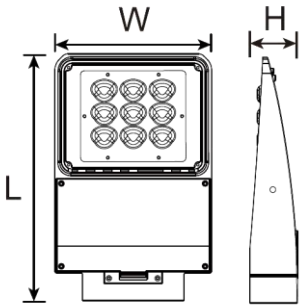
Luminaria para exterior

Dimensiones (mm)

Largo (L): 340; **Ancho (W):** 220
Alto (H): 65.



Tipos de sujeción

Código

CESIO-75W

Descripción

Luminaria diseñada para uso exterior, con módulos de LED integrados. Compuesta por óptico tipo lente el cual genera una apertura adecuada para la aplicación de la luminaria.

Materiales y acabado

Cuerpo y disipador en aluminio inyectado. Sujetador fabricado en lámina de hierro. Todas las piezas con acabado en pintura poliéster electroestática en polvo.

Color

Negro.

Características técnicas

LED	107°	50,000h	**IP 65**	**IK 08**
PF >0,9	**THD** <10%	**°C** -30-50	**V** 90-305	

Fuente de luz

Módulos de LED integrados.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
75W	>70	5000	96	7133

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 74,4W.

Nota: Debido a continua investigación, nos reservamos el derecho de cambiar especificaciones sin previa notificación.

Light efficiency:

96 Lumen/Watt

Light quality:

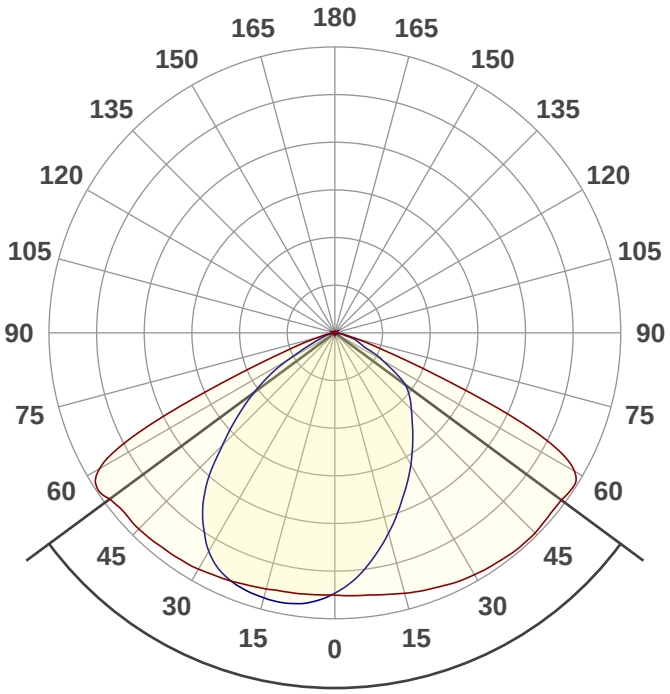
CRI: 72,4

Color temperature:

5000 K

Output: 7133 lm
Peak: 2541 cd

Power: 74,4 W
PF: 1,0



Product name:
E0117-CESIO-75W

Beam angle

107,1°

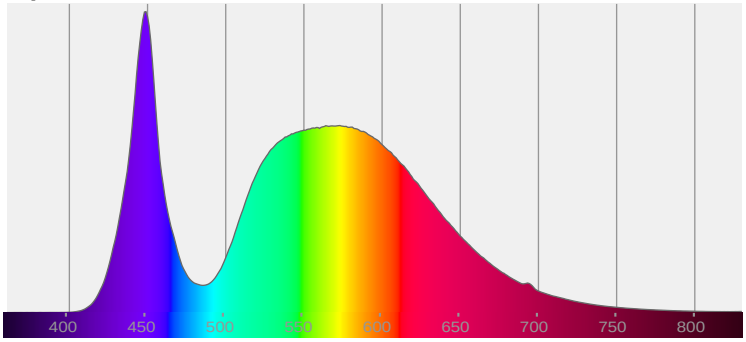
CIE 1931
x: 0,345
y: 0,352

THD Values:

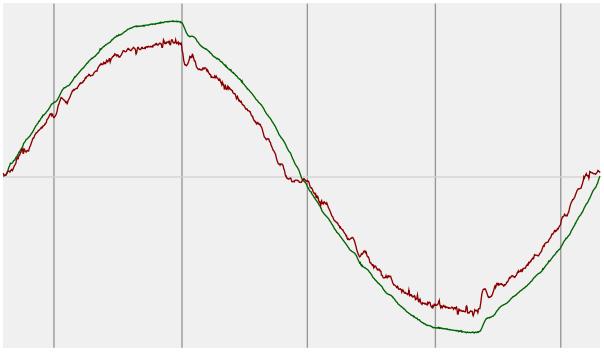
Voltage: 2,55%

Current: 5,79%

Spectra

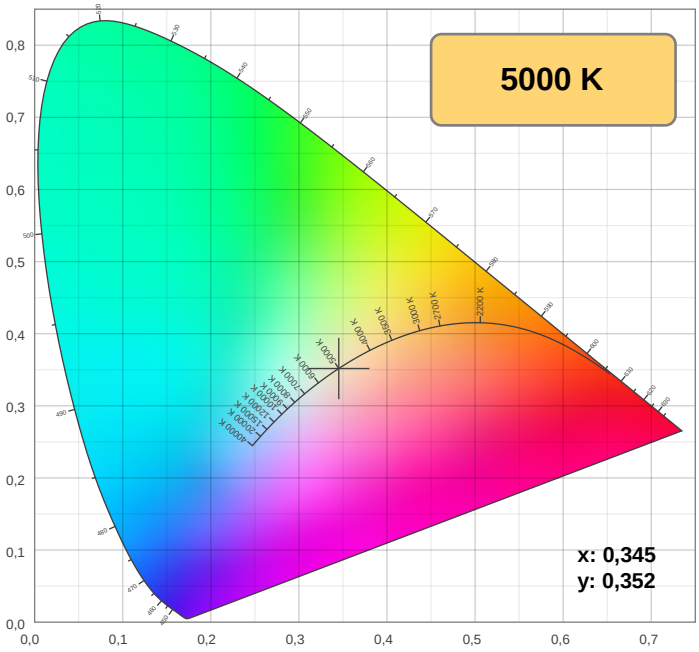


Power



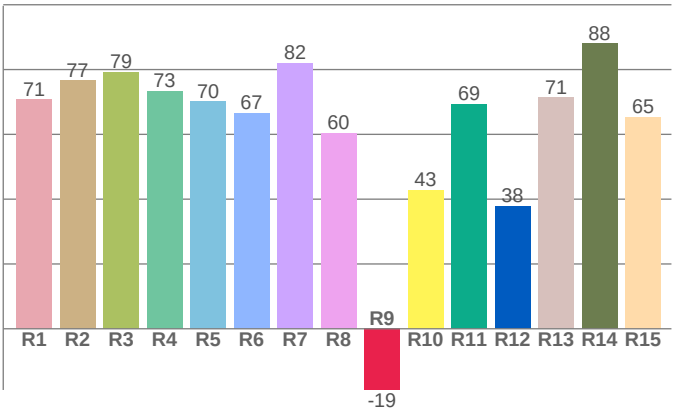
Voltage: 110 V
Current: 0,679 A
Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 72,4 (R1-R8)

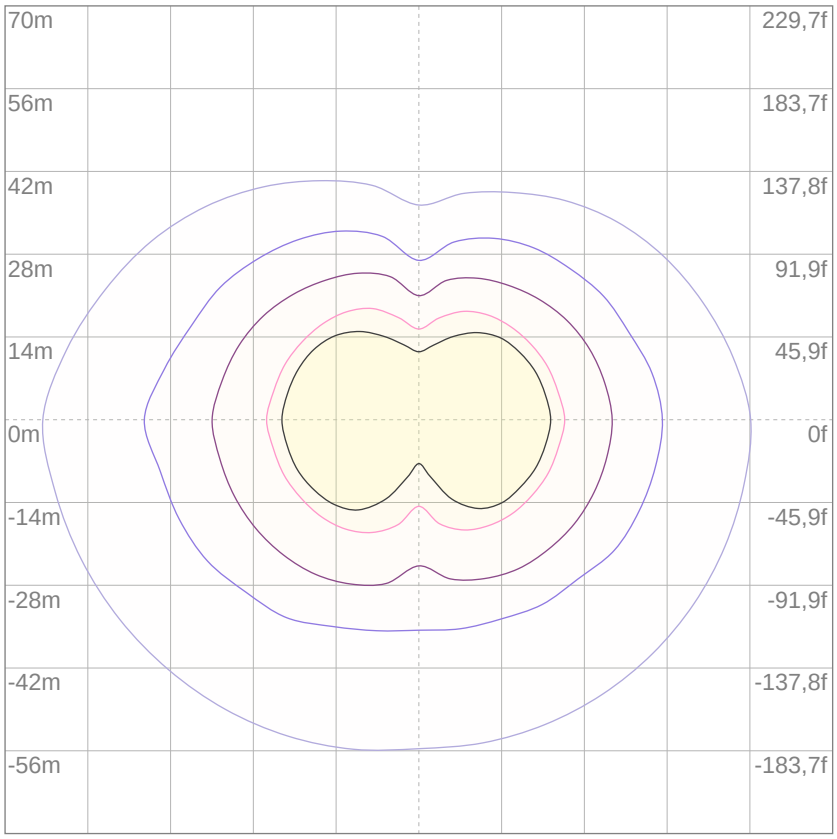


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
70,8	76,6	79,2	73,4	70,1	66,6	81,9	60,4	-18,9	42,7	69,3	37,9	71,3	88,0	65,4

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,701 lx
5%	1,17 lx
10%	2,34 lx
30%	7,01 lx
50%	11,7 lx

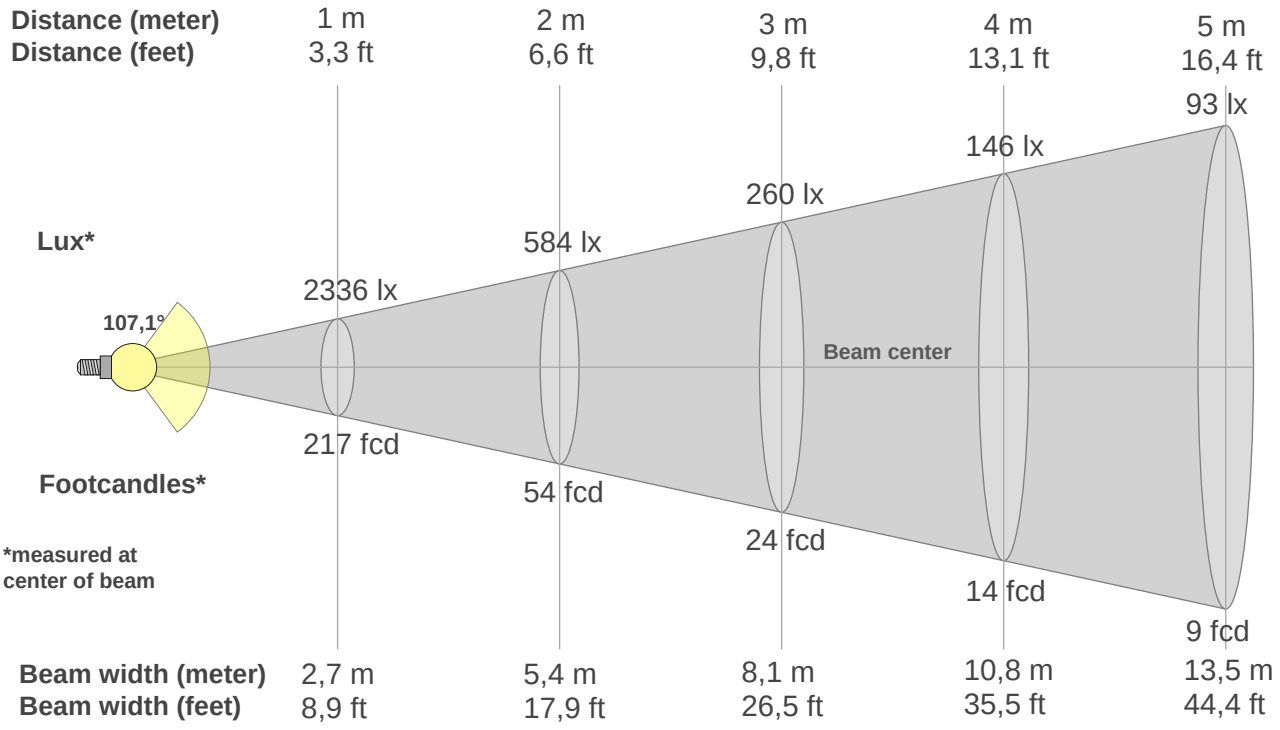
Conditions:

Number of c-planes: 4

Lux at center: 23,4 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
2336lx	584lx	260lx	146lx	93lx	65lx	48lx	37lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
217fcd	54,3fcd	24,1fcd	13,6fcd	8,7fcd	6fcd	4,4fcd	3,4fcd	2,7fcd	2,2fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,8fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd

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°
2336	2359	2378	2411	2442	2474	2497	2514	2530	2531	2516	2528	2473	1664	521	191	85	22	1	0
100%	101%	102%	103%	105%	106%	107%	108%	108%	108%	108%	108%	106%	71%	22%	8%	4%	1%	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°
2336	2200	2031	1854	1677	1512	1360	1213	1080	967	868	727	494	283	207	103	68	19	0	0
100%	94%	87%	79%	72%	65%	58%	52%	46%	41%	37%	31%	21%	12%	9%	4%	3%	1%	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°
2336	2349	2356	2371	2391	2415	2439	2455	2467	2480	2475	2529	2429	1414	440	152	69	11	0	0
100%	101%	101%	102%	102%	103%	104%	105%	106%	106%	106%	108%	104%	61%	19%	6%	3%	0%	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°
2336	2417	2455	2453	2430	2374	2255	2058	1791	1422	1107	813	483	222	112	67	33	11	1	0
100%	103%	105%	105%	104%	102%	97%	88%	77%	61%	47%	35%	21%	9%	5%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
107,1°	**138,9°**	**159,1°**	**85,0%**	**54,3%**

TM30 details

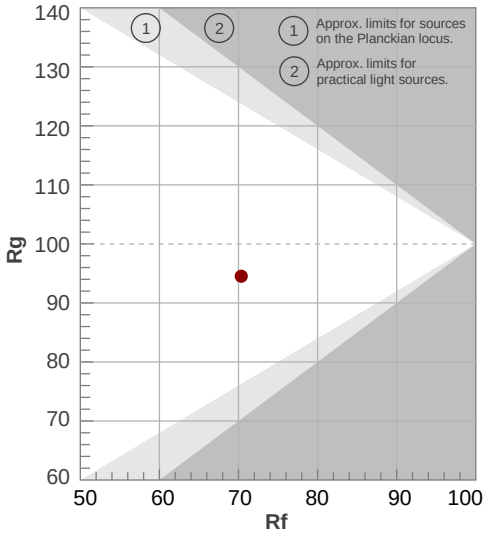
Rf 70,3

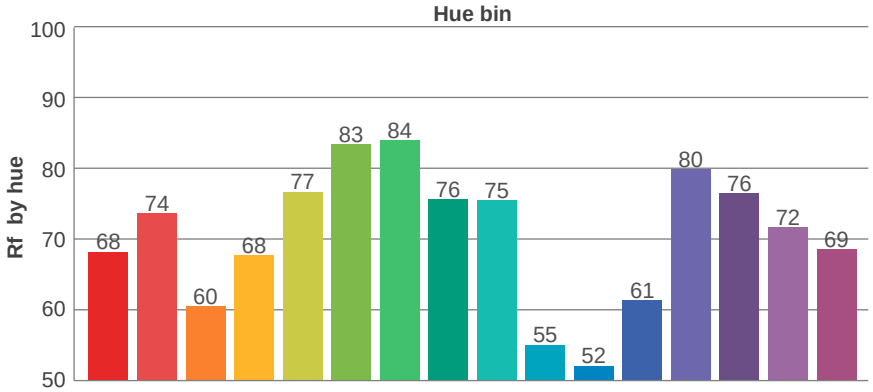
Fidelity index Rf

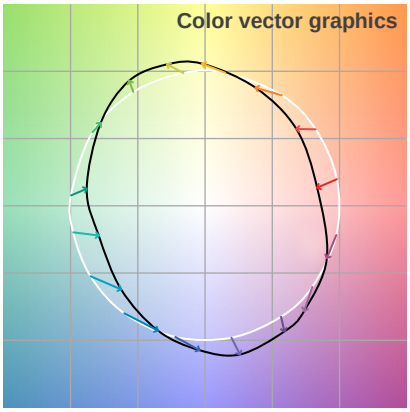
Rg 94,5

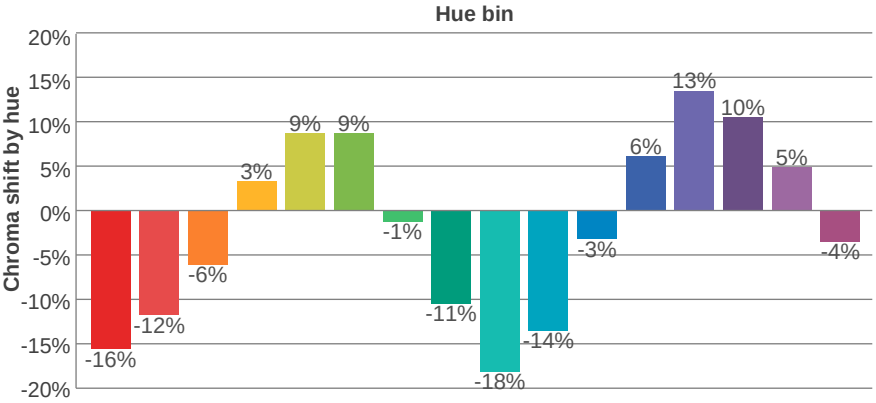
Gammut index Rg

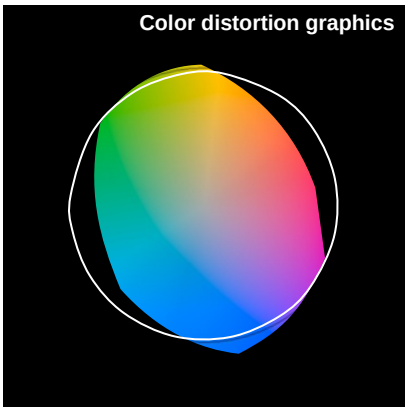
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	68	-16%	-3%
2	74	-12%	8%
3	60	-6%	19%
4	68	3%	18%
5	77	9%	11%
6	83	9%	-2%
7	84	-1%	-9%
8	76	-11%	-7%
9	75	-18%	6%
10	55	-14%	21%
11	52	-3%	28%
12	61	6%	19%
13	80	13%	4%
14	76	10%	-4%
15	72	5%	-18%
16	69	-4%	-18%

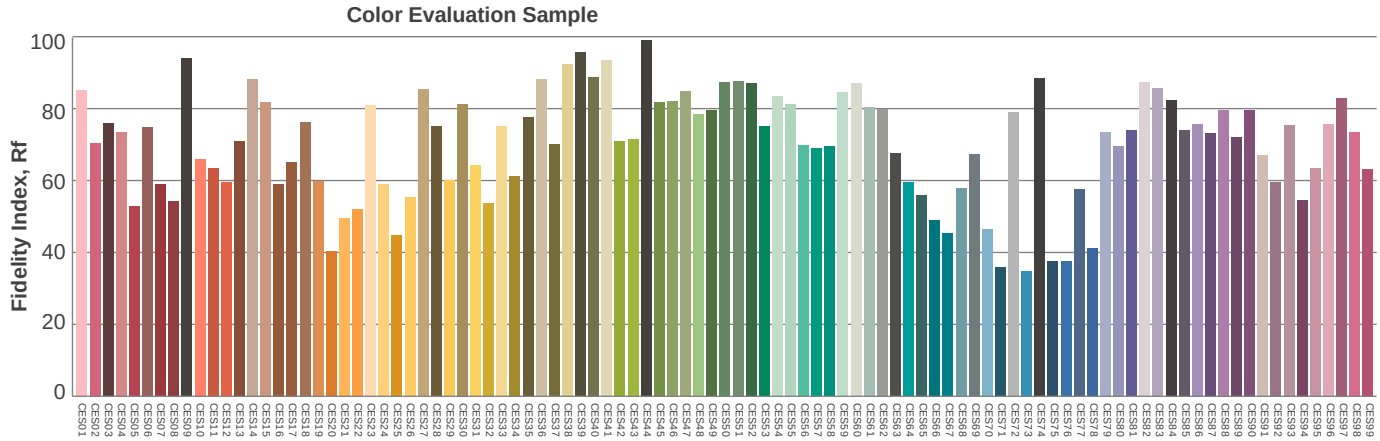










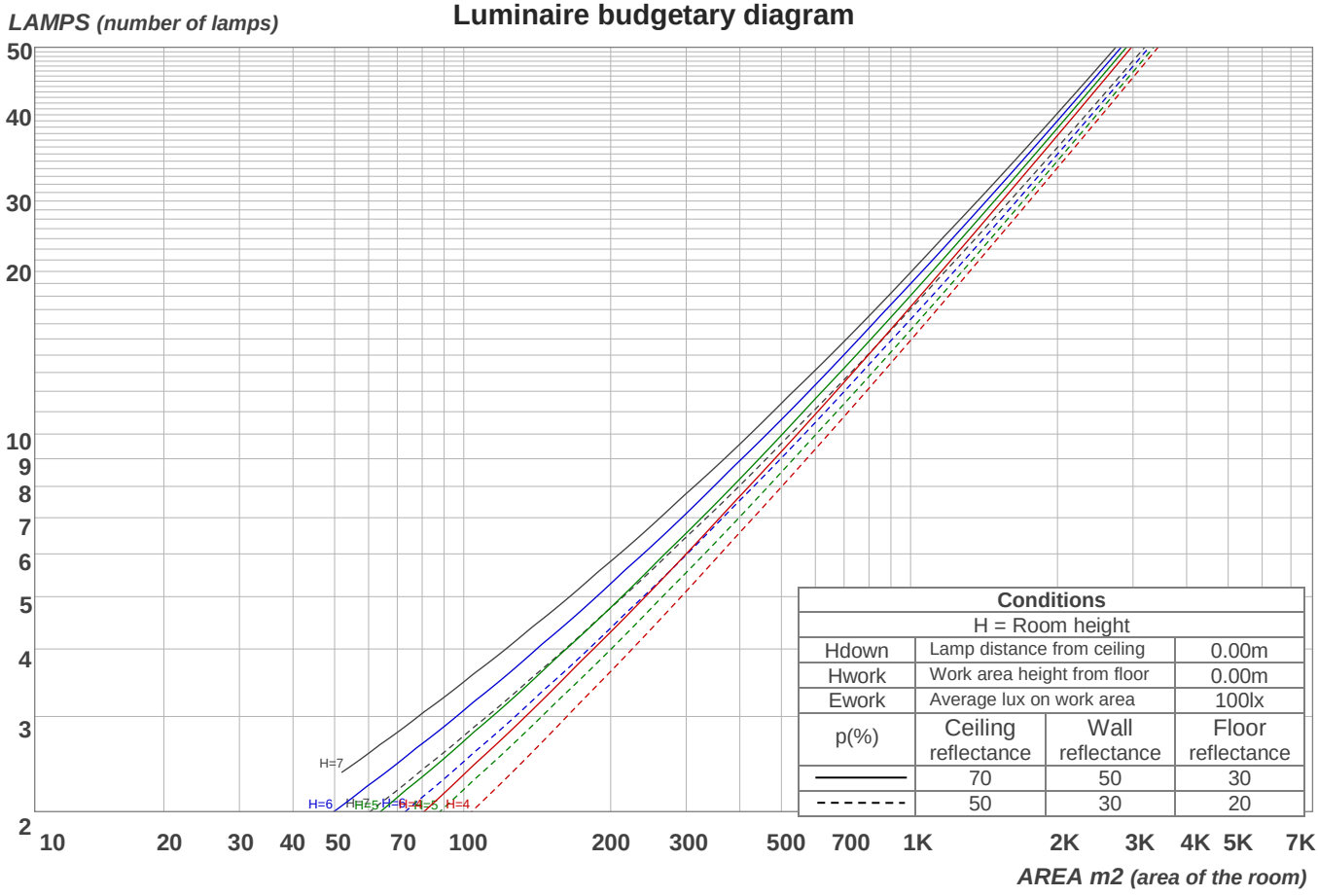


Light planning

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	91	81	74	67	89	80	73	67	77	71	65	74	69	64	72	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	57	48	42	69	56	48	42	55	47	41	53	46	41	51	45	41	39
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

Luminaire budgetary diagram



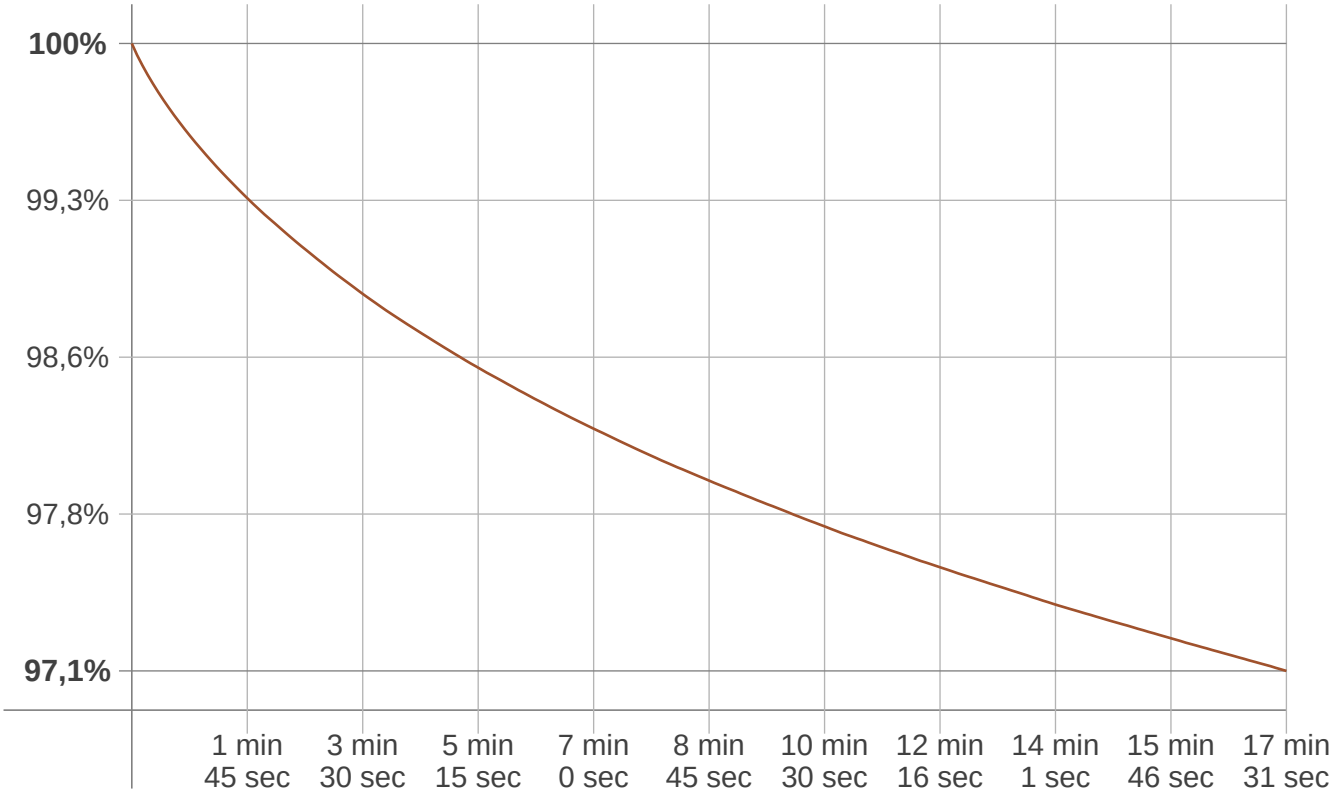
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
222 lm	643 lm	1013 lm	1290 lm	1432 lm	1465 lm	880 lm	161 lm	23,2 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,293 lm	0,445 lm	0,540 lm	0,616 lm	0,587 lm	0,498 lm	0,385 lm	0,254 lm	0,088 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**17 min 31 sec**
Warmup variation	**-2,9%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4970 K	**+30 K**	**5000 K**

Output change

Output start	Output change	Output end
7334 lm	**-200 lm**	**7133 lm**