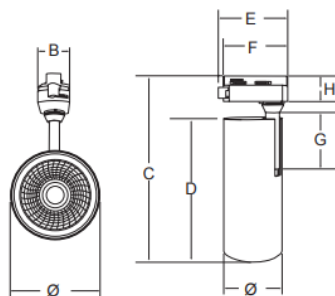


Luminaria para interior



Dimensiones (mm)

Ø: 66, B: 35, C: 210, D: 160
E: 83, F: 75, G: 70, H: 29.



Código

HKTA8611-20W-4K

Descripción

Luminaria tipo reflector, diseñada con COB de LED integrado. Compuesta en la parte interna por un difusor en policarbonato transparente.



Materiales y acabado

Cuerpo en aluminio inyectado con acabado en pintura poliéster electrostática texturizada.

Color

Negro / Blanco.

Características técnicas

LED	 25°	 30,000h	IP 20
PF 0,58	°C 20-55	V 100-240	

Fuente de luz

COB de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
------------------	-----	---	--------	--------------

20W	>80	4000	90	1716
-----	-----	------	----	------

Características de fuente de luz

- Color temperatura disponible 4000K (neutro).
- Potencia de Salida: 19,1 W.

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



Light efficiency:

90 Lumen/Watt

Light quality:

CRI: 91,6

Color temperature:

4172 K

Output: 1716 lm

Peak: 6553 cd

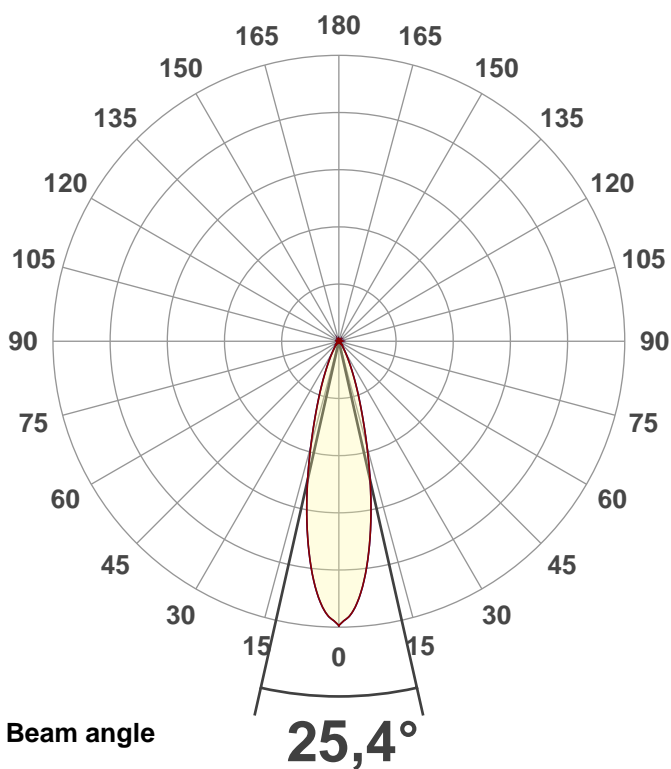
Power: 19,1 W

PF: 0,58



Product name:

E0818-HKTA8611-20W-4K



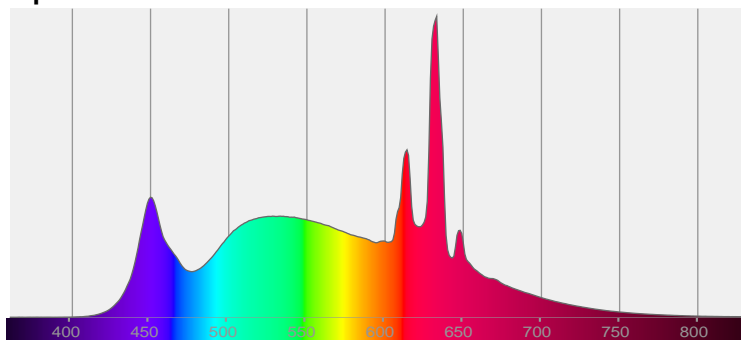
THD Values:

Voltage: 3,06%

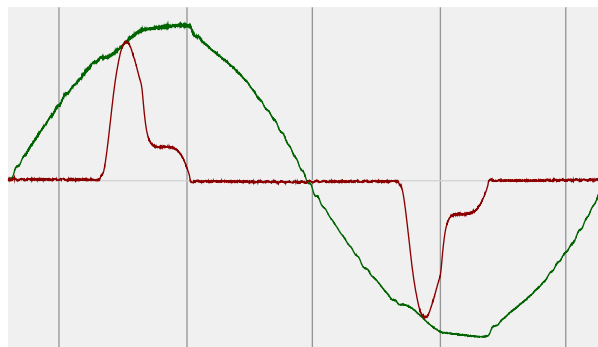
Current: 125,35%



Spectra



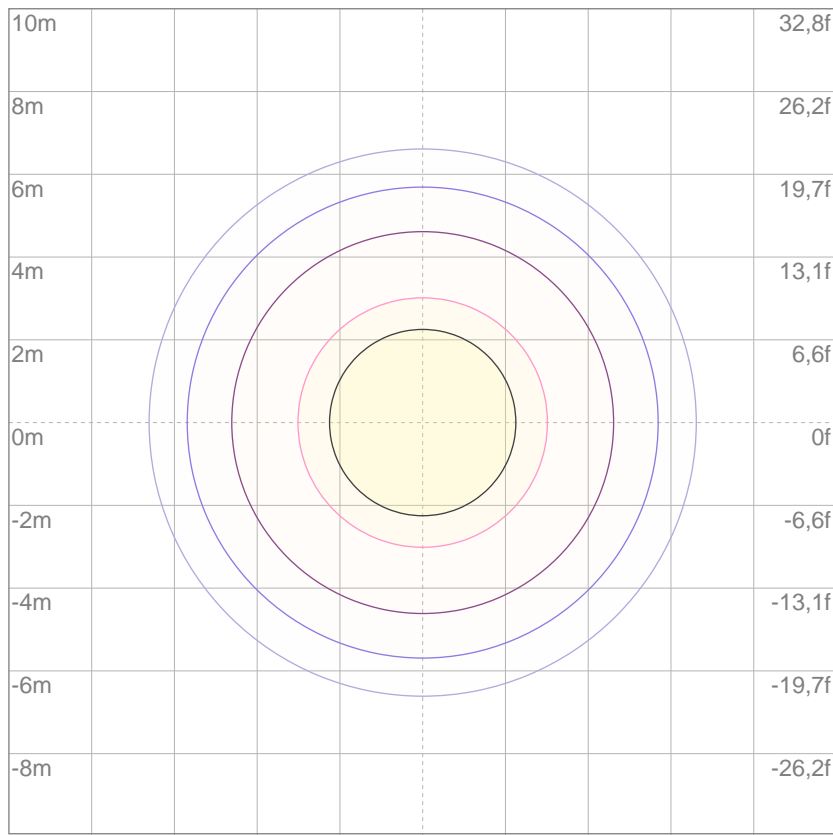
Power



Voltage: 117 V
Current: 0,280 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



3%	1,97 lx
5%	3,28 lx
10%	6,55 lx
30%	19,7 lx
50%	32,8 lx

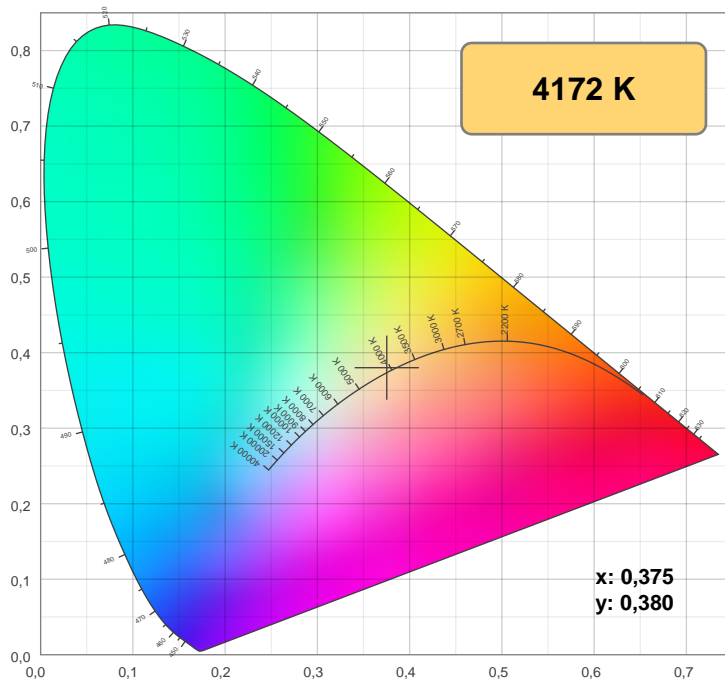
Conditions:

Number of c-planes: 8

Lux at center: 65,5 lx

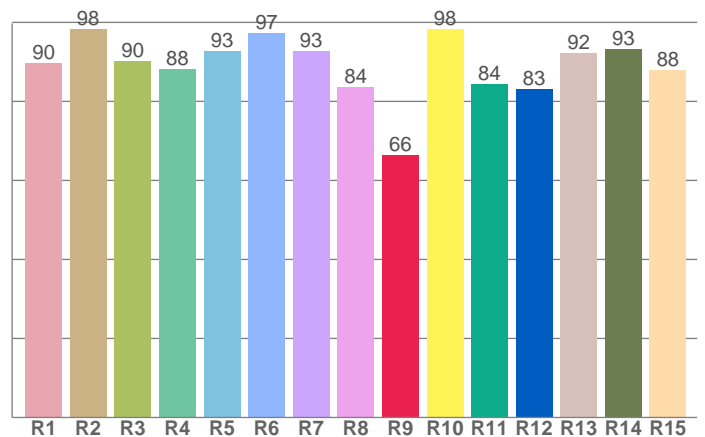
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Color details



CIE 1931

CRI: 91,6 (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
89,8	98,3	90,1	88,3	92,7	97,2	92,7	83,6	66,3	98,3	84,5	83,1	92,2	93,2	88,0

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
4172 K	91,6	66,3	92,7	103,5	93,8	0,375	0,380	0,220	0,335	0,0031

TM-30 details

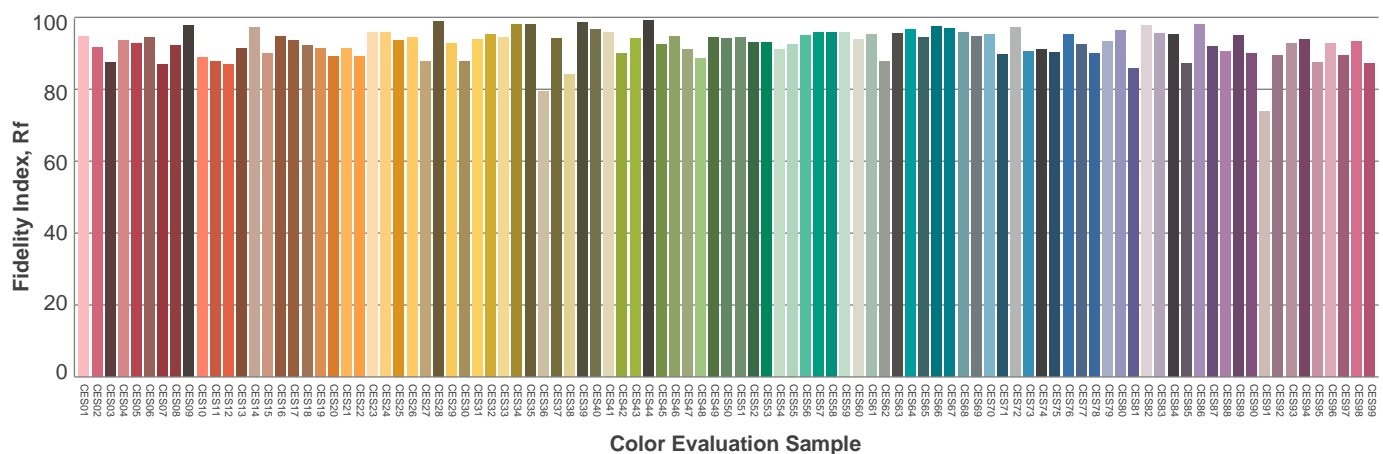
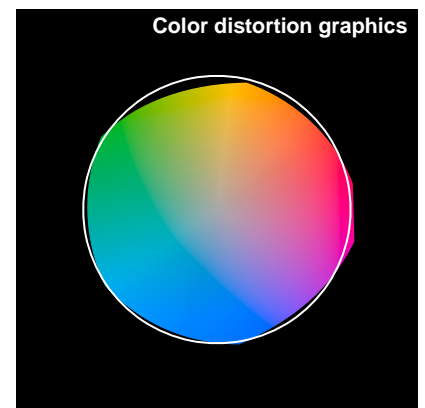
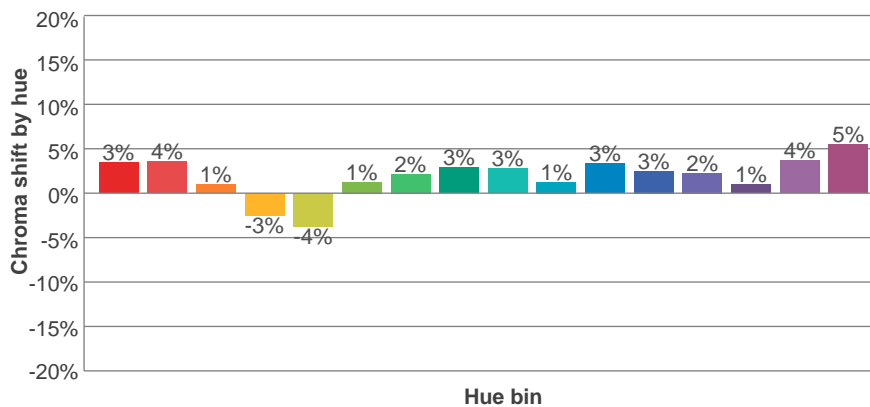
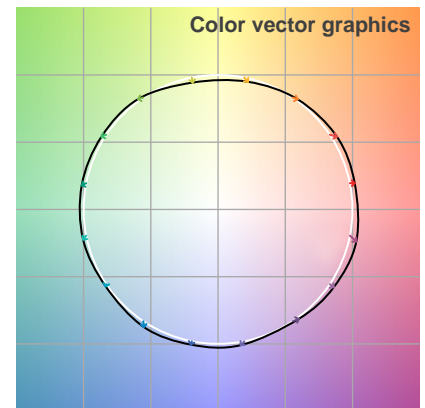
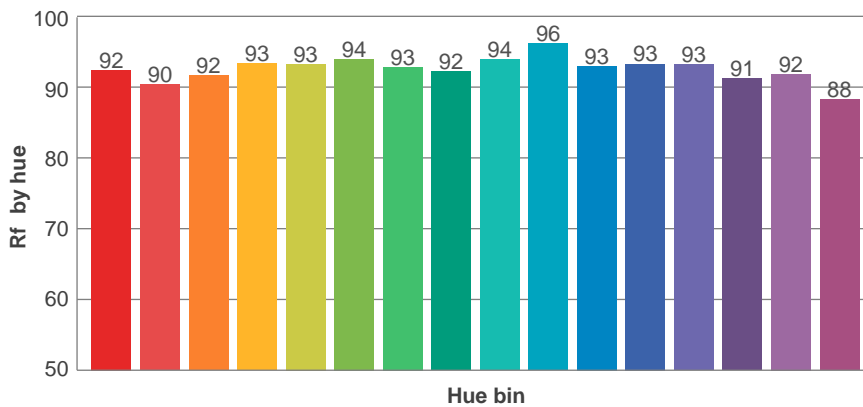
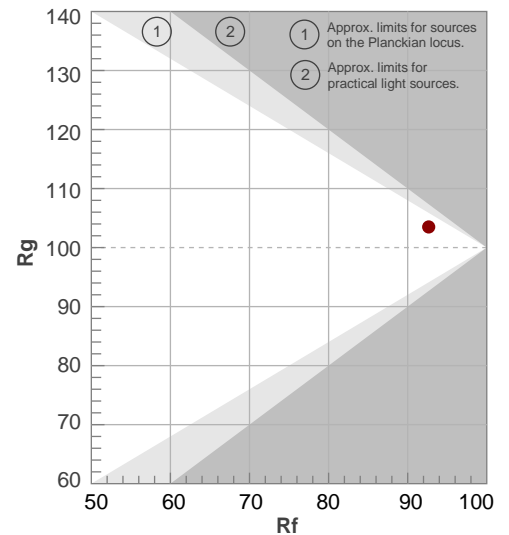
Rf 92,7

Fidelity index Rf

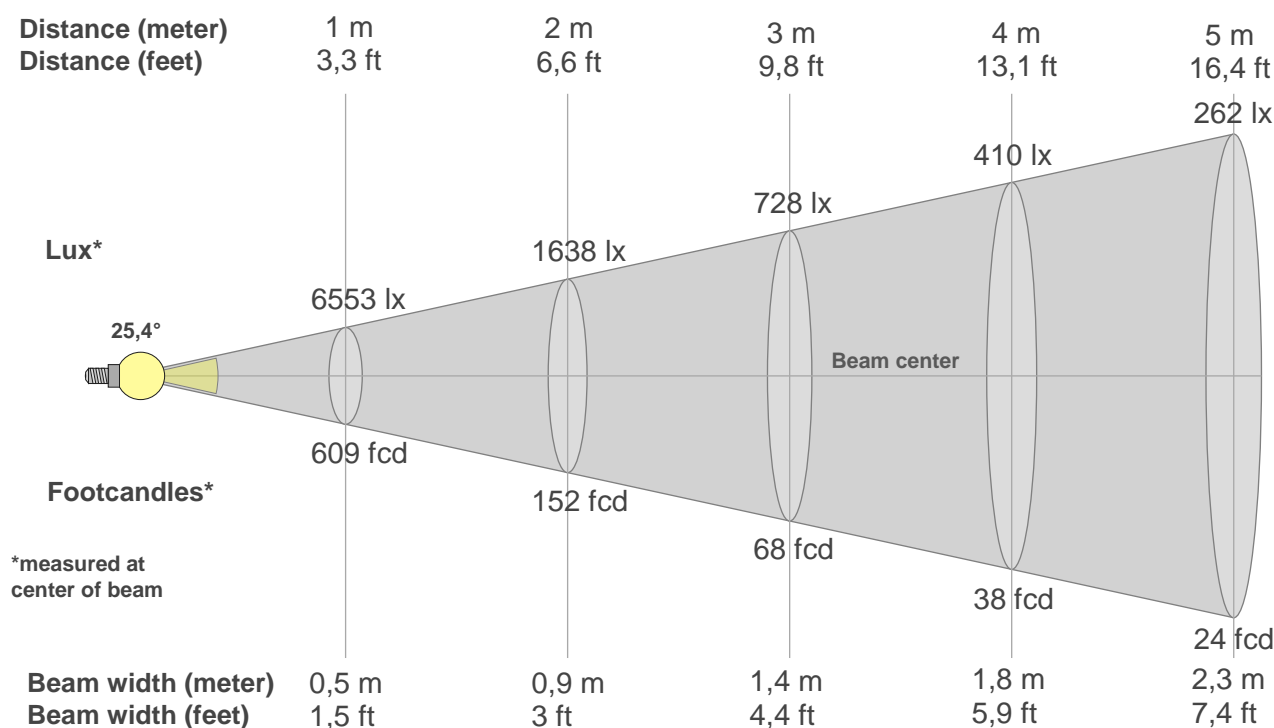
Rg 103,5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	3%	-1%
2	90	4%	-4%
3	92	1%	-4%
4	93	-3%	-3%
5	93	-4%	0%
6	94	1%	4%
7	93	2%	3%
8	92	3%	2%
9	94	3%	2%
10	96	1%	1%
11	93	3%	3%
12	93	3%	0%
13	93	2%	-3%
14	91	1%	5%
15	92	4%	0%
16	88	5%	-3%



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
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
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°
6553	6365	6044	5549	4929	4239	3522	2824	2198	1693	1302	989	743	557	420	315	239	186	147	118
100%	97%	92%	85%	75%	65%	54%	43%	34%	26%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

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°
6553	6365	6044	5549	4929	4239	3522	2824	2198	1693	1302	989	743	557	420	315	239	186	147	118
100%	97%	92%	85%	75%	65%	54%	43%	34%	26%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

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°
6553	6365	6044	5549	4929	4239	3522	2824	2198	1693	1302	989	743	557	420	315	239	186	147	118
100%	97%	92%	85%	75%	65%	54%	43%	34%	26%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

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°
6553	6365	6044	5549	4929	4239	3522	2824	2198	1693	1302	989	743	557	420	315	239	186	147	118
100%	97%	92%	85%	75%	65%	54%	43%	34%	26%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,4°	49,8°	70,1°	98,3%	95,6%

UGR

Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	16,3	16,7	16,3	16,9	17,1	16,3	16,7	16,3	16,9	17,1
	3H	16,6	17,3	17,0	17,5	17,6	16,6	17,3	17,0	17,5	17,6
	4H	16,8	17,5	17,2	17,7	17,9	16,8	17,5	17,2	17,7	17,9
	6H	17,1	17,6	17,4	17,9	18,2	17,1	17,6	17,4	17,9	18,2
	8H	17,1	17,6	17,4	17,9	18,3	17,1	17,6	17,4	17,9	18,3
	12H	17,1	17,6	17,4	17,9	18,3	17,1	17,6	17,4	17,9	18,3
4H	2H	16,3	16,9	16,7	17,1	17,3	16,3	16,9	16,7	17,1	17,3
	3H	17,0	17,5	17,4	17,9	18,3	17,0	17,5	17,4	17,9	18,3
	4H	17,3	17,7	17,7	18,1	18,6	17,3	17,7	17,7	18,1	18,6
	6H	17,5	18,0	18,0	18,3	18,7	17,5	18,0	18,0	18,3	18,7
	8H	17,5	18,0	18,1	18,3	18,7	17,5	18,0	18,1	18,3	18,7
	12H	17,6	17,9	18,1	18,3	18,8	17,6	17,9	18,1	18,3	18,8
8H	4H	17,3	17,8	17,8	18,1	18,5	17,3	17,8	17,8	18,1	18,5
	6H	17,7	18,0	18,2	18,4	18,9	17,7	18,0	18,2	18,4	18,9
	8H	17,8	18,0	18,3	18,6	19,2	17,8	18,0	18,3	18,6	19,2
	12H	17,9	18,1	18,5	18,6	19,2	17,9	18,1	18,5	18,6	19,2
12H	4H	17,3	17,6	17,8	18,1	18,5	17,3	17,6	17,8	18,1	18,5
	6H	17,7	17,9	18,2	18,5	19,1	17,7	17,9	18,2	18,5	19,1
	8H	17,8	18,0	18,4	18,5	19,1	17,8	18,0	18,4	18,5	19,1
Variation of the observer position for the luminaire distance S											
S = 1.0H		1,8 / -1,1					1,8 / -1,1				
S = 1.5H		3,5 / -1,5					3,5 / -1,5				
S = 2.0H		5,0 / -1,9					5,0 / -1,9				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1716 lm total luminous flux											

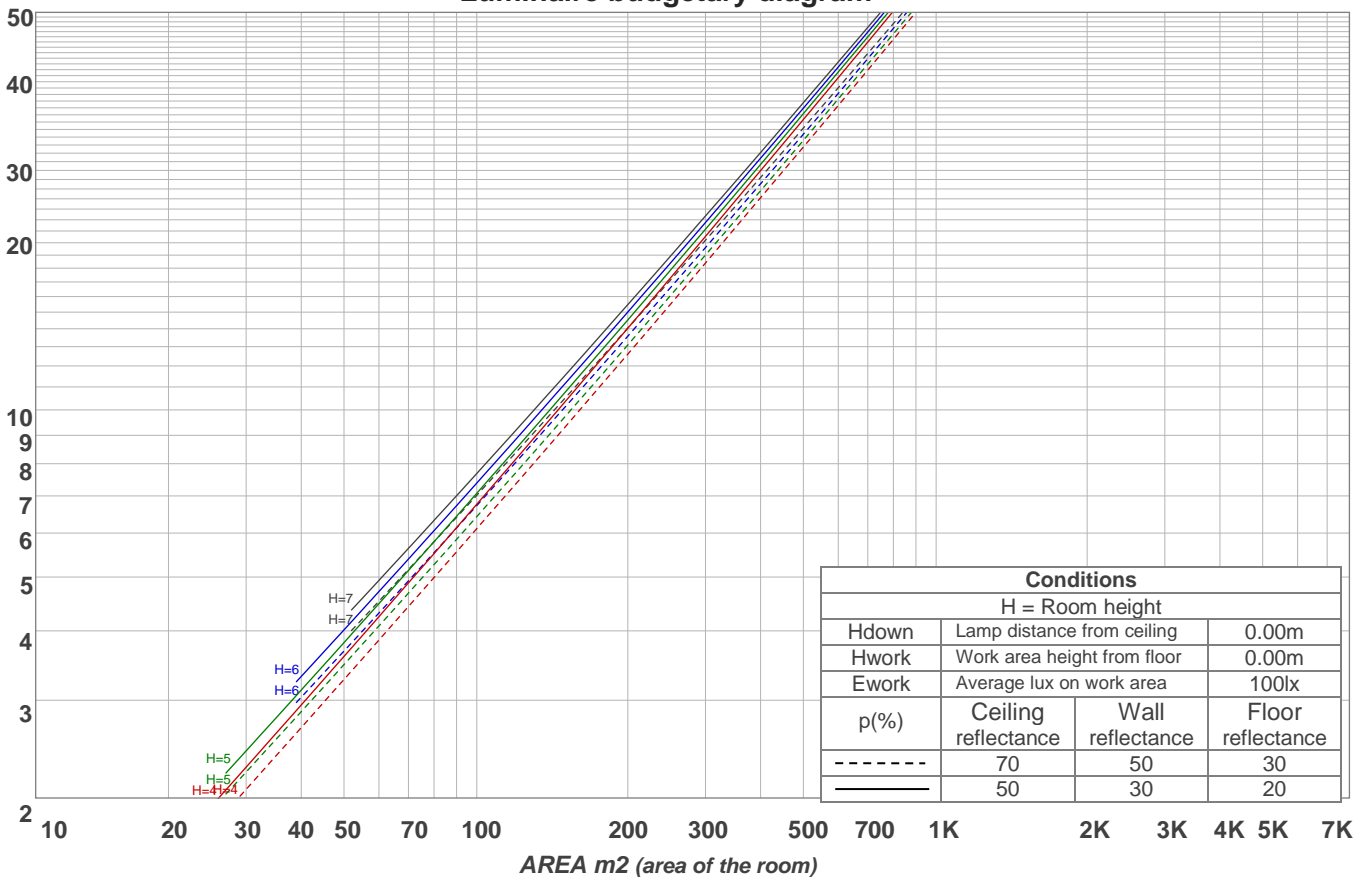
Light planning

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	86	84	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67

LAMPS (number of lamps)

Luminaire budgetary diagram

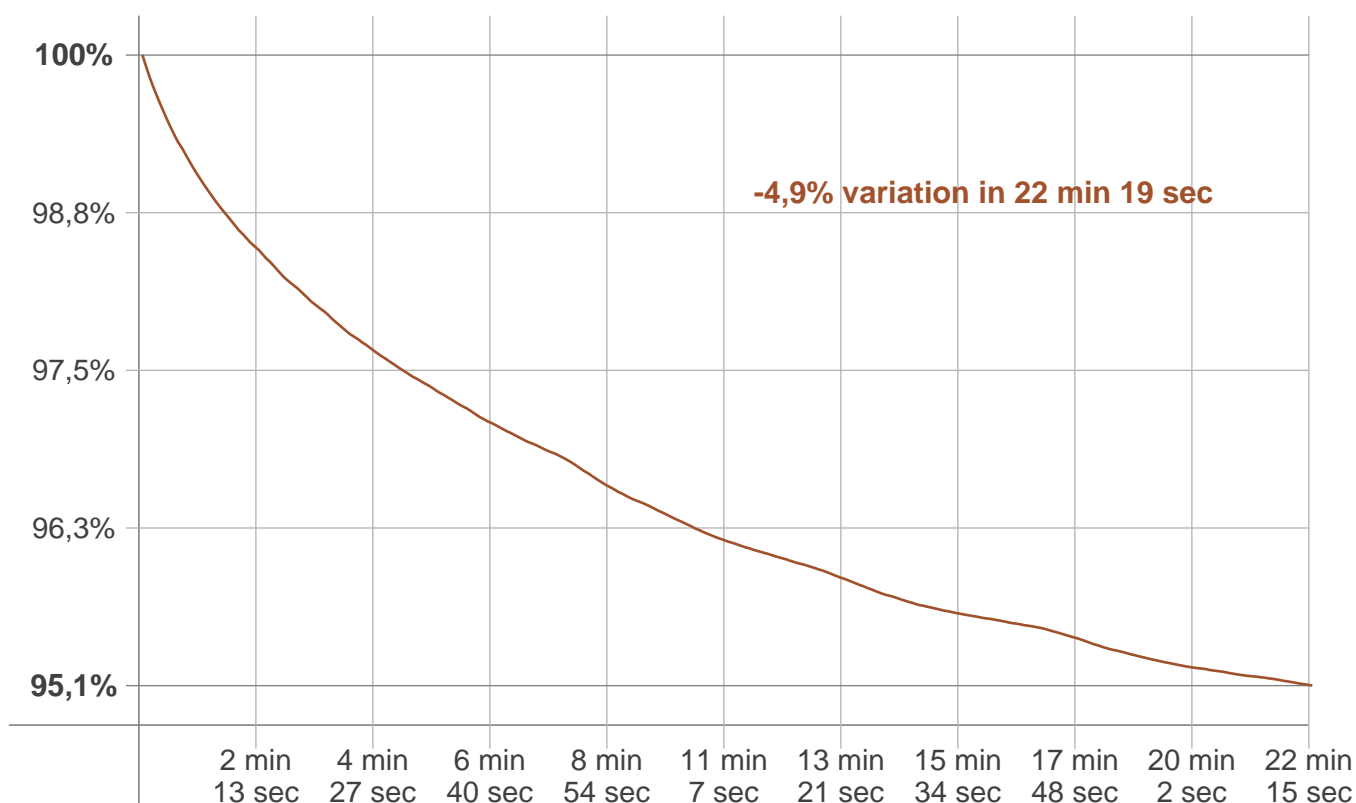


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
503 lm	690 lm	310 lm	109 lm	49,2 lm	26,3 lm	16,4 lm	8,35 lm	2,23 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,227 lm	0,182 lm	0,171 lm	0,160 lm	0,174 lm	0,220 lm	0,268 lm	0,182 lm	0,031 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	22 min 19 sec
Warmup variation	-5,0%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4209 K	-37 K	4172 K

Output change

Output start	Output change	Output end
1801 lm	-85 lm	1716 lm