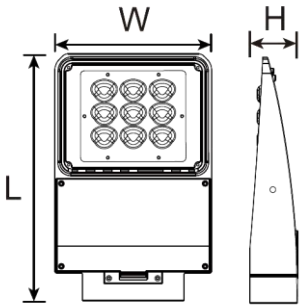
Luminaria para exterior

Dimensiones (mm)

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



Tipos de sujeción

Código

CESIO-100W

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

Marrón.

Características técnicas

LED	125°	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
100W	>70	5000	119	11457

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 96W.

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

Light efficiency:

119 Lumen/Watt

Light quality:

CRI: 70,6

Color temperature:

5165 K

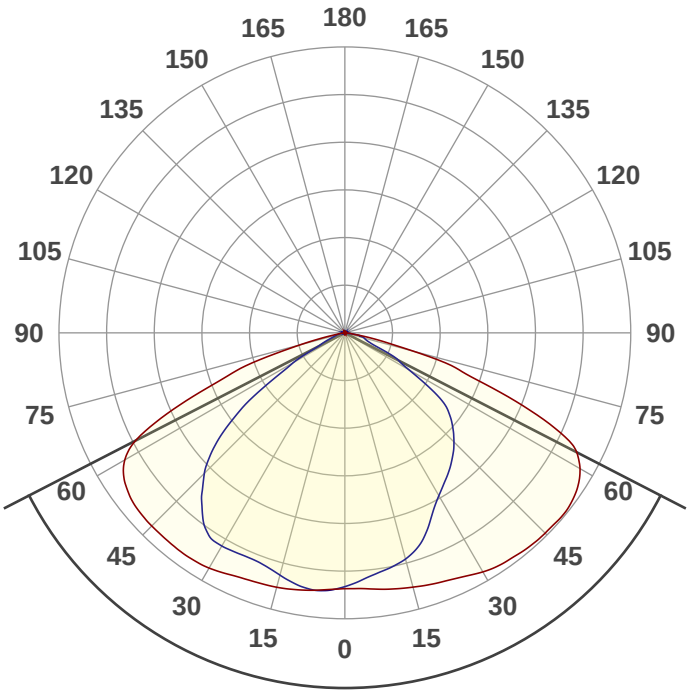
Output: 11457 lm

Peak: 4179 cd

Power: 96,0 W

PF: 1,0

Product name:
E0296-CESIO-100W



Beam angle

125,5°

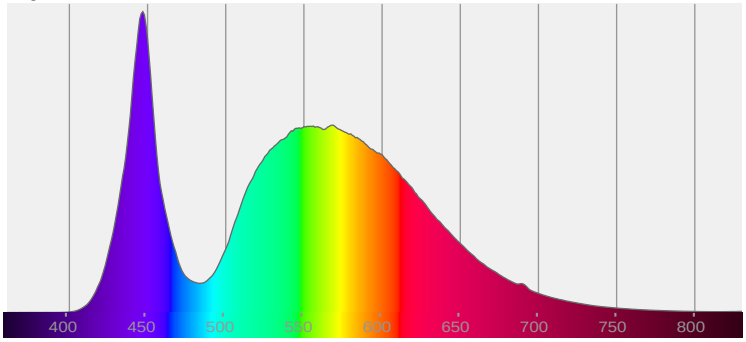
CIE 1931
x: 0,341
y: 0,357

THD Values:

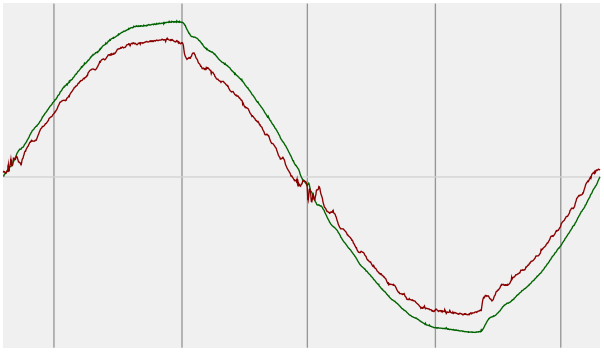
Voltage: 2,04%

Current: 5,02%

Spectra

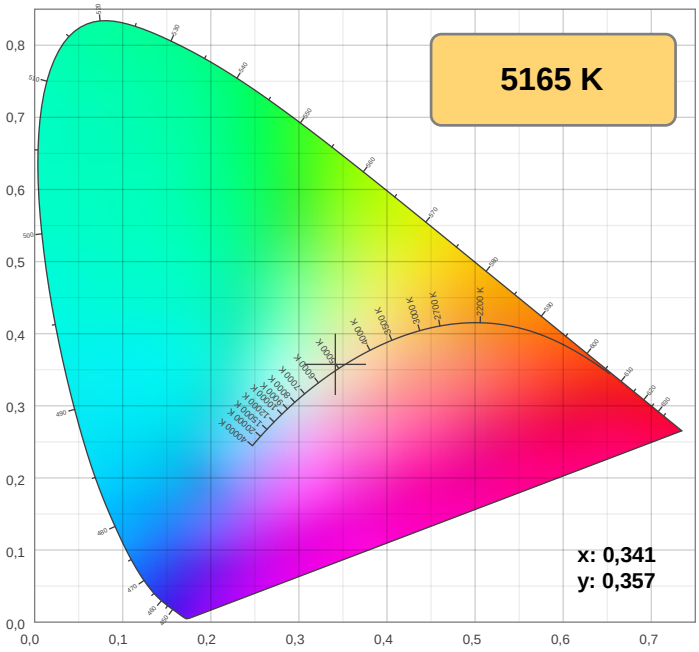


Power



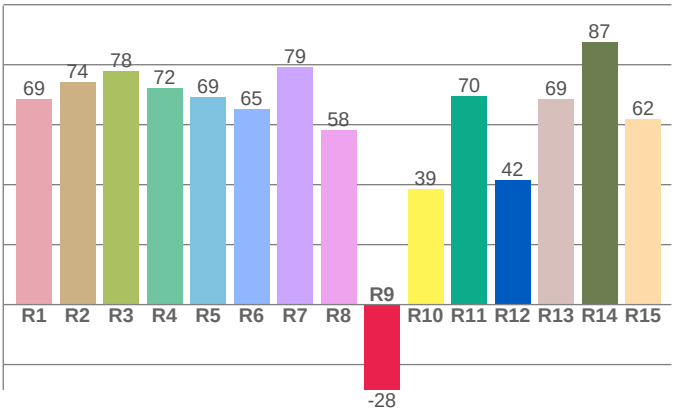
Voltage: 117 V
Current: 0,822 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 70,6 (R1-R8)

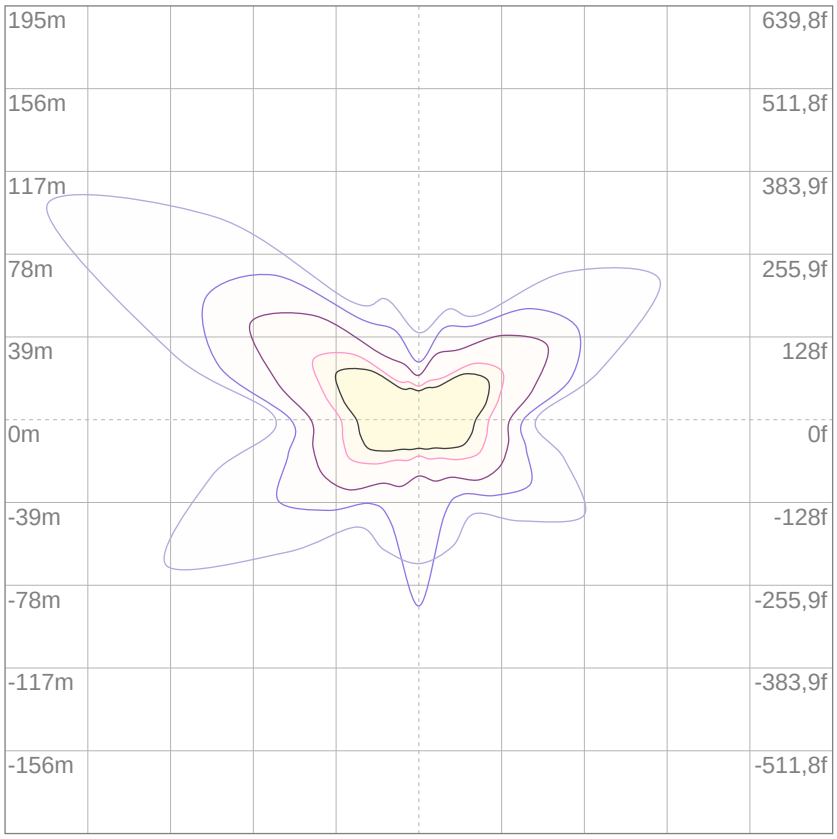


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
68,5	74,2	78,0	72,2	69,1	65,1	79,2	58,1	-28,5	38,7	69,7	41,6	68,6	87,5	61,9

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3% 0,920 lx
5% 1,53 lx
10% 3,07 lx
30% 9,20 lx
50% 15,3 lx

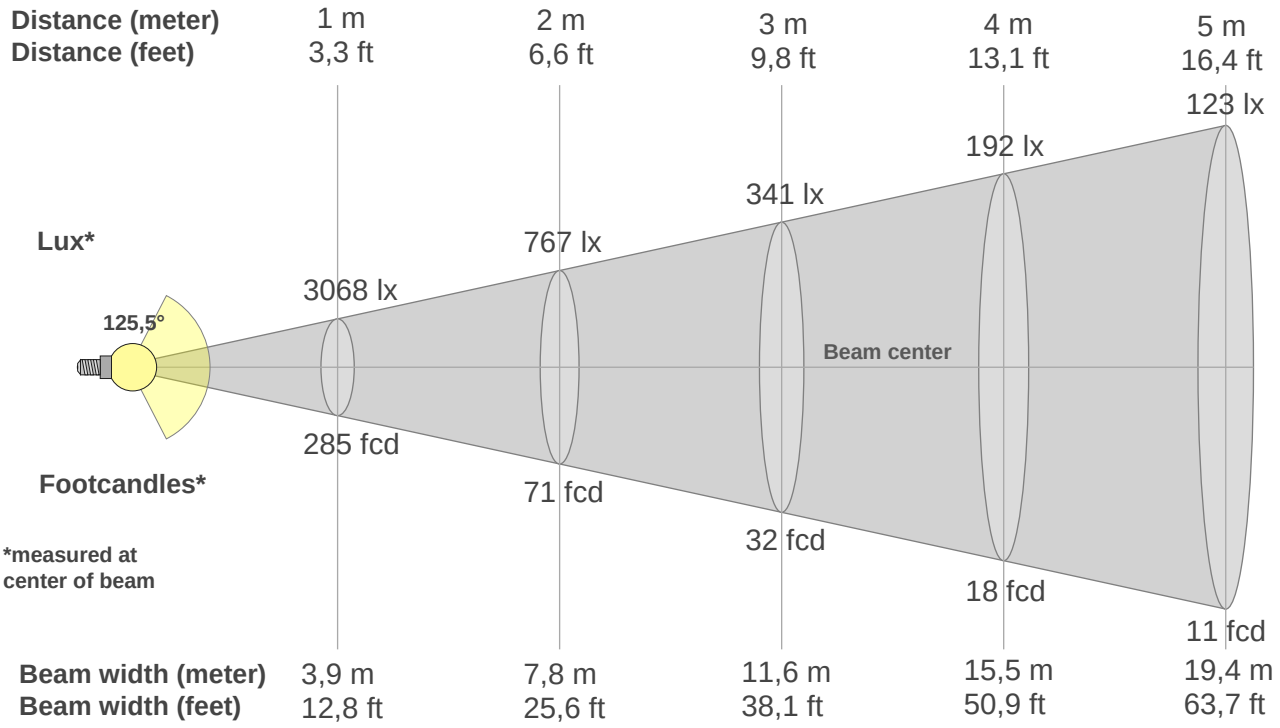
Conditions:

Number of c-planes: 12

Lux at center: 30,7 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
3068lx	767lx	341lx	192lx	123lx	85lx	63lx	48lx	38lx	31lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx
285fcd	71,3fcd	31,7fcd	17,8fcd	11,4fcd	7,9fcd	5,8fcd	4,5fcd	3,5fcd	2,9fcd	2,4fcd	2fcd	1,7fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd

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°
3068	3090	3130	3167	3206	3250	3320	3366	3393	3407	3418	3383	3266	2879	1778	859	204	52	5	1
100%	101%	102%	103%	104%	106%	108%	110%	111%	111%	111%	110%	106%	94%	58%	28%	7%	2%	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°
3068	2959	2889	2817	2684	2456	2262	2130	2002	1856	1681	1431	896	573	294	240	161	50	6	0
100%	96%	94%	92%	87%	80%	74%	69%	65%	60%	55%	47%	29%	19%	10%	8%	5%	2%	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°
3068	3104	3140	3168	3185	3216	3267	3288	3287	3285	3273	3214	3056	2456	1481	561	89	23	2	1
100%	101%	102%	103%	104%	105%	106%	107%	107%	107%	107%	105%	100%	80%	48%	18%	3%	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°
3068	3112	3094	3017	2951	2944	2961	2903	2678	2390	1976	1362	712	295	154	103	56	34	18	0
100%	101%	101%	98%	96%	96%	96%	95%	87%	78%	64%	44%	23%	10%	5%	3%	2%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
125,5°	150,4°	164°	77,3%	47,6%

TM30 details

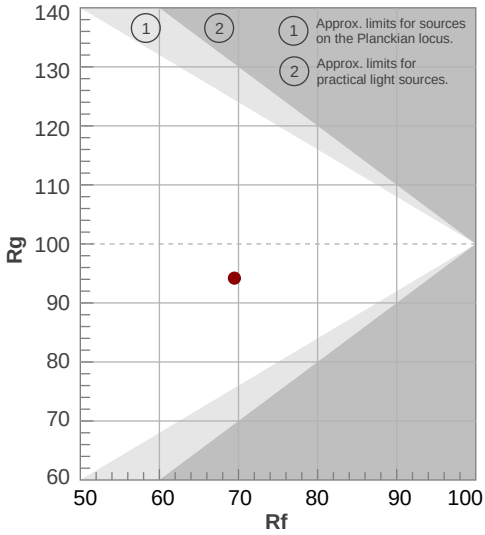
Rf 69,5

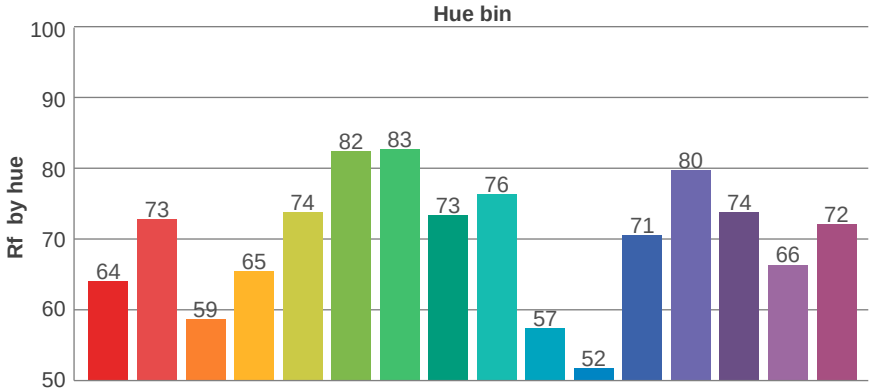
Fidelity index Rf

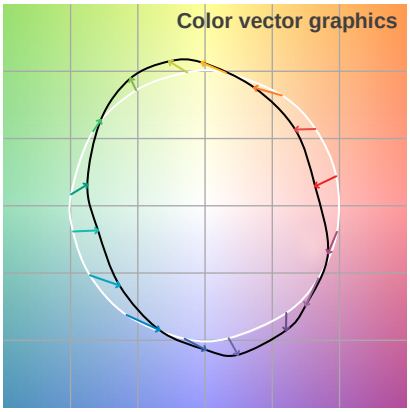
Rg 94,2

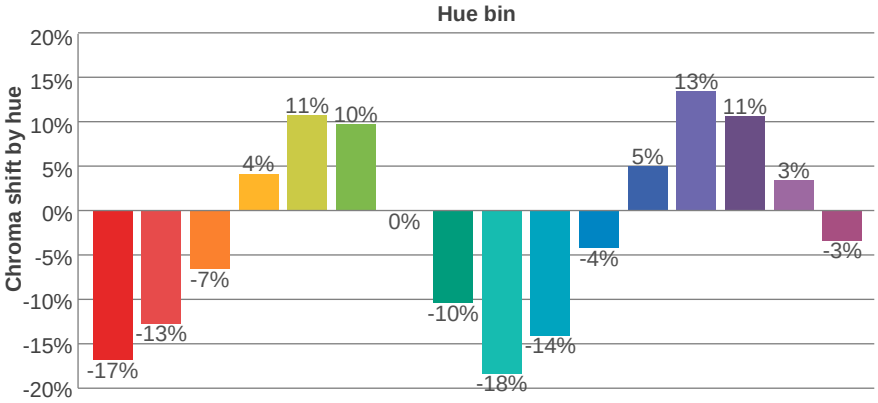
Gammut index Rg

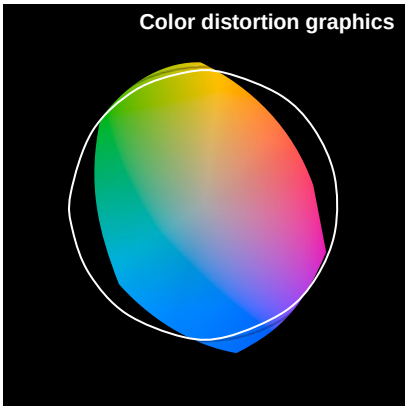
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	64	-17%	-4%
2	73	-13%	8%
3	59	-7%	20%
4	65	4%	19%
5	74	11%	12%
6	82	10%	-1%
7	83	0%	-10%
8	73	-10%	-10%
9	76	-18%	3%
10	57	-14%	19%
11	52	-4%	27%
12	71	5%	17%
13	80	13%	4%
14	74	11%	-7%
15	66	3%	-22%
16	72	-3%	-17%

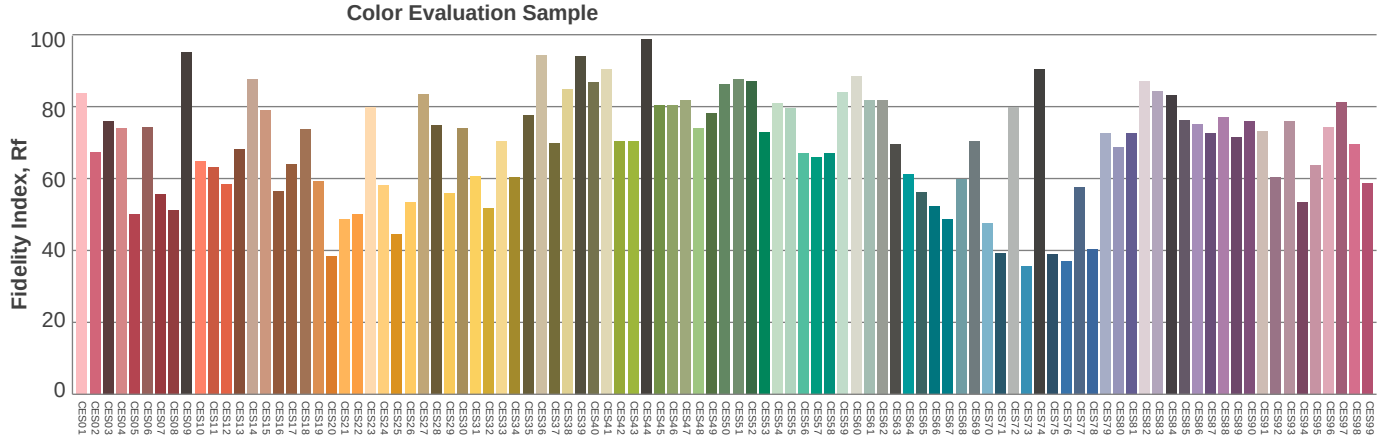










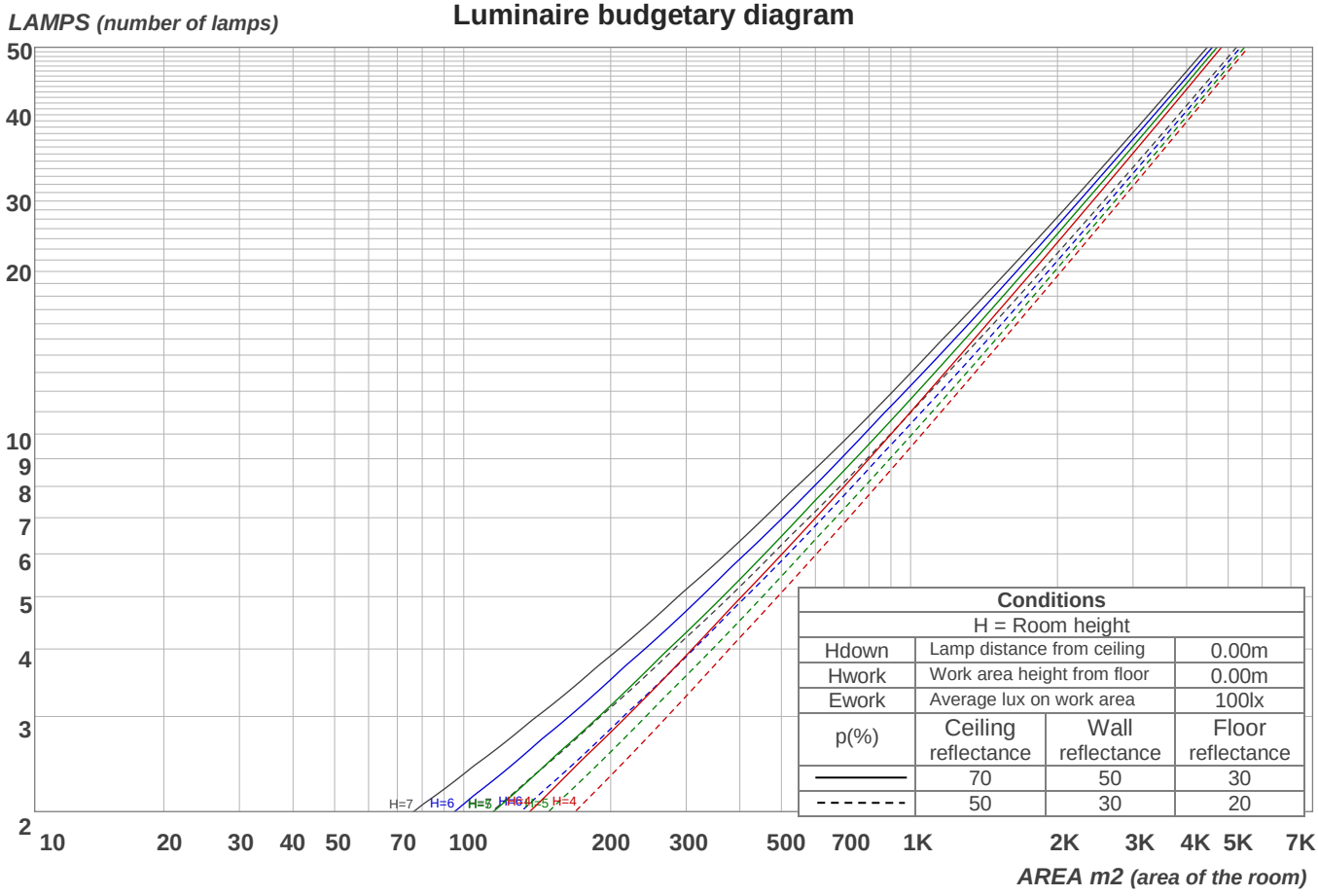


Light planning

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	28	39	33	28	26
9	54	40	32	26	53	39	31	26	38	31	26	37	30	25	36	30	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

Luminaire budgetary diagram



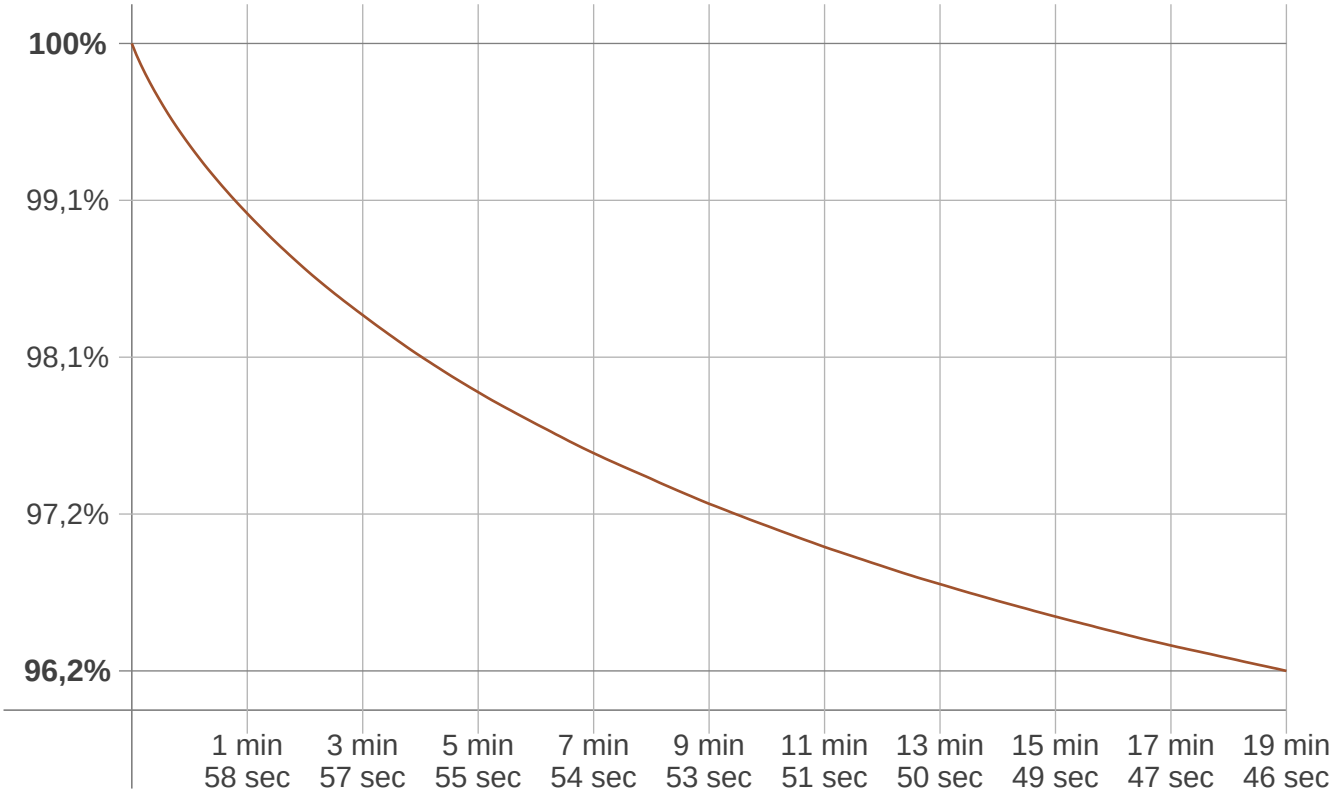
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
293 lm	857 lm	1375 lm	1853 lm	2217 lm	2264 lm	1766 lm	738 lm	88,6 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
2,14 lm	0,878 lm	0,959 lm	0,941 lm	0,820 lm	0,643 lm	0,461 lm	0,279 lm	0,092 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**19 min 46 sec**
Warmup variation	**-3,8%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5113 K	**+52 K**	**5165 K**

Output change

Output start	Output change	Output end
11883 lm	**-427 lm**	**11457 lm**