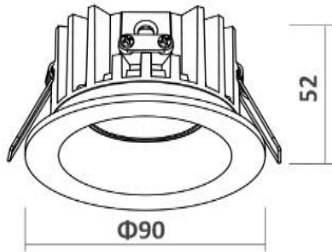




Dimensiones (mm)

Diámetro: Ø90
Altura: 52



Código

KT6594

Descripción

Luminaria tipo bala, diseñada con módulo de LED. Empotrada al techo por medio de ganchos de fijación. Compuesta en la parte interna por una pantalla en aluminio especlar facetado y un difusor transparente.




Materiales y acabado

Aro exterior y disipador en aluminio inyectado. Ganchos de fijación en hierro con acabado galvanizado. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

Color

Blanco.

Características técnicas

LED	 39°	 30,000h	IP 20	IK 04
PF 0,52	°C 30-55	V 120-240		

Fuente de luz

Bala con módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
7,4W	>80	3000	93	689

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).

Light efficiency:



Light quality:



Color temperature:



Output: 689 lm

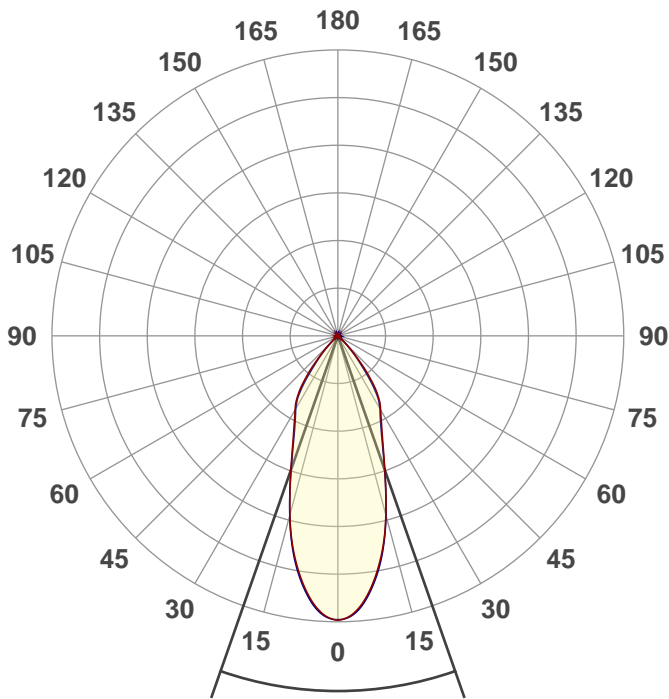
Peak: 1081 cd

Power: 7,4 W

PF: 0,52



Product name:
E0186-KT6594



Beam angle

38,6°



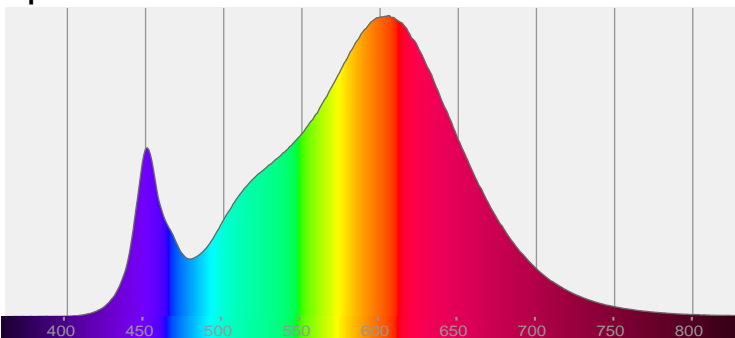
CIE 1931
x: 0,436
y: 0,402

THD Values:

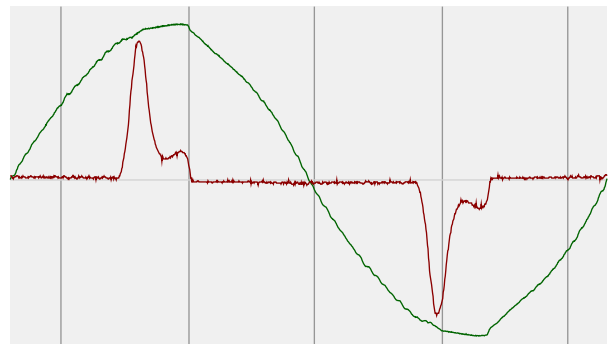
Voltage: 2,5%

Current: 152,1%

Spectra

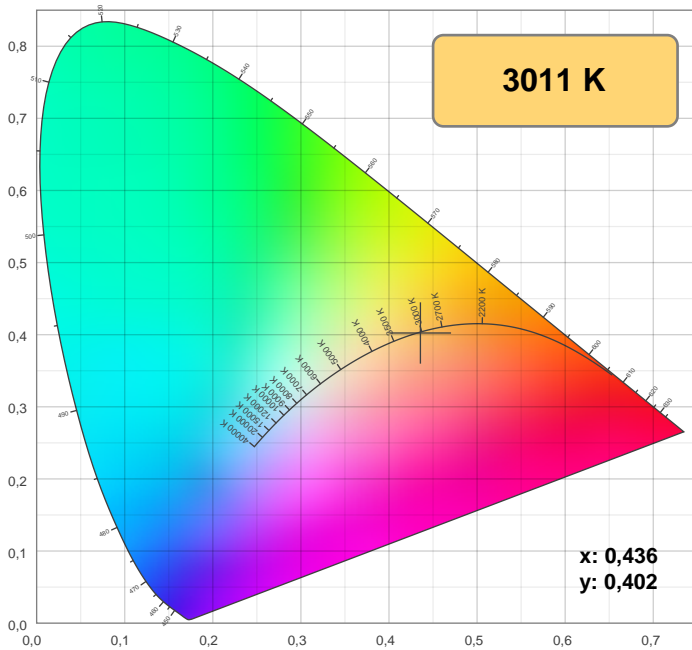


Power



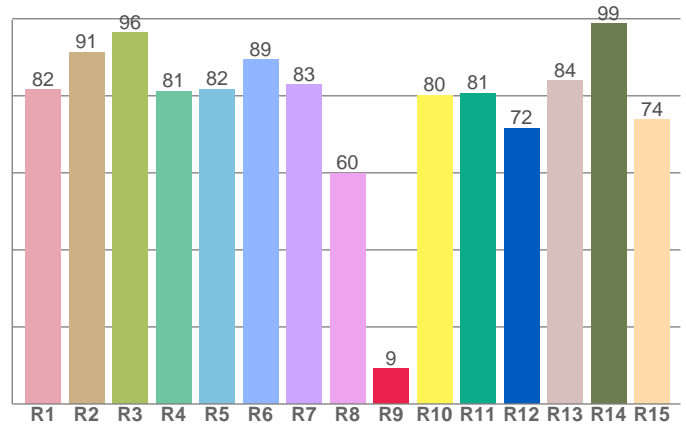
Voltage: 115 V
Current: 0,123 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 83,0 (R1-R8)

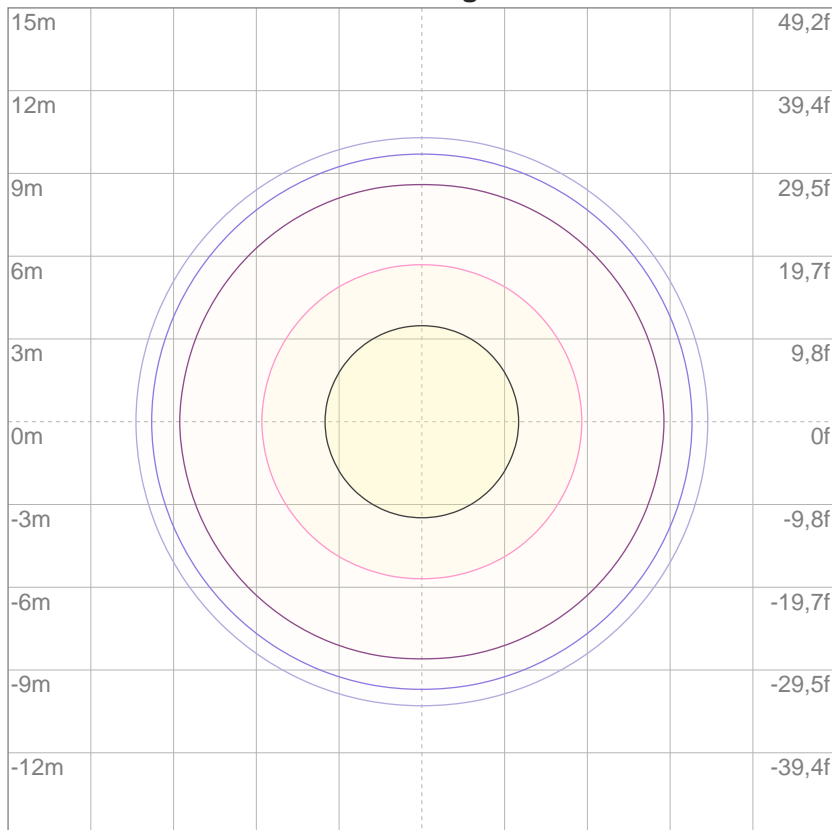


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
81,6	91,3	96,4	81,2	81,7	89,4	82,9	59,9	9,2	80,2	80,6	71,6	84,0	98,7	73,7

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,324 lx
5%	0,540 lx
10%	1,08 lx
30%	3,24 lx
50%	5,40 lx

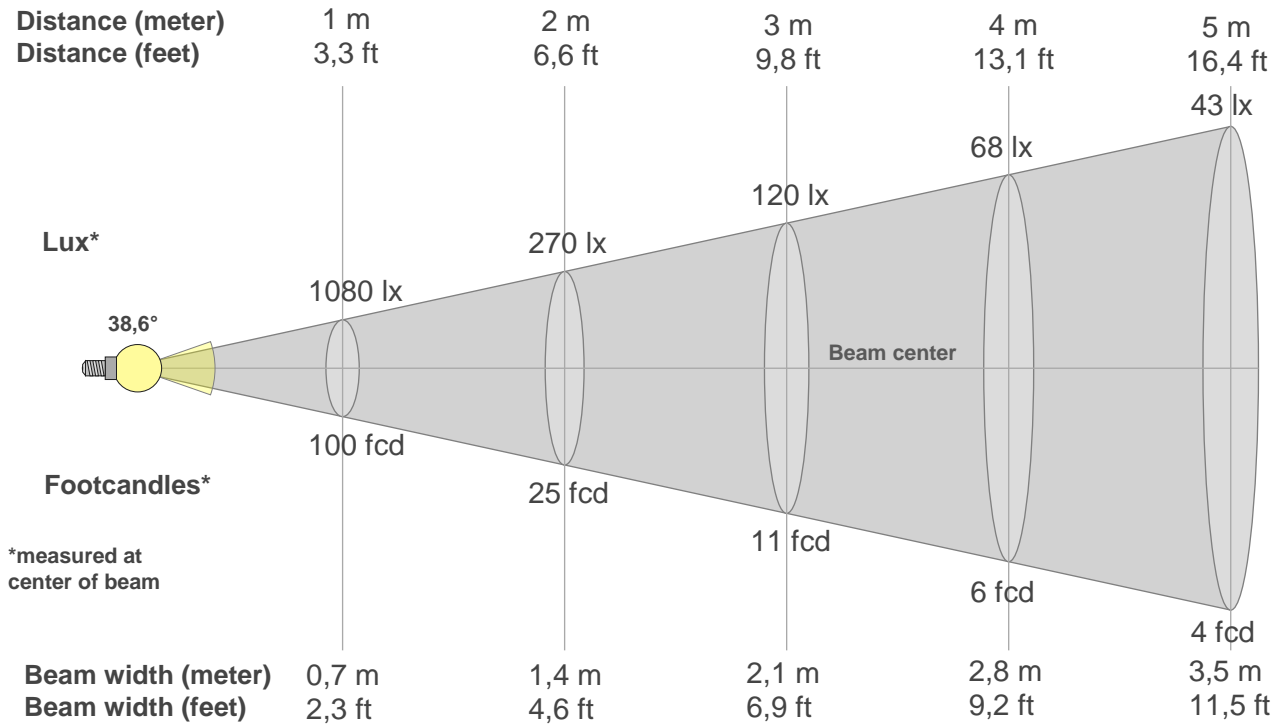
Conditions:

Number of c-planes: 4

Lux at center: 10,8 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
1080lx	270lx	120lx	68lx	43lx	30lx	22lx	17lx	13lx	11lx	9lx	8lx	6lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
100,4fc	25,1fcd	11,2fcd	6,3fcd	4fcd	2,8fcd	2fcd	1,6fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd	0,3fcd

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°
1080	1072	1046	1005	952	891	823	747	665	587	519	462	416	380	350	325	303	271	233	187
100%	99%	97%	93%	88%	82%	76%	69%	62%	54%	48%	43%	39%	35%	32%	30%	28%	25%	22%	17%

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°
1080	1073	1050	1011	959	898	828	749	665	585	515	456	409	373	344	321	294	258	211	159
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	48%	42%	38%	34%	32%	30%	27%	24%	20%	15%

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°
1080	1072	1046	1005	952	891	823	747	665	587	519	462	416	380	350	325	303	271	233	187
100%	99%	97%	93%	88%	82%	76%	69%	62%	54%	48%	43%	39%	35%	32%	30%	28%	25%	22%	17%

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°
1080	1073	1050	1011	959	898	828	749	665	585	515	456	409	373	344	321	294	258	211	159
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	48%	42%	38%	34%	32%	30%	27%	24%	20%	15%

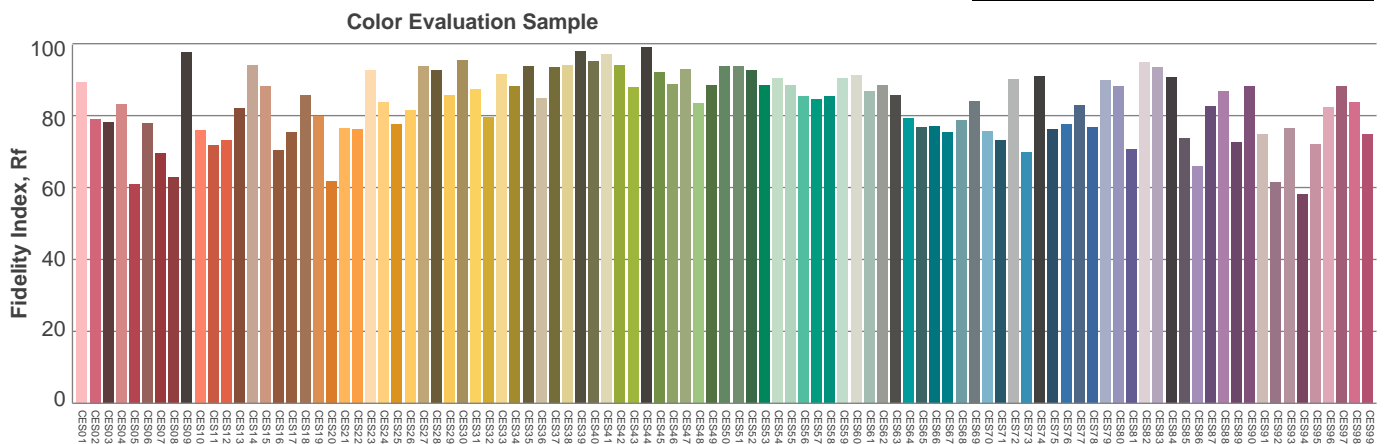
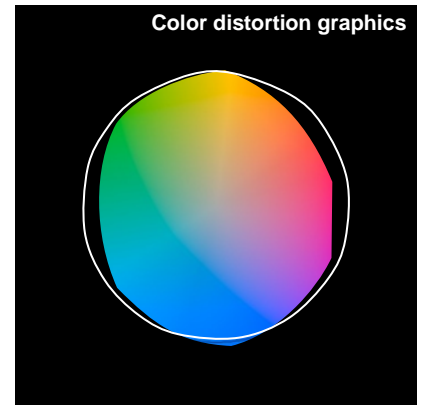
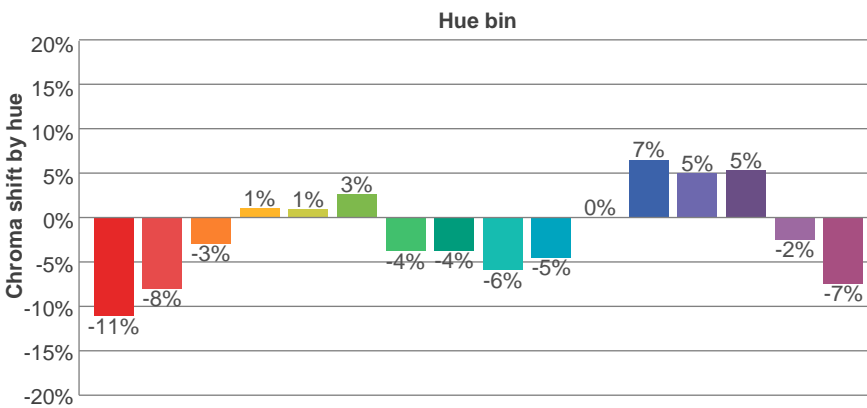
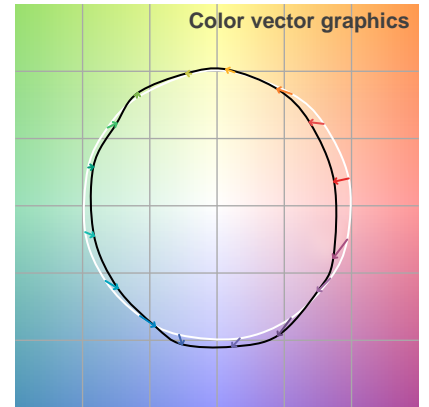
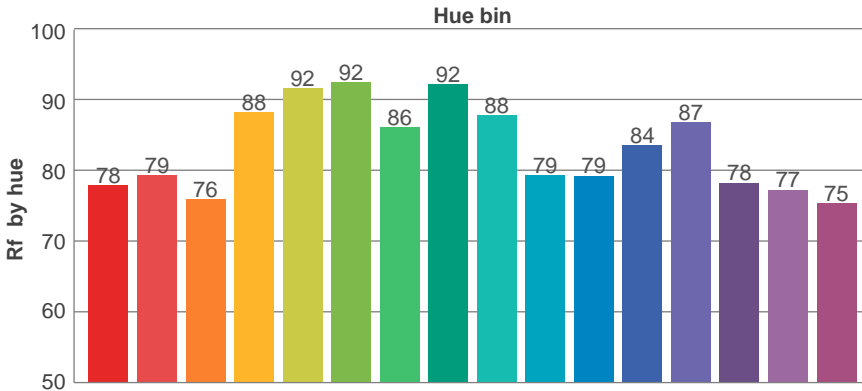
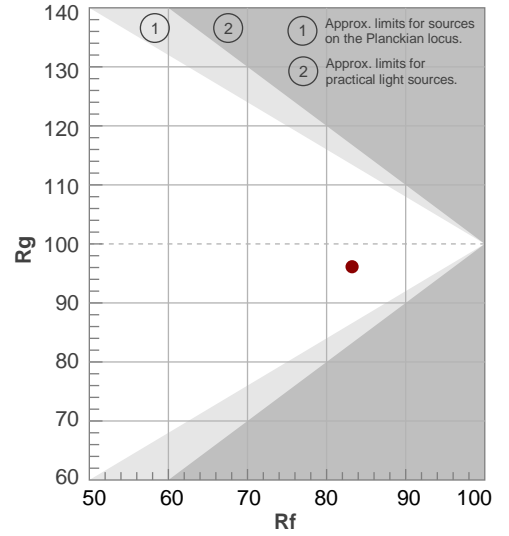
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,6°	81,9°	93,3°	97,5%	94,1%

TM30 details

Rf 83,2
Fidelity index Rf

Rg 96,1
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	0%
2	79	-8%	7%
3	76	-3%	11%
4	88	1%	7%
5	92	1%	4%
6	92	3%	-2%
7	86	-4%	-6%
8	92	-4%	-1%
9	88	-6%	4%
10	79	-5%	10%
11	79	0%	13%
12	84	7%	4%
13	87	5%	-7%
14	78	5%	-15%
15	77	-2%	-13%
16	75	-7%	-16%



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	19,5	20,2	19,7	20,4	20,6	19,3	20,0	19,6	20,2	20,4
	3H	19,6	20,3	19,9	20,5	20,8	19,4	20,1	19,7	20,3	20,5
	4H	19,8	20,4	20,1	20,7	20,9	19,5	20,1	19,8	20,3	20,6
	6H	20,0	20,6	20,4	20,9	21,2	19,5	20,1	19,8	20,4	20,6
	8H	20,1	20,7	20,5	21,0	21,3	19,5	20,0	19,8	20,3	20,6
	12H	20,2	20,7	20,5	21,0	21,3	19,5	20,0	19,8	20,3	20,6
4H	2H	19,4	20,0	19,7	20,3	20,5	19,2	19,8	19,5	20,1	20,4
	3H	19,6	20,2	20,0	20,5	20,8	19,4	19,9	19,7	20,2	20,5
	4H	19,9	20,4	20,3	20,7	21,0	19,6	20,0	19,9	20,4	20,7
	6H	20,3	20,7	20,7	21,1	21,4	19,7	20,1	20,1	20,4	20,8
	8H	20,5	20,8	20,9	21,2	21,6	19,7	20,0	20,1	20,4	20,8
	12H	20,6	20,9	21,0	21,3	21,7	19,7	19,9	20,1	20,4	20,8
8H	4H	20,0	20,3	20,4	20,7	21,1	19,6	20,0	20,0	20,4	20,8
	6H	20,5	20,7	20,9	21,2	21,6	19,8	20,1	20,3	20,5	20,9
	8H	20,7	20,9	21,2	21,4	21,8	19,8	20,1	20,3	20,5	21,0
	12H	20,8	21,0	21,3	21,5	22,0	19,8	20,0	20,3	20,5	20,9
12H	4H	19,9	20,2	20,4	20,6	21,1	19,6	19,9	20,1	20,3	20,7
	6H	20,5	20,7	20,9	21,1	21,6	19,8	20,1	20,3	20,5	21,0
	8H	20,7	20,9	21,2	21,4	21,9	19,9	20,0	20,4	20,5	21,0
Variation of the observer position for the luminaire distance S											
S = 1,0H	+2,8 / -2,3					+3,3 / -3,3					
S = 1,5H	+5,2 / -2,6					+5,9 / -3,6					
S = 2,0H	+7,0 / -2,8					+7,8 / -4,1					
Standard table	BK02					BK01					
Correction summand	2,4					1,6					
Corrected glare indices referring to 689 lm total luminous flux											

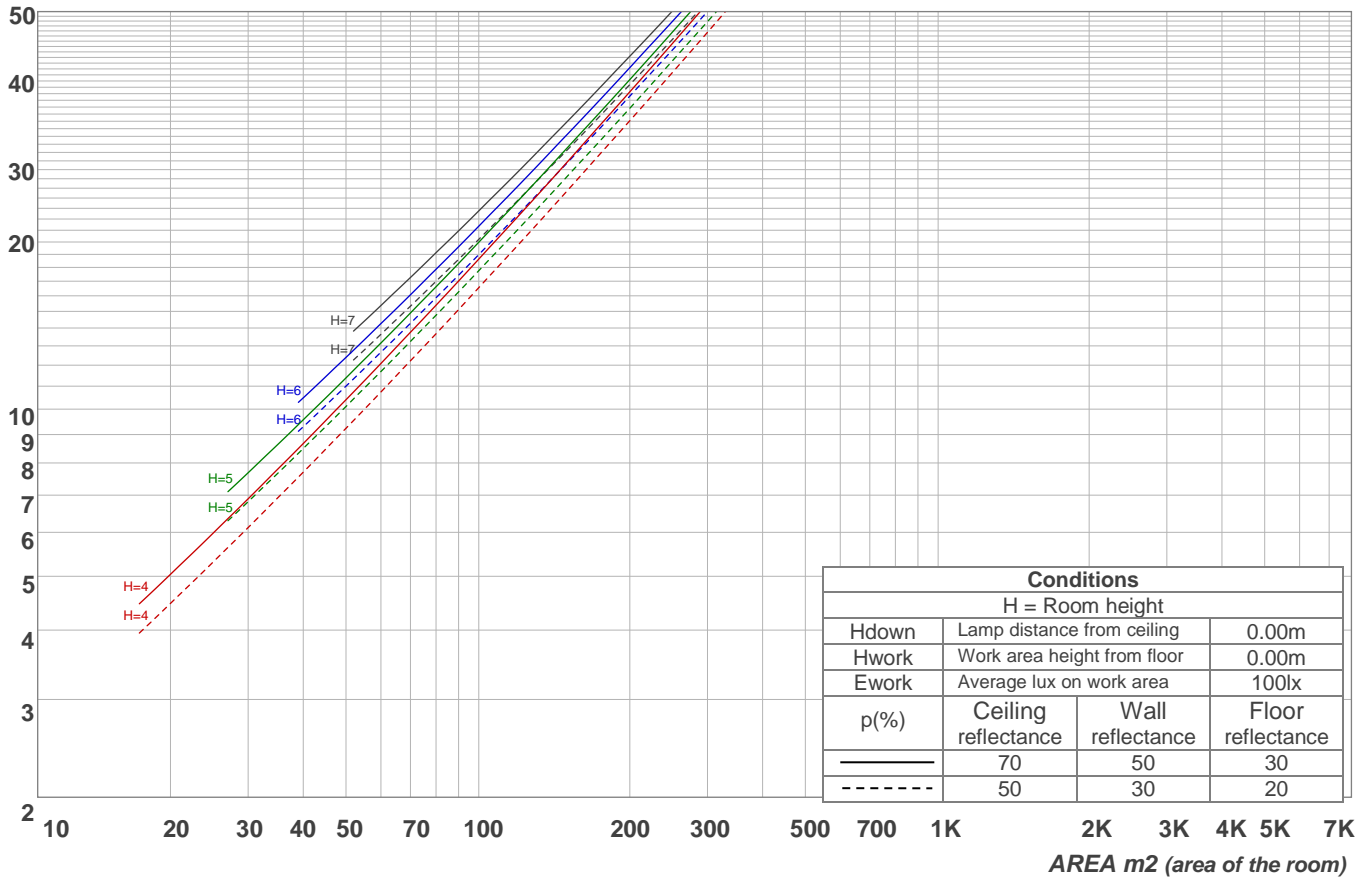
Light planning

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
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
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51

LAMPS (number of lamps)

Luminaire budgetary diagram

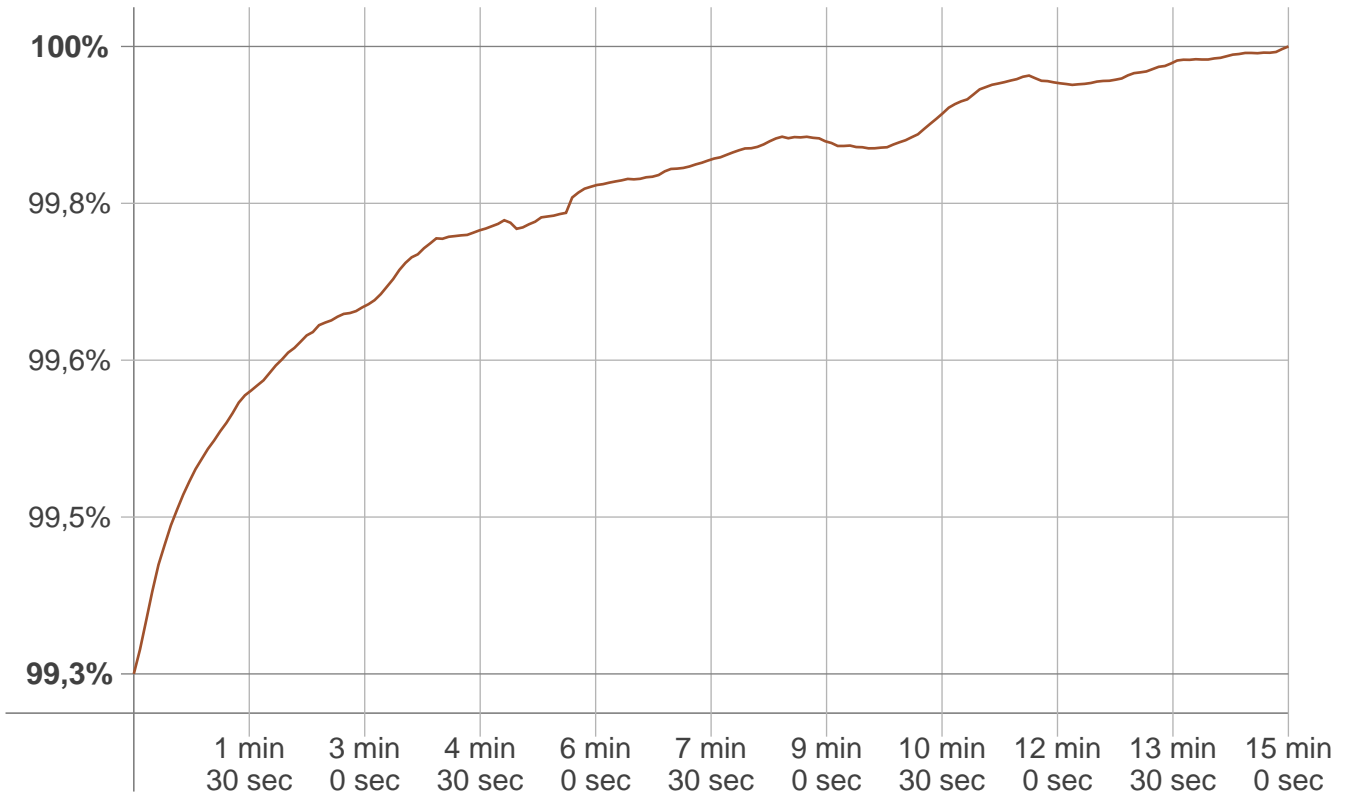


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
93,9 lm	194 lm	183 lm	146 lm	41,0 lm	13,1 lm	8,87 lm	6,25 lm	1,70 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,019 lm	0,015 lm	0,016 lm	0,019 lm	0,029 lm	0,037 lm	0,040 lm	0,023 lm	0,004 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 0 sec
Warmup variation	+0,7%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
2999 K	+12 K	3011 K

Output change

Output start	Output change	Output end
684 lm	+5 lm	689 lm