Luminaria para exterior

Dimensiones (mm)

Largo: 365; **Ancho:** 372
Alto: 79.

Tipos de sujeción

Código

CESIO-150W

Descripción

Luminaria diseñada para uso externo, 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	133°	50,000h	IP 65	IK 08
PF 1	THD <10%	°C -30-50	V 90-305	⏚

Fuente de luz

Módulos de LED integrados.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
150W	>70	5000	164	24985

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Chip de LED con salida de alto rendimiento.
- Potencia de Salida: 152W.

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

Light efficiency:

164 Lumen/Watt

Light quality:

CRI: 71,8

Color temperature:

5209 K

Output: 24985 lm

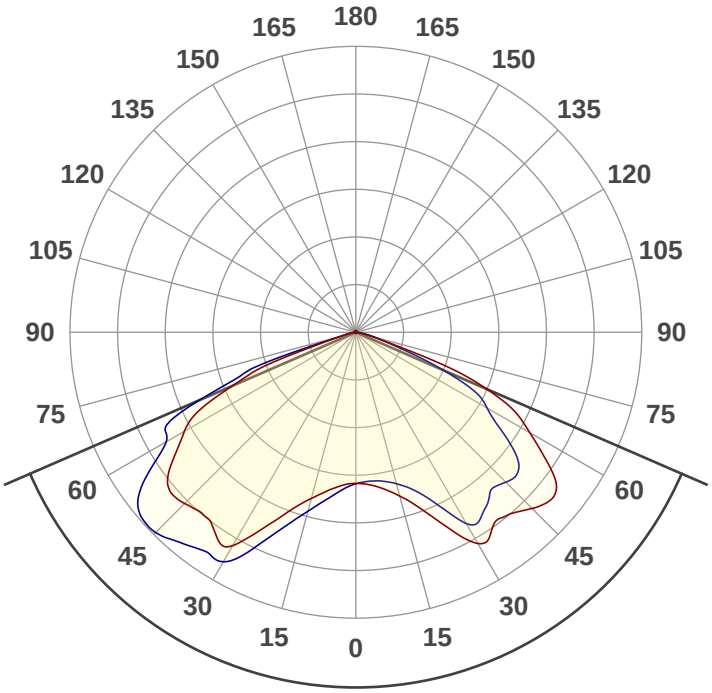
Peak: 7975 cd

Power: 152 W

PF: 1,0

Product name:

E0297-CESIO-I-150W



Beam angle **133,1°**

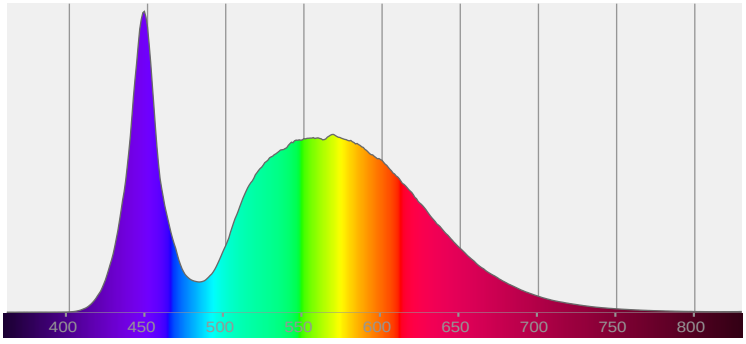
CIE 1931
x: 0,340
y: 0,357

THD Values:

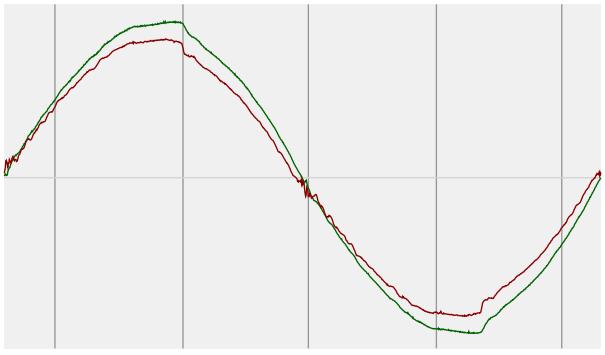
Voltage: 2,11%

Current: 2,69%

Spectra



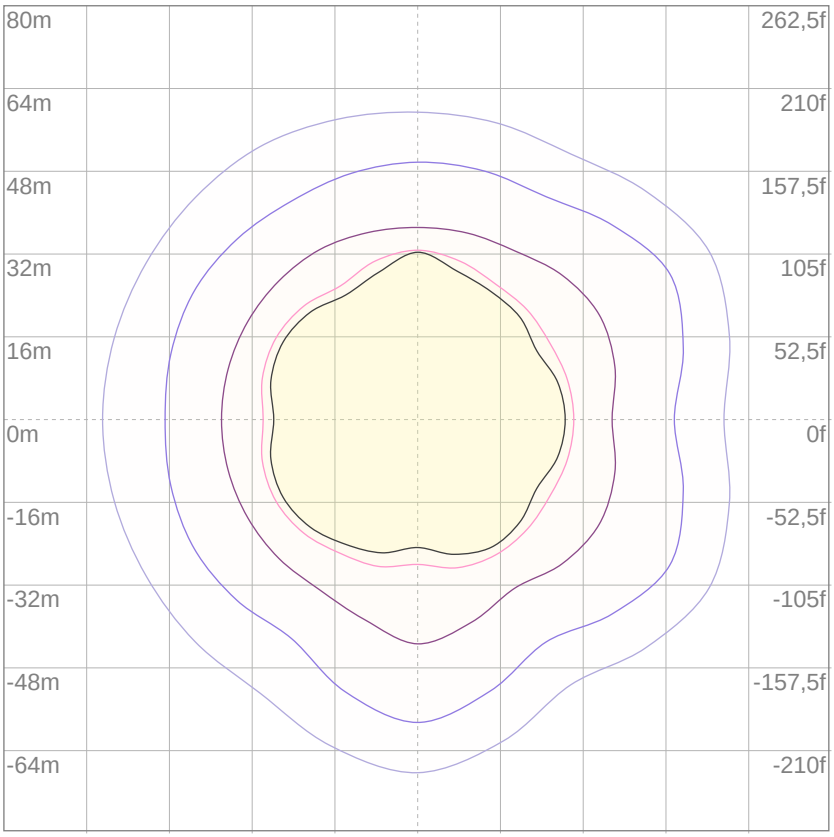
Power



Voltage: 116 V
Current: 1,31 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



3%	1,27 lx
5%	2,12 lx
10%	4,24 lx
30%	12,7 lx
50%	21,2 lx

Conditions:

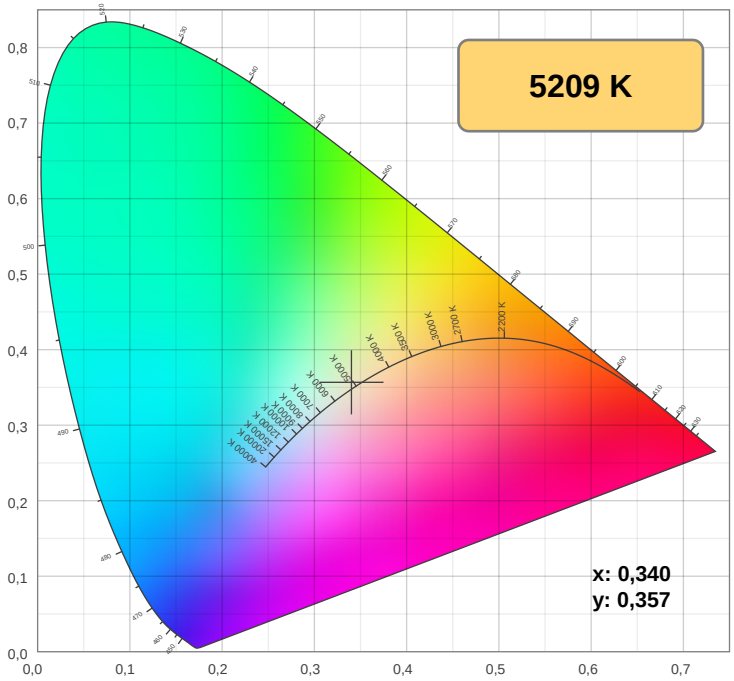
Number of c-planes: 12

Lux at center: 42,4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

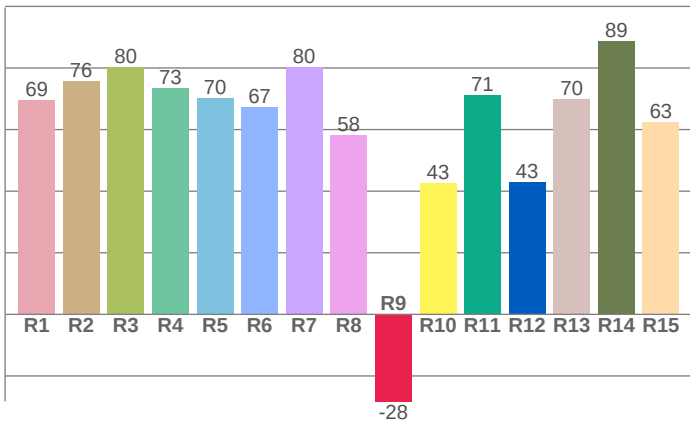
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 71,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69,5	75,7	80,2	73,3	70,3	67,2	80,3	58,1	-28,3	42,6	71,1	43,0	70,0	88,9	62,5

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5209 K	71,8	-28,3	73,4	95,2	71,3	0,340	0,357	0,206	0,324	0,0013

VISO SYSTEMS

Distecsa

TM-30 details

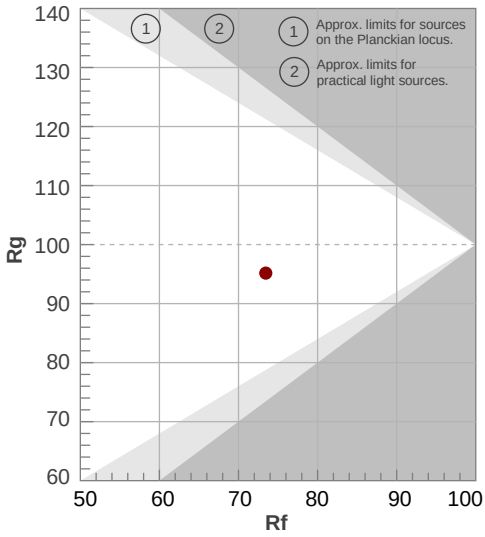
Rf 73,4

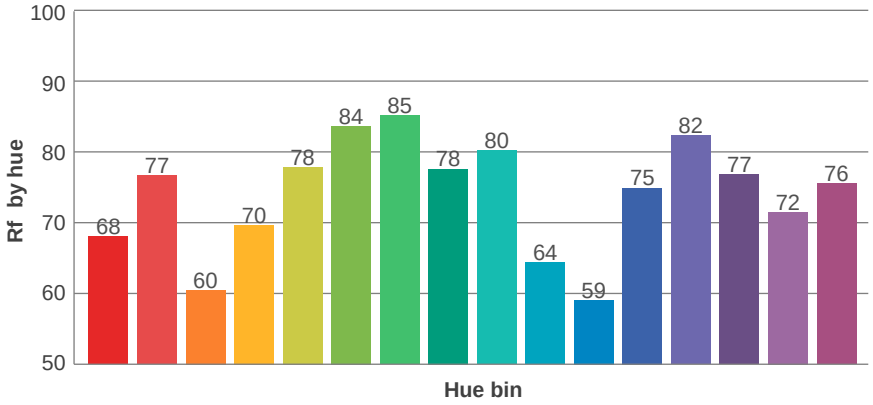
Fidelity index Rf

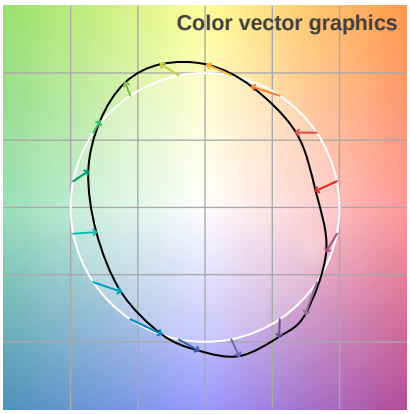
Rg 95,2

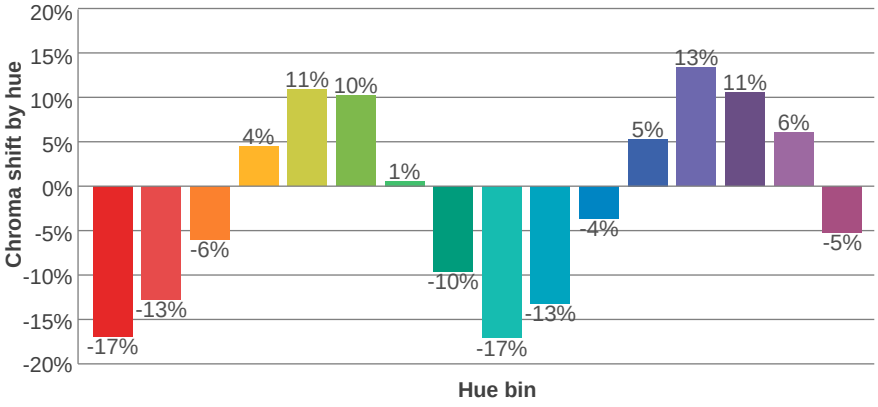
Gamut index Rg

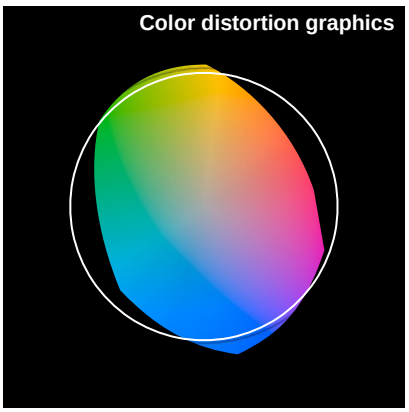
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	68	-17%	-4%
2	77	-13%	9%
3	60	-6%	21%
4	70	4%	19%
5	78	11%	12%
6	84	10%	-2%
7	85	1%	-10%
8	78	-10%	-9%
9	80	-17%	2%
10	64	-13%	17%
11	59	-4%	25%
12	75	5%	16%
13	82	13%	3%
14	77	11%	-8%
15	72	6%	-24%
16	76	-5%	-15%

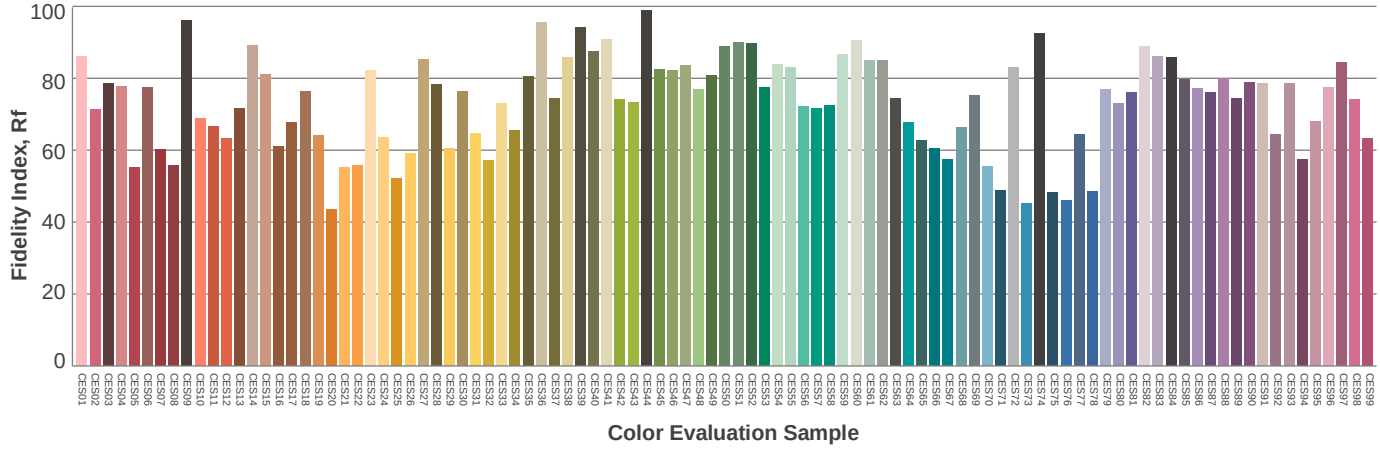




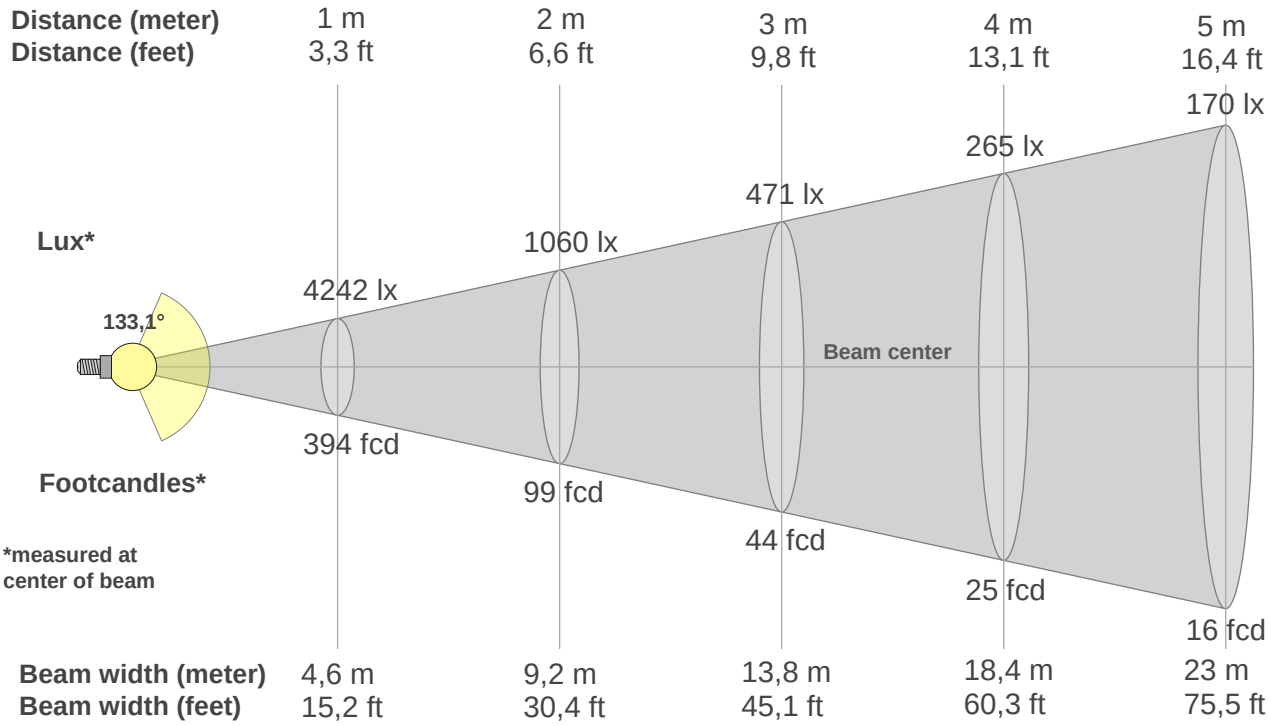








Beam details



Beam intensities from 1-20m

{BEAM_INT_TABLE_START}

m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx
fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd

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°
4242	4296	4463	4761	5252	6023	6842	6691	6679	6993	7220	6677	5637	4558	2289	464	152	13	2	3
100%	101%	105%	112%	124%	142%	161%	158%	157%	165%	170%	157%	133%	107%	54%	11%	4%	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°
4242	4198	4243	4403	4706	5300	6192	6206	5863	5950	5965	5158	4253	3260	1372	583	232	16	3	4
100%	99%	100%	104%	111%	125%	146%	146%	138%	140%	141%	122%	100%	77%	32%	14%	5%	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°
4242	4311	4513	4830	5303	6032	6910	6882	6673	6797	6842	6276	5557	4374	2524	459	147	9	2	3
100%	102%	106%	114%	125%	142%	163%	162%	157%	160%	161%	148%	131%	103%	60%	11%	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°
4242	4443	4768	5202	5796	6637	7433	7478	7695	7946	7917	7247	6148	5565	3305	448	147	9	2	3
100%	105%	112%	123%	137%	156%	175%	176%	181%	187%	187%	171%	145%	131%	78%	11%	3%	0%	0%	0%

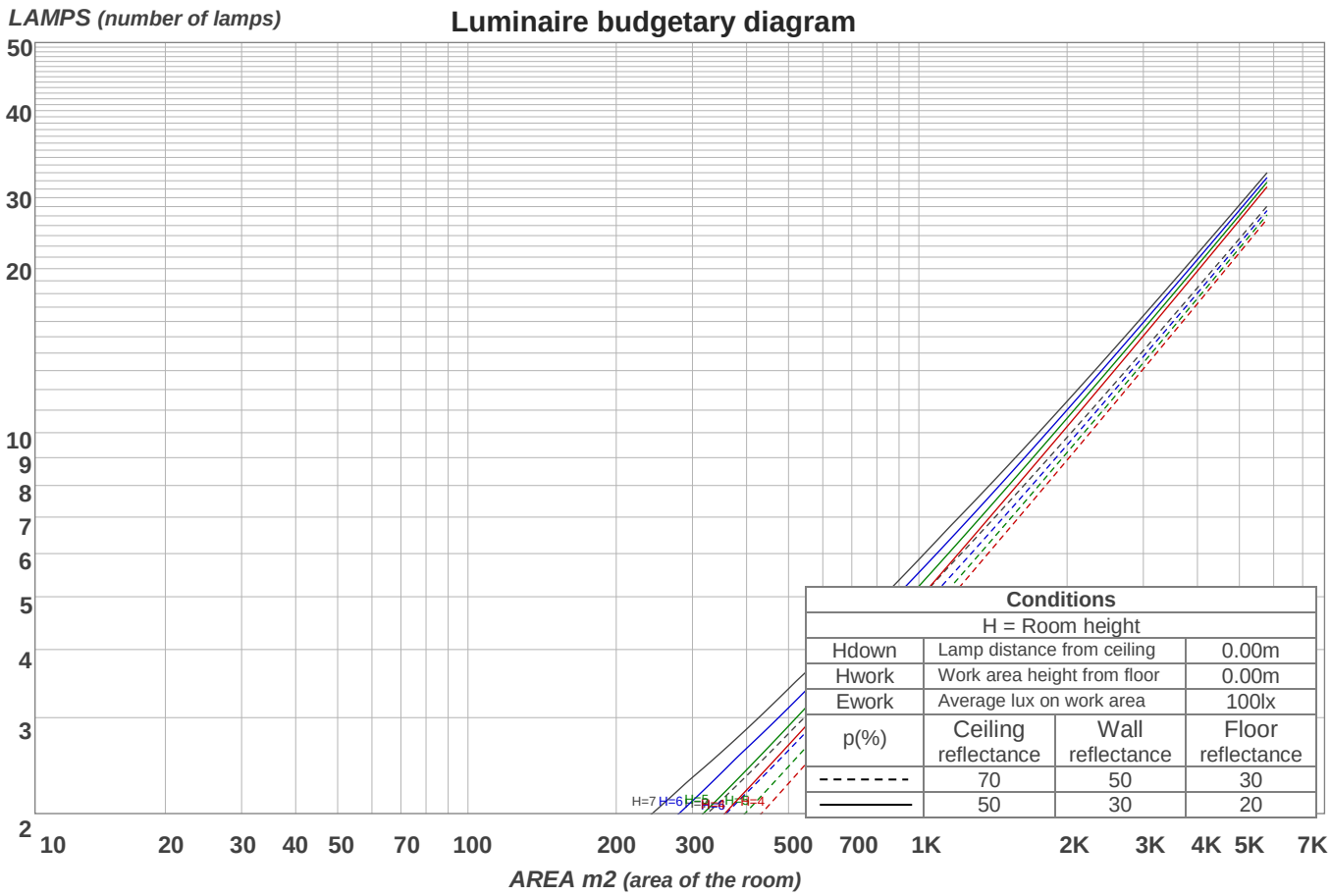
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
133,1°	**146,6°**	**158,9°**	**79,7%**	**45,7%**

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	97	106	102	98	95	98	95	92	94	92	89	90	88	87	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	41	39
6	67	53	43	37	65	52	43	36	50	42	36	48	41	36	47	40	35	33
7	62	47	38	31	60	46	38	31	45	37	31	43	36	31	42	35	31	28
8	57	43	34	27	55	42	33	27	40	33	27	39	32	27	38	31	27	25
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	21
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	19

Luminaire budgetary diagram



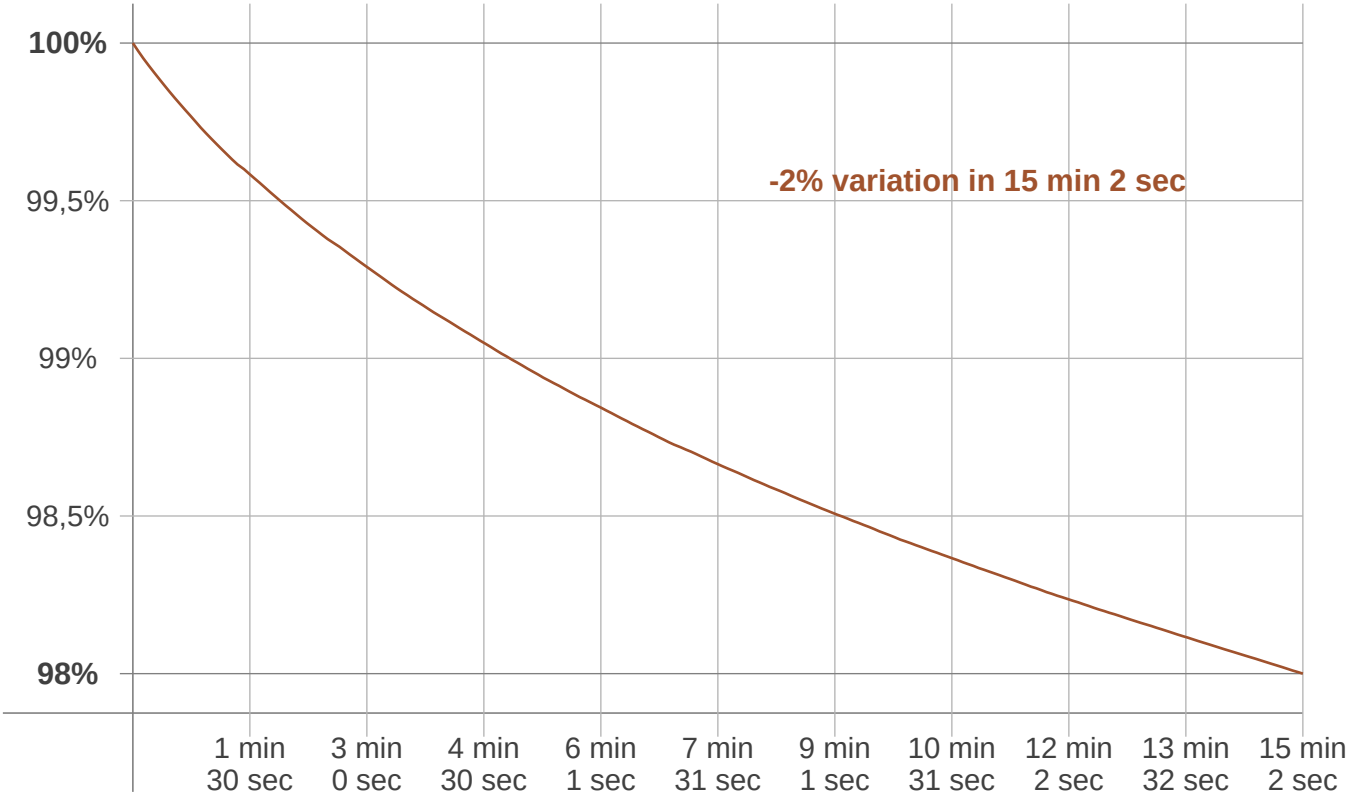
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
417 lm	1378 lm	2815 lm	4280 lm	5367 lm	5651 lm	4215 lm	790 lm	42,0 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
3,39 lm	4,86 lm	5,05 lm	4,67 lm	4,14 lm	3,48 lm	2,68 lm	1,72 lm	0,595 lm

Stabilization

Warmup curve



Warmup result

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

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5181 K	+28 K	5209 K

Output change

Output start	Output change	Output end
25464 lm	-479 lm	24985 lm