



Dimensiones (mm)

Ancho: 180; **Alto:** 515.
Diámetro para poste: Ø56



Código

ILITIA-40W

Descripción

Luminaria diseñada para exterior, con módulos de LED. Compuesta por óptico opal y disipador en aluminio. Diseñada especialmente para postes de Ø2".



Materiales y acabado

Cuerpo y disipador en aluminio inyectado. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

Color

Negro.

Características técnicas

LED	 133°	 50,000h	IP 66	IK 08
PF 1	THD <10%	°C 44	V 100-277	

Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
40W	>80	5000	145	6520

Características de fuente de luz

- Color temperatura disponible 5000K (luz día).
- Potencia de Salida: 45W.

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



Light efficiency:



Light quality:



Color temperature:



Output: 6520 lm

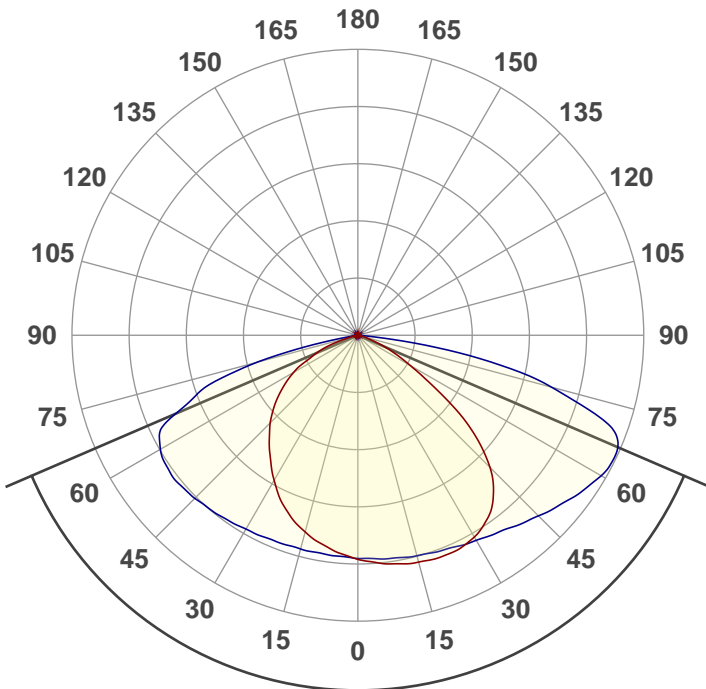
Peak: 2015 cd

Power: 45,0 W

PF: 1,0



Product name:
E0502-ILITIA-40W



Beam angle **133,4°**



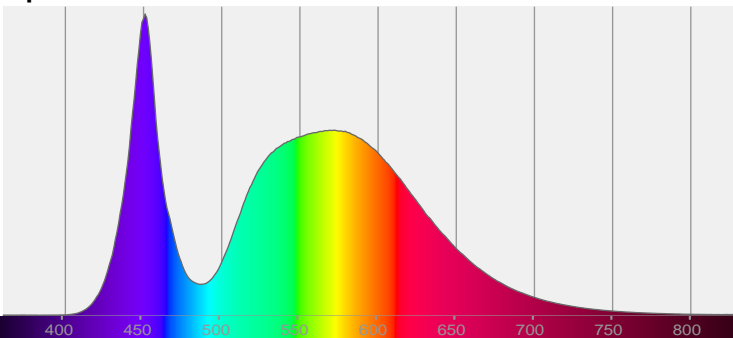
CIE 1931
x: 0,344
y: 0,355

THD Values:

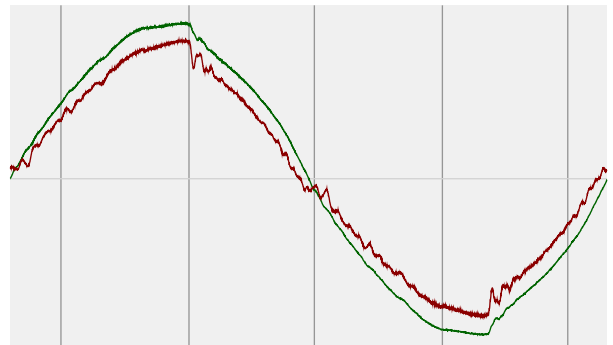
Voltage: 3,25%

Current: 6,94%

Spectra



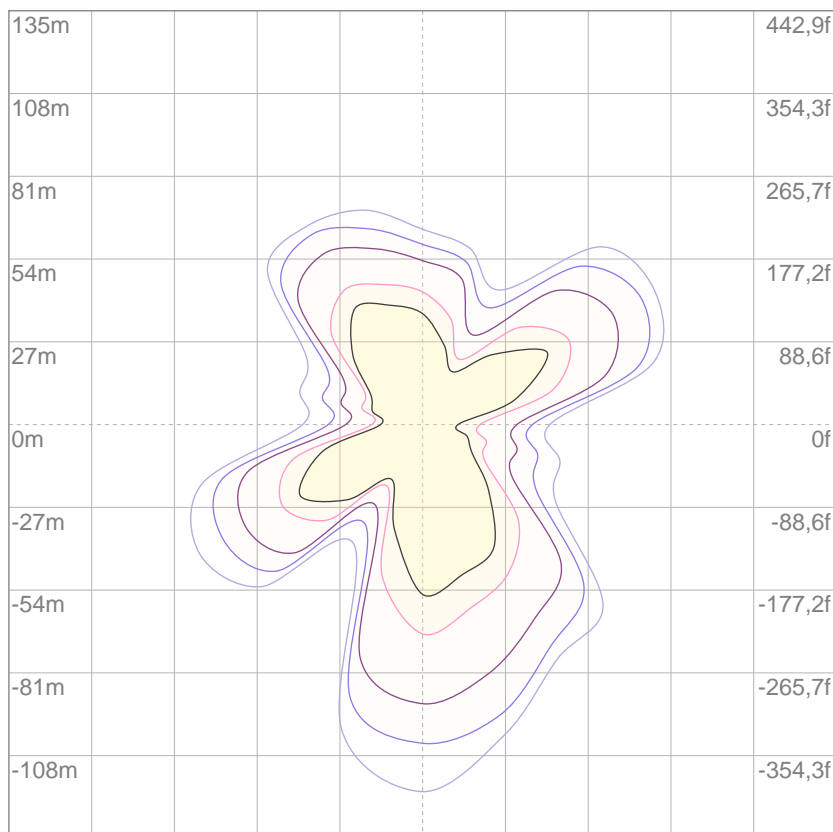
Power



Voltage: 114 V
Current: 0,397 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



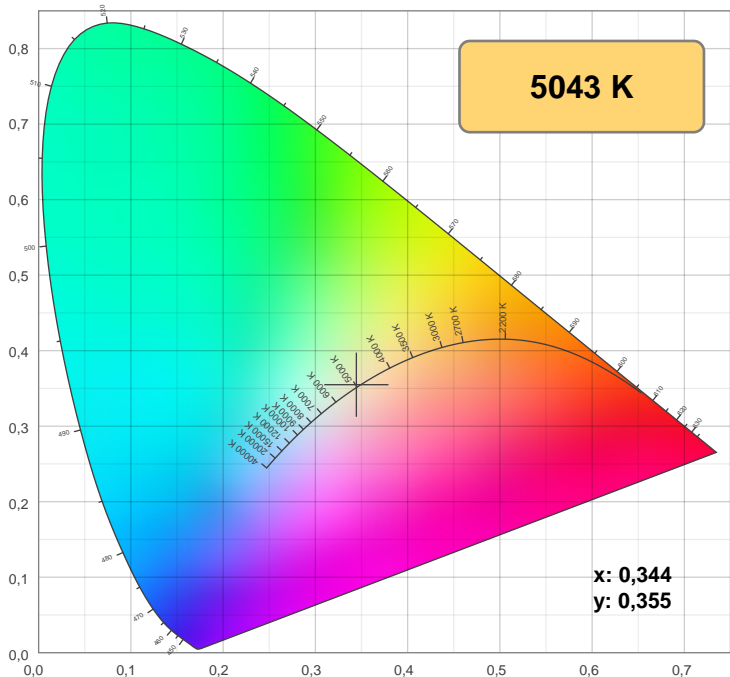
3%	0,466 lx
5%	0,777 lx
10%	1,55 lx
30%	4,66 lx
50%	7,77 lx

Conditions:
 Number of c-planes: 12
 Lux at center: 15,5 lx

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

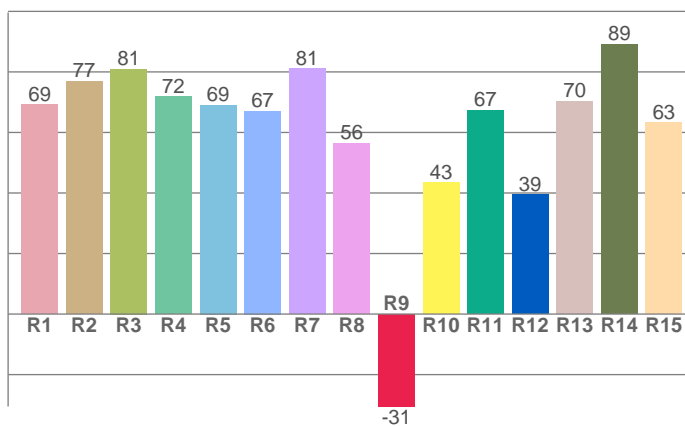
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 71,5 (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
69,1	76,9	81,0	71,8	69,1	67,1	81,0	56,4	-30,5	43,4	67,3	39,5	70,3	89,1	63,2

Color parameters

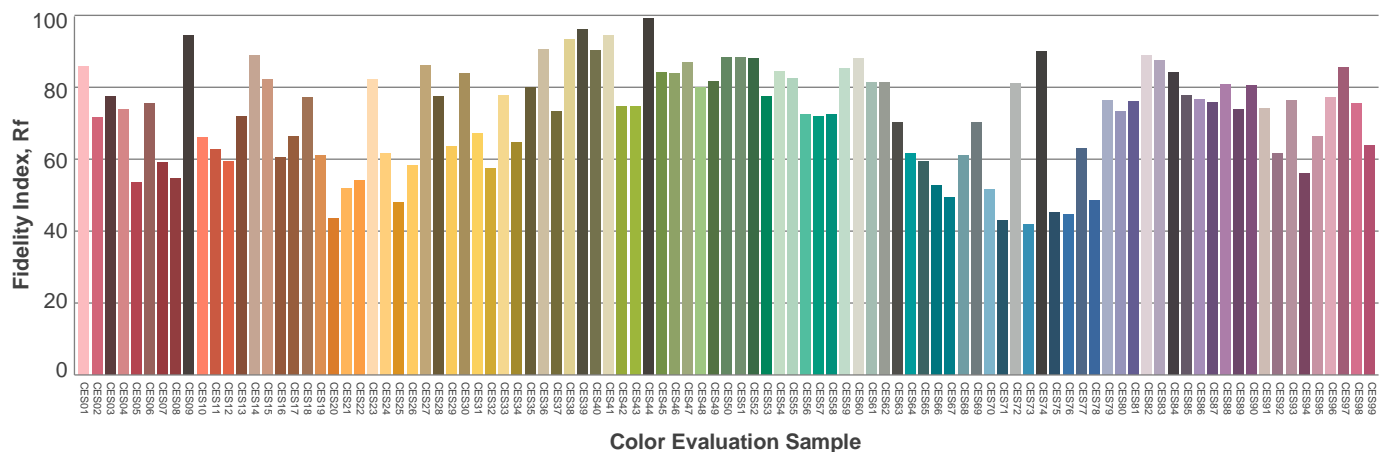
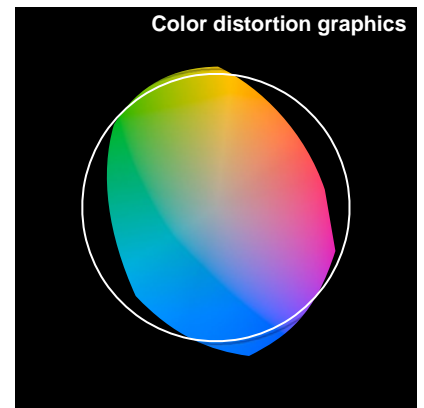
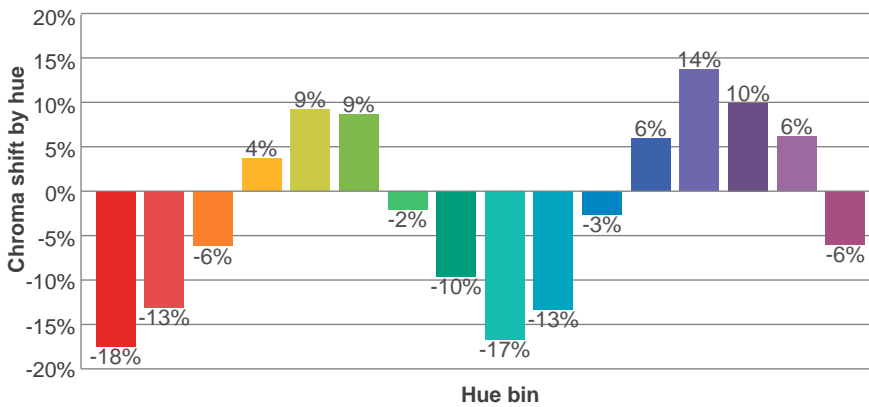
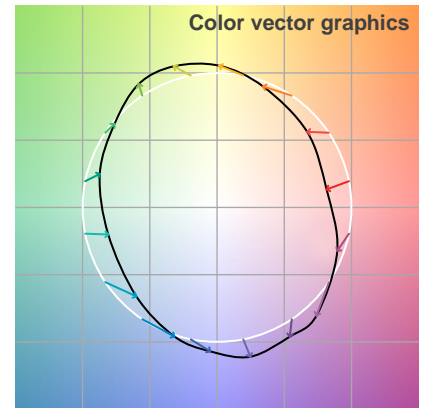
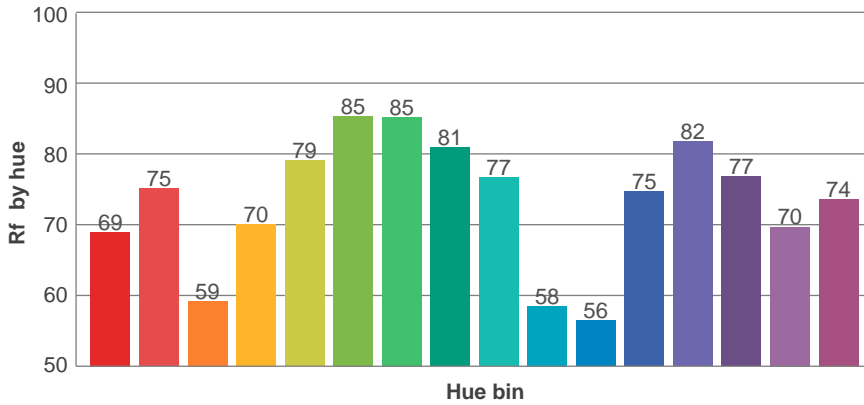
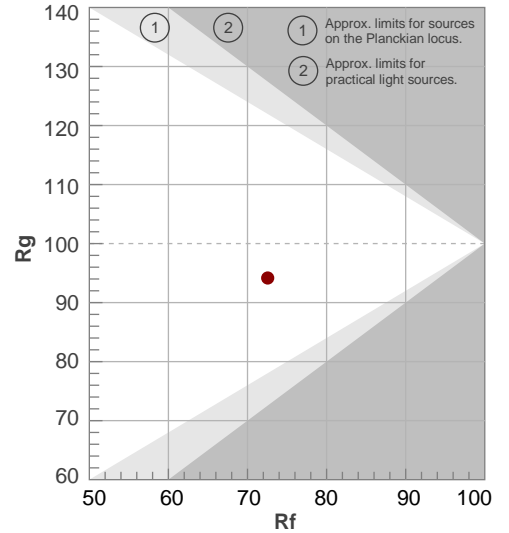
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5043 K	71,5	-30,5	72,6	94,2	69,0	0,344	0,355	0,210	0,324	0,0012

TM-30 details

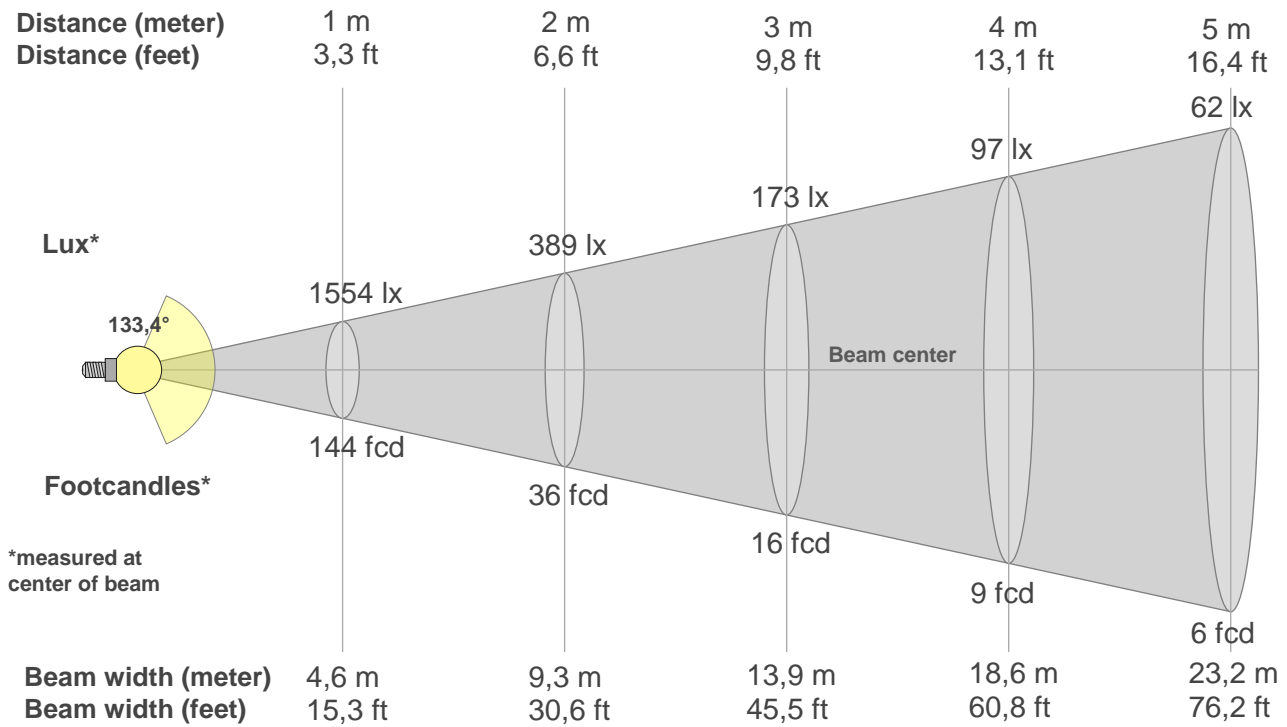
Rf 72,6
Fidelity index Rf

Rg 94,2
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	69	-18%	-3%
2	75	-13%	9%
3	59	-6%	22%
4	70	4%	19%
5	79	9%	11%
6	85	9%	-2%
7	85	-2%	-9%
8	81	-10%	-7%
9	77	-17%	4%
10	58	-13%	22%
11	56	-3%	27%
12	75	6%	16%
13	82	14%	3%
14	77	10%	-8%
15	70	6%	-26%
16	74	-6%	-14%



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	m	m
ft	ft	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	lx	lx
fcd	fcd	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°
1554	1589	1614	1634	1647	1646	1621	1565	1465	1299	1043	698	422	252	112	52	19	3	0	0
100%	102%	104%	105%	106%	106%	104%	101%	94%	84%	67%	45%	27%	16%	7%	3%	1%	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°
1554	1561	1572	1588	1604	1622	1647	1680	1727	1777	1835	1898	1955	1977	1876	1395	738	64	1	0
100%	100%	101%	102%	103%	104%	106%	108%	111%	114%	118%	122%	126%	127%	121%	90%	47%	4%	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°
1554	1520	1472	1416	1351	1268	1165	1059	959	862	755	638	515	353	222	68	20	4	0	0
100%	98%	95%	91%	87%	82%	75%	68%	62%	55%	49%	41%	33%	23%	14%	4%	1%	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°
1554	1543	1537	1539	1543	1548	1557	1572	1588	1604	1617	1614	1586	1494	1184	724	110	3	0	1
100%	99%	99%	99%	99%	100%	100%	101%	102%	103%	104%	104%	102%	96%	76%	47%	7%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
133,4°	152,6°	161,1°	72,4%	43,7%

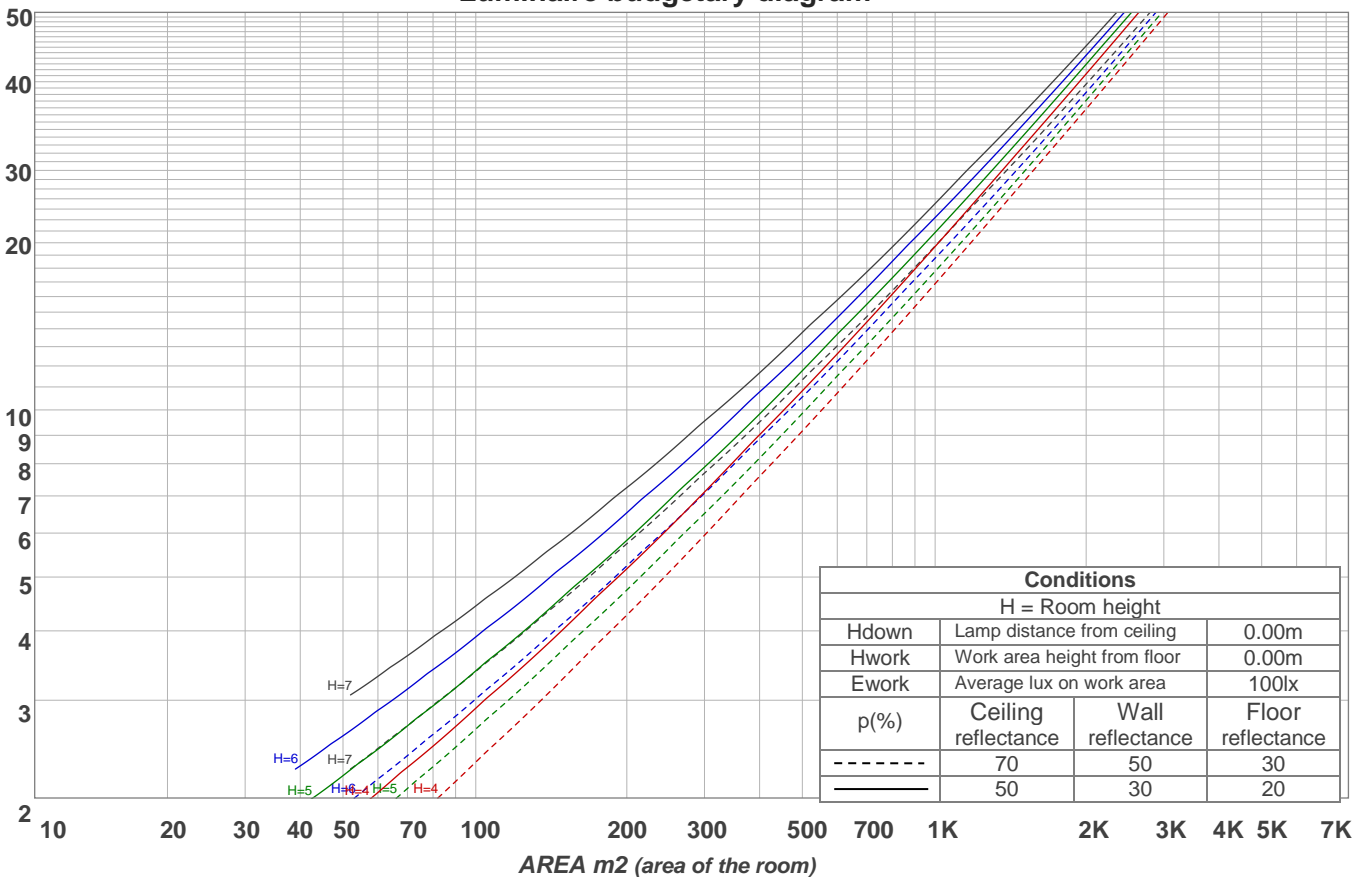
Light planning

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	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	108	103	98	94	105	101	96	93	96	93	90	92	89	87	89	86	84	82			
2	97	88	80	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	57	49	77	65	56	49	62	54	48	60	53	47	57	52	47	44			
5	72	58	49	41	70	57	48	41	55	47	41	53	46	40	51	45	40	37			
6	66	52	42	35	64	51	42	35	49	41	35	47	40	34	46	39	34	32			
7	61	47	37	31	59	46	37	31	44	36	30	43	35	30	41	35	30	28			
8	57	42	33	27	55	41	33	27	40	32	27	39	32	26	38	31	26	24			
9	53	38	30	24	51	38	29	24	37	29	24	36	29	23	34	28	23	21			
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	26	21	19			

LAMPS (number of lamps)

Luminaire budgetary diagram

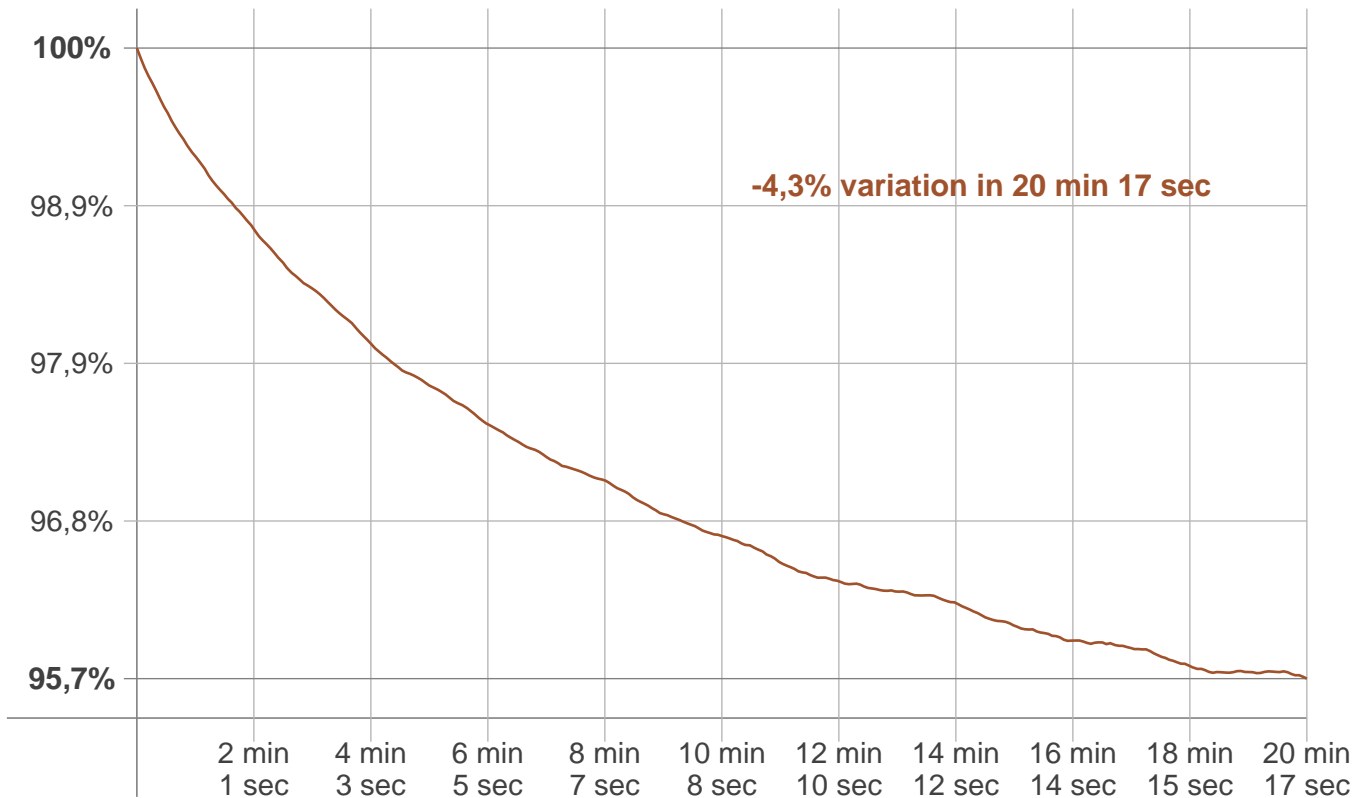


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
148 lm	440 lm	720 lm	973 lm	1178 lm	1262 lm	1127 lm	622 lm	47,2 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,357 lm	0,497 lm	0,515 lm	0,474 lm	0,409 lm	0,331 lm	0,241 lm	0,150 lm	0,050 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	20 min 17 sec
Warmup variation	-4,3%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5001 K	+42 K	5043 K

Output change

Output start	Output change	Output end
6794 lm	-274 lm	6520 lm