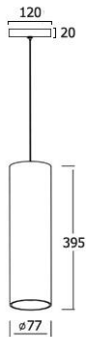




Dimensiones (mm)

Diámetro: Ø77
Alto: 395.



Código

SL357

Descripción

Luminaria para descolgar, diseñada con módulo de LED.




Materiales y acabado

Cuerpo en aluminio. Base y a fabricados en acero laminado en frío. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

Color

Negro.

Características técnicas

LED	 36°	 30,000h	IP 20
PF 0,52	°C 0-55	V 100-240	

Fuente de luz

Bala con módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
6,2W	>80	3000	87	666

Características de fuente de luz

- Colores temperatura disponible 3000K (cálido).
- Potencia de Salida: 7,7W.

Light efficiency:



Light quality:



Color temperature:



Output: 666 lm

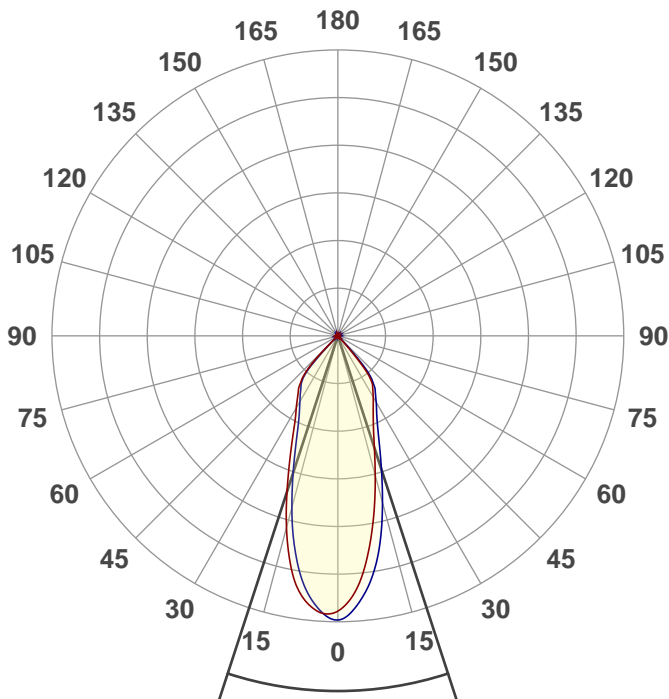
Peak: 1121 cd

Power: 7,7 W

PF: 0,52



Product name:
E0196-SL357



Beam angle

36,1°



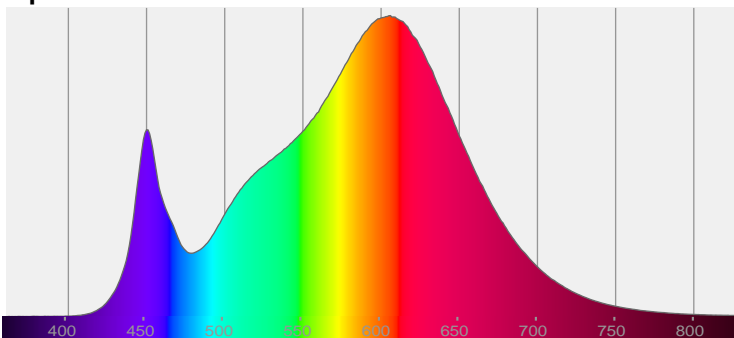
CIE 1931
x: 0,428
y: 0,395

THD Values:

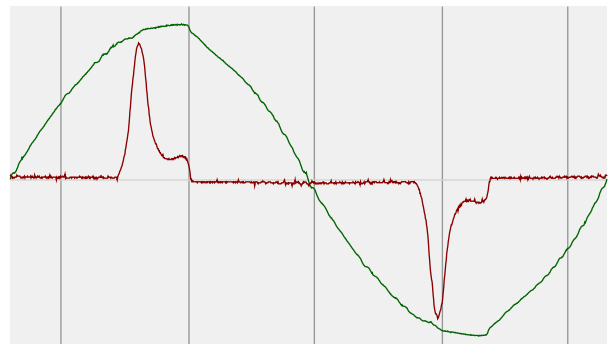
Voltage: 2,64%

Current: 154,83%

Spectra

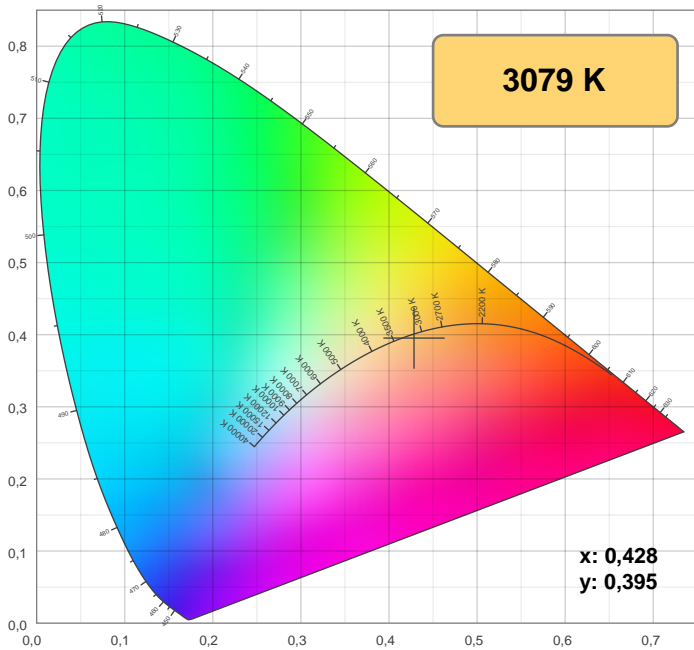


Power



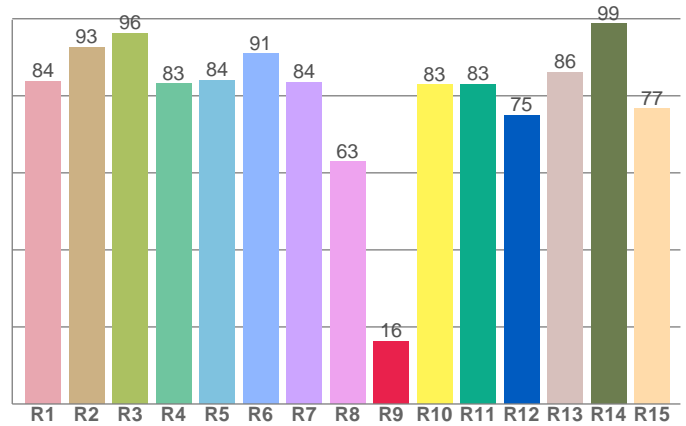
Voltage: 116 V
Current: 0,129 A
Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 84,6 (R1-R8)

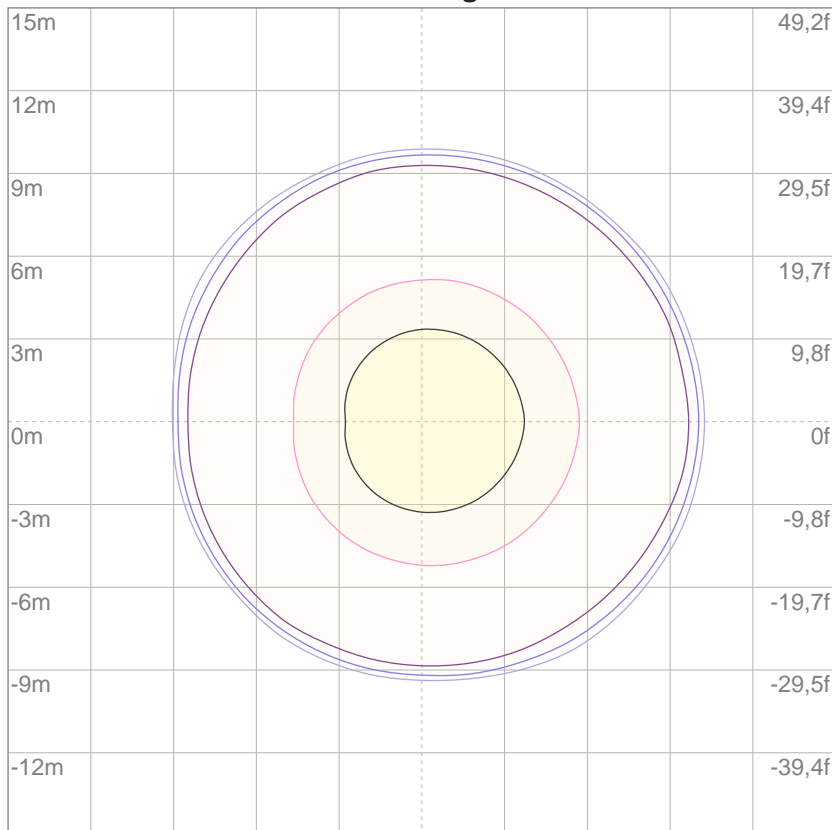


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
83,8	92,6	96,2	83,1	84,0	90,9	83,6	62,9	16,3	82,9	83,0	75,0	86,1	98,7	76,6

ISO Diagrams

ISO lux diagram



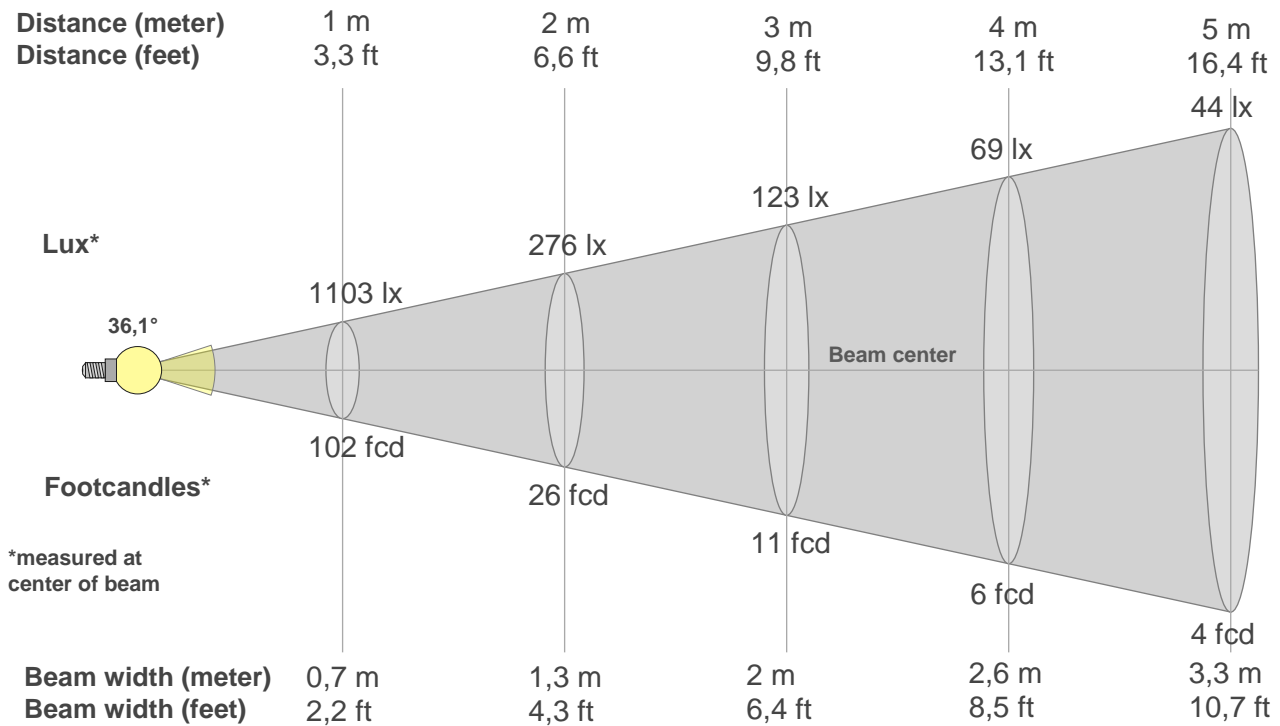
Mounting height: 10 meters (33 f)

3%	0,331 lx
5%	0,551 lx
10%	1,10 lx
30%	3,31 lx
50%	5,51 lx

Conditions:
 Number of c-planes: 4
 Lux at center: 11,0 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
1103lx	276lx	123lx	69lx	44lx	31lx	23lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
102,5fcd	25,6fcd	11,4fcd	6,4fcd	4,1fcd	2,8fcd	2,1fcd	1,6fcd	1,3fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1103	1055	1008	942	863	778	692	609	533	467	414	374	343	318	298	279	261	246	229	197
100%	96%	91%	85%	78%	71%	63%	55%	48%	42%	38%	34%	31%	29%	27%	25%	24%	22%	21%	18%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1103	1104	1067	1020	963	894	812	724	637	557	488	429	384	351	325	303	281	264	244	217
100%	100%	97%	92%	87%	81%	74%	66%	58%	51%	44%	39%	35%	32%	29%	27%	26%	24%	22%	20%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1103	1097	1091	1069	1033	982	909	827	739	650	568	497	439	390	354	328	304	282	265	243
100%	100%	99%	97%	94%	89%	82%	75%	67%	59%	51%	45%	40%	35%	32%	30%	28%	26%	24%	22%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1103	1111	1080	1038	984	914	833	747	656	572	497	434	385	348	321	300	281	263	248	232
100%	101%	98%	94%	89%	83%	76%	68%	60%	52%	45%	39%	35%	32%	29%	27%	25%	24%	22%	21%

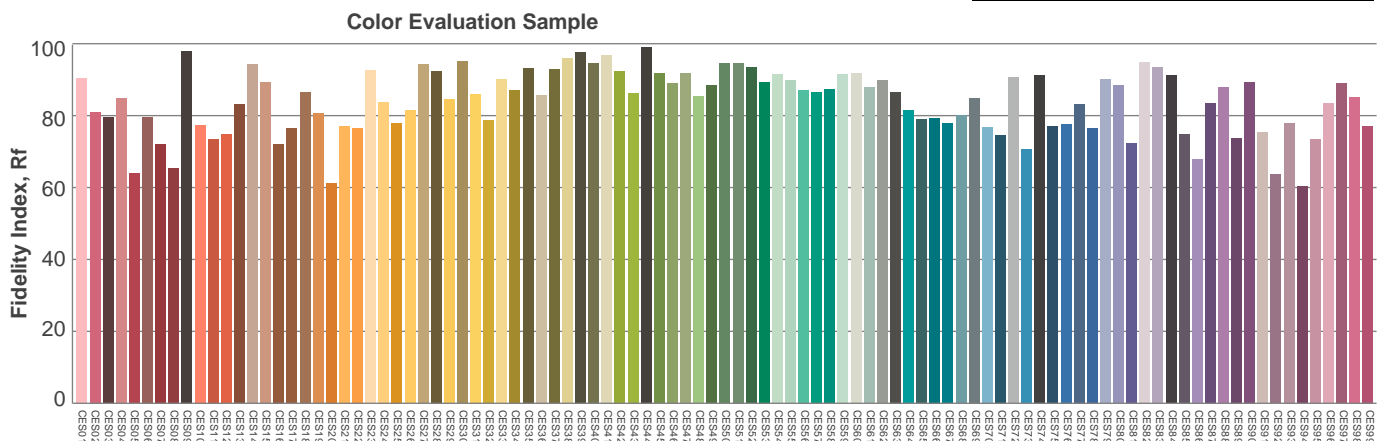
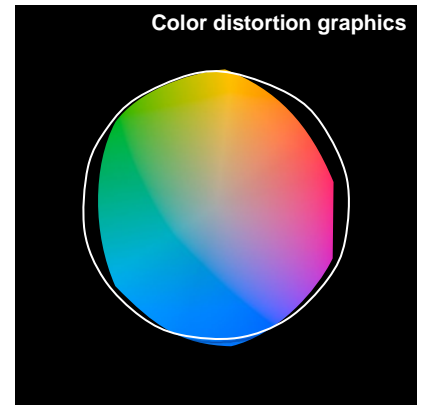
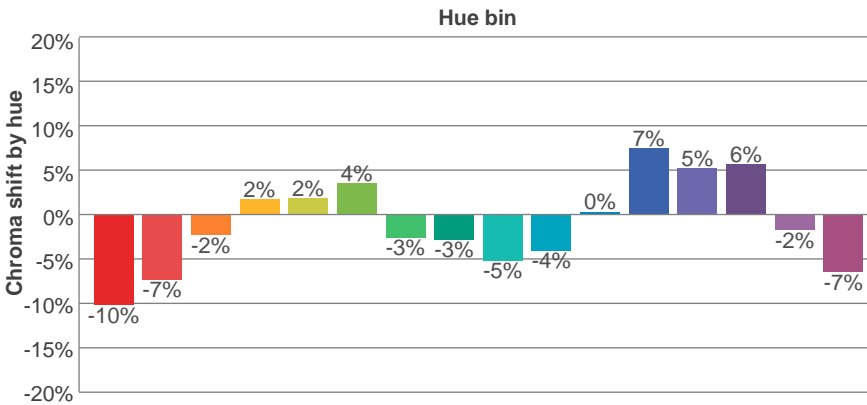
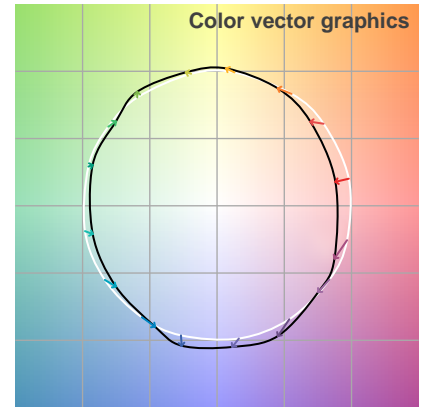
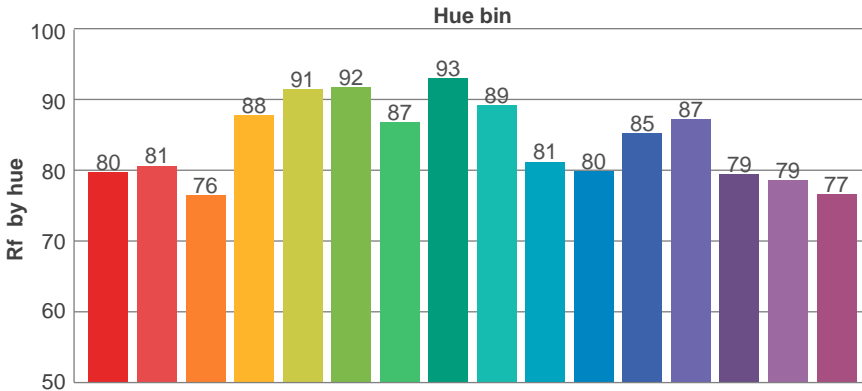
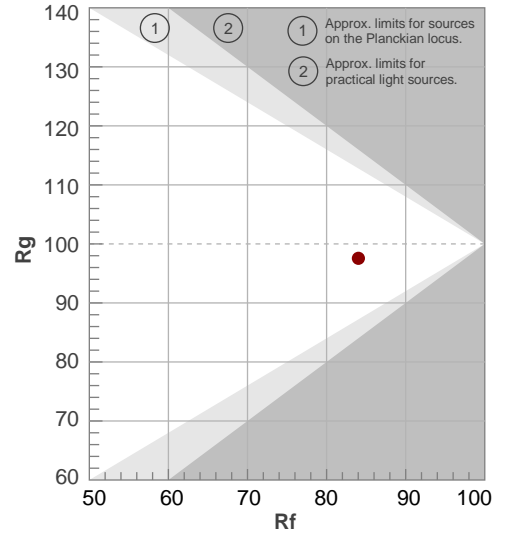
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,1°	84,3°	88,2°	98,8%	97,2%

TM30 details

Rf 84,0
Fidelity index Rf

Rg 97,6
Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	80	-10%	0%
2	81	-7%	7%
3	76	-2%	11%
4	88	2%	7%
5	91	2%	4%
6	92	4%	-2%
7	87	-3%	-6%
8	93	-3%	-2%
9	89	-5%	3%
10	81	-4%	9%
11	80	0%	12%
12	85	7%	2%
13	87	5%	-6%
14	79	6%	-14%
15	79	-2%	-12%
16	77	-7%	-15%



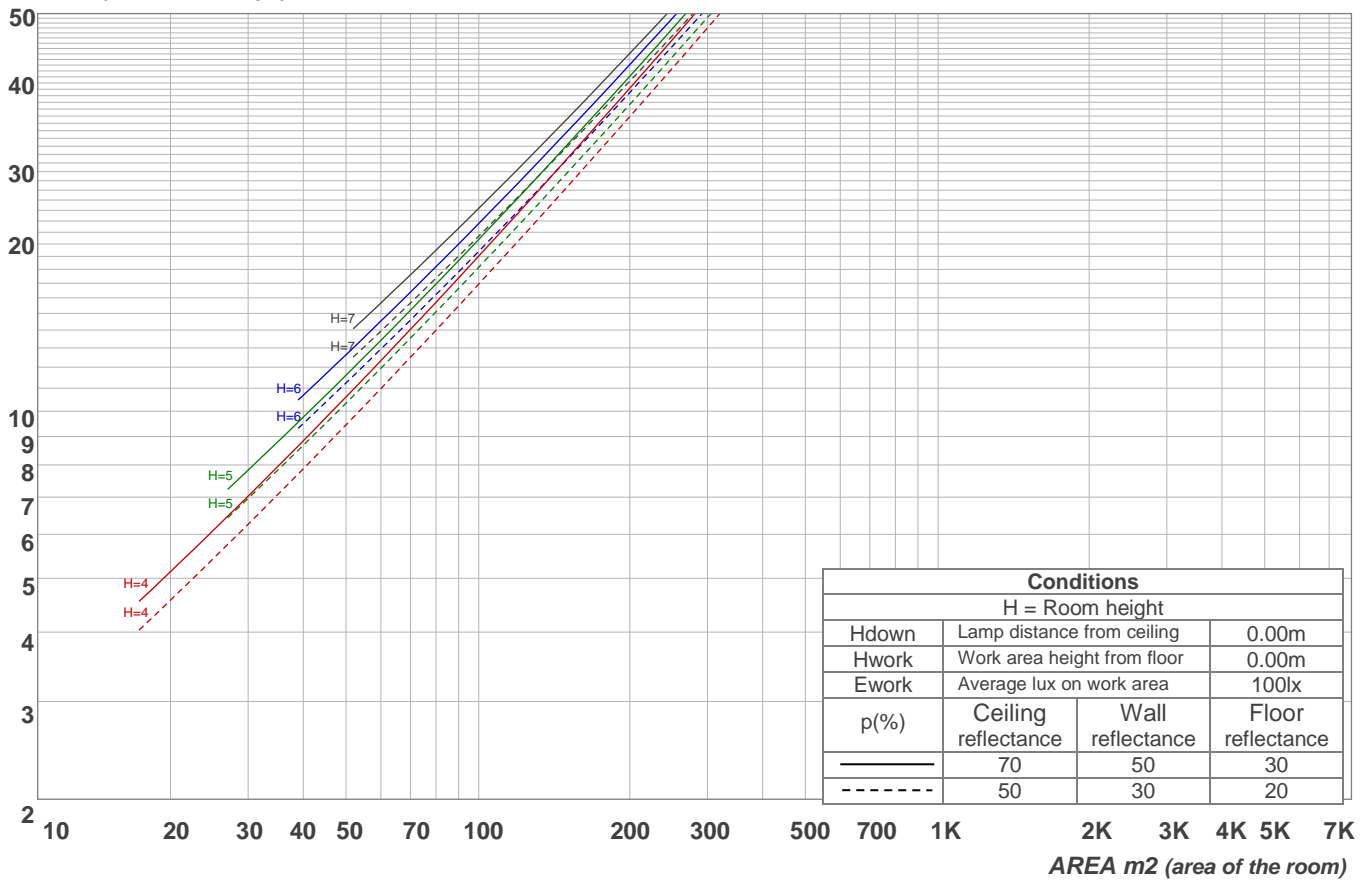
Light planning

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	66	60	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

LAMPS (number of lamps)

Luminaire budgetary diagram

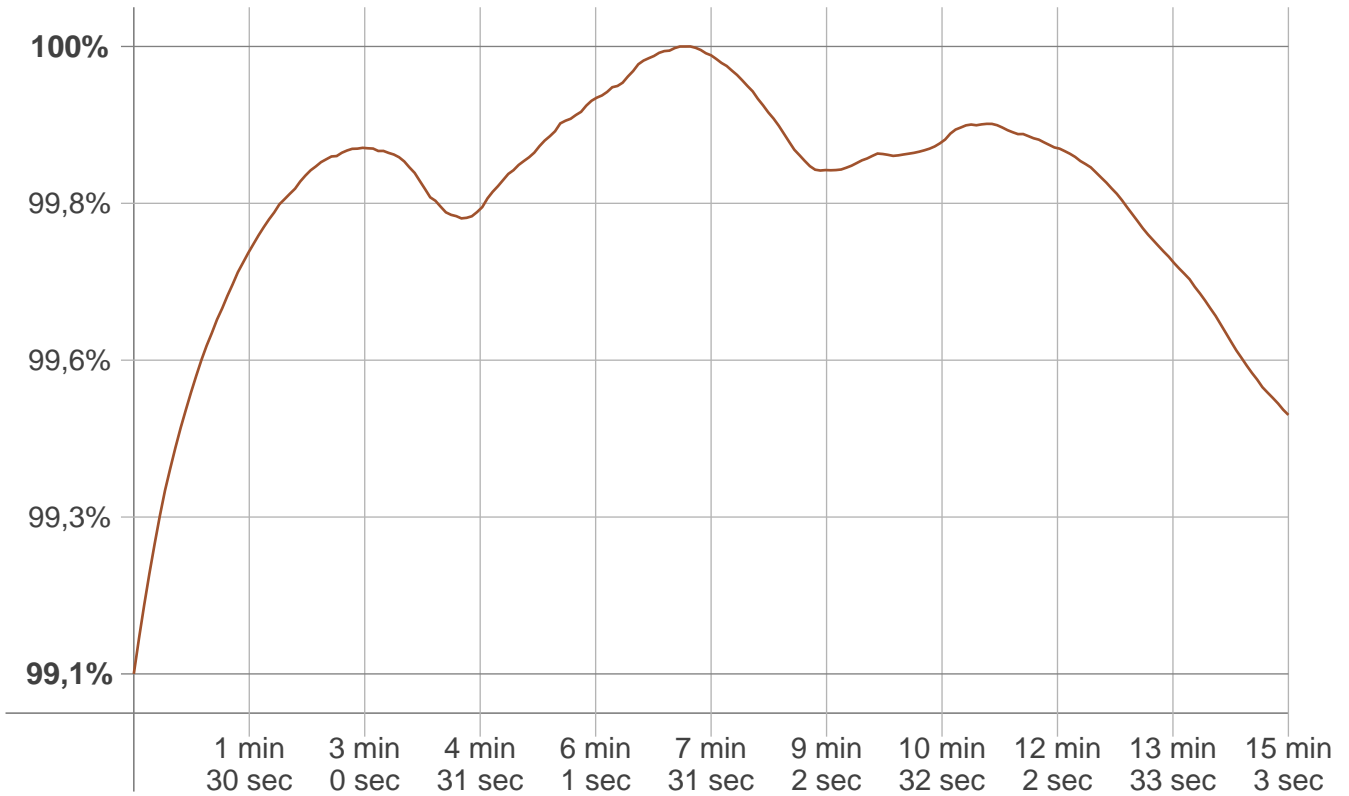


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
94,6 lm	188 lm	172 lm	157 lm	40,2 lm	6,29 lm	4,41 lm	2,11 lm	1,13 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,026 lm	0,026 lm	0,028 lm	0,034 lm	0,045 lm	0,060 lm	0,071 lm	0,048 lm	0,007 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 3 sec
Warmup variation	+0,9%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3071 K	+8 K	3079 K

Output change

Output start	Output change	Output end
663 lm	+3 lm	666 lm