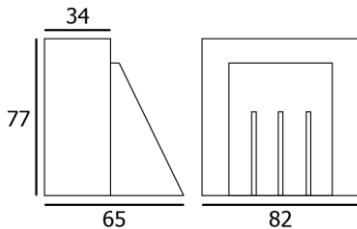


Luminaria para exterior



Dimensiones (mm)

Ancho: 82; Alto: 77
Profundidad: 65.



Código

1551

Descripción

Luminaria tipo aplique decorativo, diseñada con un COB de LED integrado. Para sobreponer en pared o muro, con óptico especular y difusor en vidrio templado transparente.



Materiales y acabado

Cuerpo en aluminio inyectado, con acabado en pintura poliéster electrostática texturizada.

Color

Gris.

Características técnicas

LED	 100°	 30,000h	IP 54	IK 08
PF 0,57	°C 0-55	V 230	Hz 50	

Fuente de luz

COB de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
1,5W	>80	4000	179	269

Características de fuente de luz

- Colores temperatura disponible 4000K (neutro).

Light efficiency:



Light quality:



Color temperature:

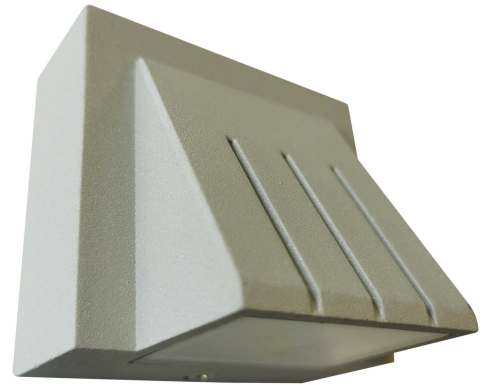


Output: 269 lm

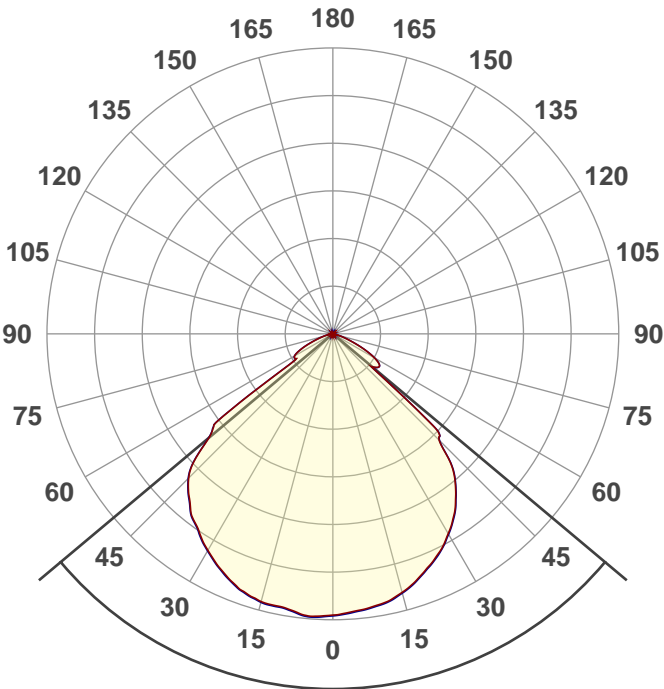
Peak: 128 cd

Power: 1,5 W

PF: 0,57



Product name:
E0238-1551



Beam angle

100°



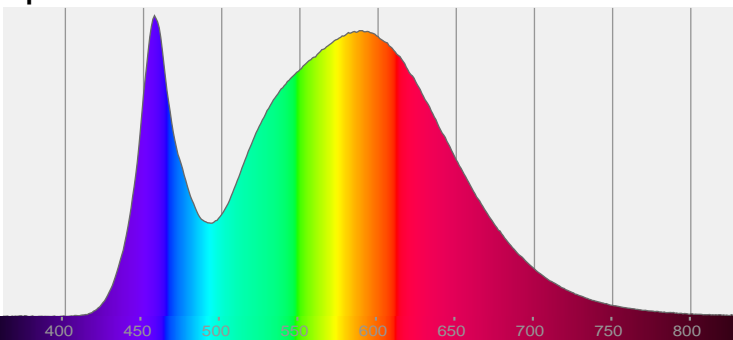
CIE 1931
x: 0,382
y: 0,381

THD Values:

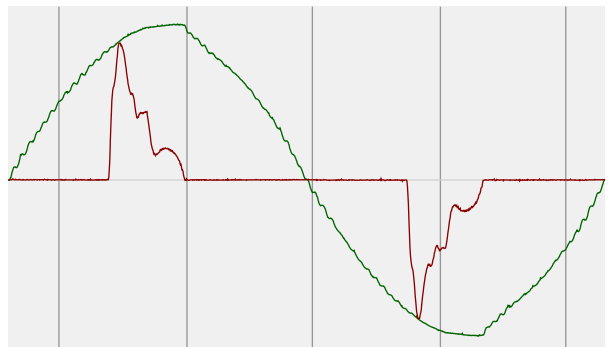
Voltage: 2,36%

Current: 135,28%

Spectra

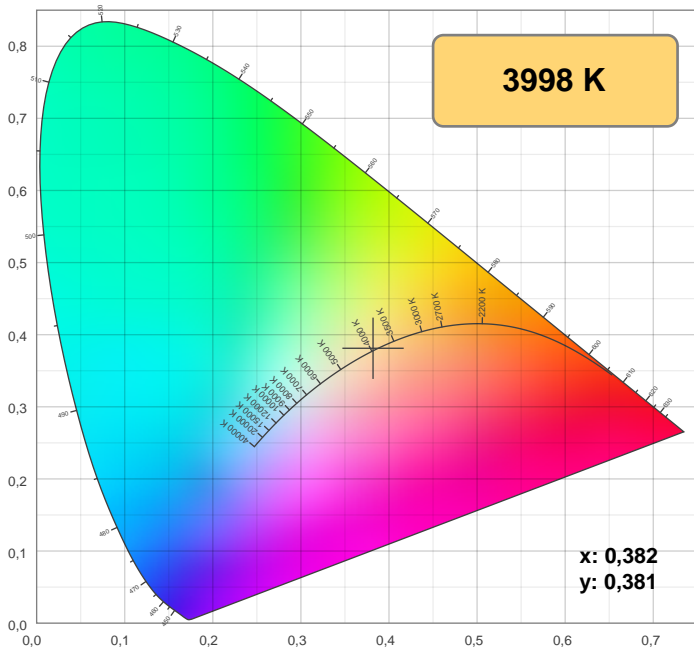


Power



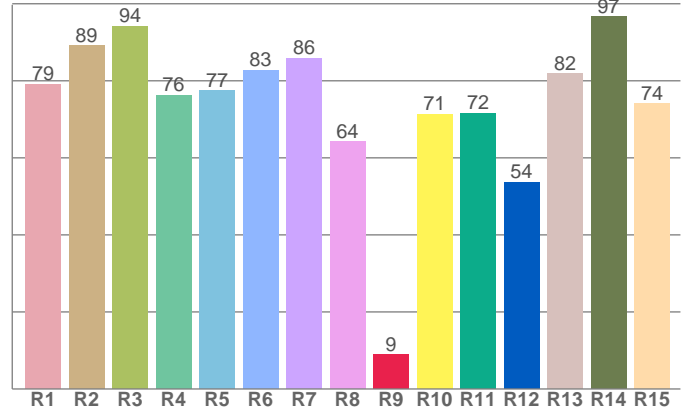
Voltage: 116 V
Current: 0,023 A
Frequency: 60,1 Hz

Color details



CIE 1931

CRI: 81,1 (R1-R8)

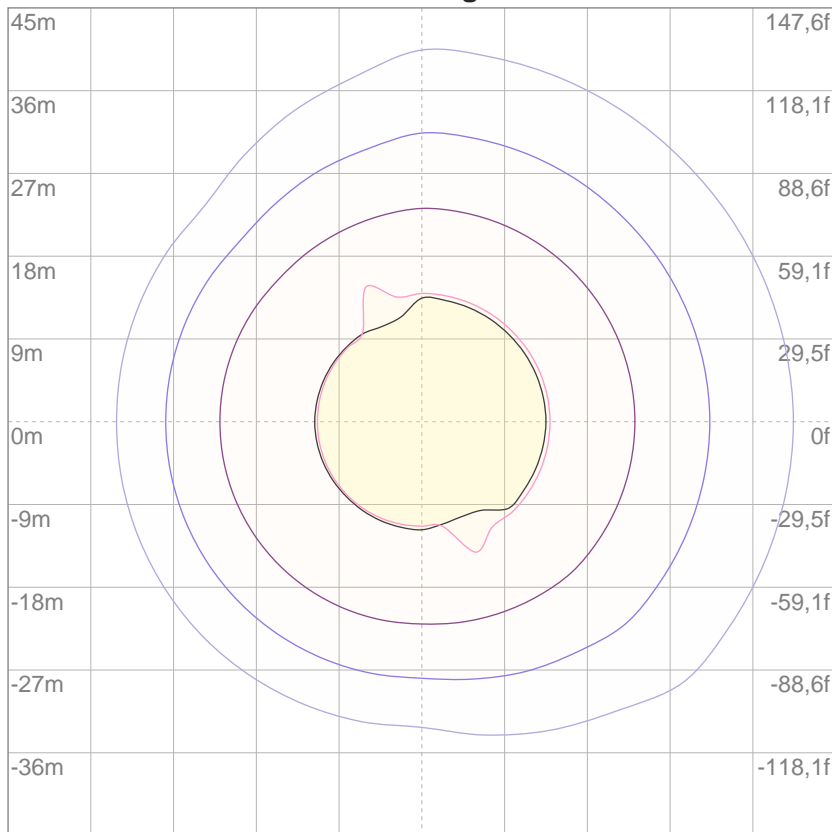


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
79,2	89,1	94,1	76,2	77,4	82,7	85,9	64,2	9,0	71,3	71,6	53,7	81,8	96,6	74,1

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

- 3% 38,1m lx
- 5% 63,5m lx
- 10% 0,127 lx
- 30% 0,381 lx
- 50% 0,635 lx

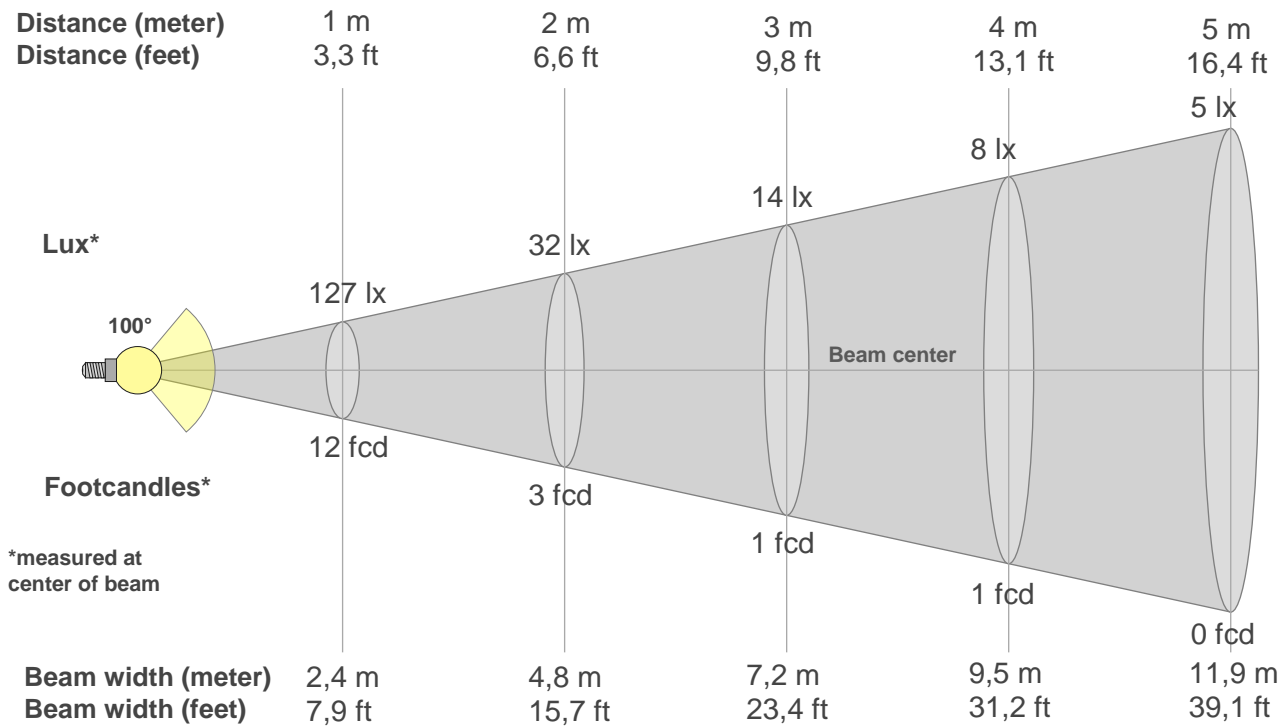
Conditions:

Number of c-planes: 8

Lux at center: 1,27 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
127lx	32lx	14lx	8lx	5lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11,8fcd	2,9fcd	1,3fcd	0,7fcd	0,5fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

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°
127	125	124	121	116	111	104	96	86	68	24	26	22	14	7	3	1	0	0	0
100%	99%	97%	95%	91%	87%	82%	76%	67%	53%	19%	20%	17%	11%	5%	2%	1%	0%	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°
127	126	124	121	116	111	104	96	86	68	24	26	22	14	7	3	1	0	0	0
100%	99%	98%	95%	92%	87%	82%	76%	68%	54%	19%	20%	17%	11%	5%	2%	1%	0%	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°
127	128	125	125	122	118	113	106	100	92	73	23	20	15	9	4	2	1	0	0
100%	100%	99%	98%	96%	93%	89%	84%	79%	72%	58%	18%	16%	12%	7%	4%	2%	1%	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°
127	128	126	125	123	118	113	107	100	92	73	23	20	15	9	4	2	1	0	0
100%	101%	99%	99%	97%	93%	89%	84%	79%	73%	58%	18%	16%	12%	7%	4%	2%	1%	0%	0%

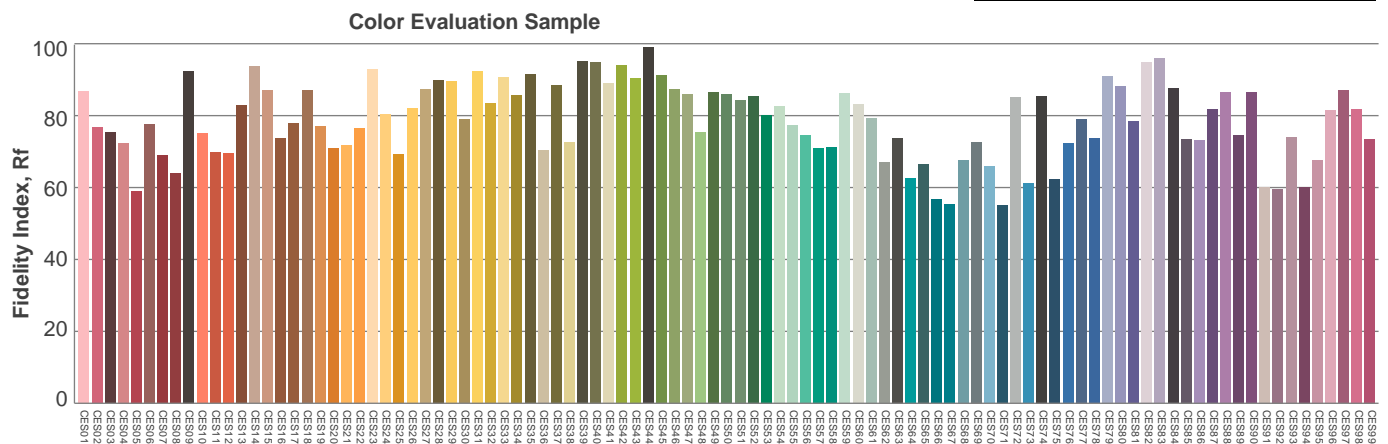
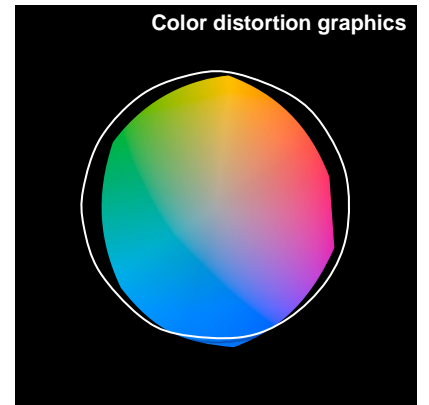
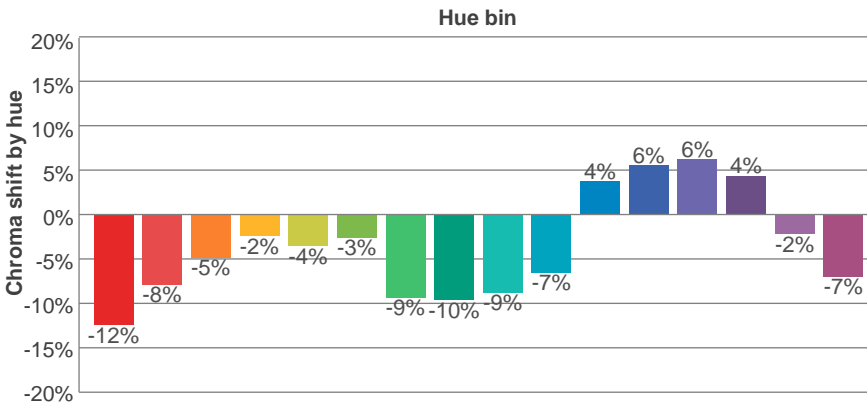
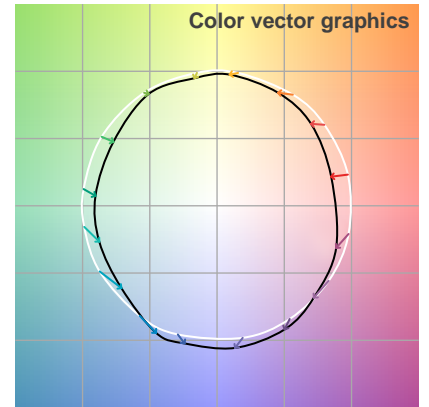
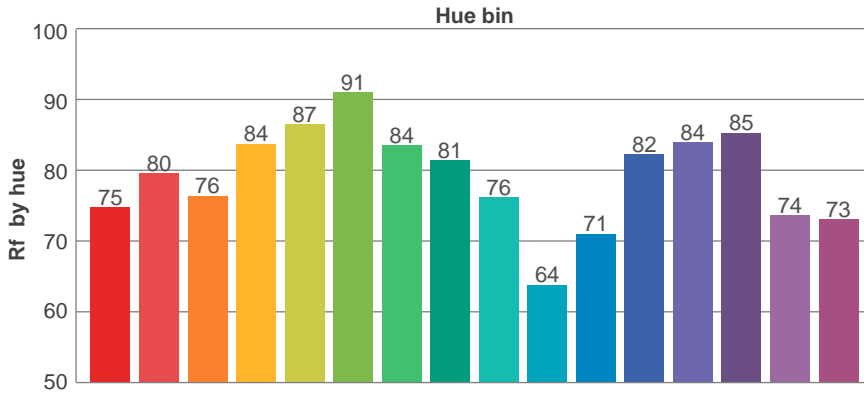
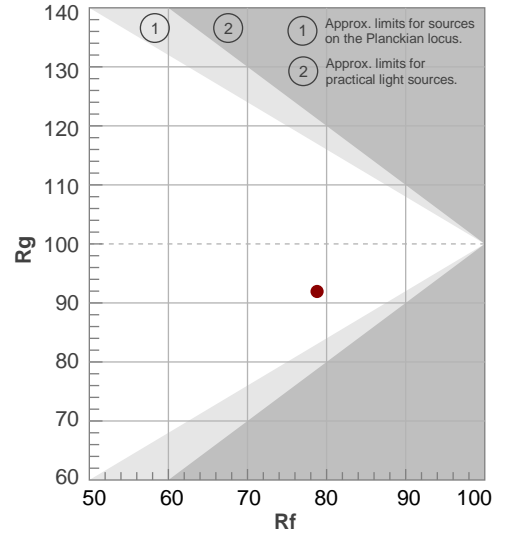
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
100°	132,1°	151,7°	93,0%	72,4%

TM30 details

Rf 78,8
Fidelity index Rf

Rg 91,9
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	-12%	1%
2	80	-8%	6%
3	76	-5%	10%
4	84	-2%	6%
5	87	-4%	3%
6	91	-3%	-2%
7	84	-9%	-2%
8	81	-10%	3%
9	76	-9%	13%
10	64	-7%	19%
11	71	4%	17%
12	82	6%	6%
13	84	6%	-7%
14	85	4%	-7%
15	74	-2%	-17%
16	73	-7%	-12%



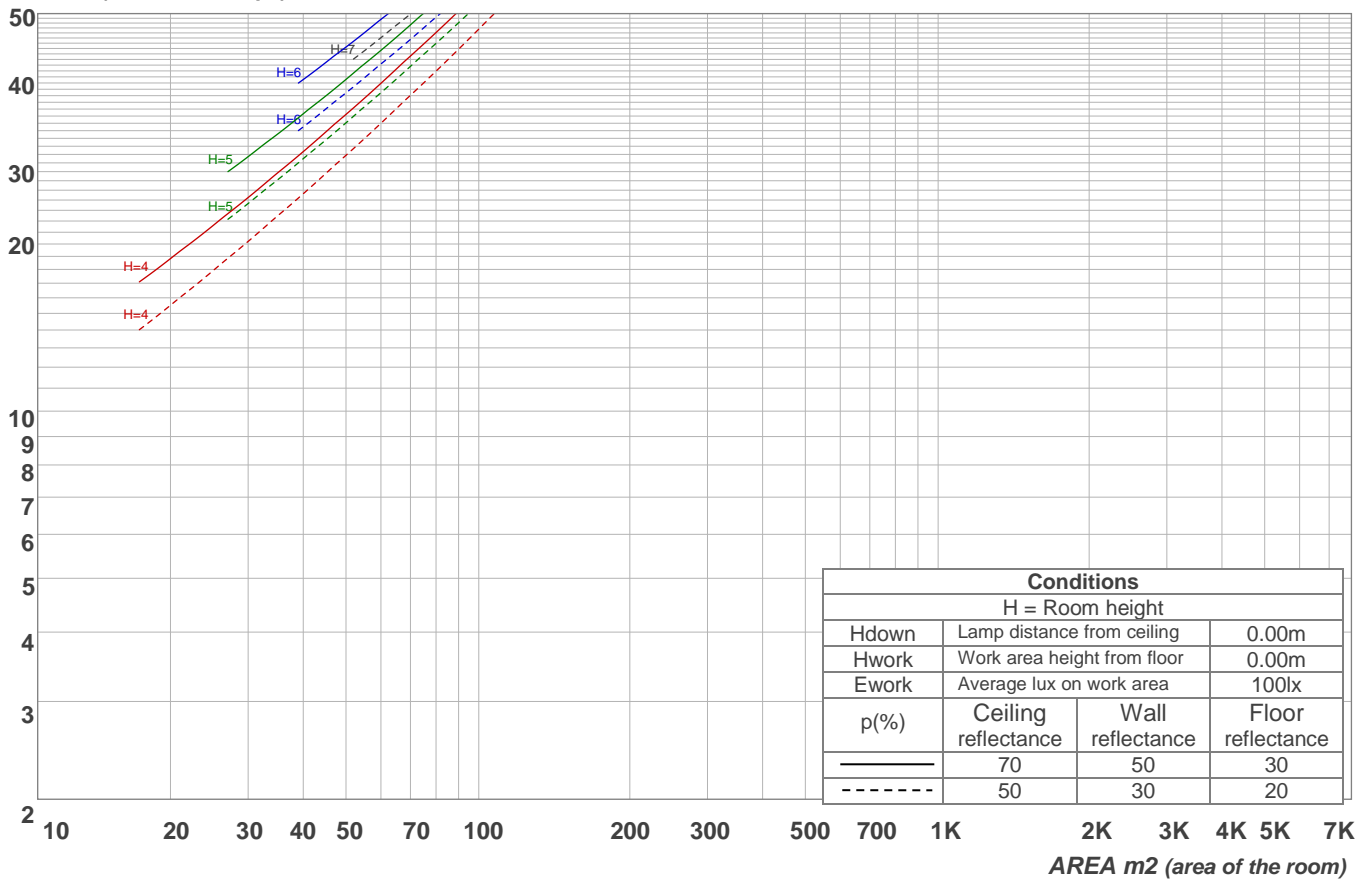
Light planning

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43
8	66	54	46	41	65	53	46	41	52	45	41	51	45	41	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

LAMPS (number of lamps)

Luminaire budgetary diagram

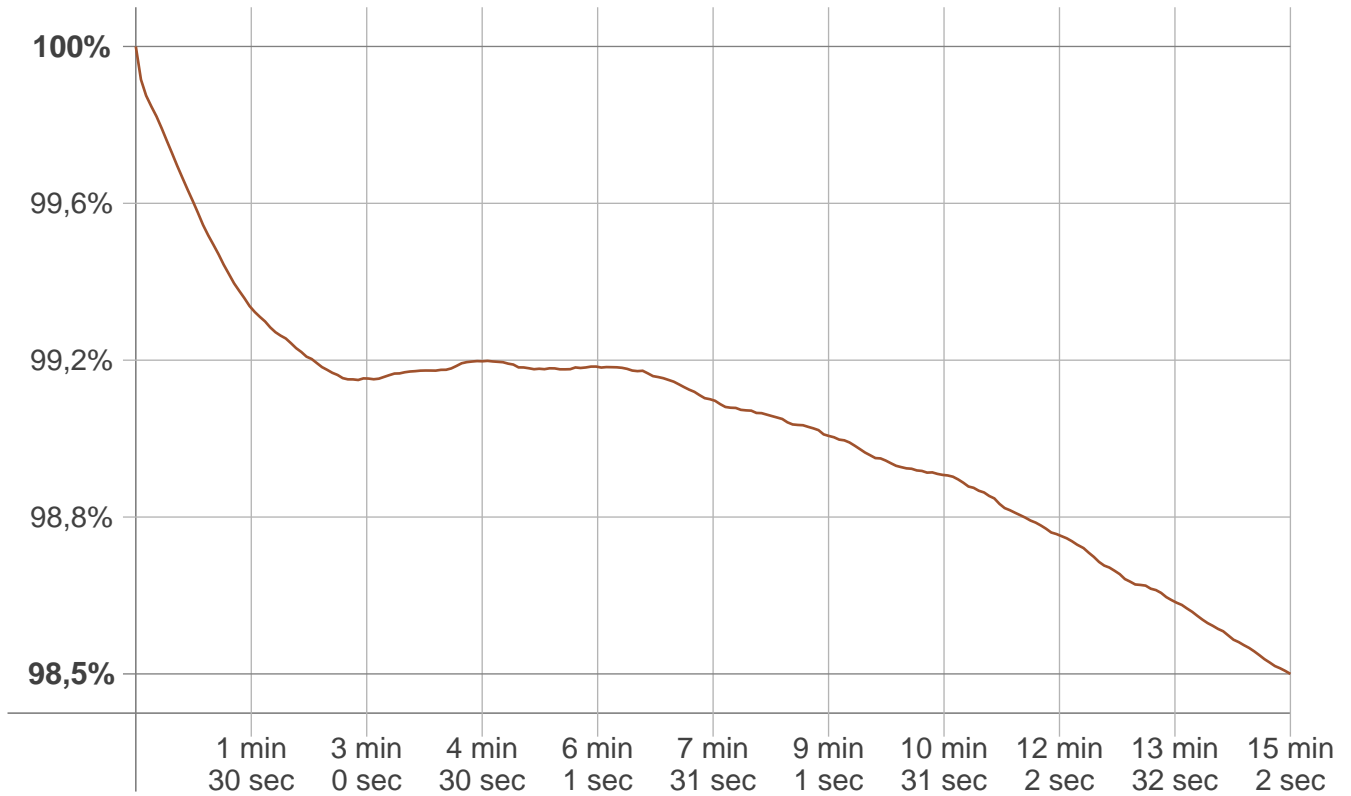


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
12,0 lm	34,6 lm	52,7 lm	63,4 lm	59,4 lm	28,2 lm	14,0 lm	4,10 lm	0,564 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,015 lm	0,012 lm	0,011 lm	0,012 lm	0,013 lm	0,011 lm	0,009 lm	0,005 lm	0,001 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 2 sec
Warmup variation	-1,5%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3985 K	+13 K	3998 K

Output change

Output start	Output change	Output end
272 lm	-3 lm	269 lm