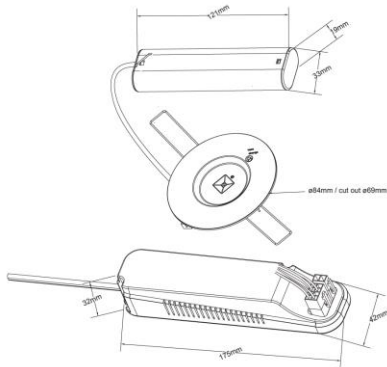


Luminaria de emergencia



Dimensiones (mm)

Diámetro: Ø84.



Código

ELSU

Descripción

Luminaria de emergencia, diseñada con un COB de LED integrado. Montaje para incrustar en cielo.




Materiales y acabado

Luminaria inyectada termoplástica ABS. Resistente a impactos y resistencia a la flama.

Color

Blanco.

Características técnicas

LED	 152°	 50,000h	IP 20
PF 0,43	°C 0-40	V 120-277	

Fuente de luz

COB de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
2,9W	>70	6500	62	180

Características de fuente de luz

- Color temperatura disponible 6500K (luz fría).
- Luz indicadora de encendido, tiempo de operación en emergencia mínimo de 2 horas.
- 24 horas para recargar la batería de la luminaria.

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



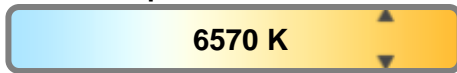
Light efficiency:



Light quality:



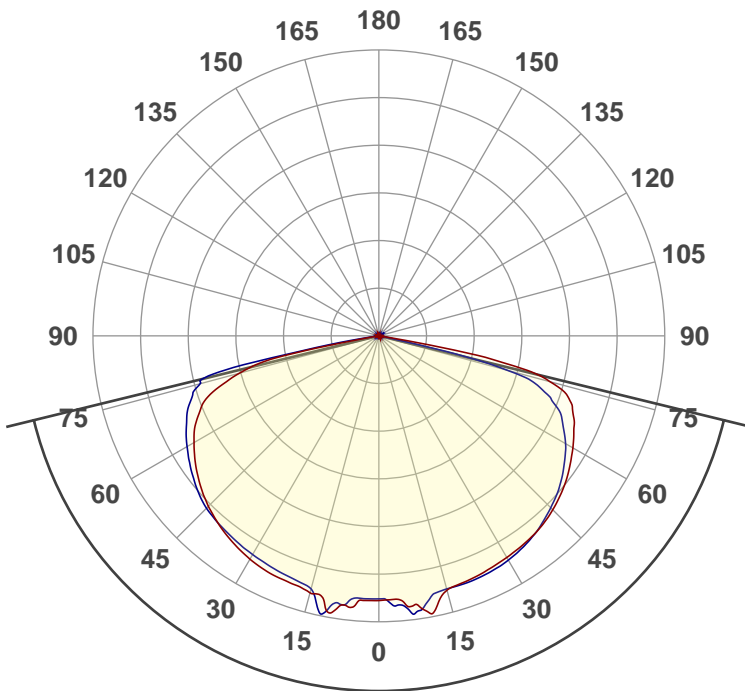
Color temperature:



Output: 180 lm
Peak: 45,1 cd
Power: 2,9 W
PF: 0,43



Product name:
E0260-ELSU



Beam angle **152,5°**

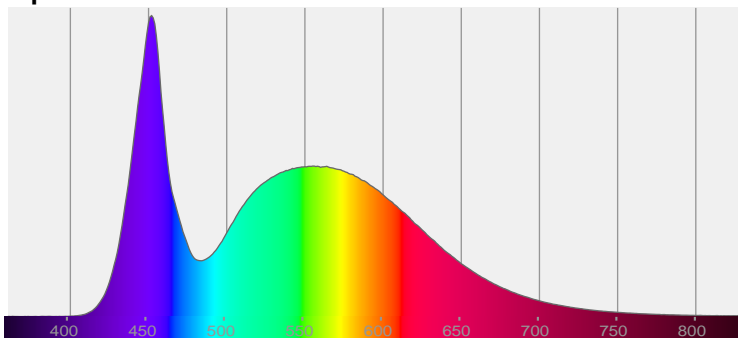


CIE 1931
x: 0,312
y: 0,329

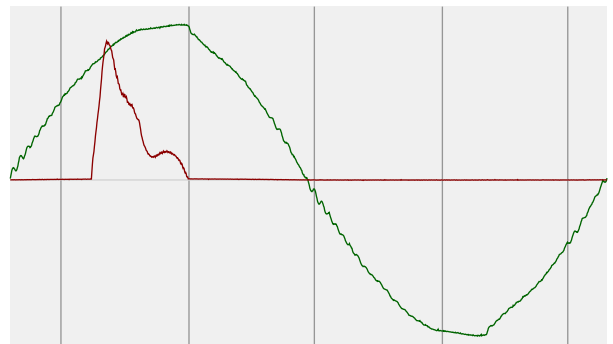
THD Values:

Voltage: 1,99%
Current: 178%

Spectra

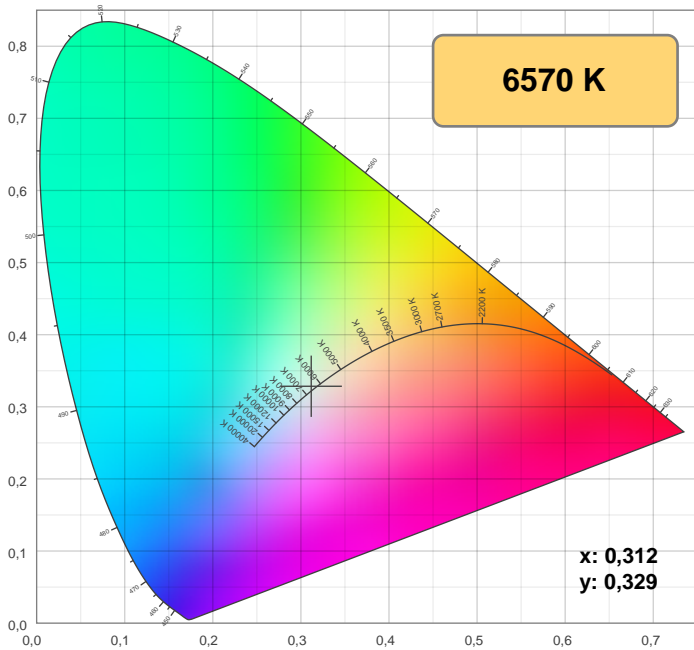


Power



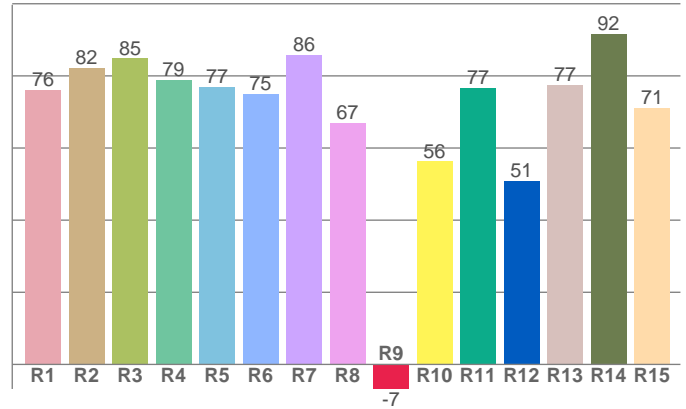
Voltage: 112 V
 Current: 0,060 A
 Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 78,3 (R1-R8)

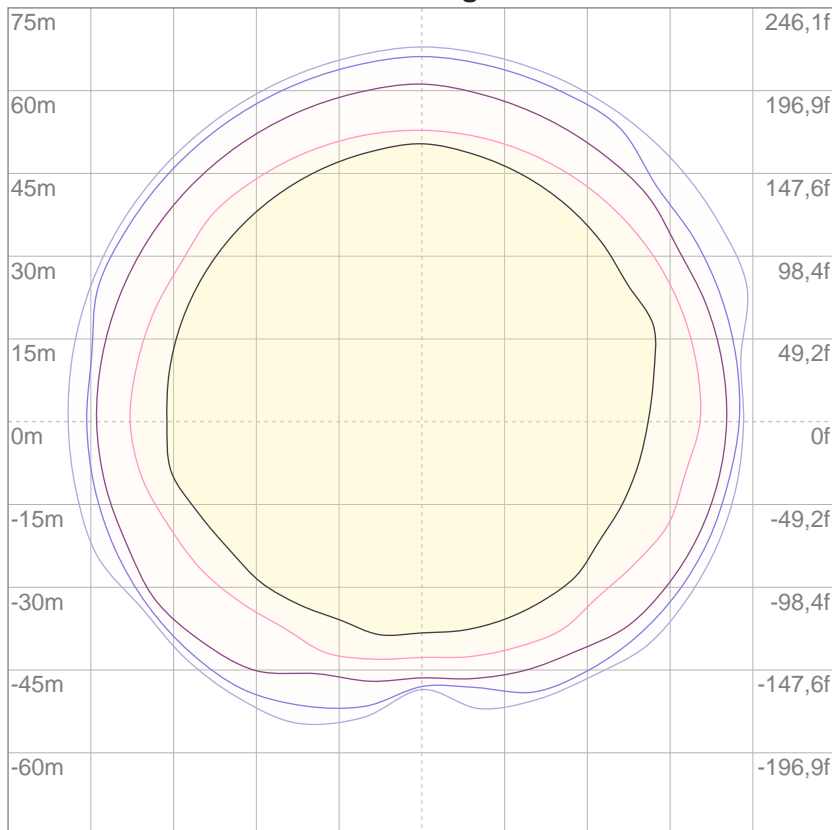


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
76,1	82,1	84,8	78,8	76,9	74,9	85,9	66,9	-6,8	56,2	76,6	50,8	77,4	91,6	71,2

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	12,6m lx
5%	20,9m lx
10%	41,9m lx
30%	0,126 lx
50%	0,209 lx

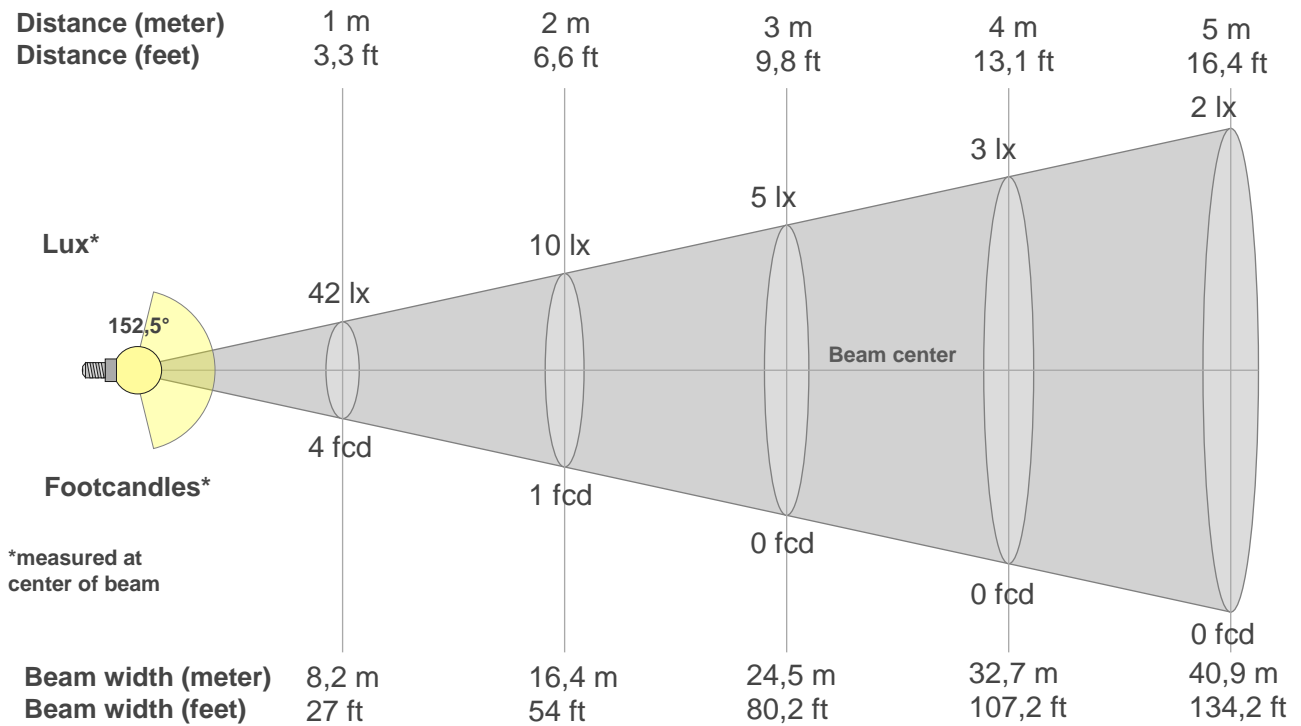
Conditions:

Number of c-planes: 4

Lux at center: 0,419 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
42lx	10lx	5lx	3lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3,9fcd	1fcd	0,4fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

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°
41,9	42,2	44,4	41,8	41,3	40,9	40,6	40,2	39,8	39,0	38,1	36,9	35,5	34,2	32,6	28,1	6,9	0,3	0,1	0,0
100%	101%	106%	100%	99%	98%	97%	96%	95%	93%	91%	88%	85%	82%	78%	67%	16%	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°
41,9	42,9	43,2	41,6	41,6	41,4	41,1	40,5	39,7	38,6	37,4	35,9	34,2	32,1	29,0	21,1	0,4	0,3	0,0	0,0
100%	103%	103%	99%	99%	99%	98%	97%	95%	92%	89%	86%	82%	77%	69%	50%	1%	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°
41,9	42,8	44,6	42,2	41,6	41,4	40,9	40,2	39,3	38,2	37,0	35,5	33,9	31,9	29,1	22,9	2,5	0,3	0,0	0,0
100%	102%	107%	101%	99%	99%	98%	96%	94%	91%	88%	85%	81%	76%	70%	55%	6%	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°
41,9	41,8	43,4	41,6	40,8	40,4	40,1	39,6	39,2	38,7	37,7	36,5	35,1	33,7	32,0	29,4	7,6	0,3	0,2	0,0
100%	100%	104%	99%	98%	97%	96%	95%	94%	92%	90%	87%	84%	80%	77%	70%	18%	1%	0%	0%

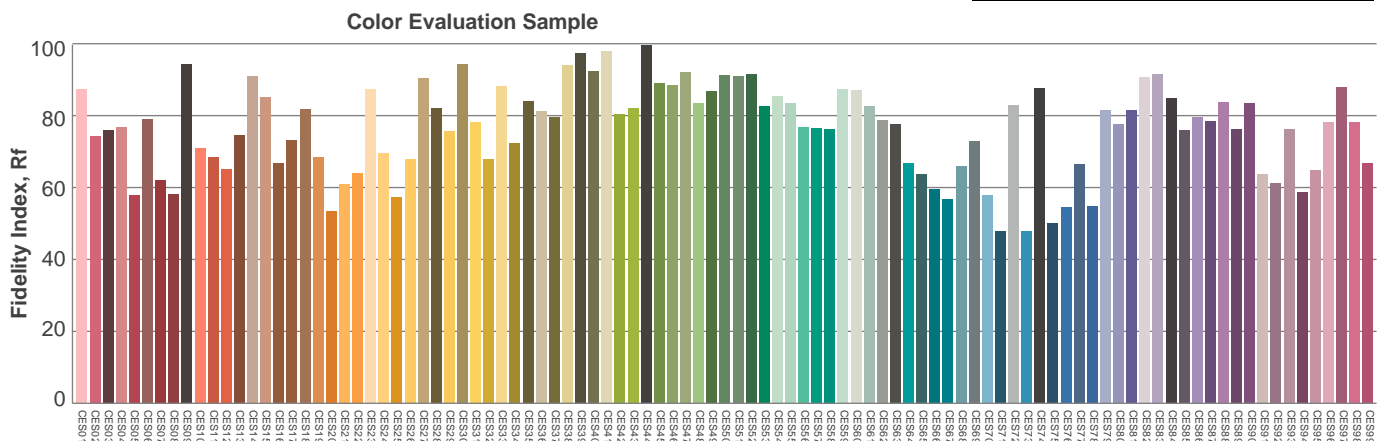
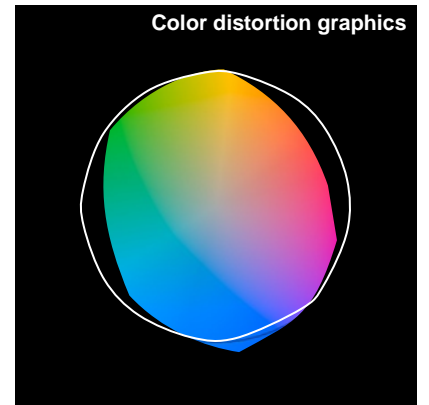
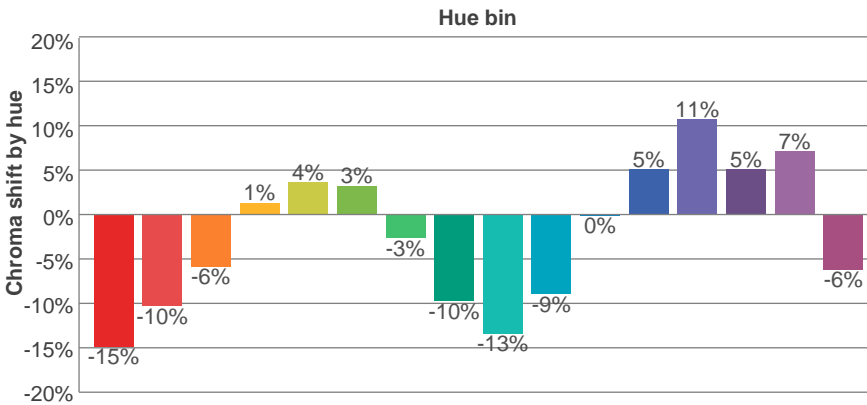
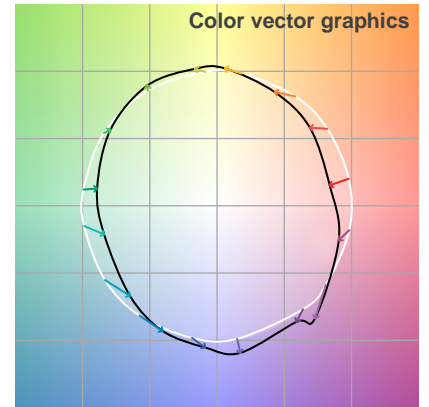
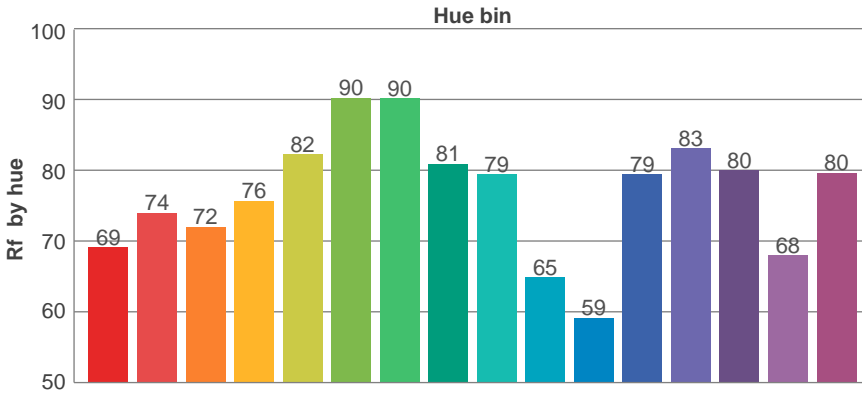
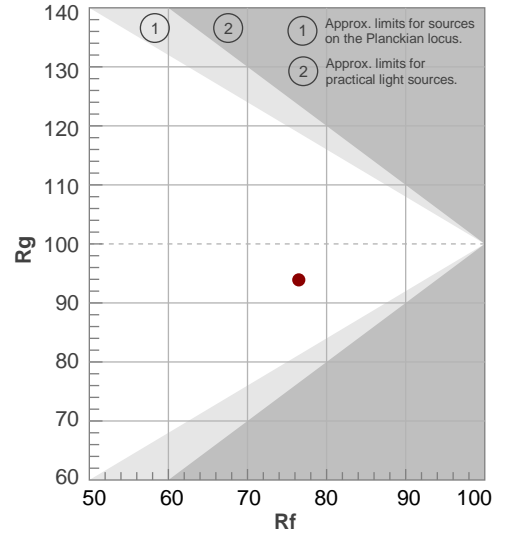
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
152,5°	159,2°	161,3°	68,2%	41,6%

TM30 details

Rf 76,5
Fidelity index Rf

Rg 93,9
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	69	-15%	-2%
2	74	-10%	8%
3	72	-6%	14%
4	76	1%	13%
5	82	4%	7%
6	90	3%	-2%
7	90	-3%	-5%
8	81	-10%	-3%
9	79	-13%	9%
10	65	-9%	20%
11	59	0%	21%
12	79	5%	11%
13	83	11%	0%
14	80	5%	-9%
15	68	7%	-25%
16	80	-6%	-9%



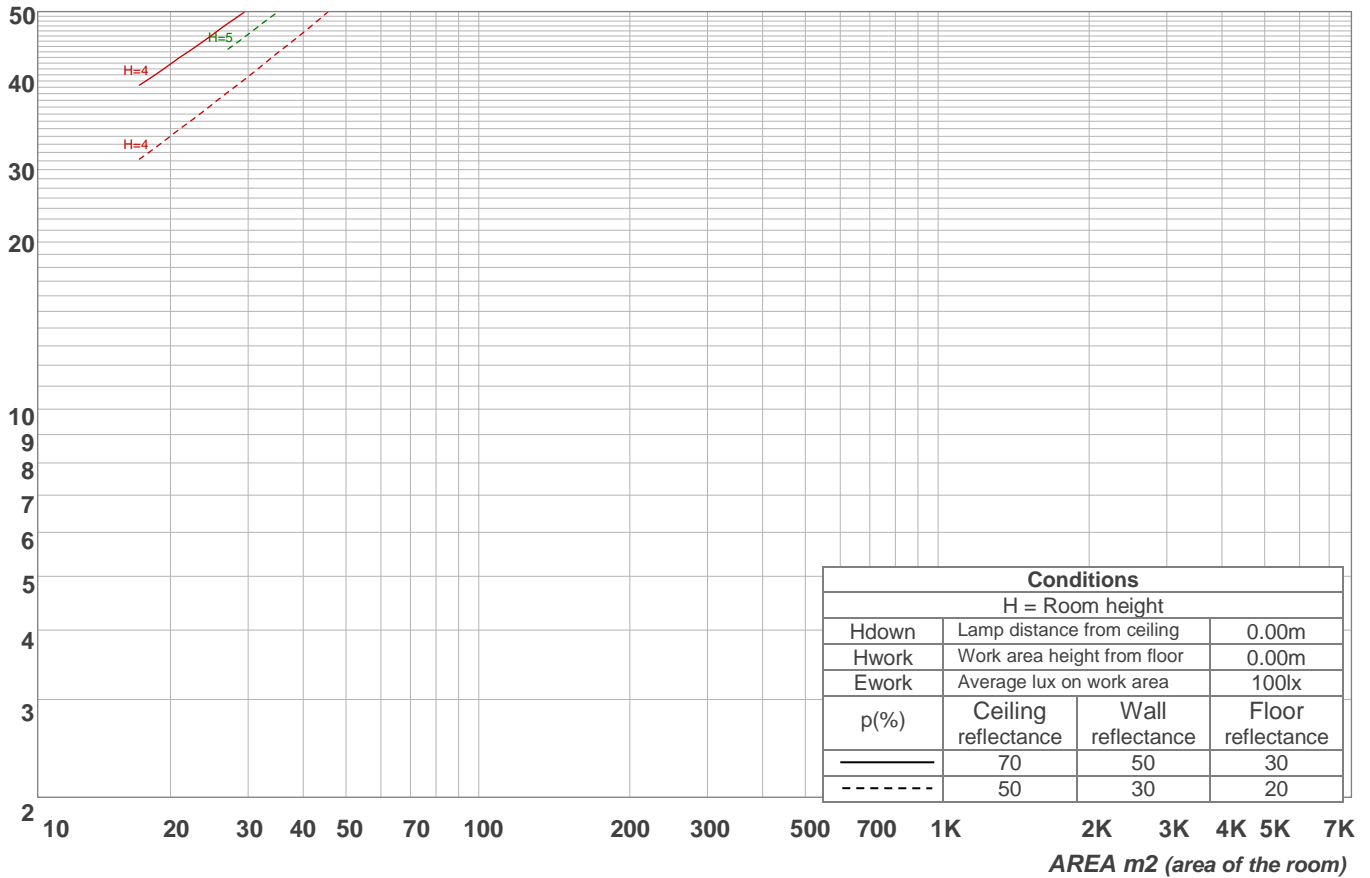
Light planning

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	96	87	79	72	93	85	77	71	81	75	70	78	72	68	74	70	66	64
3	86	74	65	58	84	73	64	57	70	62	56	67	60	55	64	59	54	52
4	78	65	55	47	76	63	54	47	61	53	46	58	51	46	56	50	45	43
5	71	57	47	40	69	56	46	39	54	45	39	51	44	39	50	43	38	36
6	65	51	41	34	63	50	40	34	48	40	33	46	39	33	44	38	33	30
7	60	46	36	29	58	45	36	29	43	35	29	42	34	29	40	34	29	26
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	22	21
10	49	35	26	21	47	34	26	21	33	26	20	32	25	20	31	25	20	18

LAMPS (number of lamps)

Luminaire budgetary diagram

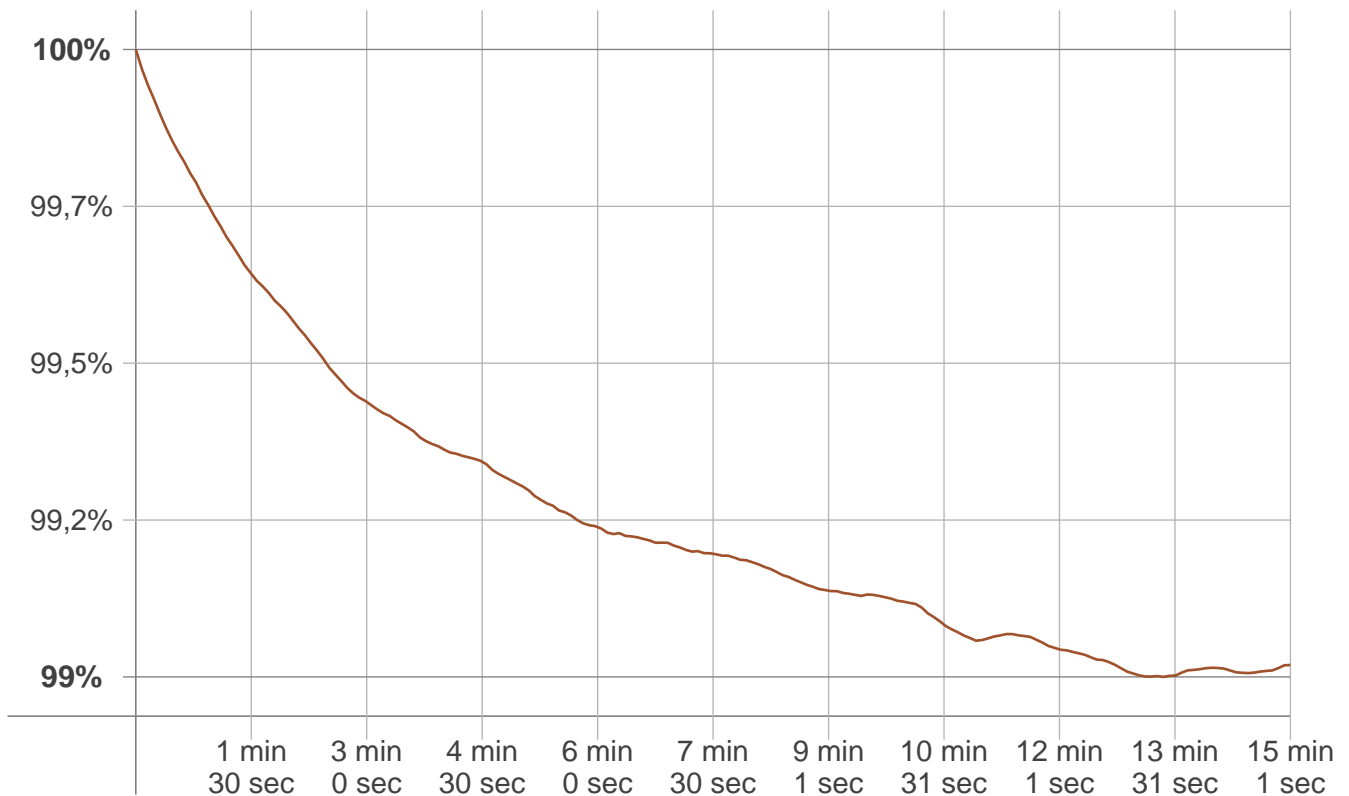


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
4,11 lm	11,9 lm	19,0 lm	25,2 lm	29,9 lm	32,4 lm	32,6 lm	23,8 lm	0,641 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,016 lm	0,010 lm	0,010 lm	0,009 lm	0,008 lm	0,006 lm	0,004 lm	0,002 lm	0,001 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 1 sec
Warmup variation	-1,0%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
6571 K	-1 K	6570 K

Output change

Output start	Output change	Output end
181 lm	-2 lm	180 lm