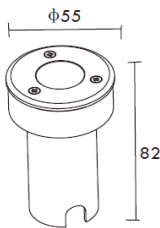


Luminaria para exterior



Dimensiones (mm)

Ancho: Ø55
Alto: 82.



Código

KT505

Descripción

Luminaria tipo bala de empotrar en piso o suelo, diseñada con un módulo de LED.




Materiales y acabado

Cuerpo en plástico inyectado negro y marco en acero inoxidable.

Color

Acero inoxidable.

Características técnicas

LED	 17°	 30,000h	IP 65	IK 08
PF 0,63	THD <100%	°C 0-55	V 120	

Fuente de luz

Módulo de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
3,8W	>70	5000	43	161

Características de fuente de luz

- Color temperatura disponible 5000K (luz fría).

Light efficiency:



Light quality:



Color temperature:



Output: 161 lm

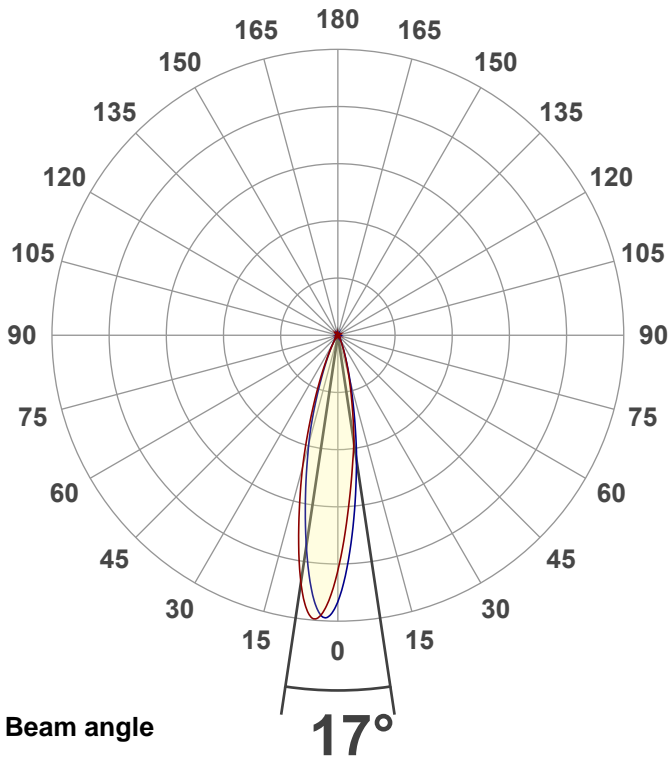
Peak: 829 cd

Power: 3,8 W

PF: 0,63



Product name:
E0387-KT505



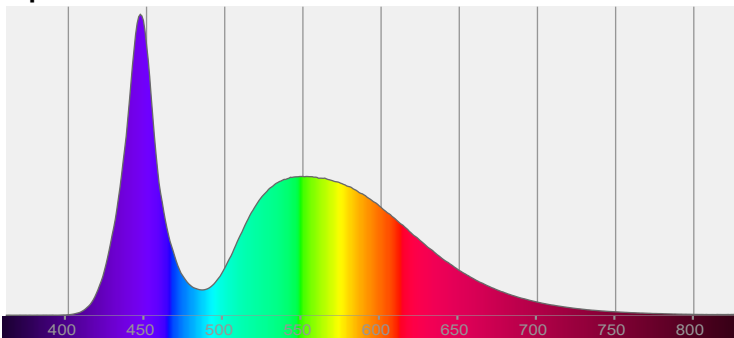
CIE 1931
x: 0,345
y: 0,352

THD Values:

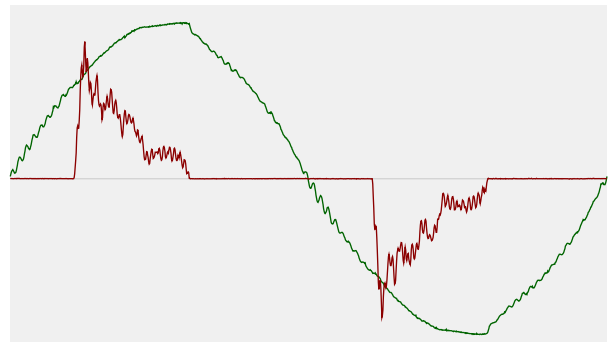
Voltage: 2,46%

Current: 94,51%

Spectra



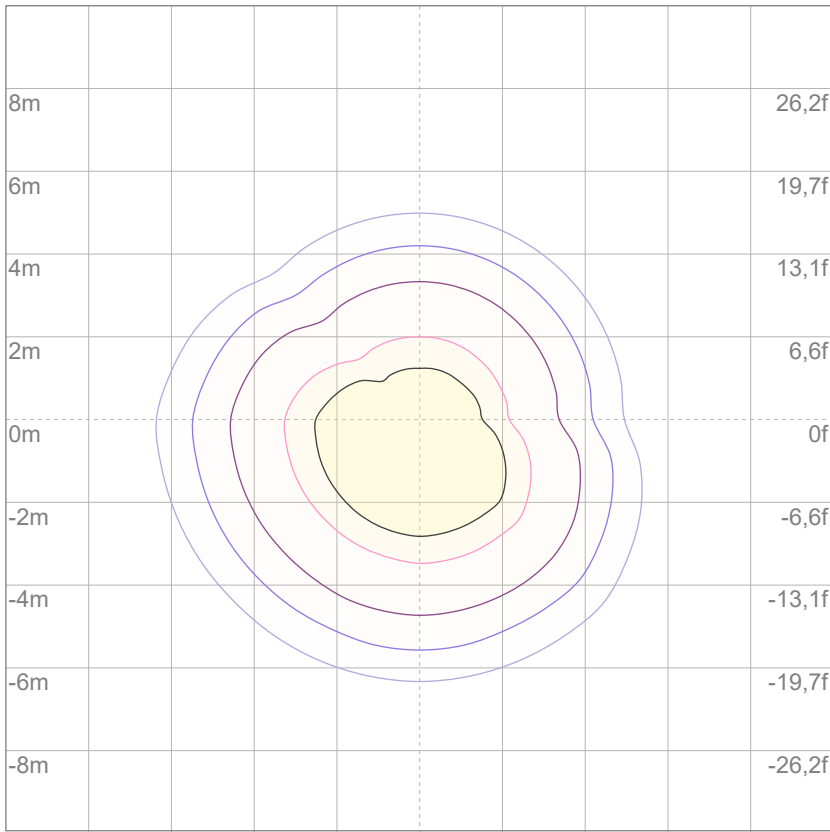
Power



Voltage: 115 V
Current: 0,052 A
Frequency: 59,9 Hz

ISO Diagrams

ISO lux diagram



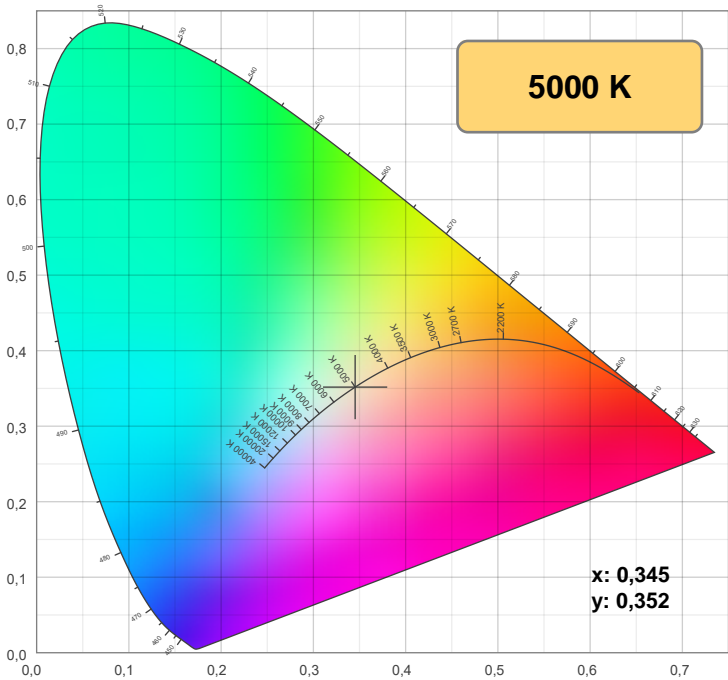
3%	0,214 lx
5%	0,356 lx
10%	0,712 lx
30%	2,14 lx
50%	3,56 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 7,12 lx

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

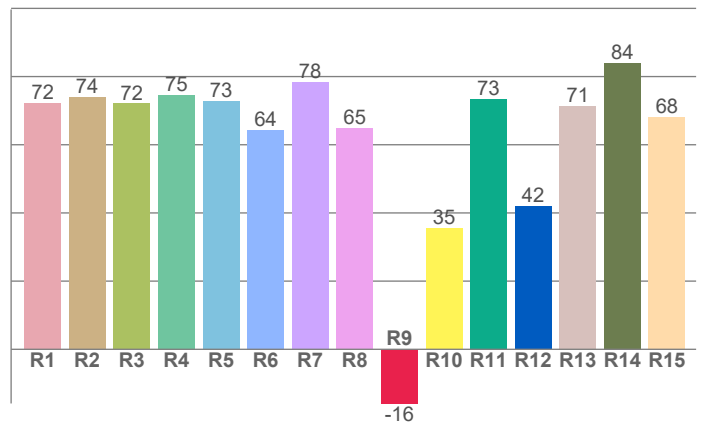
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 71,7 (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
72,3	73,9	72,1	74,5	72,9	64,4	78,4	64,8	-15,9	35,5	73,3	41,9	71,4	84,0	68,2

Color parameters

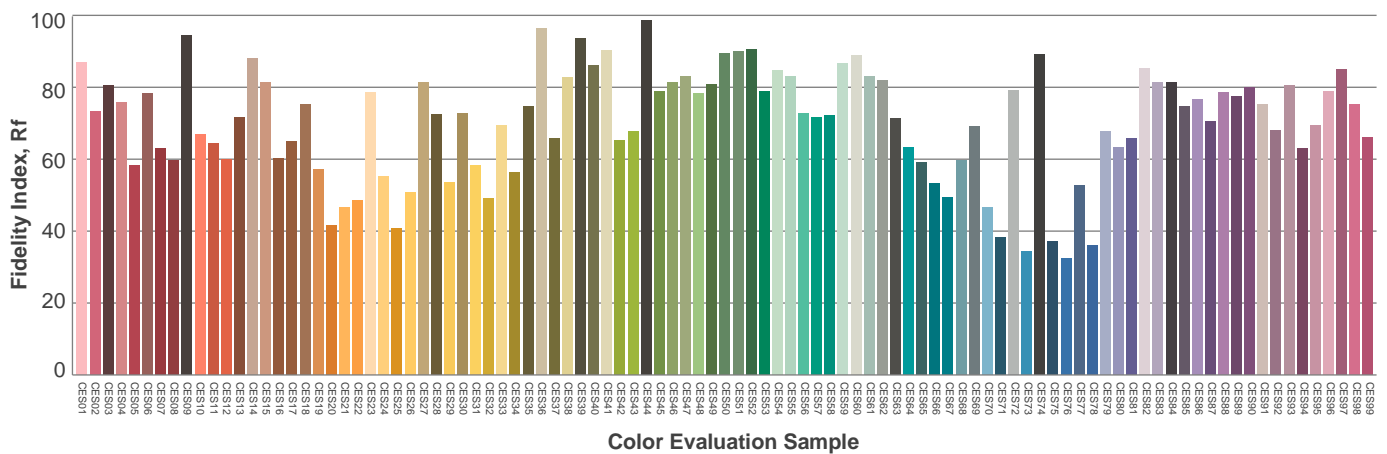
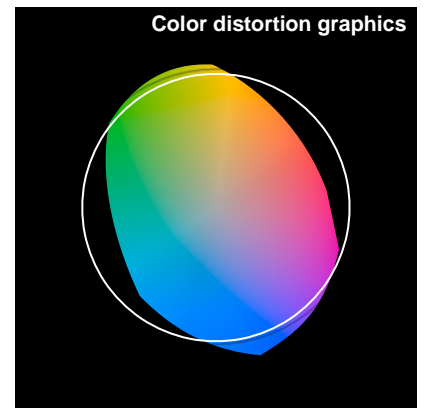
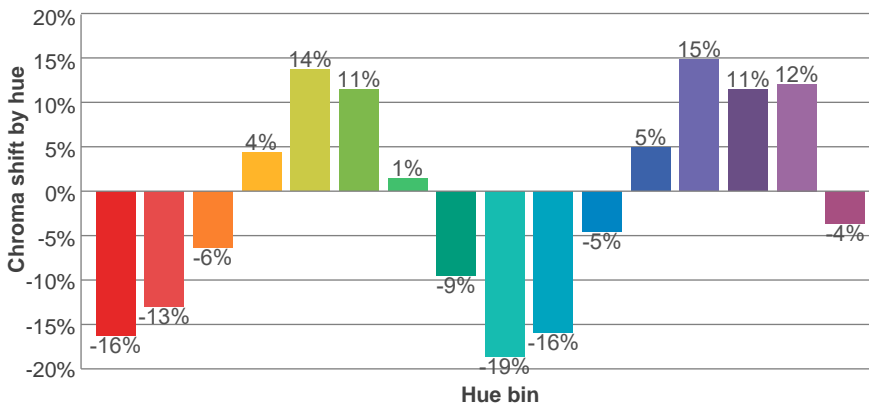
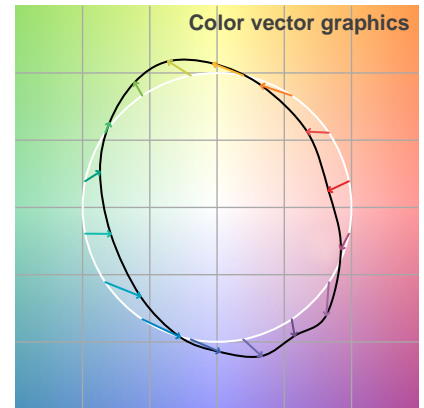
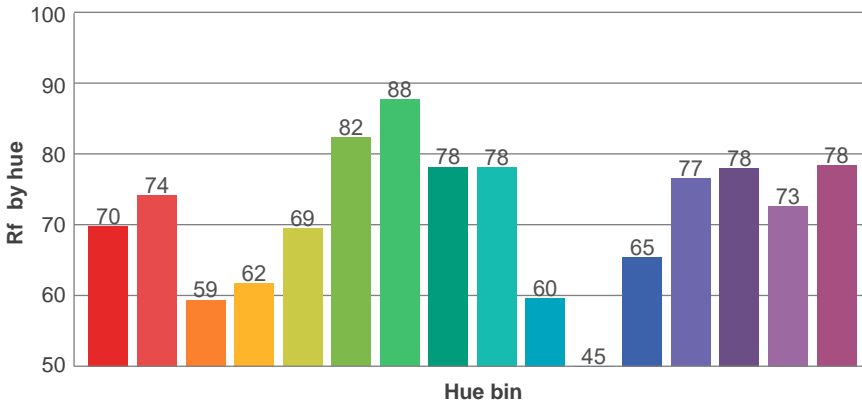
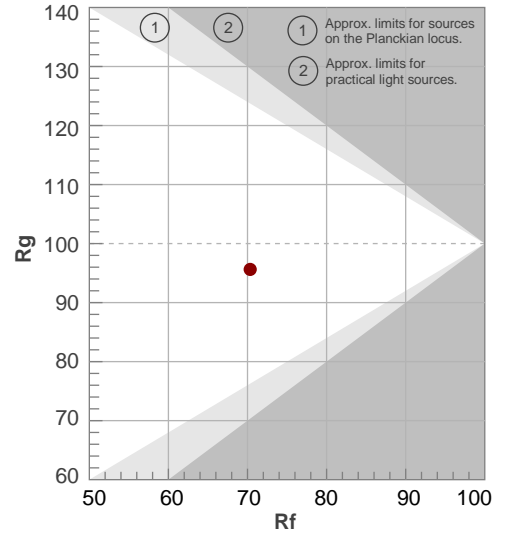
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5000 K	71,7	-15,9	70,3	95,6	68,8	0,345	0,352	0,211	0,323	-0,0048

TM-30 details

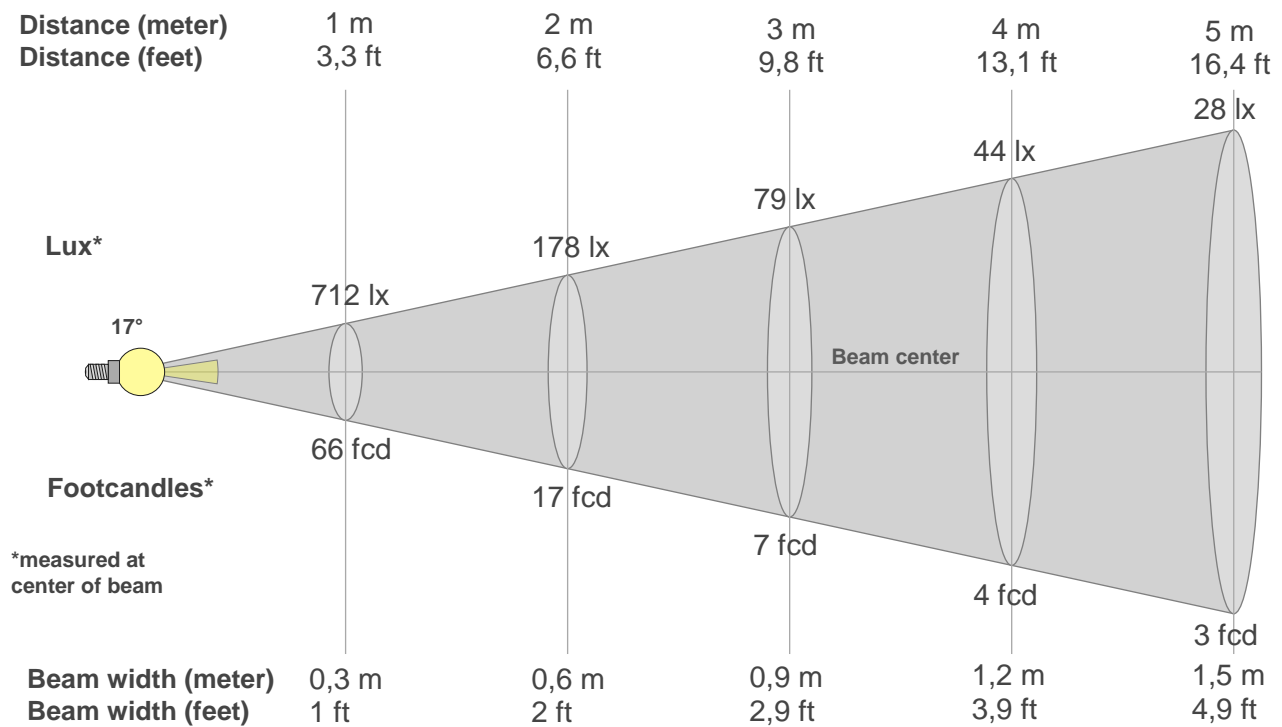
Rf 70,3
Fidelity index Rf

Rg 95,6
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	70	-16%	-4%
2	74	-13%	10%
3	59	-6%	23%
4	62	4%	23%
5	69	14%	14%
6	82	11%	-1%
7	88	1%	-8%
8	78	-9%	-9%
9	78	-19%	4%
10	60	-16%	23%
11	45	-5%	31%
12	65	5%	23%
13	77	15%	11%
14	78	11%	-5%
15	73	12%	-21%
16	78	-4%	-12%



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°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
712	575	476	393	326	258	193	143	106	77	56	41	30	23	18	14	11	9	7	6
100%	81%	67%	55%	46%	36%	27%	20%	15%	11%	8%	6%	4%	3%	3%	2%	2%	1%	1%	1%

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°
712	682	581	478	385	299	222	160	114	81	57	41	30	22	17	14	11	9	7	6
100%	96%	82%	67%	54%	42%	31%	23%	16%	11%	8%	6%	4%	3%	2%	2%	2%	1%	1%	1%

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°
712	765	815	806	742	646	539	439	344	257	187	133	92	63	43	31	23	17	13	11
100%	108%	114%	113%	104%	91%	76%	62%	48%	36%	26%	19%	13%	9%	6%	4%	3%	2%	2%	1%

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°
712	811	797	733	639	539	445	360	288	216	156	112	79	57	41	30	23	18	14	11
100%	114%	112%	103%	90%	76%	62%	51%	40%	30%	22%	16%	11%	8%	6%	4%	3%	2%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	42°	59,5°	98,9%	96,3%

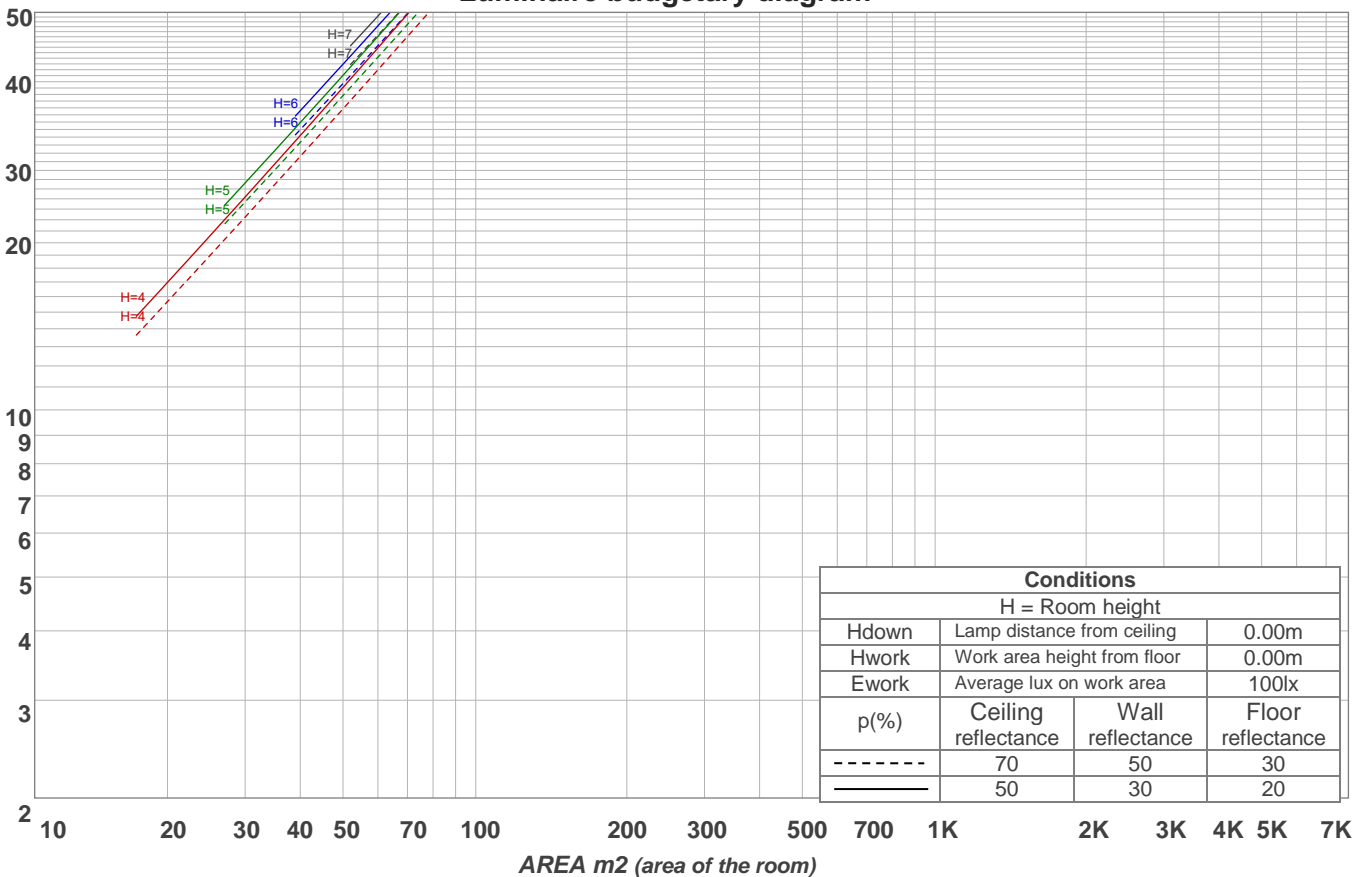
Light planning

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	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96			
2	111	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92			
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88			
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85			
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	79	76	82	78	76	81	78	75	74			
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72			
10	86	79	75	72	85	79	74	72	78	74	72	77	74	71	77	73	71	70			

LAMPS (number of lamps)

Luminaire budgetary diagram

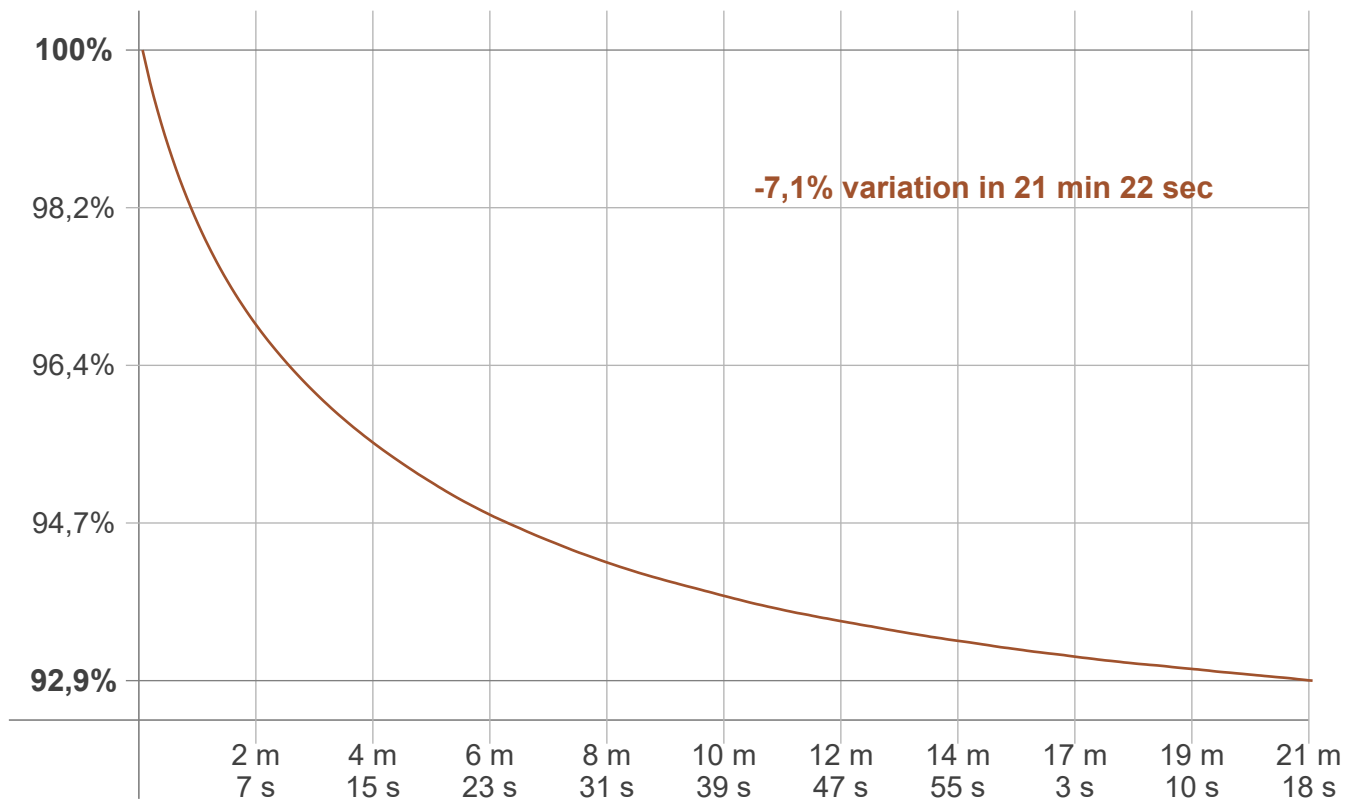


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
54,2 lm	67,1 lm	24,1 lm	7,59 lm	3,74 lm	2,54 lm	1,16 lm	0,413 lm	0,097 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,018 lm	0,014 lm	0,013 lm	0,013 lm	0,012 lm	0,013 lm	0,017 lm	0,011 lm	0,002 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	Lamp stabilized in 21 min 22 sec
Warmup variation	-7,3%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
5008 K	-8 K	5000 K

Output change

Output start	Output change	Output end
173 lm	-12 lm	161 lm