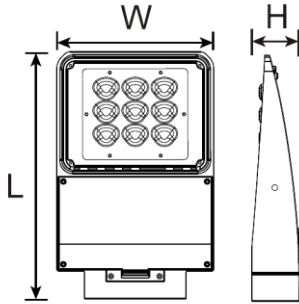


Luminaria para exterior



Dimensiones (mm)

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



Tipos de sujeción



Código

CESIO-50W

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 >0,9	THD <10%	°C -30-50	V 90-305	

Fuente de luz

Módulos de LED integrados.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
------------------	-----	---	--------	--------------

50W	>70	5000	103	5172
-----	-----	------	-----	------

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 50,3W.

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

Light efficiency:



Light quality:



Color temperature:



Output: 5172 lm

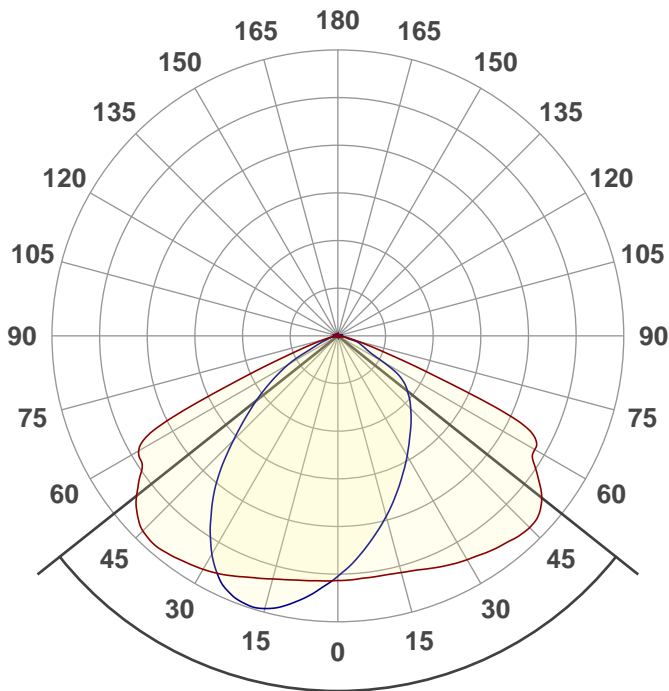
Peak: 1962 cd

Power: 50,3 W

PF: 1,0



Product name:
E0116-CESIO-50W



Beam angle **103,1°**



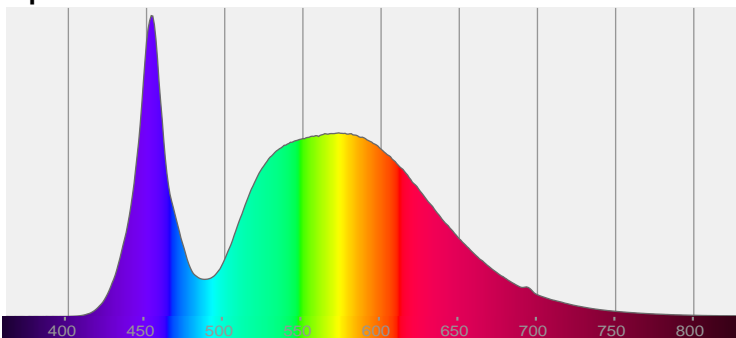
CIE 1931
x: 0,345
y: 0,352

THD Values:

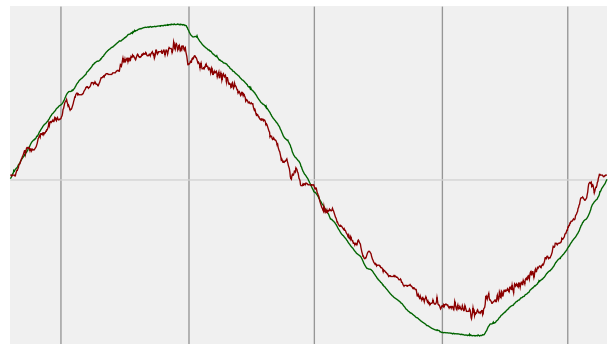
Voltage: 2,46%

Current: 5,11%

Spectra

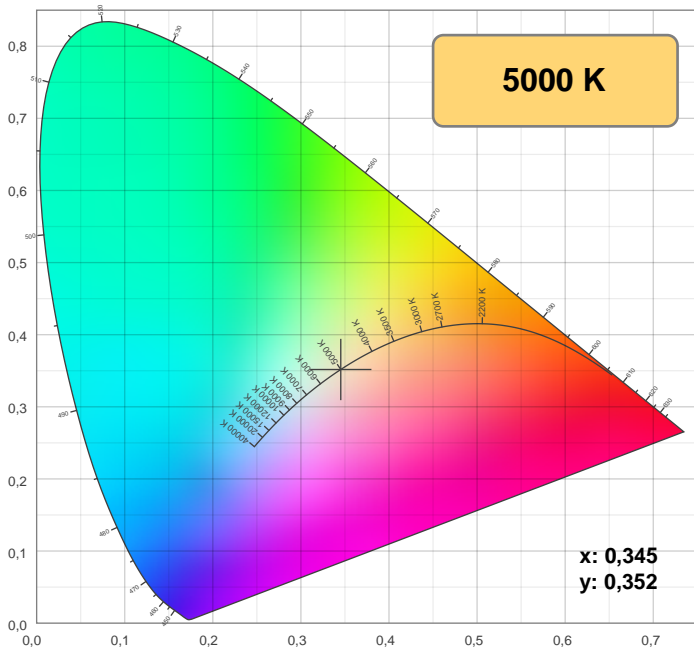


Power



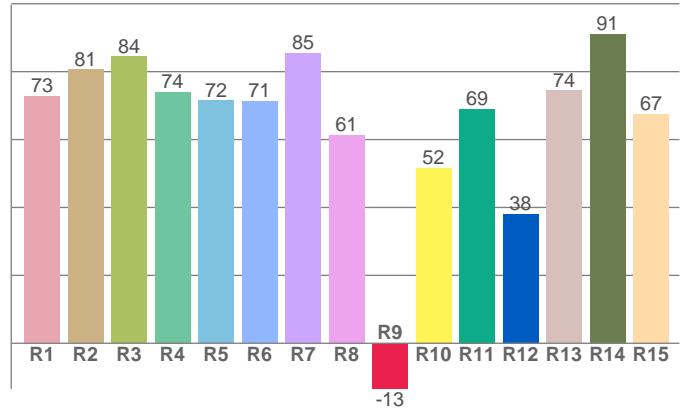
Voltage: 112 V
Current: 0,449 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 75,2 (R1-R8)

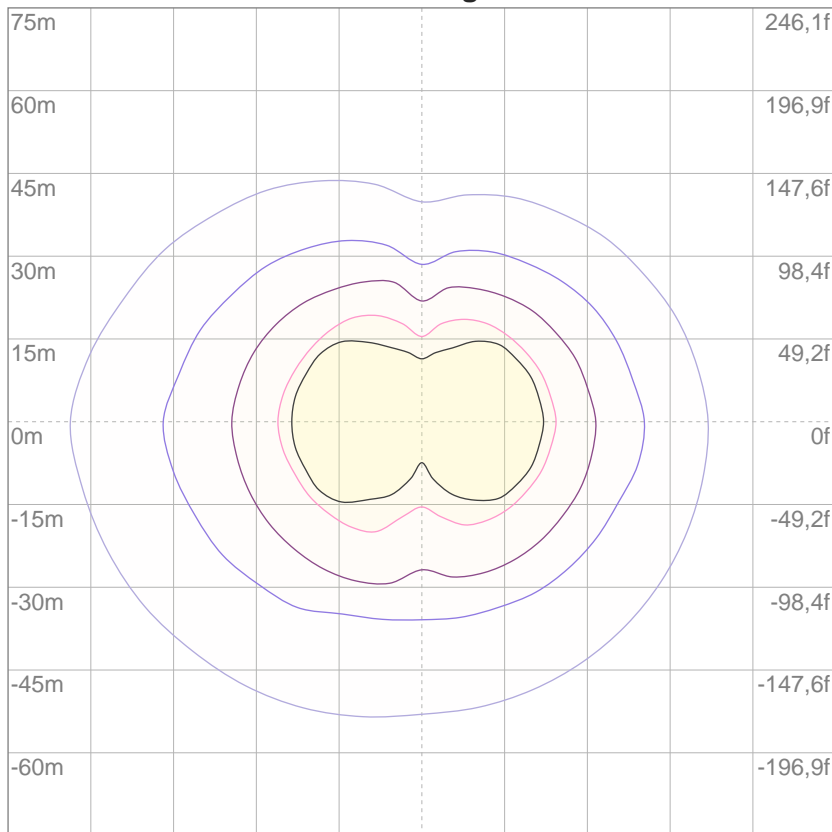


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
72,8	80,6	84,4	74,1	71,5	71,2	85,4	61,3	-13,5	51,6	69,0	38,1	74,4	91,0	67,5

ISO Diagrams

ISO lux diagram



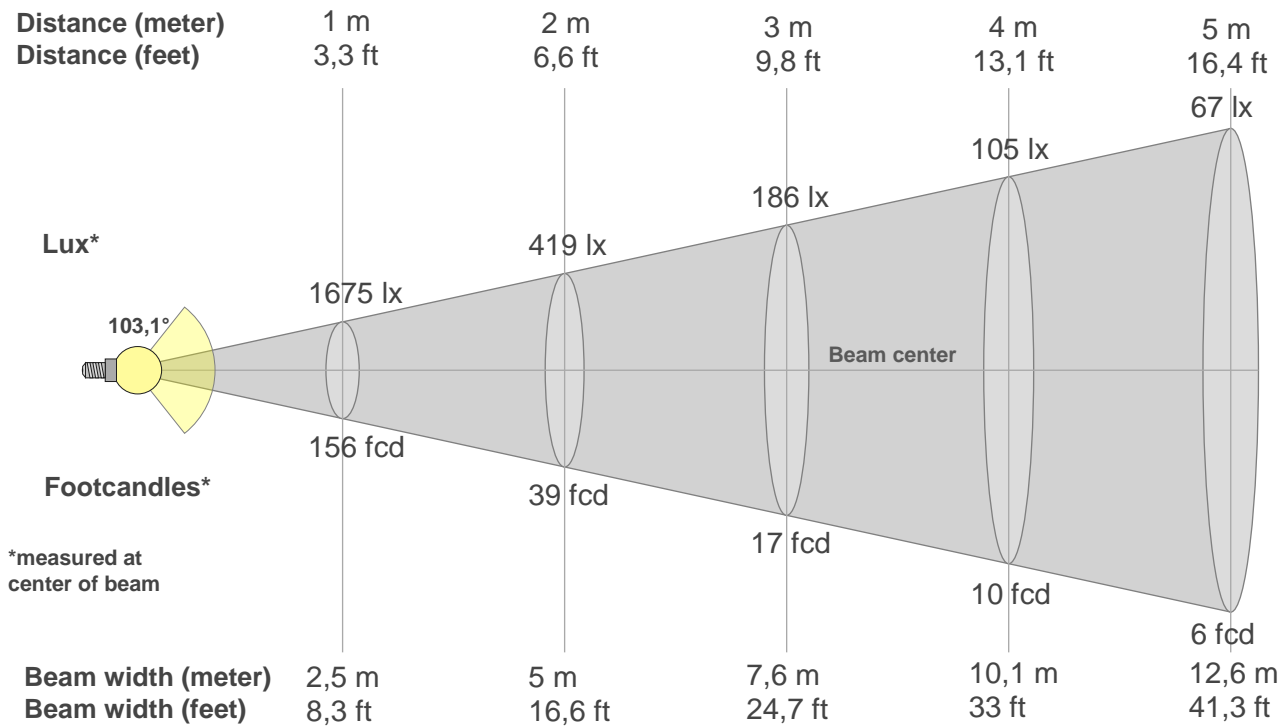
Mounting height: 10 meters (33 f)

3%	0,502 lx
5%	0,837 lx
10%	1,67 lx
30%	5,02 lx
50%	8,37 lx

Conditions:
 Number of c-planes: 4
 Lux at center: 16,7 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
1675lx	419lx	186lx	105lx	67lx	47lx	34lx	26lx	21lx	17lx	14lx	12lx	10lx	9lx	7lx	7lx	6lx	5lx	5lx	4lx
155,6fcd	38,9fcd	17,3fcd	9,7fcd	6,2fcd	4,3fcd	3,2fcd	2,4fcd	1,9fcd	1,6fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd

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°
1675	1684	1683	1692	1716	1752	1785	1818	1848	1872	1831	1684	1570	1319	397	138	61	16	1	0
100%	101%	100%	101%	102%	105%	107%	109%	110%	112%	109%	101%	94%	79%	24%	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°
1675	1540	1412	1290	1170	1057	957	864	786	711	637	555	362	215	164	73	46	13	0	0
100%	92%	84%	77%	70%	63%	57%	52%	47%	42%	38%	33%	22%	13%	10%	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°
1675	1697	1712	1738	1775	1823	1861	1890	1917	1904	1819	1662	1588	983	286	101	43	7	0	0
100%	101%	102%	104%	106%	109%	111%	113%	114%	114%	109%	99%	95%	59%	17%	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°
1675	1775	1878	1949	1953	1891	1740	1528	1294	1019	782	581	394	181	94	55	31	11	2	0
100%	106%	112%	116%	117%	113%	104%	91%	77%	61%	47%	35%	24%	11%	6%	3%	2%	1%	0%	0%

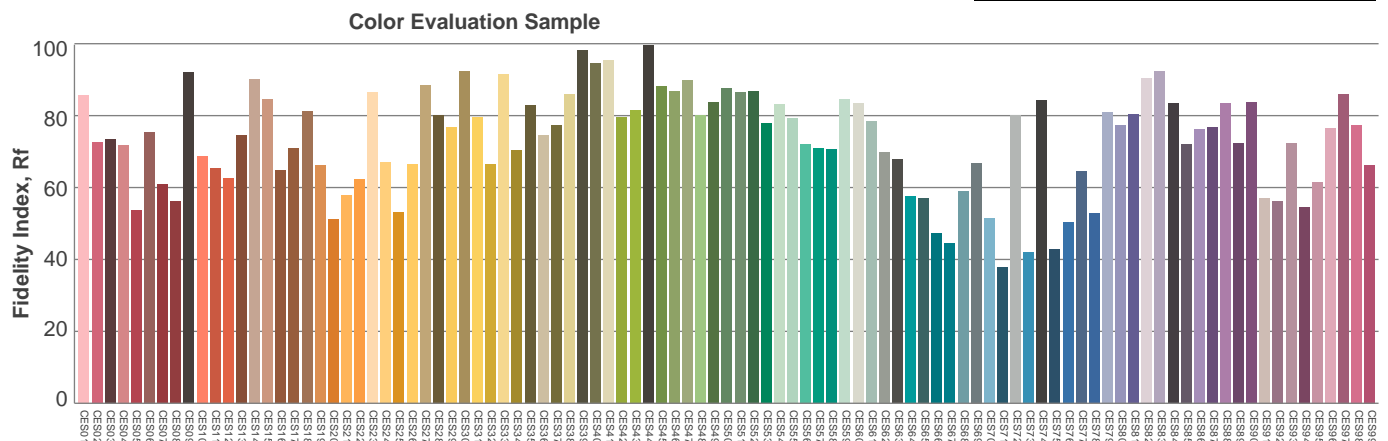
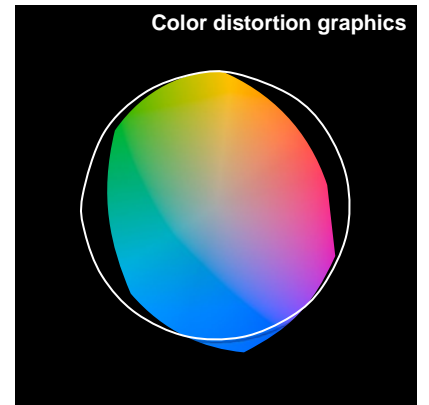
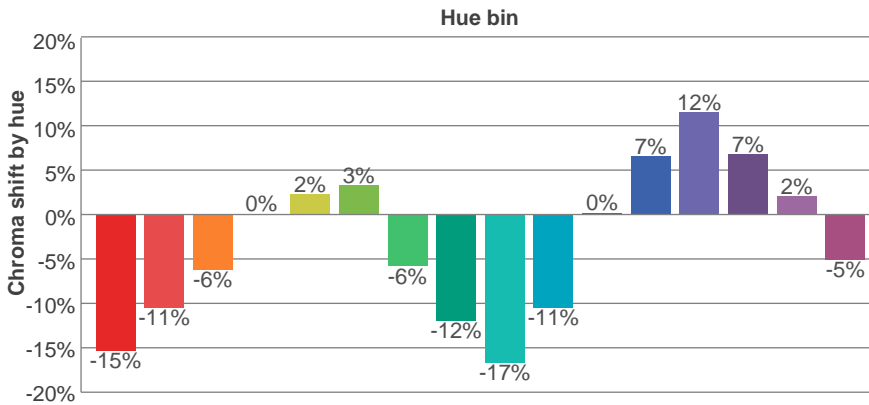
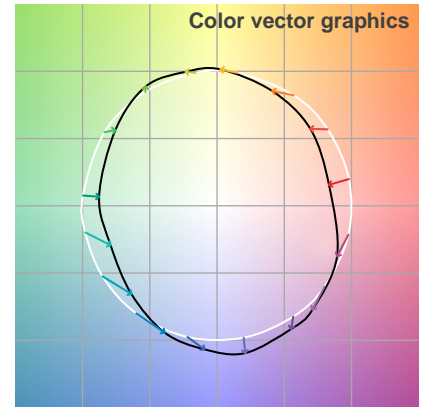
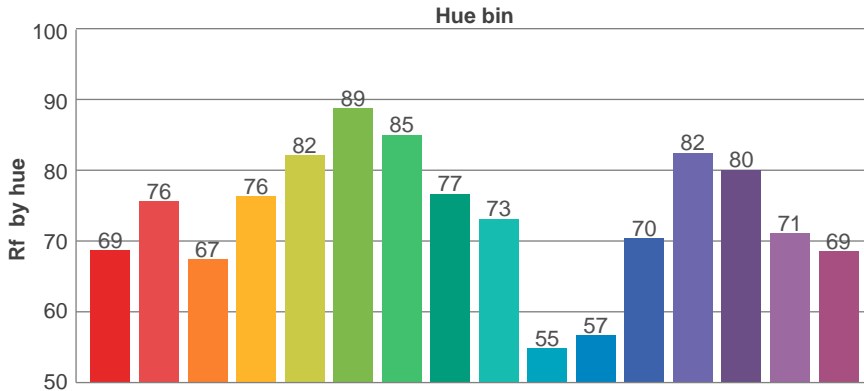
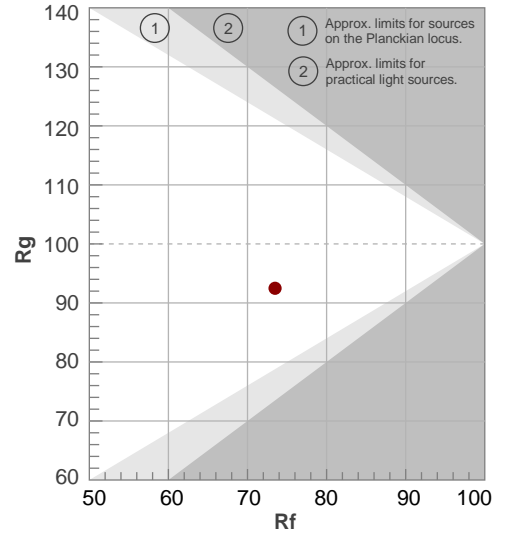
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,1°	138,1°	158,2°	85,2%	55,4%

TM30 details

Rf 73,5
Fidelity index Rf

Rg 92,5
Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	69	-15%	-1%
2	76	-11%	7%
3	67	-6%	15%
4	76	0%	13%
5	82	2%	7%
6	89	3%	-2%
7	85	-6%	-6%
8	77	-12%	-13%
9	73	-17%	1%
10	55	-11%	23%
11	57	0%	25%
12	70	7%	14%
13	82	12%	-1%
14	80	7%	-6%
15	71	2%	-19%
16	69	-5%	-17%



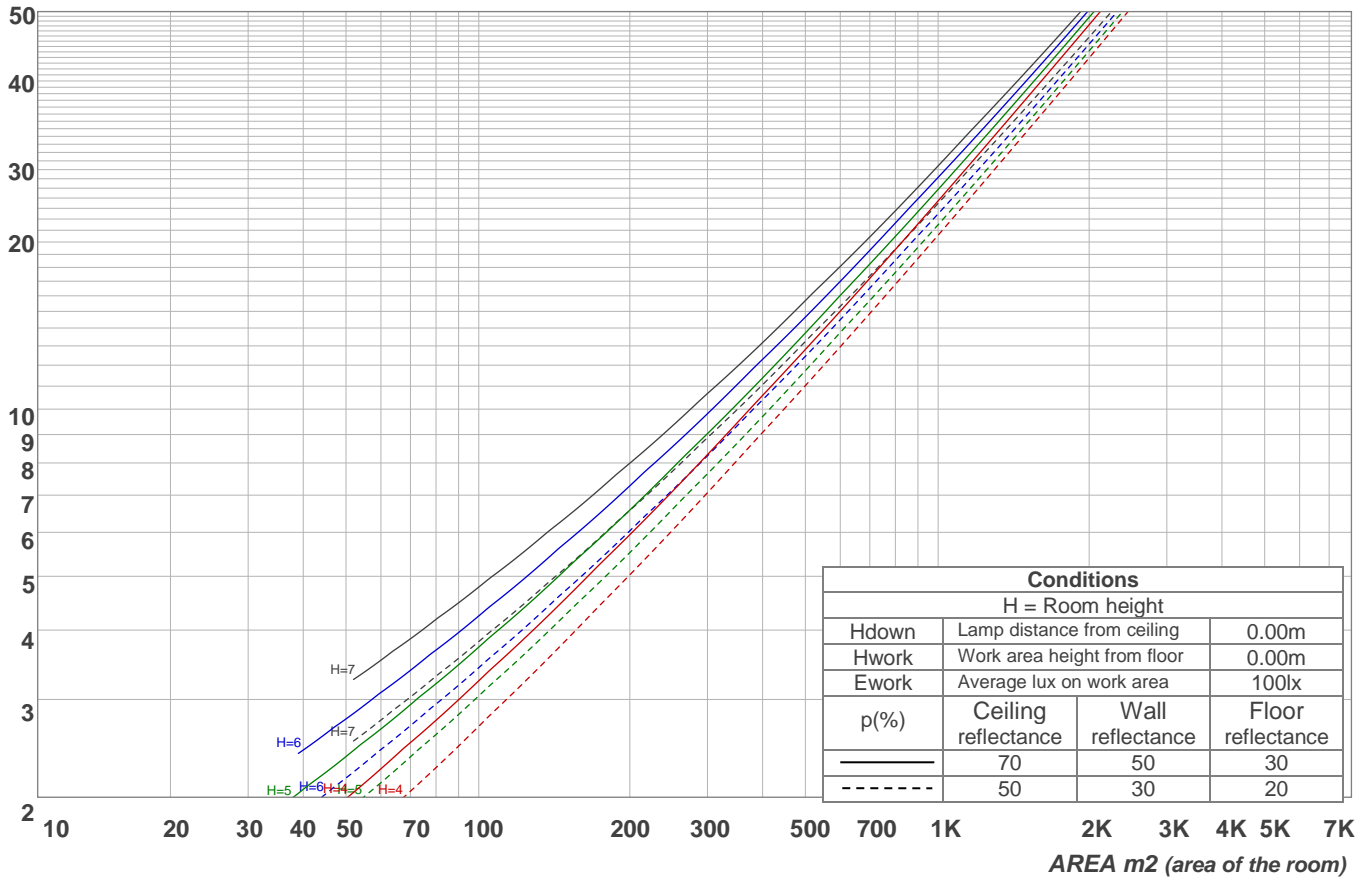
Light planning

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	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	0
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73	73
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24	24

LAMPS (number of lamps)

Luminaire budgetary diagram

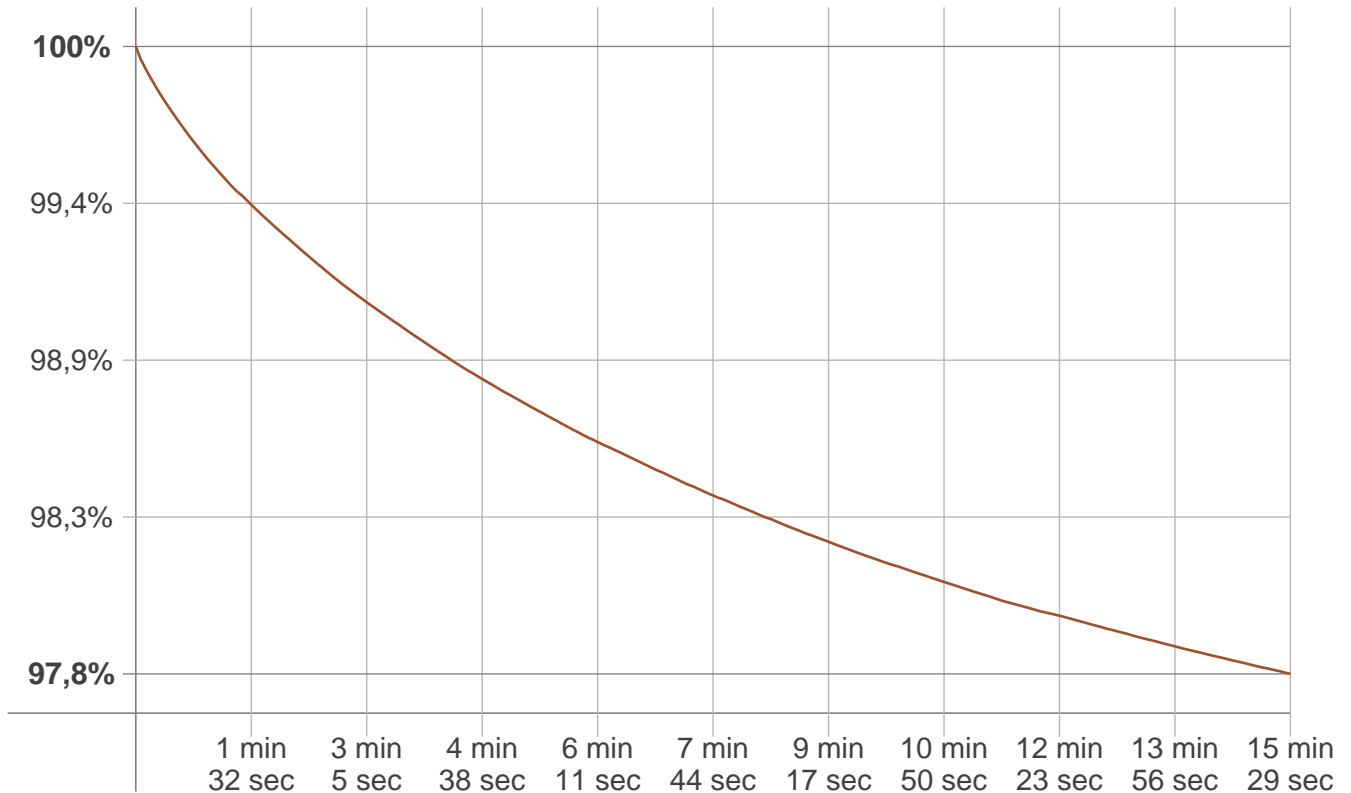


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
160 lm	472 lm	752 lm	956 lm	1061 lm	1004 lm	631 lm	116 lm	17,1 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,257 lm	0,326 lm	0,399 lm	0,465 lm	0,433 lm	0,370 lm	0,290 lm	0,189 lm	0,067 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 29 sec
Warmup variation	-2,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4971 K	+29 K	5000 K

Output change

Output start	Output change	Output end
5280 lm	-108 lm	5172 lm