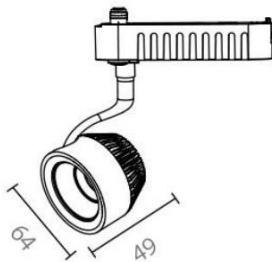




Dimensiones (mm)

Ancho: Ø64
Alto: 49.



Código

KTWA8551

Descripción

Luminaria tipo spot, diseñada con COB de LED integrado. Compuesta por un óptico especular facetado, un disipador en aluminio. Giro del cabezal 350°.




Materiales y acabado

Cuerpo en aluminio con acabado en pintura poliéster electrostática en polvo.

Color

Blanco.

Características técnicas

LED	 38°	 30,000h	IP 20
PF 0,51	°C 0-55	V 120-240	

Fuente de luz

COB de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
6,2W	>80	3000	104	740

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 7,1W.

Light efficiency:



Light quality:



Color temperature:



Output: 740 lm

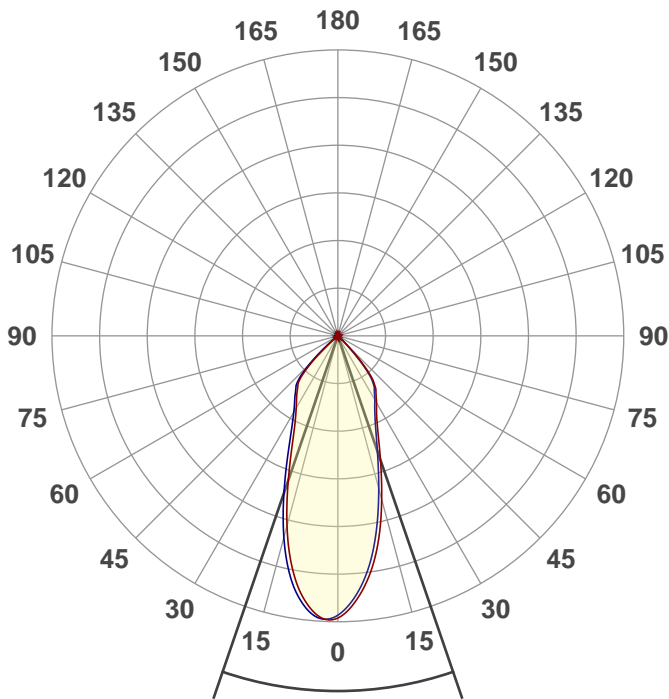
Peak: 1131 cd

Power: 7,1 W

PF: 0,51



Product name:
E0167-KTWA8551



Beam angle

37,9°



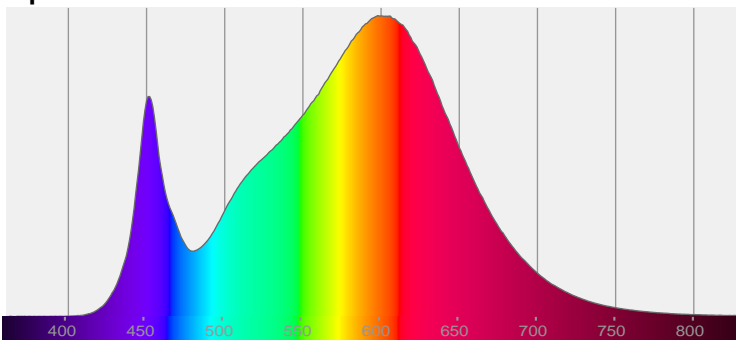
CIE 1931
x: 0,418
y: 0,393

THD Values:

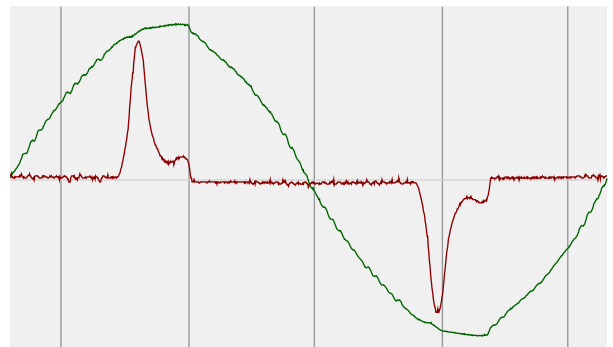
Voltage: 2,58%

Current: 155,32%

Spectra

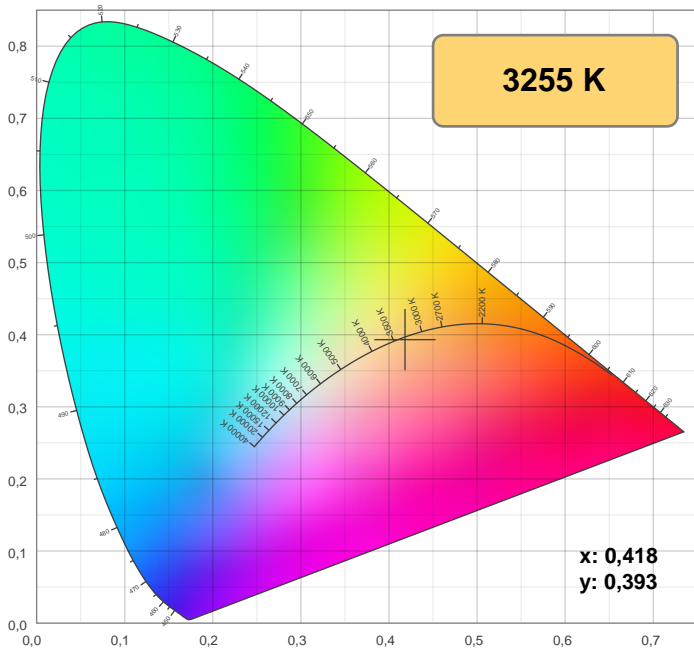


Power



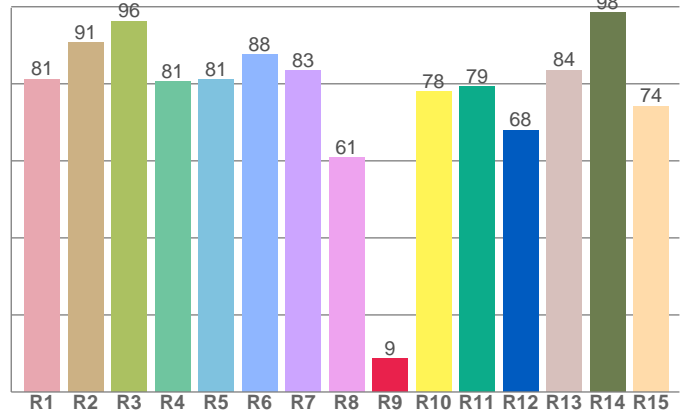
Voltage: 116 V
Current: 0,119 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 82,7 (R1-R8)

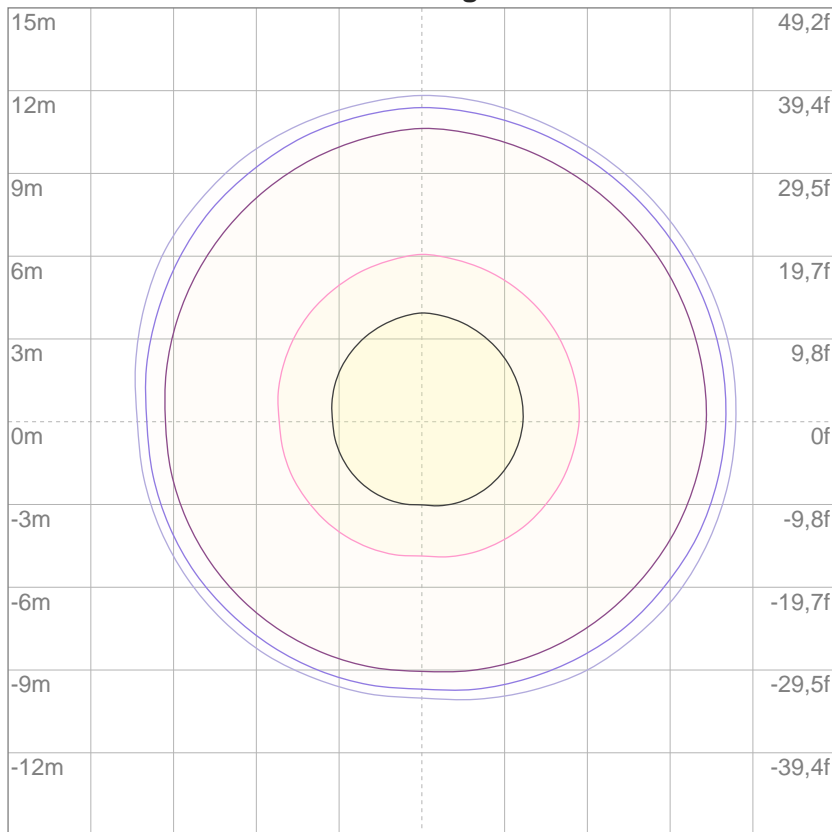


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
81,2	90,7	96,2	80,5	81,1	87,6	83,4	60,9	8,7	78,0	79,2	68,0	83,5	98,4	74,2

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,335 lx
5%	0,558 lx
10%	1,12 lx
30%	3,35 lx
50%	5,58 lx

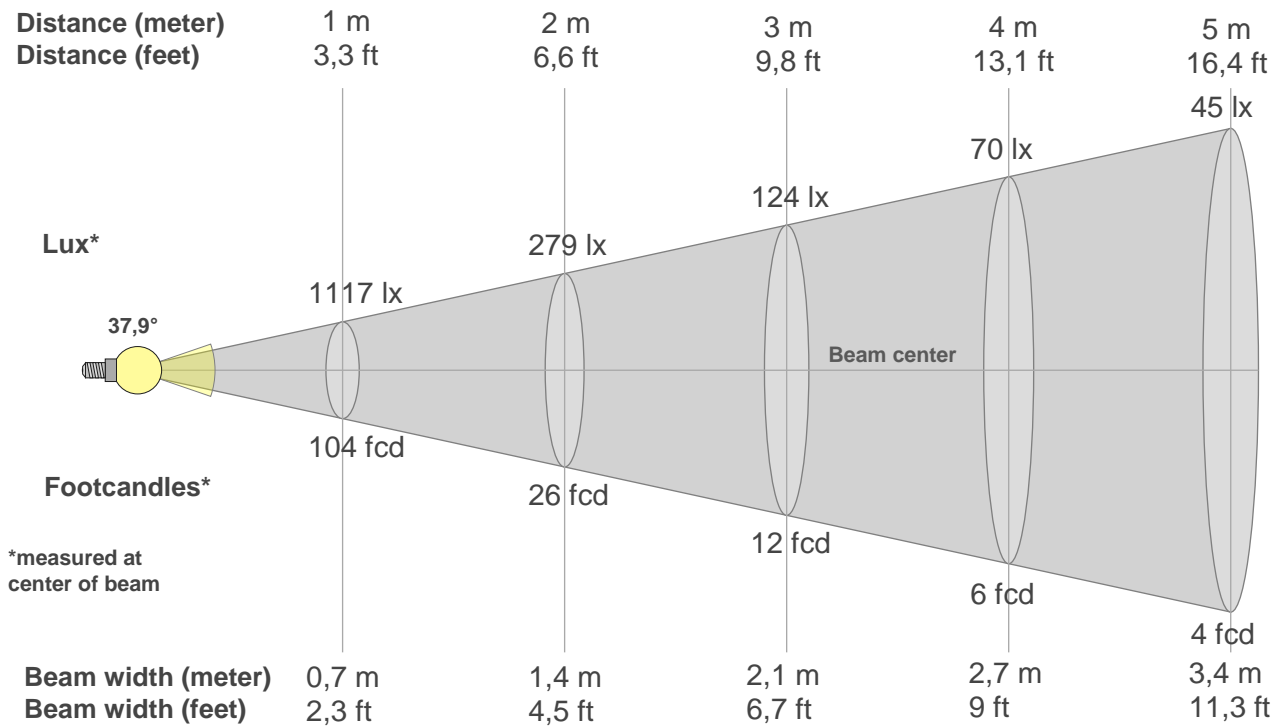
Conditions:

Number of c-planes: 4

Lux at center: 11,2 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
1117lx	279lx	124lx	70lx	45lx	31lx	23lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
103,8fcd	25,9fcd	11,5fcd	6,5fcd	4,2fcd	2,9fcd	2,1fcd	1,6fcd	1,3fcd	1fcd	0,9fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	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°
1117	1095	1054	1004	945	876	799	716	633	556	488	430	385	352	328	308	288	271	255	230
100%	98%	94%	90%	85%	78%	72%	64%	57%	50%	44%	39%	35%	32%	29%	28%	26%	24%	23%	21%

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°
1117	1079	1035	980	915	838	755	670	589	515	453	403	365	335	313	294	275	260	243	217
100%	97%	93%	88%	82%	75%	68%	60%	53%	46%	41%	36%	33%	30%	28%	26%	25%	23%	22%	19%

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°
1117	1130	1117	1085	1039	980	908	826	737	648	565	493	434	390	357	331	311	293	276	260
100%	101%	100%	97%	93%	88%	81%	74%	66%	58%	51%	44%	39%	35%	32%	30%	28%	26%	25%	23%

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°
1117	1127	1124	1102	1064	1013	948	871	788	701	617	541	476	423	383	351	327	307	289	272
100%	101%	101%	99%	95%	91%	85%	78%	71%	63%	55%	48%	43%	38%	34%	31%	29%	27%	26%	24%

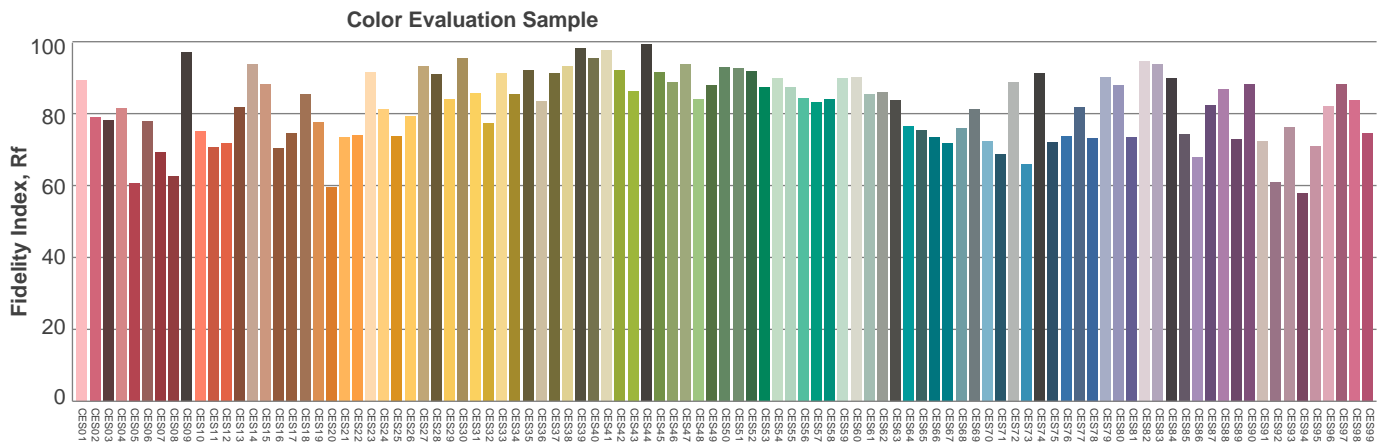
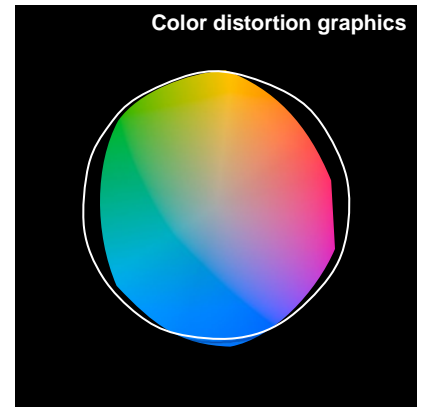
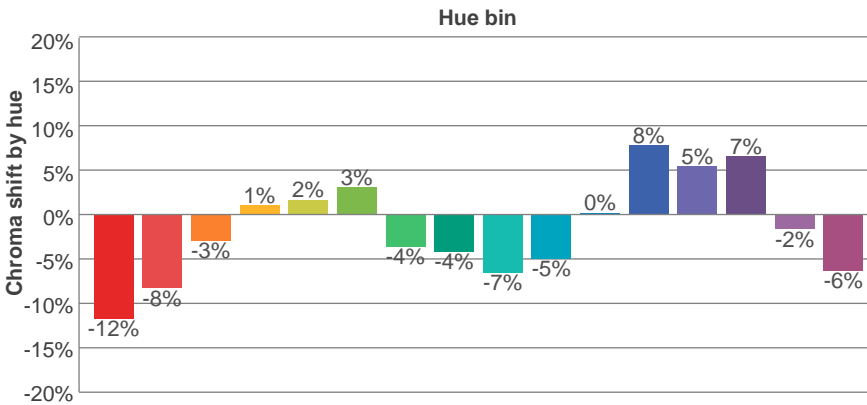
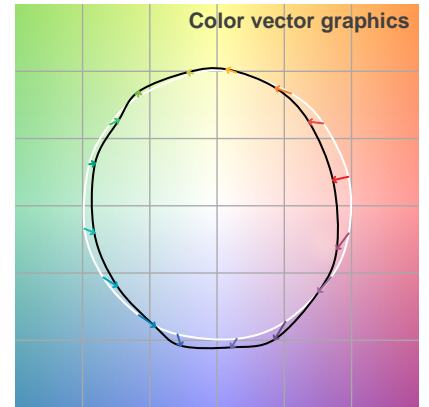
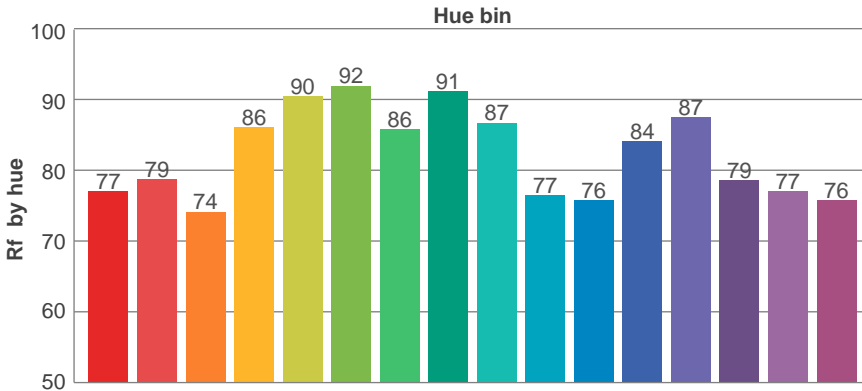
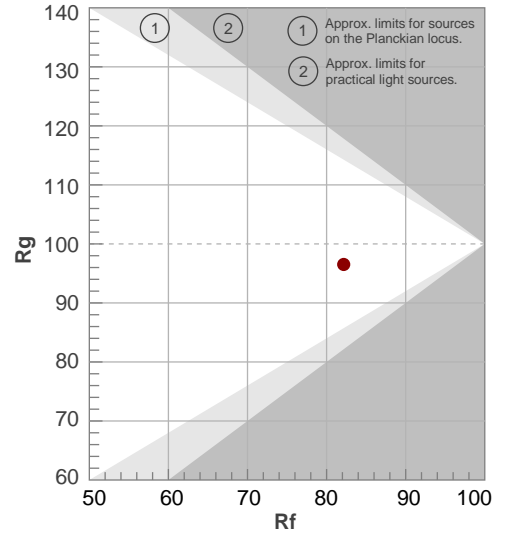
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37,9°	88,7°	95,4°	99,2%	96,0%

TM30 details

Rf 82,2
Fidelity index Rf

Rg 96,5
Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	0%
2	79	-8%	7%
3	74	-3%	12%
4	86	1%	8%
5	90	2%	4%
6	92	3%	-3%
7	86	-4%	-6%
8	91	-4%	-2%
9	87	-7%	4%
10	77	-5%	11%
11	76	0%	15%
12	84	8%	4%
13	87	5%	-5%
14	79	7%	-14%
15	77	-2%	-14%
16	76	-6%	-13%



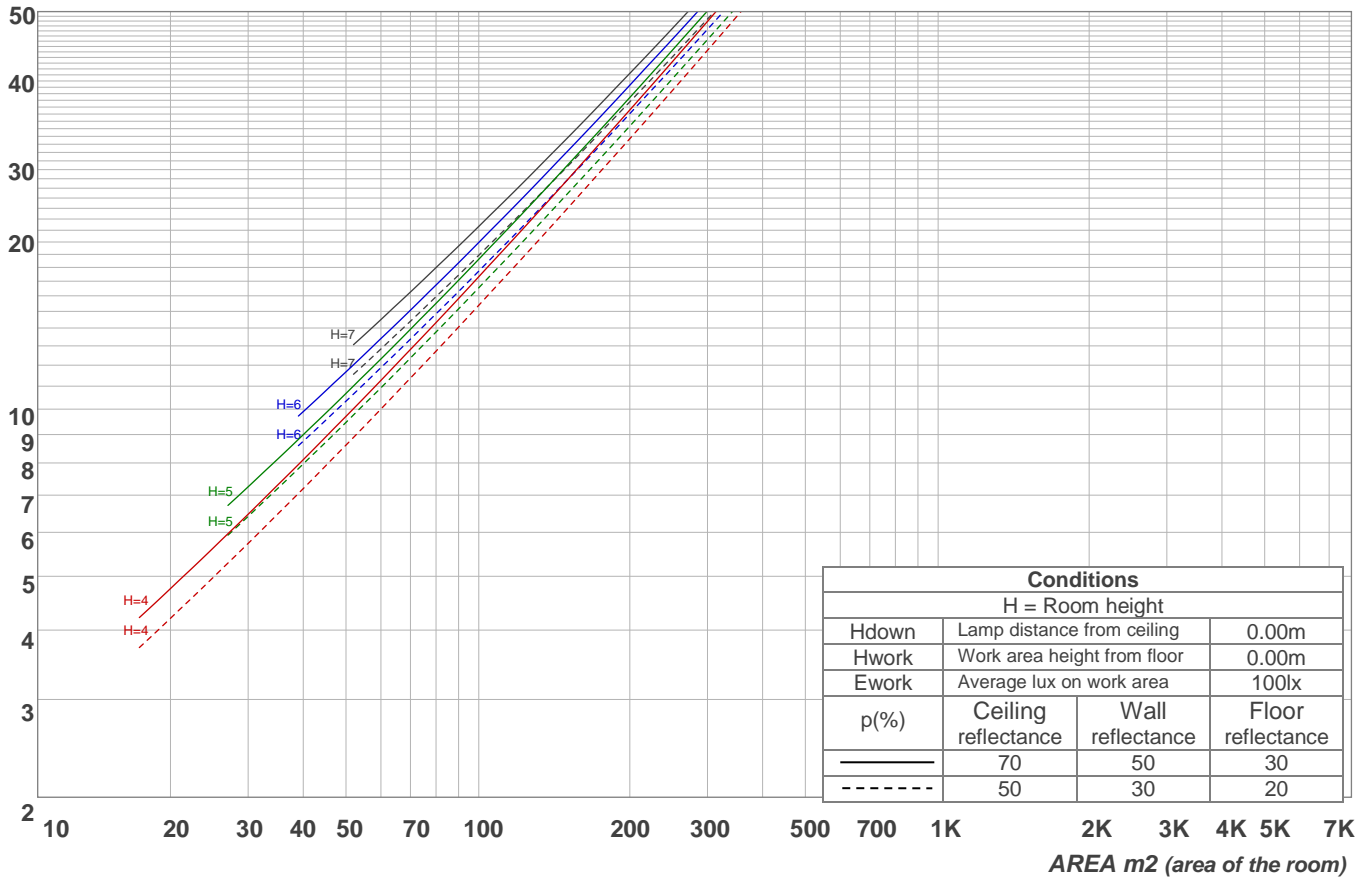
Light planning

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	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	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	75	70	67	73	69	66	65
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	69	63	59	78	69	63	59	68	62	59	67	62	58	66	61	58	57
9	75	65	60	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

LAMPS (number of lamps)

Luminaire budgetary diagram

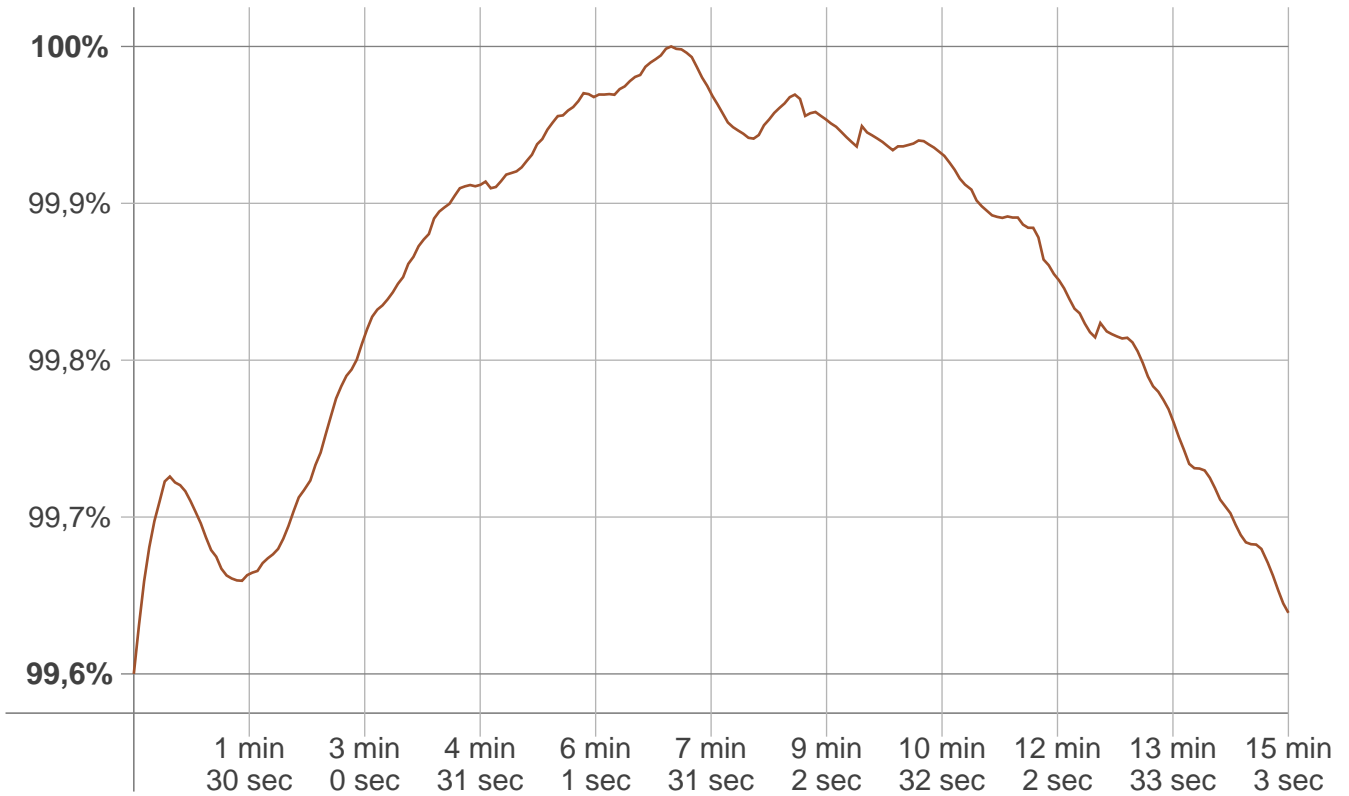


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
97,2 lm	200 lm	184 lm	170 lm	78,5 lm	4,06 lm	2,31 lm	1,92 lm	1,14 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,049 lm	0,048 lm	0,046 lm	0,053 lm	0,070 lm	0,085 lm	0,082 lm	0,045 lm	0,010 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 3 sec
Warmup variation	+0,4%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3246 K	+9 K	3255 K

Output change

Output start	Output change	Output end
740 lm	+1 lm	740 lm