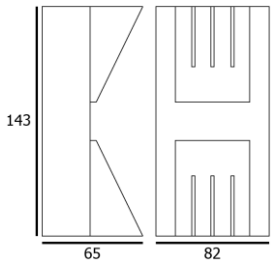
Luminaria para exterior

Ancho: 82; **Alto:** 143
Profundidad: 65.



Código

1552

Descripción

Luminaria tipo aplique decorativo, directa e indirecta. Diseñada con dos módulos de LED integrados. Para sobreponer en pared o muro, con óptico especular y difusor en vidrio templado transparente.

Materiales y acabado

Cuerpo en aluminio inyectado, con acabado en pintura poliéster electroestática texturizada.

Color

Gris.

Características técnicas

LED	100° / 100°	30,000h	IP 54	IK 08

PF 0,57	°C 0-55	V 85-265	Hz 50

Fuente de luz

Módulos de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
3W	>80	4000	179	538

Características de fuente de luz

- Colores temperatura disponible 4000K (neutro).

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

Light efficiency:

179 Lumen/Watt

Light quality:

CRI: 81,1

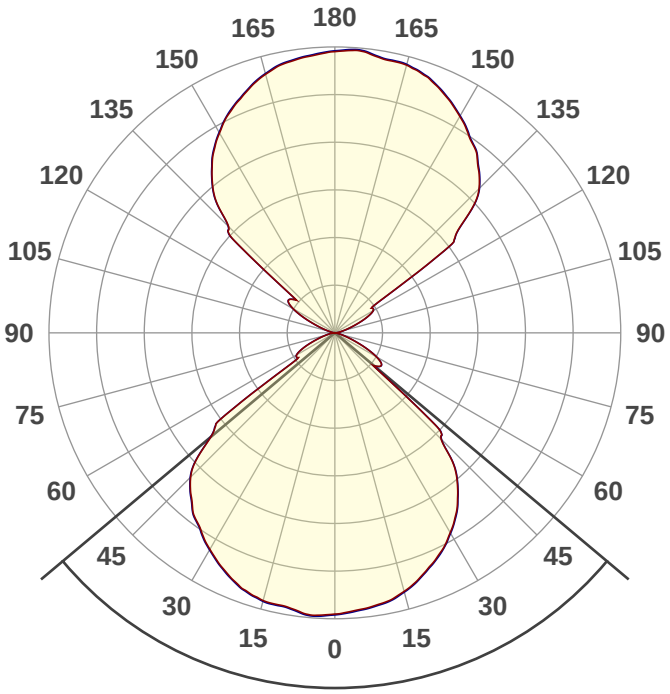
Color temperature:

3998 K

Output: 538 lm
Peak: 128 cd

Power: 3,0 W
PF: 0,57

Product name:
E0240-1552



Beam angle

100°

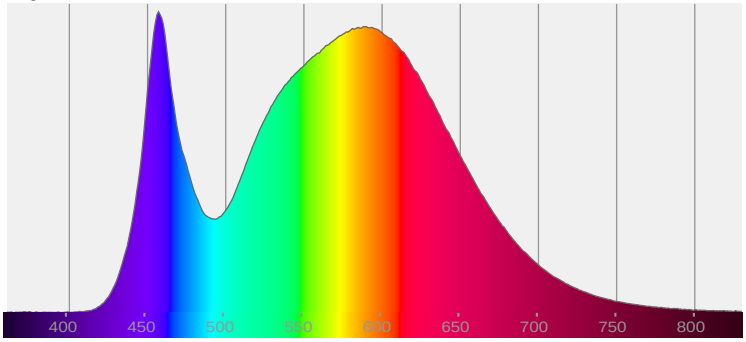
CIE 1931
x: 0,382
y: 0,381

THD Values:

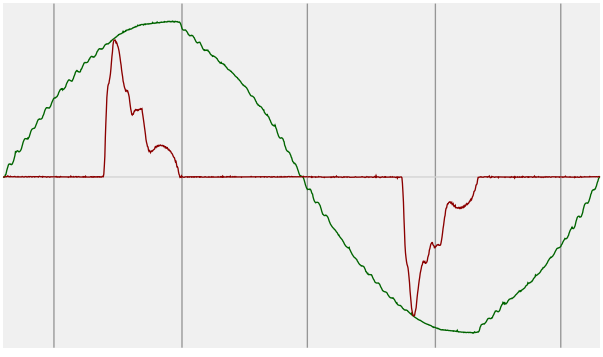
Voltage: 2,36%

Current: 135,28%

Spectra

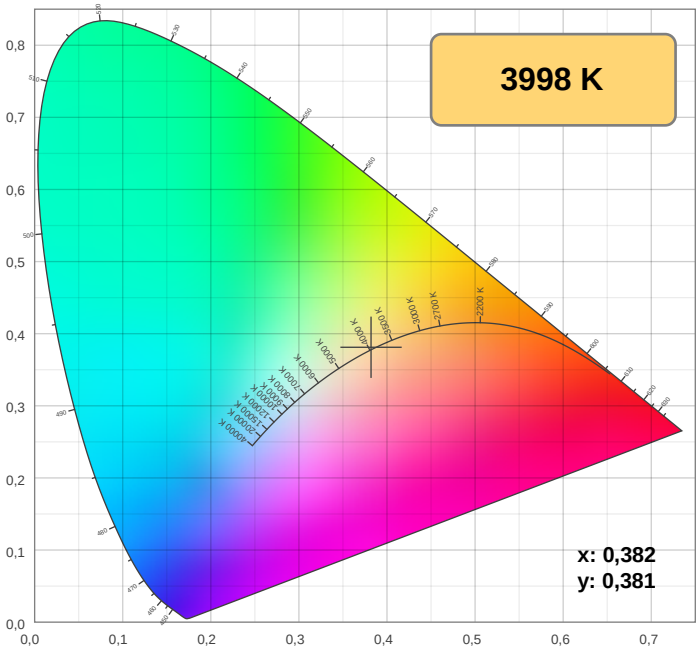


Power



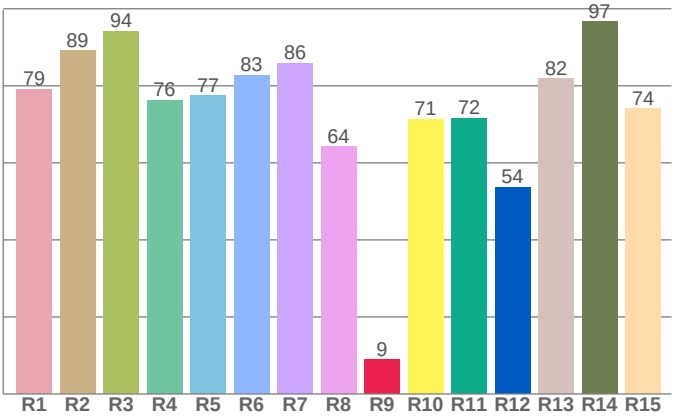
Voltage: 116 V
Current: 0,045 A
Frequency: 60,1 Hz

Color details



CIE 1931

CRI: 81,1 (R1-R8)

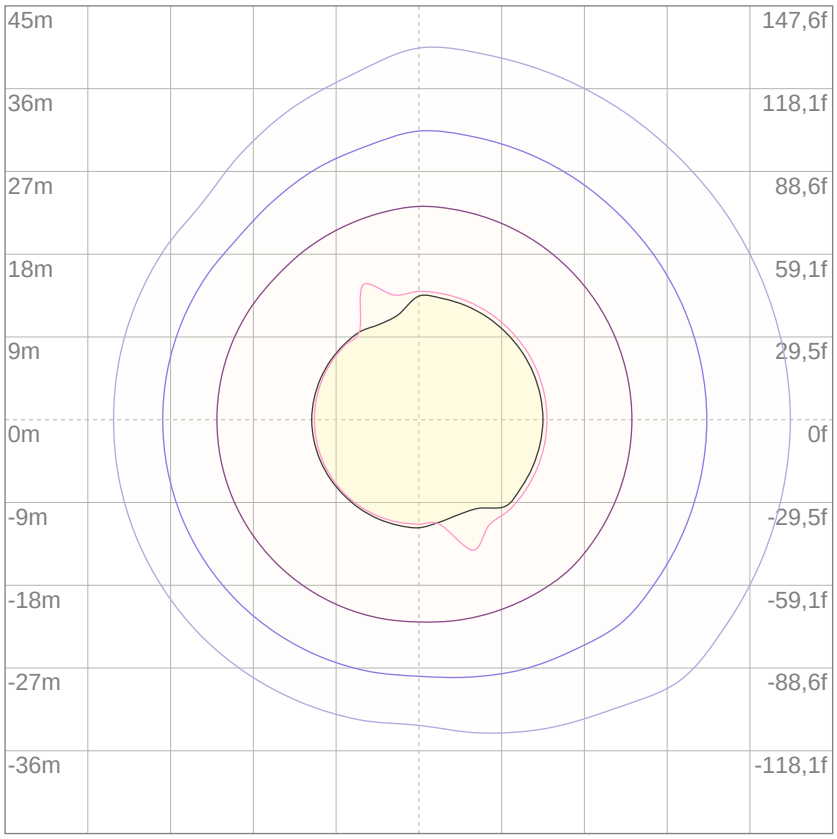


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
79,2	89,1	94,1	76,2	77,4	82,7	85,9	64,2	9,0	71,3	71,6	53,7	81,8	96,6	74,1

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3% 38,1m lx
5% 63,5m lx
10% 0,127 lx
30% 0,381 lx
50% 0,635 lx

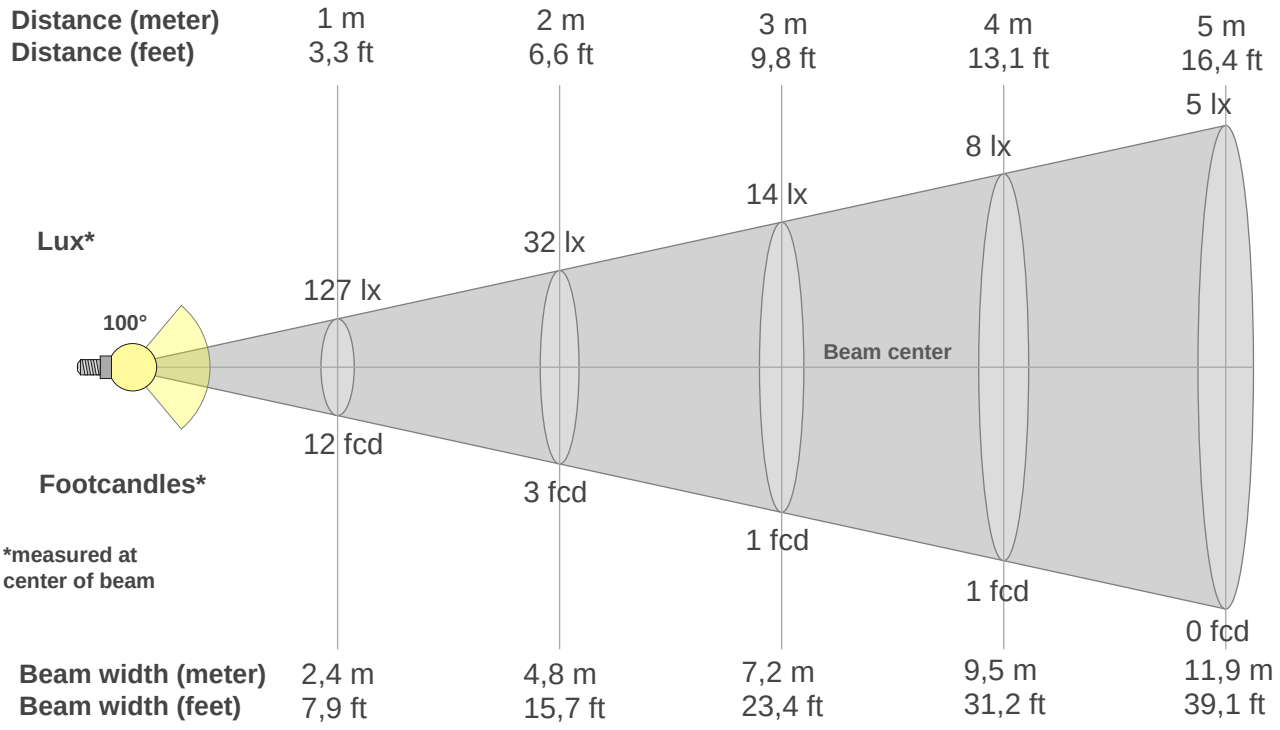
Conditions:

Number of c-planes: 8

Lux at center: 1,27 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
127lx	32lx	14lx	8lx	5lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11,8fcd	2,9fcd	1,3fcd	0,7fcd	0,5fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
127	124	118	108	94	68	25	17	5	0	0	2	7	17	42	92	105	116	124	126
100%	98%	93%	85%	74%	53%	20%	13%	4%	0%	0%	1%	5%	14%	33%	72%	83%	91%	97%	99%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
127	124	118	109	94	68	26	17	5	0	0	2	7	17	42	92	106	116	124	126
100%	98%	93%	86%	74%	54%	20%	13%	4%	0%	0%	1%	5%	14%	33%	73%	83%	92%	98%	99%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
127	126	124	116	105	92	42	17	7	2	0	0	5	17	25	68	94	108	118	124
100%	99%	97%	91%	83%	72%	33%	14%	5%	1%	0%	0%	4%	13%	20%	53%	74%	85%	93%	98%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
127	126	124	116	106	92	42	17	7	2	0	0	5	17	26	68	94	109	118	124
100%	99%	98%	92%	83%	73%	33%	14%	5%	1%	0%	0%	4%	13%	20%	54%	74%	86%	93%	98%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
100°	360°	360°	46,5%	36,2%

TM30 details

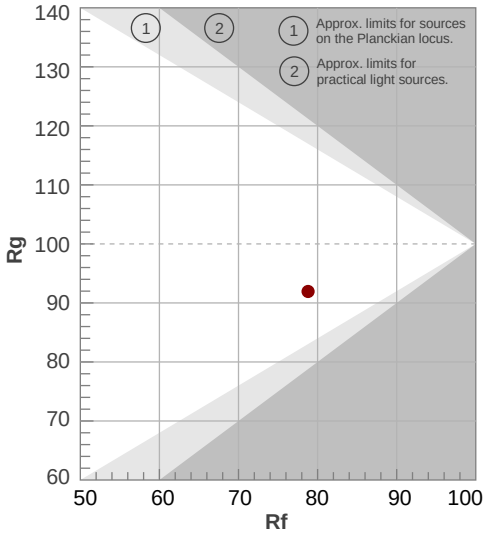
Rf 78,8

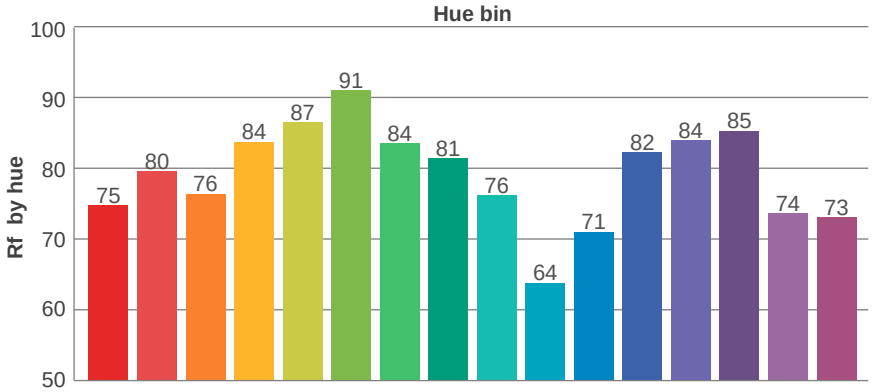
Fidelity index Rf

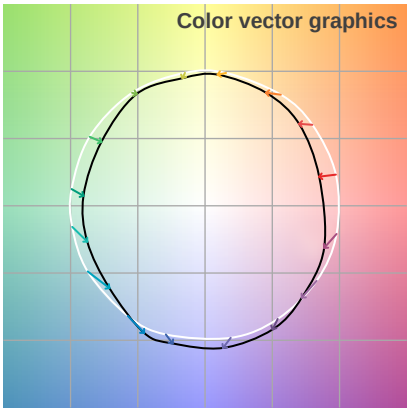
Rg 91,9

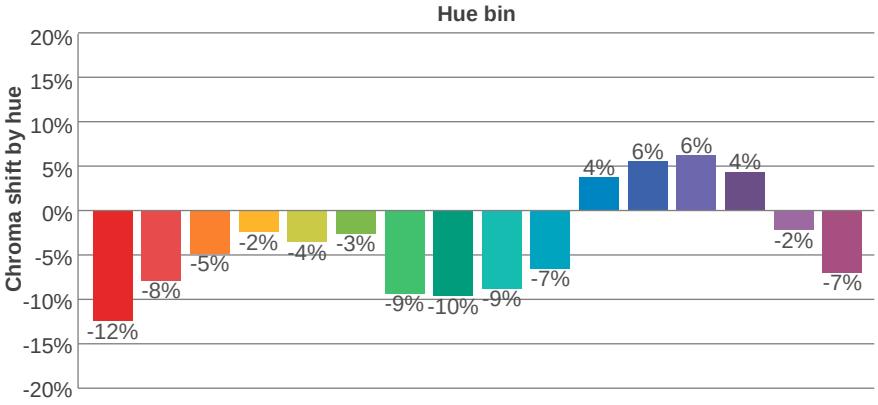
Gammut index Rg

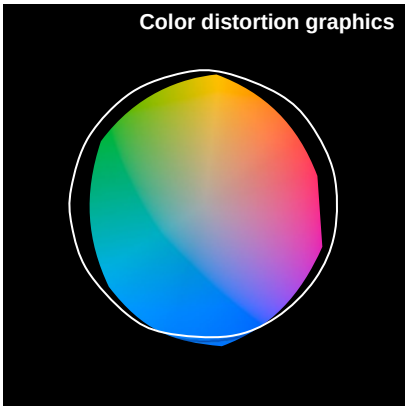
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	75	-12%	1%
2	80	-8%	6%
3	76	-5%	10%
4	84	-2%	6%
5	87	-4%	3%
6	91	-3%	-2%
7	84	-9%	-2%
8	81	-10%	3%
9	76	-9%	13%
10	64	-7%	19%
11	71	4%	17%
12	82	6%	6%
13	84	6%	-7%
14	85	4%	-7%
15	74	-2%	-17%
16	73	-7%	-12%

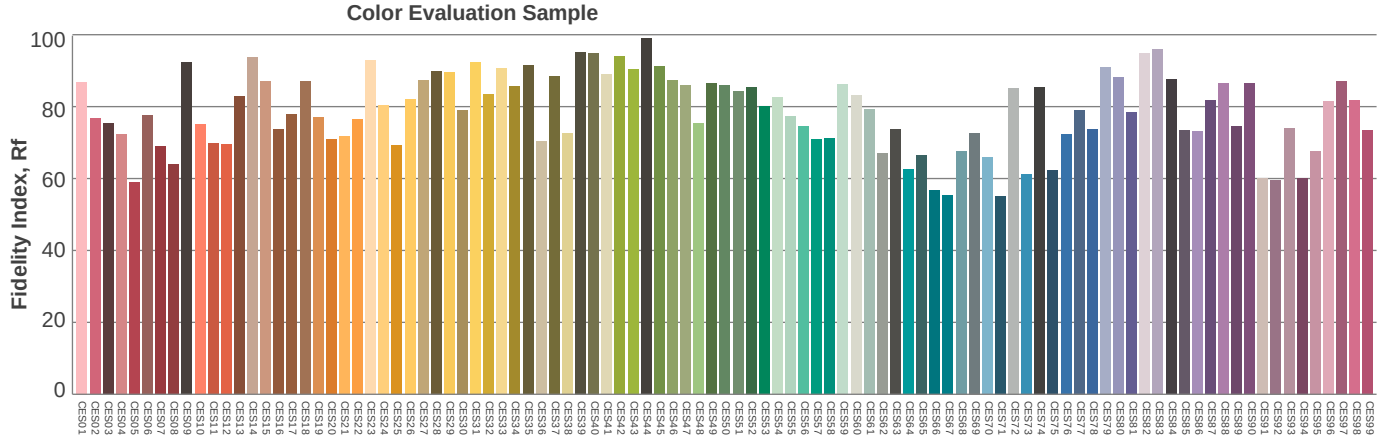










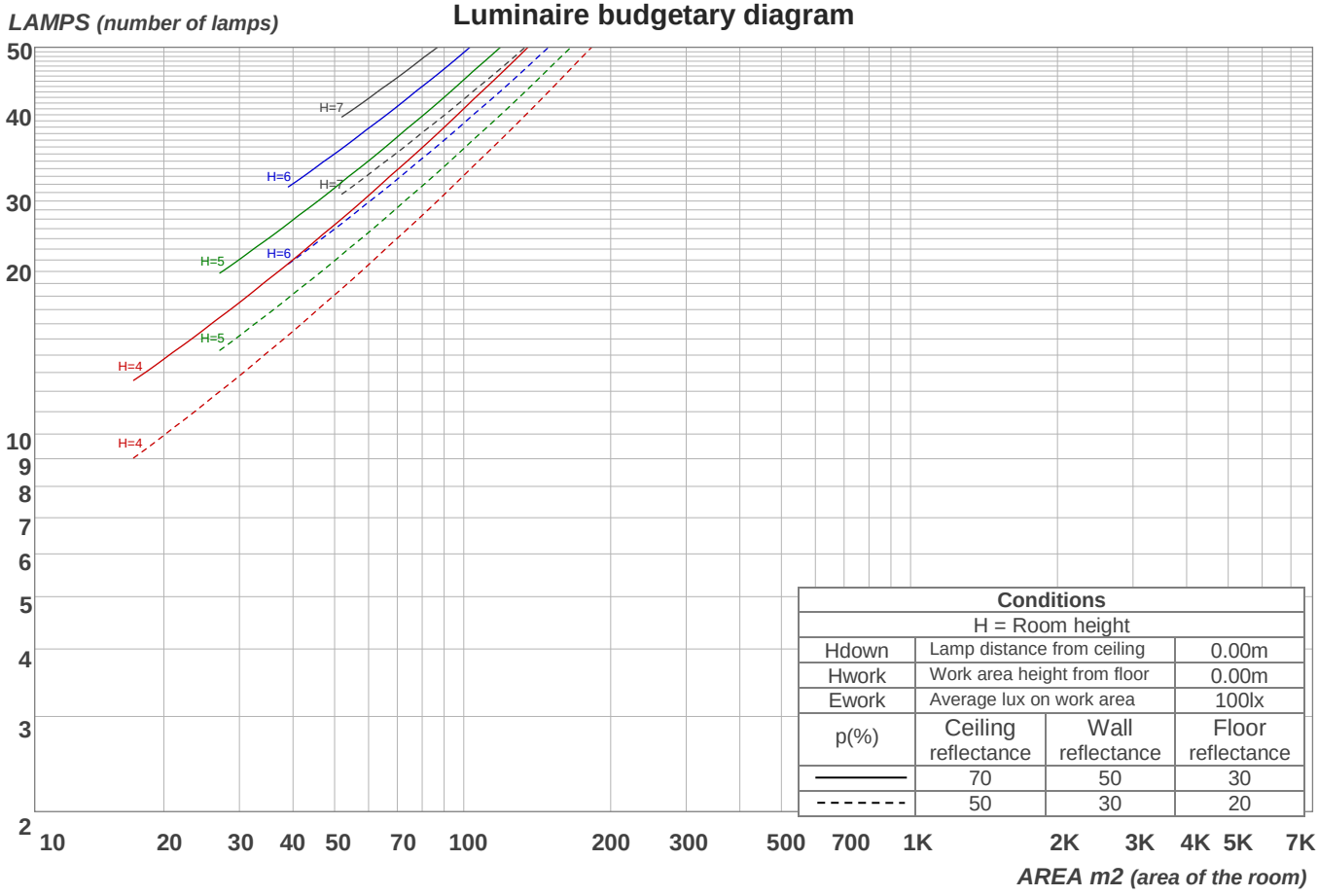


Light planning

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	99	95	92	89	91	88	85	82	75	73	71	63	61	60	51	51	50	44
2	91	84	79	74	84	78	73	69	67	63	60	56	54	52	47	45	44	39
3	84	75	68	63	77	70	64	59	60	56	52	51	48	45	42	40	38	34
4	77	67	60	54	71	62	56	51	54	49	45	46	42	39	38	36	34	30
5	71	60	52	47	65	56	49	44	48	43	39	41	38	35	35	32	30	27
6	66	54	47	41	61	51	44	39	44	39	35	38	34	31	32	29	27	24
7	61	49	42	36	56	46	39	34	40	35	31	34	30	27	29	26	24	21
8	56	45	37	32	52	42	35	31	37	31	28	32	28	25	27	24	22	19
9	53	41	34	29	49	38	32	27	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	22	27	23	20	23	20	18	16

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

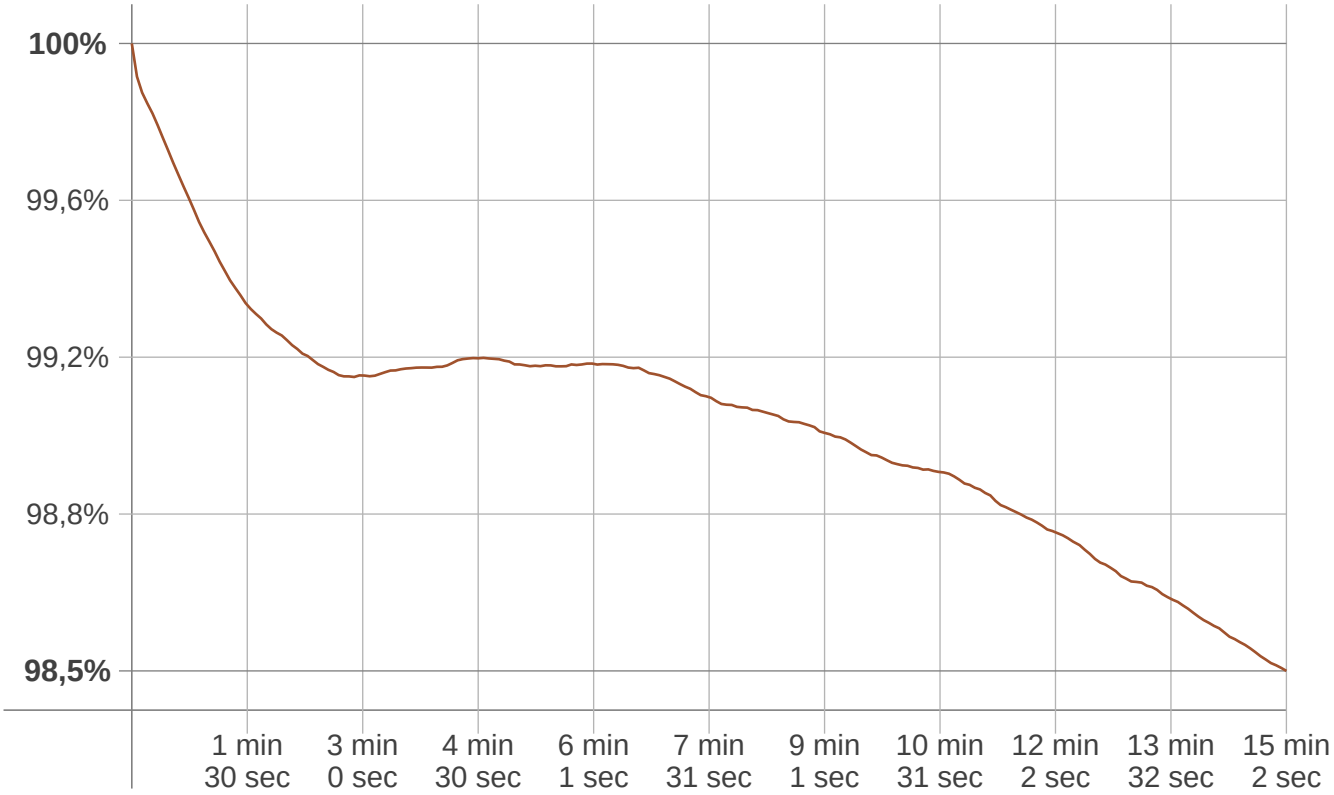
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
12,0 lm	34,6 lm	52,7 lm	63,4 lm	59,4 lm	28,2 lm	14,0 lm	4,10 lm	0,564 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,564 lm	4,10 lm	14,0 lm	28,2 lm	59,4 lm	63,4 lm	52,7 lm	34,6 lm	12,0 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**15 min 2 sec**
Warmup variation	**-1,5%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3985 K	**+13 K**	**3998 K**

Output change

Output start	Output change	Output end
544 lm	**-6 lm**	**538 lm**