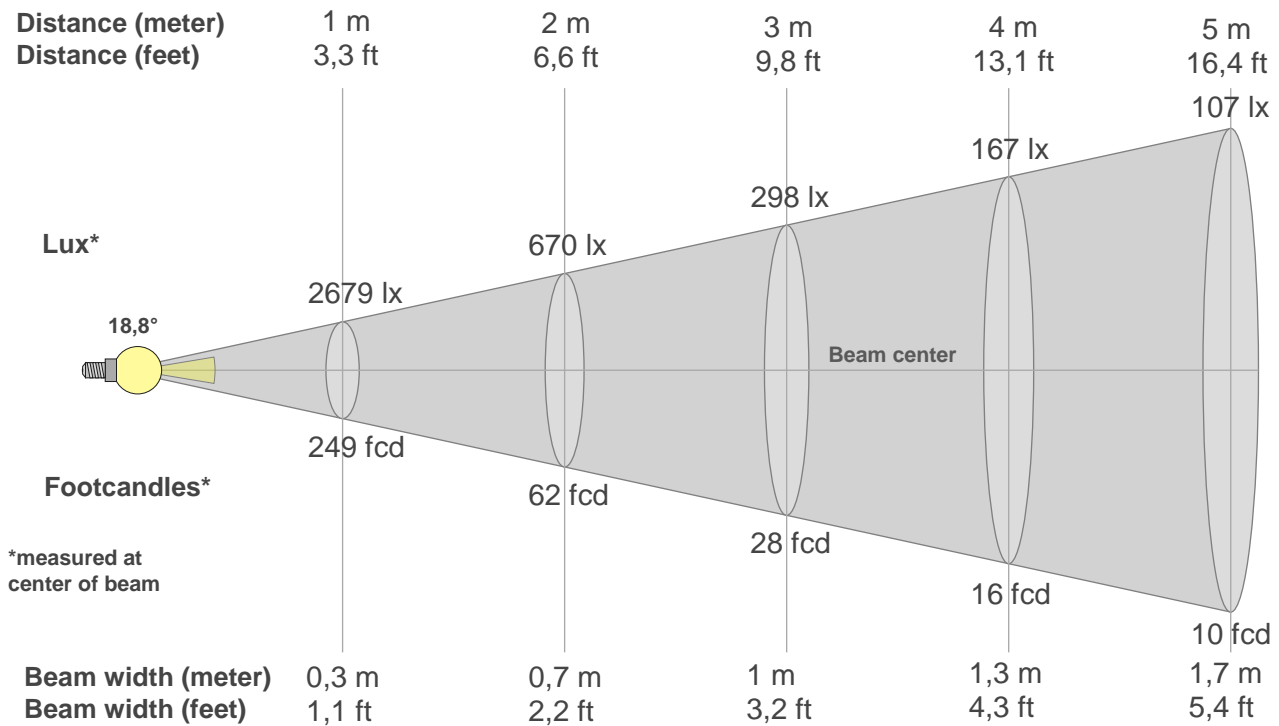
Conditions:

Number of c-planes: 4

Lux at center: 26,8 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
2679lx	670lx	298lx	167lx	107lx	74lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx
248,9fcd	62,2fcd	27,7fcd	15,6fcd	10fcd	6,9fcd	5,1fcd	3,9fcd	3,1fcd	2,5fcd	2,1fcd	1,7fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2679	2125	1696	1292	980	760	609	514	446	390	342	295	251	217	199	169	109	45	8	4
100%	79%	63%	48%	37%	28%	23%	19%	17%	15%	13%	11%	9%	8%	7%	6%	4%	2%	0%	0%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2679	2643	2304	1897	1466	1109	848	665	539	458	399	349	302	256	220	200	183	128	63	13
100%	99%	86%	71%	55%	41%	32%	25%	20%	17%	15%	13%	11%	10%	8%	7%	7%	5%	2%	0%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2679	2738	2835	2735	2476	2132	1723	1320	1003	776	618	515	447	392	344	298	252	217	199	172
100%	102%	106%	102%	92%	80%	64%	49%	37%	29%	23%	19%	17%	15%	13%	11%	9%	8%	7%	6%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2679	2915	2743	2443	2063	1637	1254	963	757	609	513	447	392	342	292	247	215	198	155	90
100%	109%	102%	91%	77%	61%	47%	36%	28%	23%	19%	17%	15%	13%	11%	9%	8%	7%	6%	3%

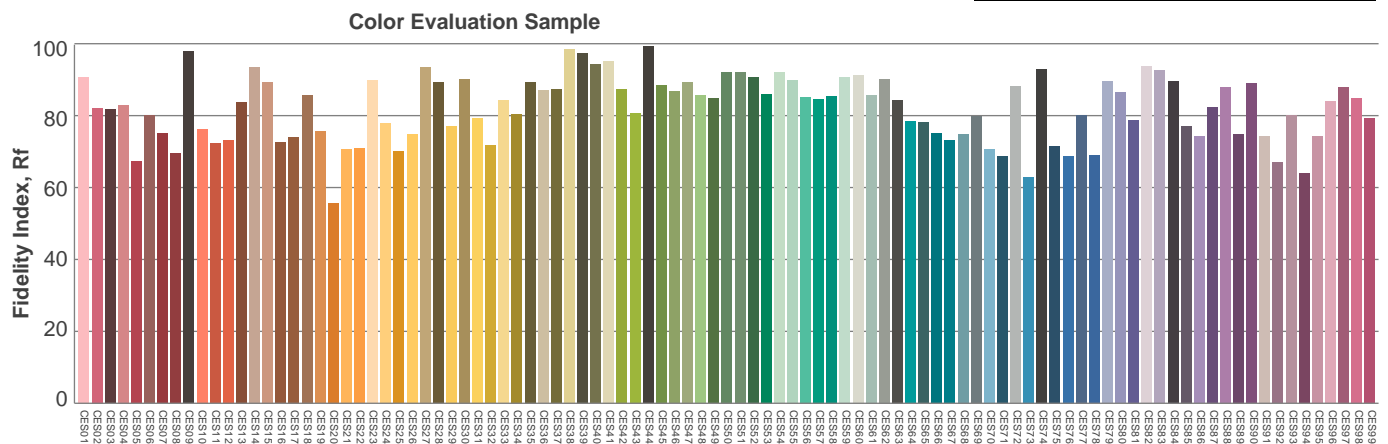
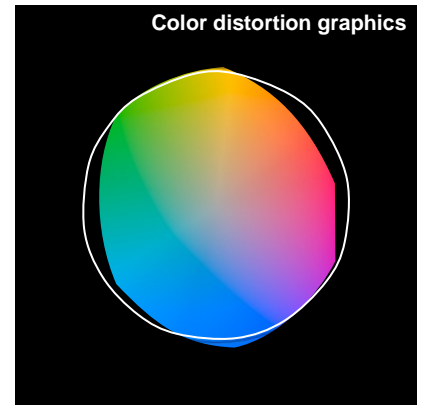
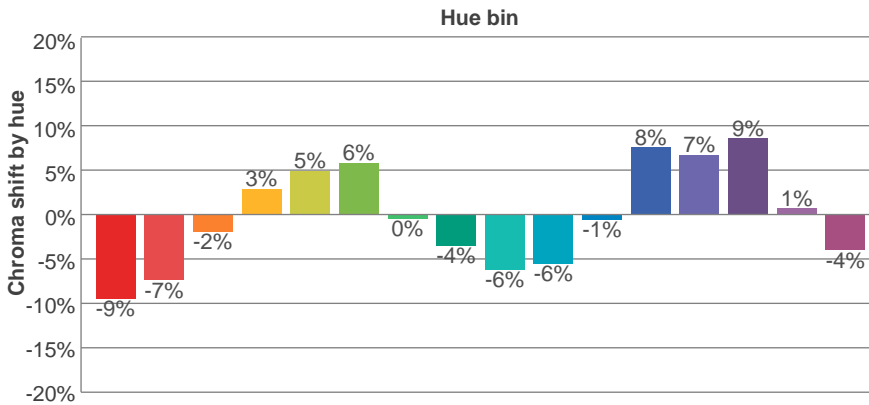
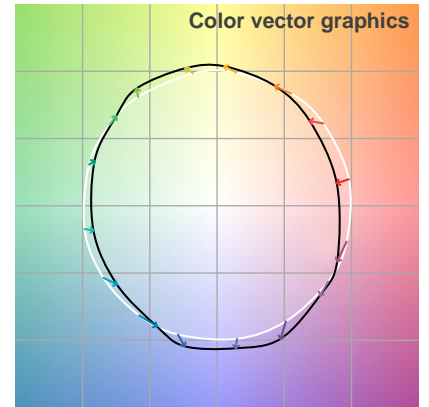
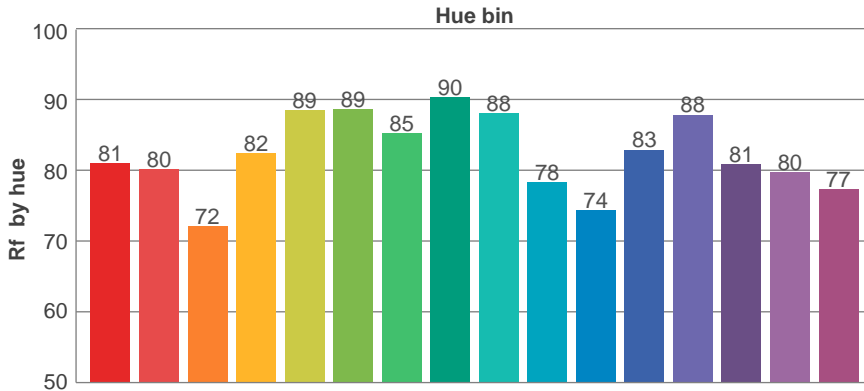
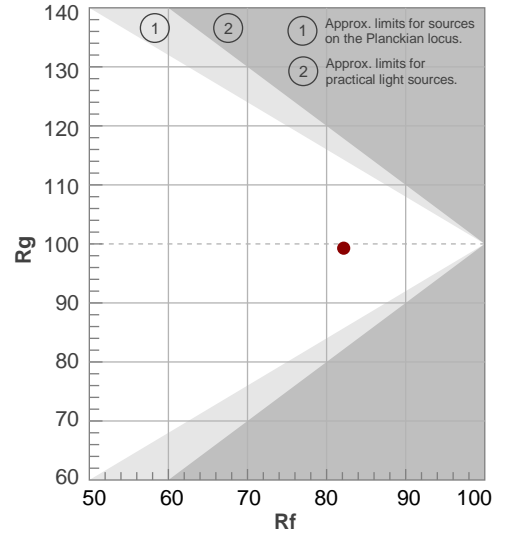
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,8°	52,7°	74,2°	98,8%	97,9%

TM30 details

Rf 82,2
Fidelity index Rf

Rg 99,3
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-9%	-1%
2	80	-7%	7%
3	72	-2%	13%
4	82	3%	9%
5	89	5%	5%
6	89	6%	-3%
7	85	0%	-8%
8	90	-4%	-4%
9	88	-6%	2%
10	78	-6%	10%
11	74	-1%	15%
12	83	8%	7%
13	88	7%	-2%
14	81	9%	-11%
15	80	1%	-12%
16	77	-4%	-16%



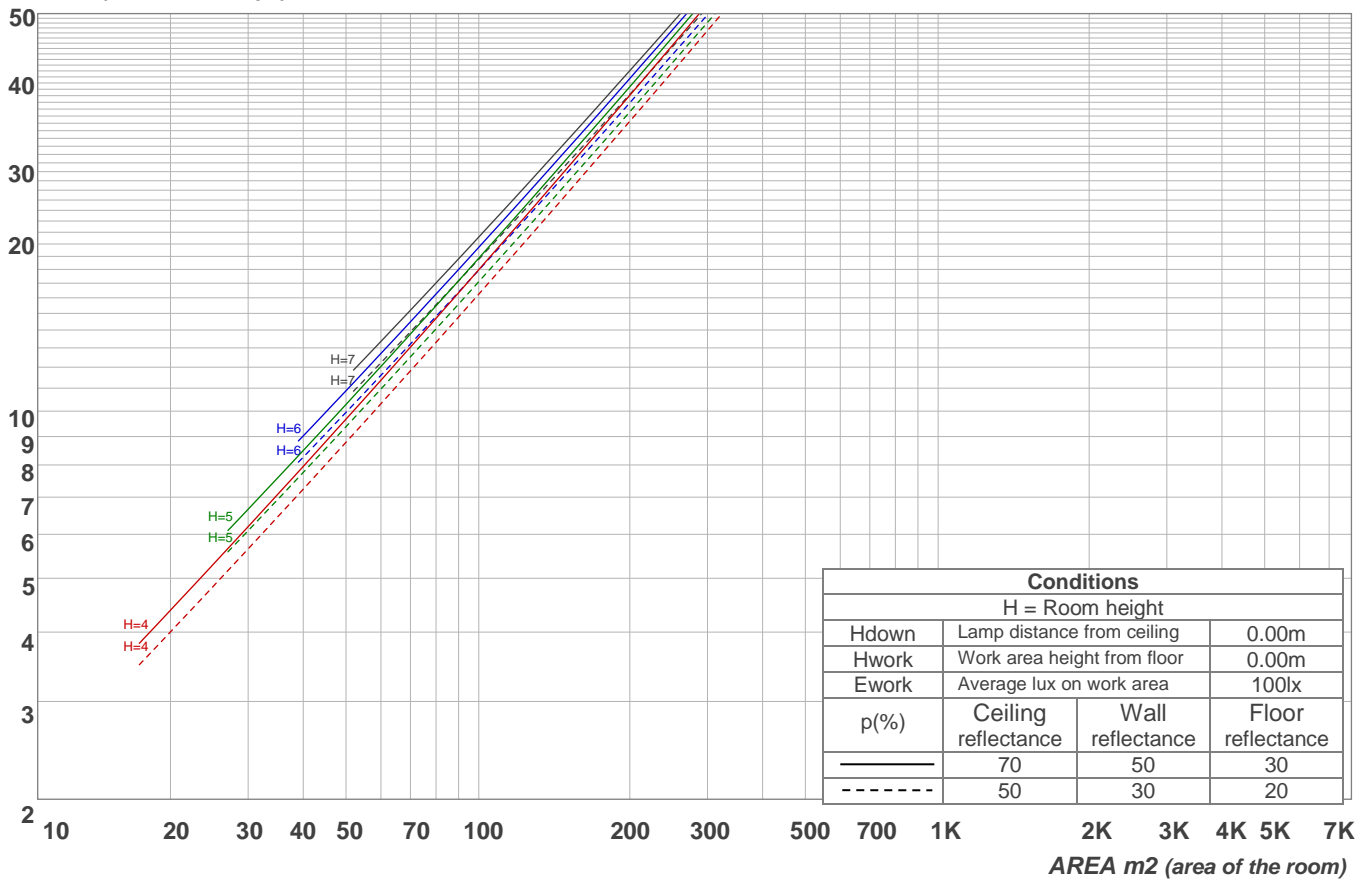
Light planning

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
RCR	(RCR: Room Cavity Ratio) 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	100	100	
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	86	86	
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83	
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79	79	79	
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73	73	73	
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70	70	70	
9	85	77	73	69	84	77	72	69	76	72	69	75	71	69	74	71	69	67	67	67	
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65	65	65	

LAMPS (number of lamps)

Luminaire budgetary diagram

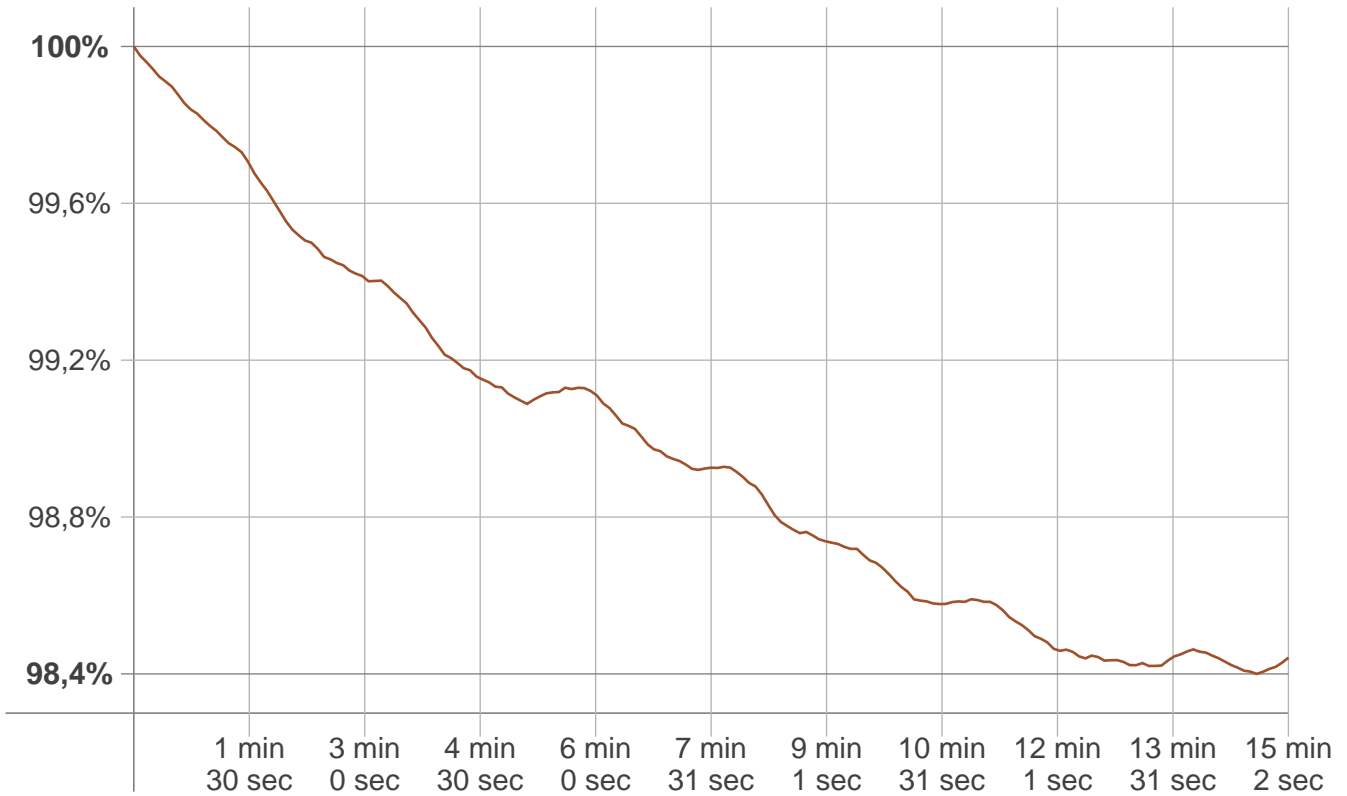


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
186 lm	220 lm	150 lm	78,4 lm	6,92 lm	3,79 lm	3,88 lm	2,78 lm	0,981 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,059 lm	0,046 lm	0,047 lm	0,042 lm	0,046 lm	0,047 lm	0,054 lm	0,036 lm	0,006 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 2 sec
Warmup variation	-1,6%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3233 K	-1 K	3232 K

Output change

Output start	Output change	Output end
664 lm	-10 lm	654 lm