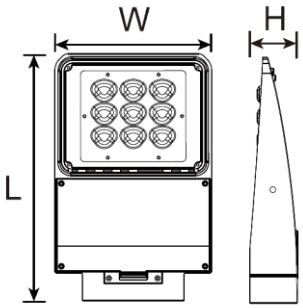
Luminaria para exterior

Dimensiones (mm)

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



Tipos de sujeción

Código

CESIO-29W

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	103°	50,000h	**IP 65**	**IK 08**
PF 0,99	**THD <10%**	**°C -30-50**	**V 90-305**	

Fuente de luz

Módulos de LED integrados.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
29W	>70	5000	105	2966

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 28,3W.

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

Light efficiency:

105 Lumen/Watt

Light quality:

CRI: 74,9

Color temperature:

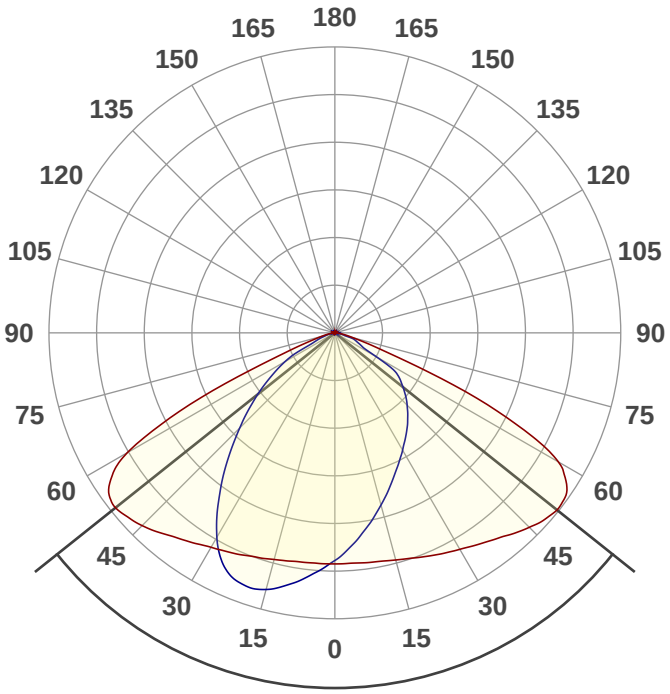
5000 K

Output: 2966 lm

Peak: 1147 cd

Power: 28,3 W

PF: 0,99



Product name:

E0118-CESIO-29W

Beam angle

102,9°

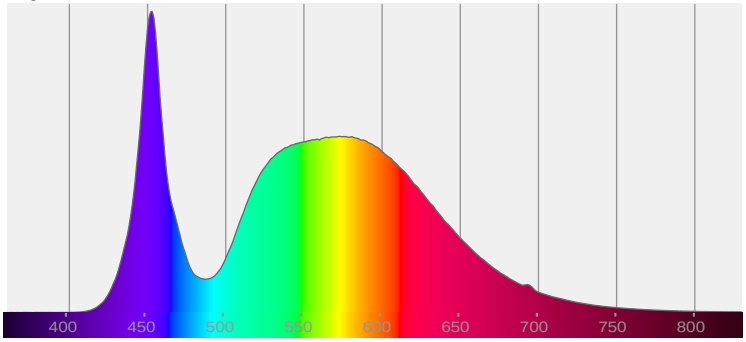
CIE 1931
x: 0,345
y: 0,352

THD Values:

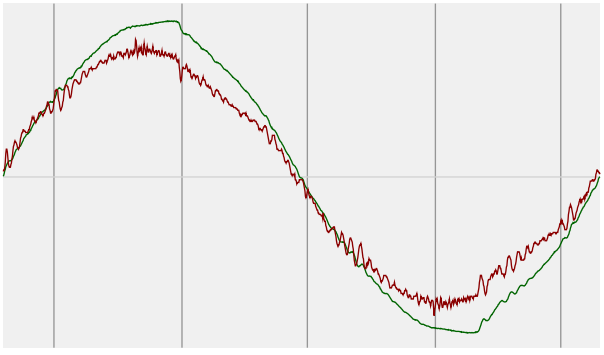
Voltage: 2,67%

Current: 5,52%

Spectra

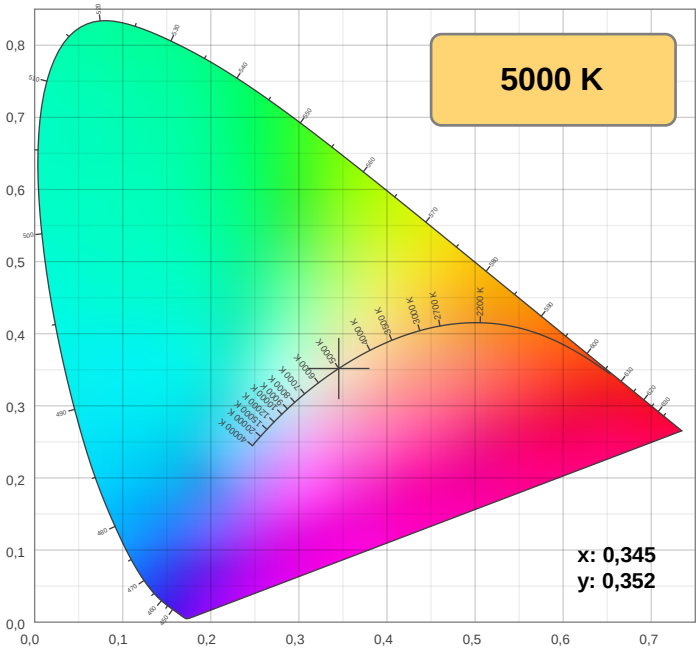


Power



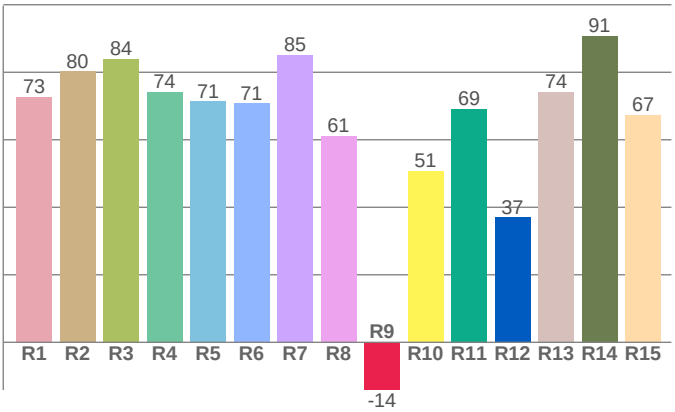
Voltage: 111 V
Current: 0,255 A
Frequency: 60,2 Hz

Color details



CIE 1931

CRI: 74,9 (R1-R8)

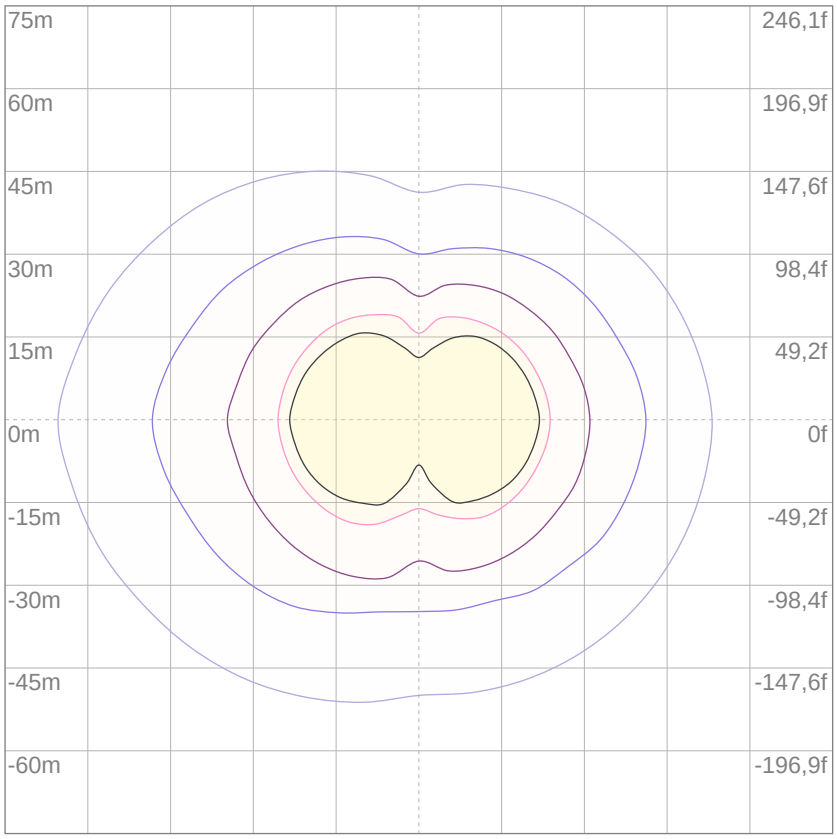


CRI R values, only R1-R8 are used to calculate final CRI value

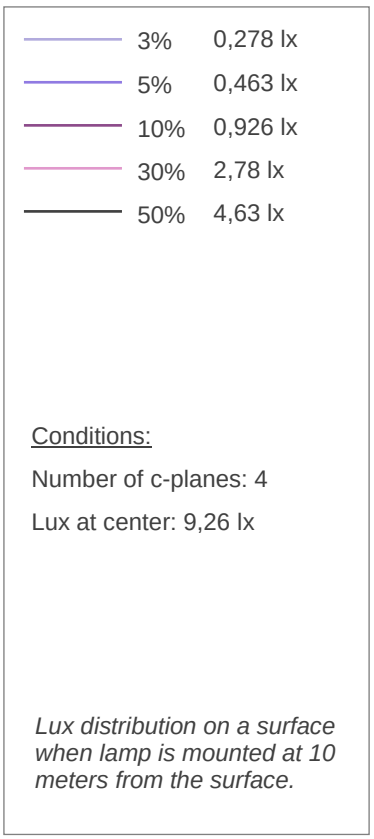
R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
72,6	80,2	83,8	74,1	71,3	70,7	85,1	61,2	-14,1	50,7	69,2	36,9	74,2	90,7	67,3

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)



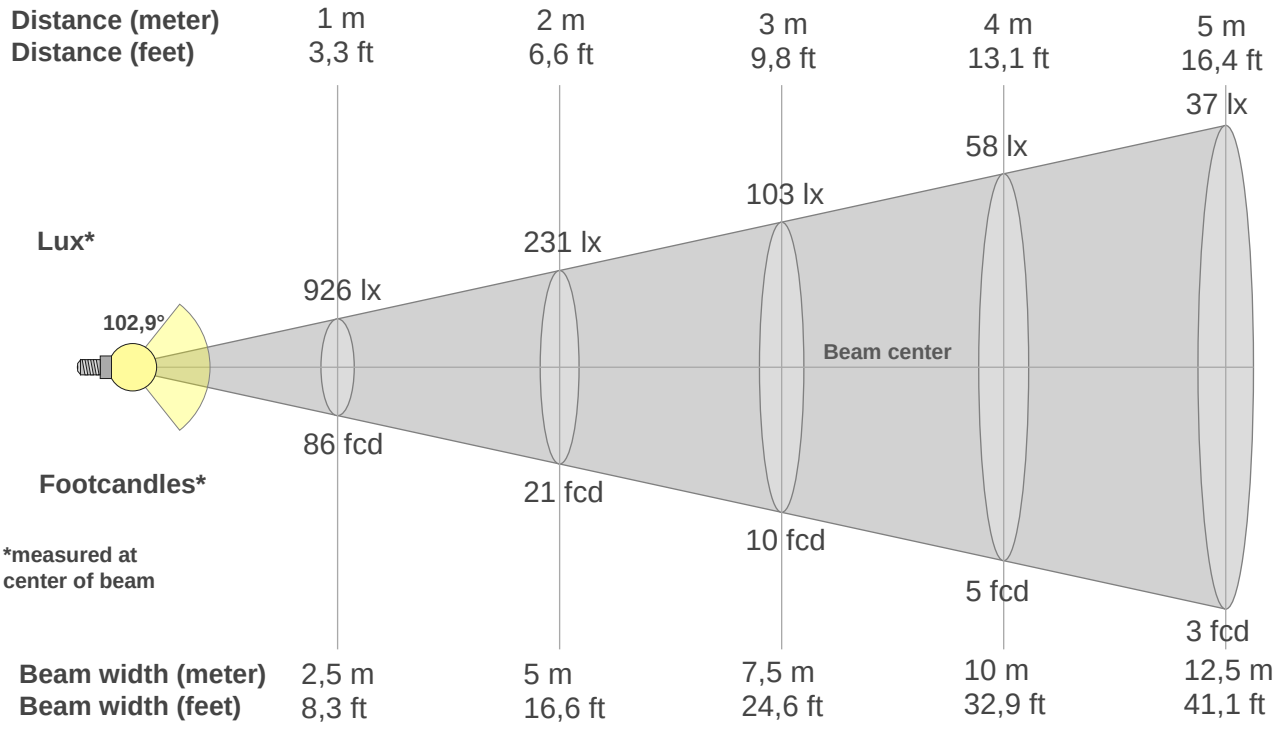
Conditions:

Number of c-planes: 4

Lux at center: 9,26 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
926lx	231lx	103lx	58lx	37lx	26lx	19lx	14lx	11lx	9lx	8lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx
86fcd	21,5fcd	9,6fcd	5,4fcd	3,4fcd	2,4fcd	1,8fcd	1,3fcd	1,1fcd	0,9fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd

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°
926	932	938	949	965	987	1009	1036	1070	1110	1141	1139	1040	658	205	77	36	10	1	0
100%	101%	101%	103%	104%	107%	109%	112%	116%	120%	123%	123%	112%	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°
926	855	787	719	655	597	547	501	457	413	366	318	195	113	88	40	23	6	0	0
100%	92%	85%	78%	71%	65%	59%	54%	49%	45%	40%	34%	21%	12%	9%	4%	2%	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°
926	932	936	947	961	980	999	1028	1062	1100	1127	1114	965	508	147	58	25	5	0	0
100%	101%	101%	102%	104%	106%	108%	111%	115%	119%	122%	120%	104%	55%	16%	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°
926	974	1029	1072	1081	1047	952	815	675	543	428	324	232	104	60	32	18	6	2	0
100%	105%	111%	116%	117%	113%	103%	88%	73%	59%	46%	35%	25%	11%	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
102,9°	137,3°	157,9°	85,8%	53,7%

TM30 details

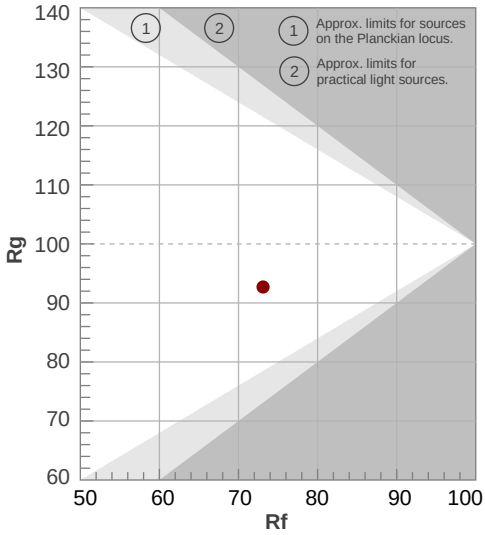
Rf 73,1

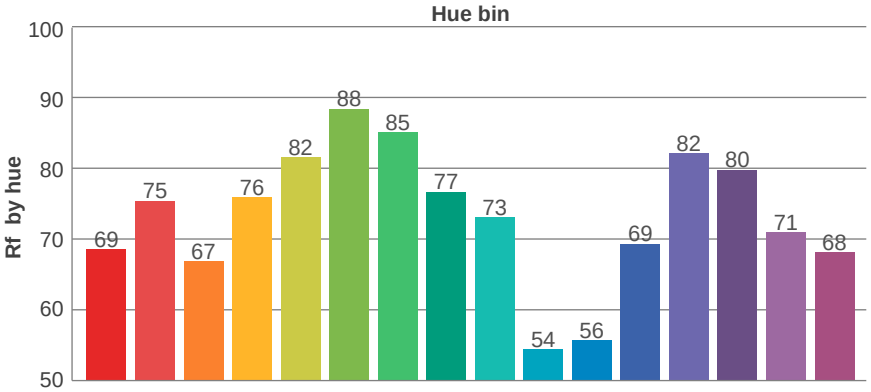
Fidelity index Rf

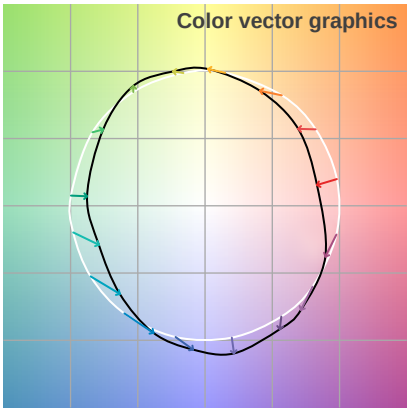
Rg 92,7

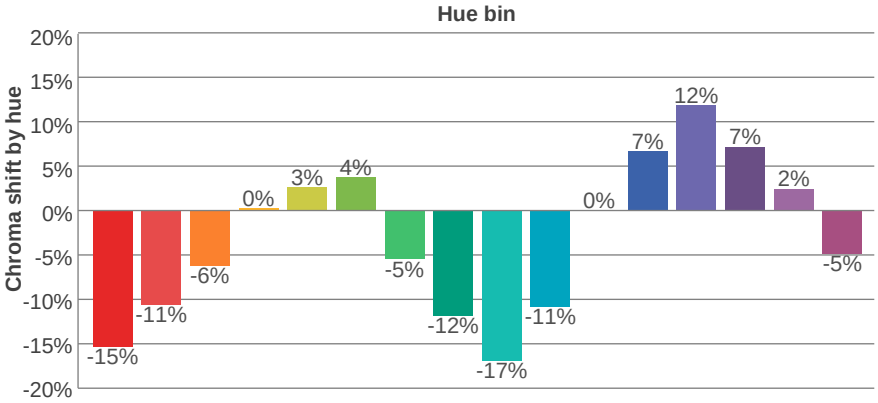
Gammut index Rg

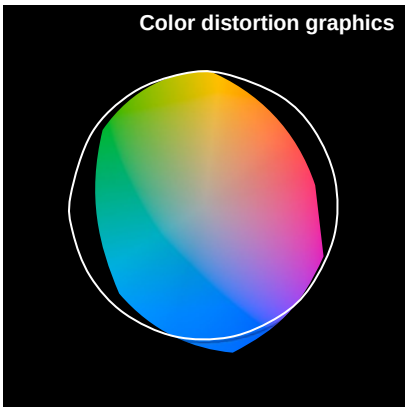
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	69	-15%	-1%
2	75	-11%	8%
3	67	-6%	15%
4	76	0%	13%
5	82	3%	7%
6	88	4%	-2%
7	85	-5%	-6%
8	77	-12%	-2%
9	73	-17%	13%
10	54	-11%	23%
11	56	0%	26%
12	69	7%	15%
13	82	12%	-1%
14	80	7%	-6%
15	71	2%	-19%
16	68	-5%	-18%

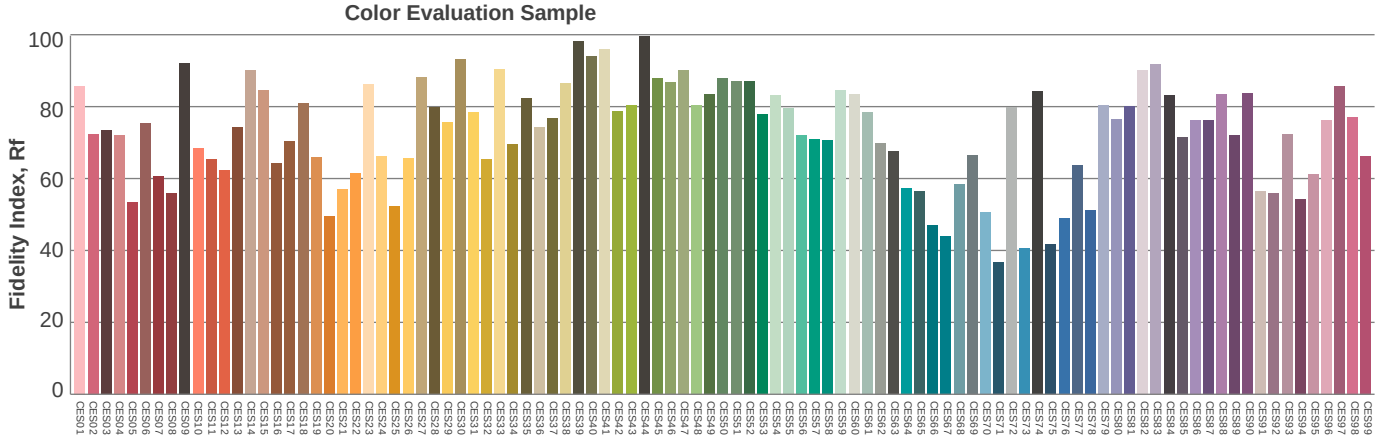










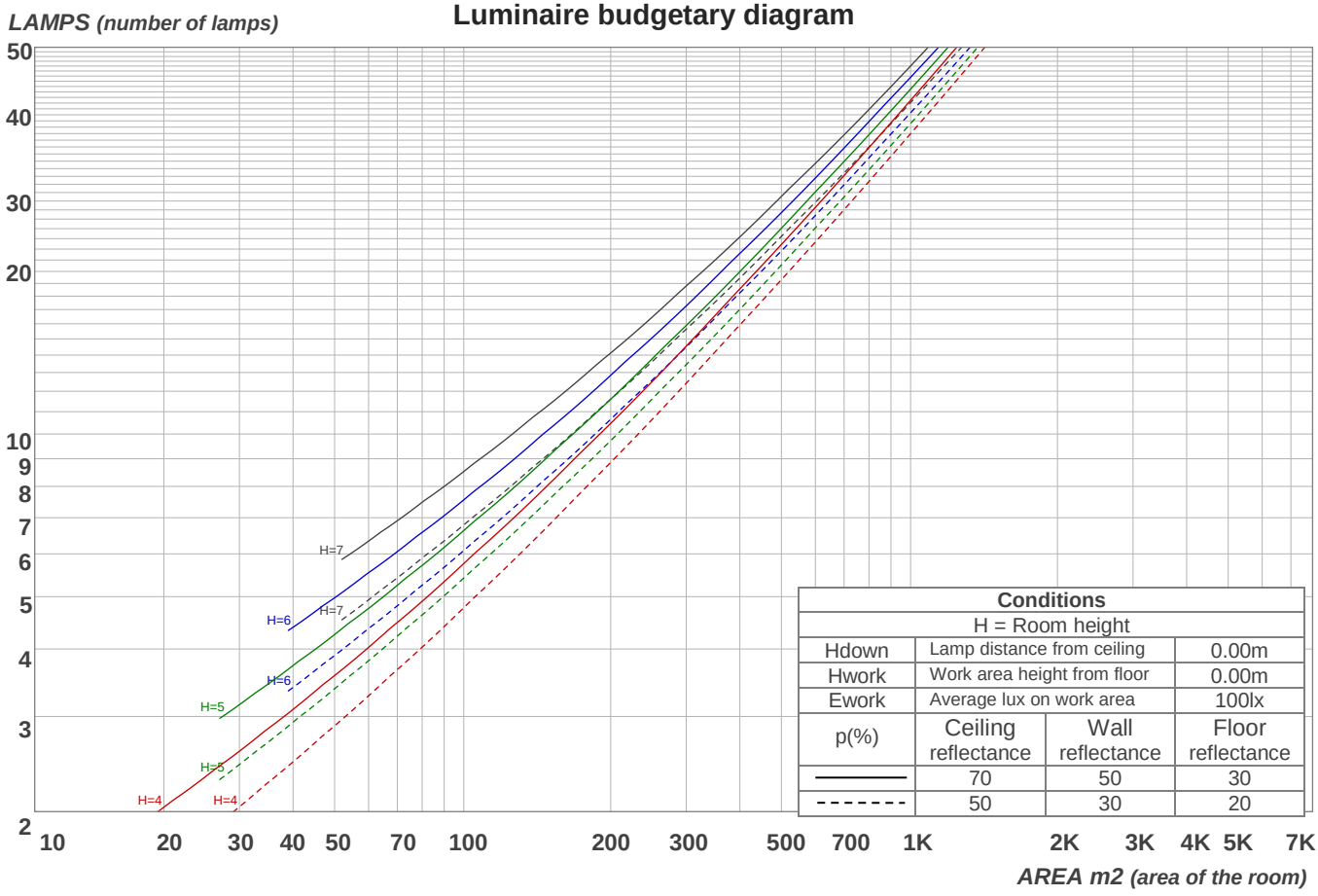


Light planning

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	73
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	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Luminaire budgetary diagram



Conditions			
H = Room height			
Hdown	Lamp distance from ceiling		0.00m
Hwork	Work area height from floor		0.00m
Ework	Average lux on work area		100lx
p(%)	Ceiling reflectance	Wall reflectance	Floor reflectance
———	70	50	30
- - - - - - -	50	30	20

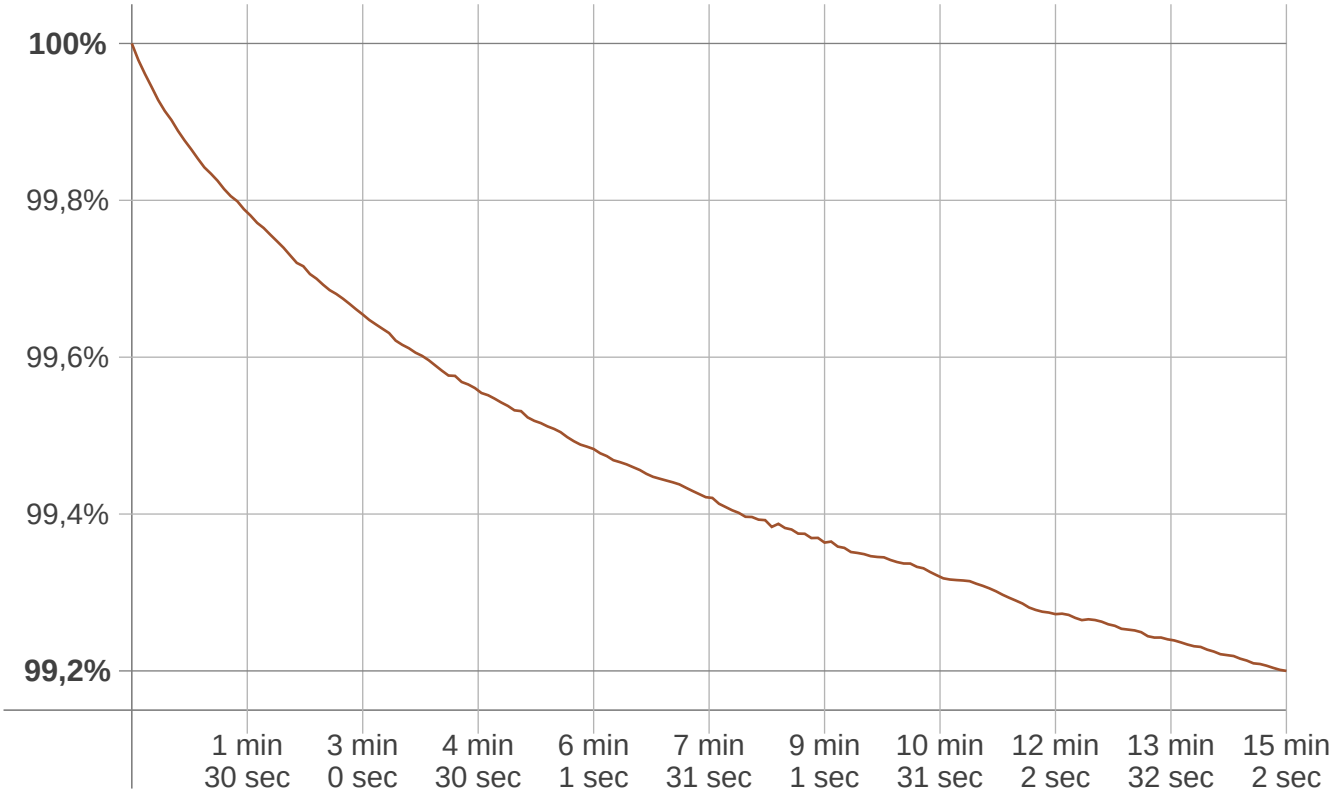
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
88,2 lm	261 lm	416 lm	530 lm	612 lm	638 lm	345 lm	63,2 lm	9,71 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,200 lm	0,206 lm	0,242 lm	0,268 lm	0,252 lm	0,218 lm	0,166 lm	0,107 lm	0,038 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**15 min 2 sec**
Warmup variation	**-0,8%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4980 K	**+20 K**	**5000 K**

Output change

Output start	Output change	Output end
2988 lm	**-22 lm**	**2966 lm**