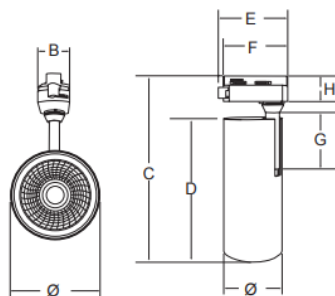


## Luminaria para interior



### Dimensiones (mm)

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



### Código

**HKTA8611-20W-3K**

### 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	24°	30,000h	IP 20
PF 0,59	°C 20-55	V 100-240	

### Fuente de luz

COB de LED.

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

20W	>80	3000	86	1623
-----	-----	------	----	------

### Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 18,9 W.

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



Light efficiency:

86 Lumen/Watt

Light quality:

CRI: 90,8

Color temperature:

2970 K

Output: 1623 lm

Peak: 6883 cd

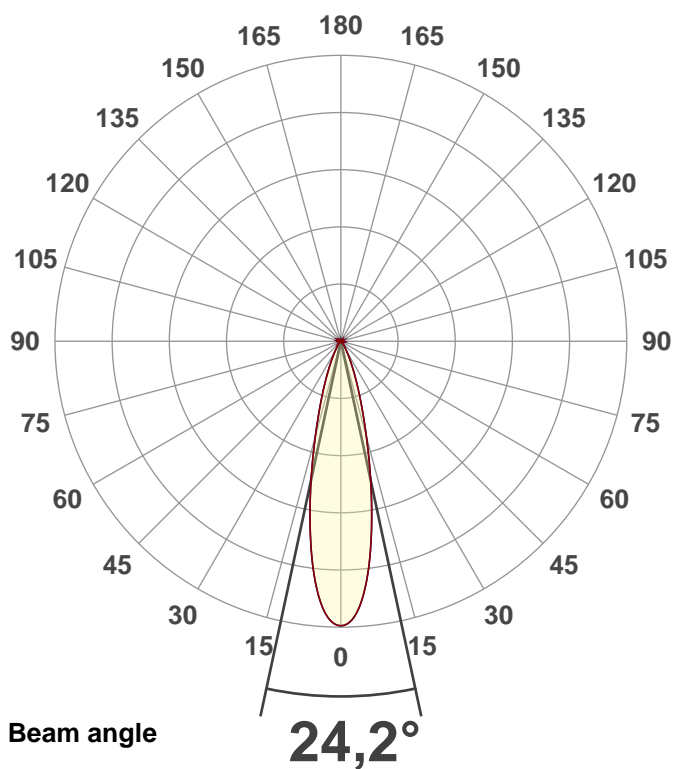
Power: 18,9 W

PF: 0,59



Product name:

E0817-HKTA8611-20W-3K



THD Values:

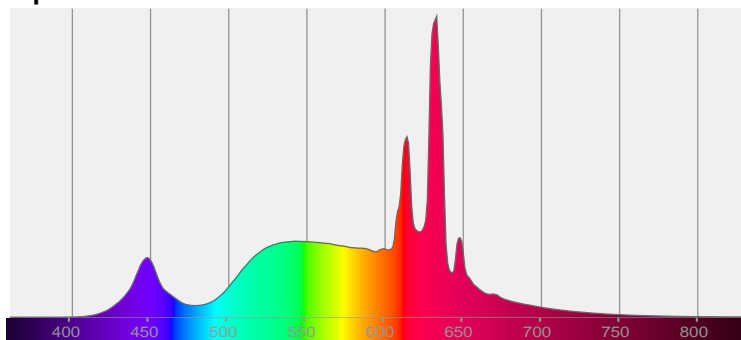
Voltage: 3,16%

Current: 124,02%

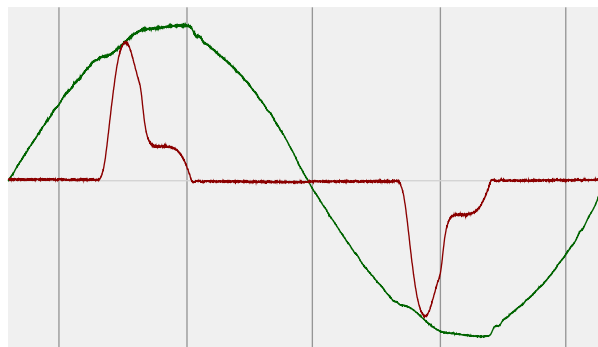


CIE 1931  
x: 0,440  
y: 0,406

Spectra



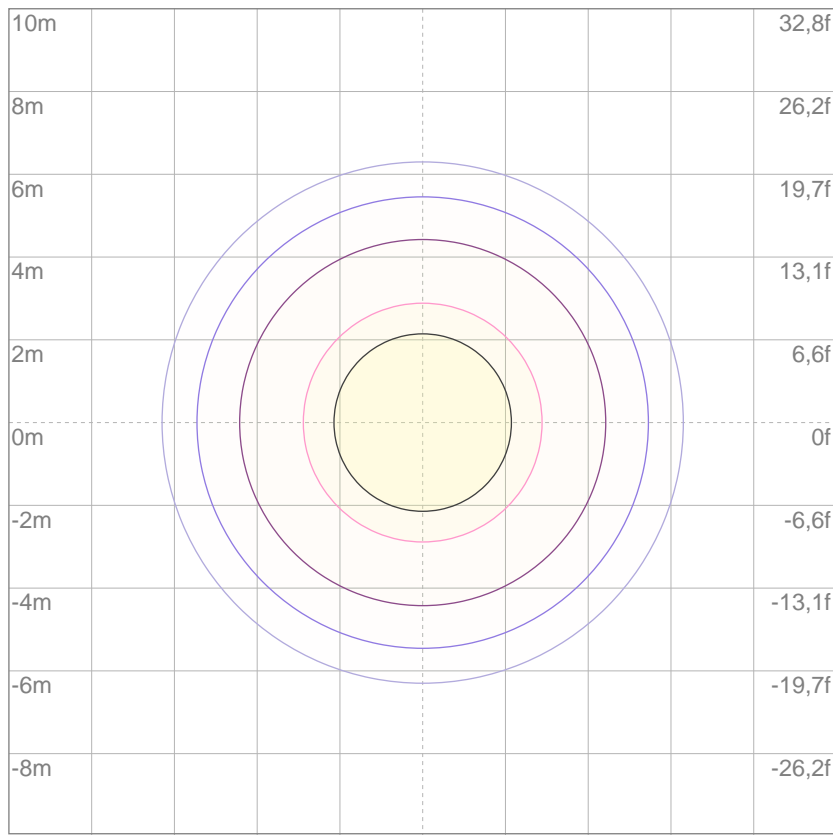
Power



Voltage: 117 V  
Current: 0,276 A  
Frequency: 60,3 Hz

## ISO Diagrams

ISO lux diagram



3%	2,06 lx
5%	3,44 lx
10%	6,88 lx
30%	20,6 lx
50%	34,4 lx

Conditions:

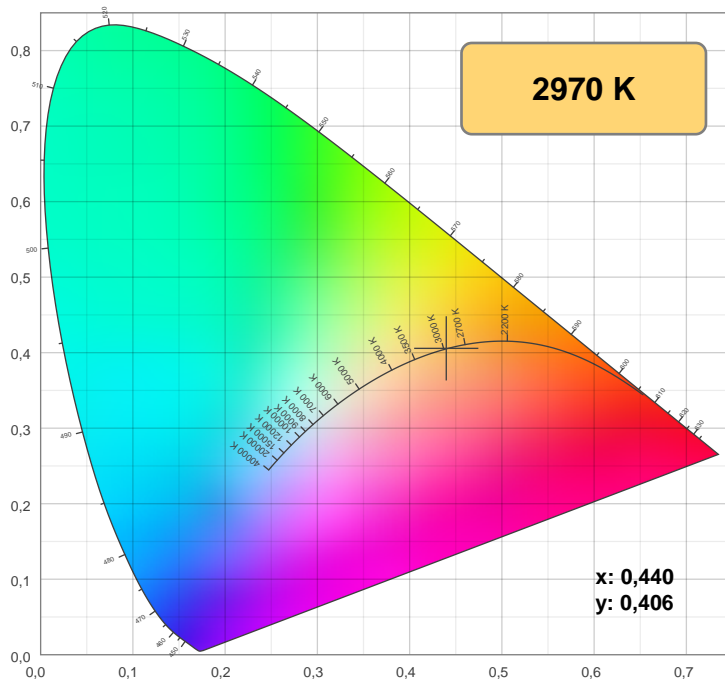
Number of c-planes: 8

Lux at center: 68,8 lx

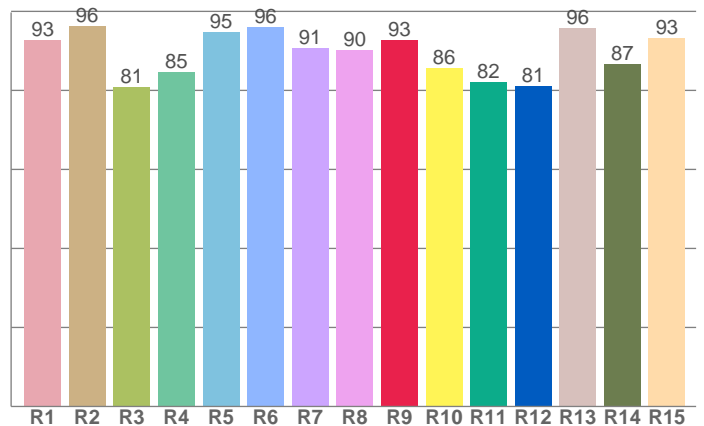
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*

Mounting height: 10 meters (33 f)

## Color details



CRI: 90,8 (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
92,6	96,4	80,8	84,6	94,7	96,1	90,6	90,1	92,6	85,7	82,1	81,1	95,8	86,6	93,3

## 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	$\Delta uv$
2970 K	90,8	92,6	88,7	108,3	89,6	0,440	0,406	0,252	0,348	0,0003

## TM-30 details

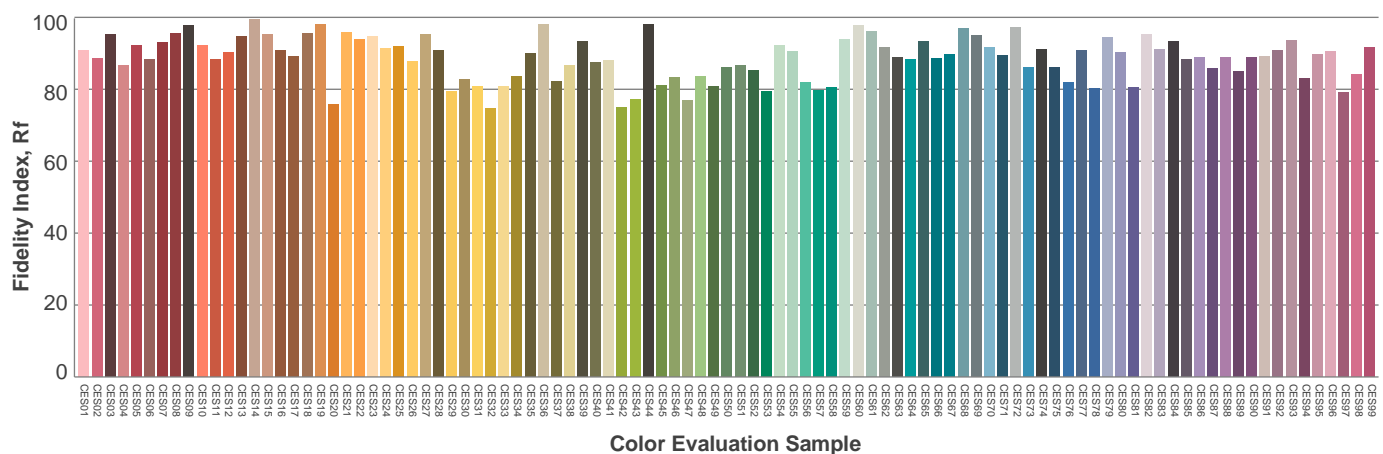
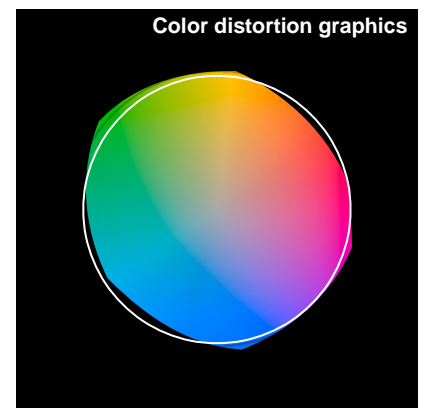
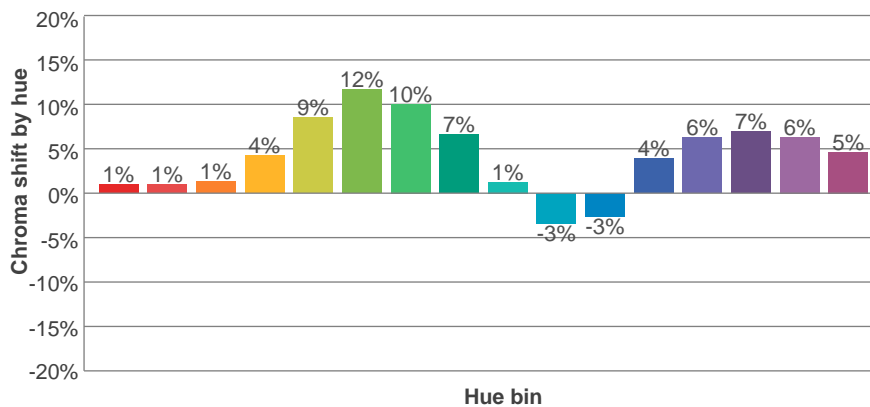
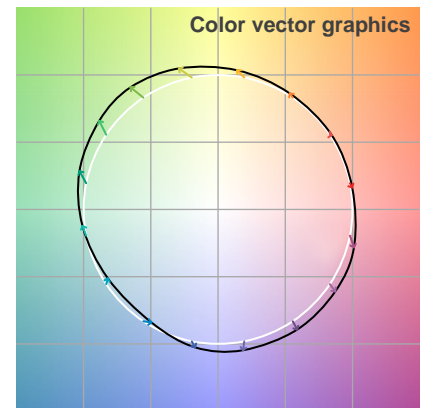
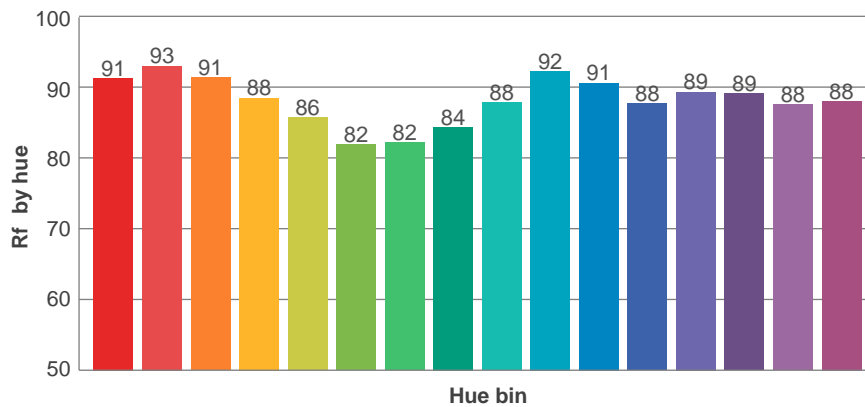
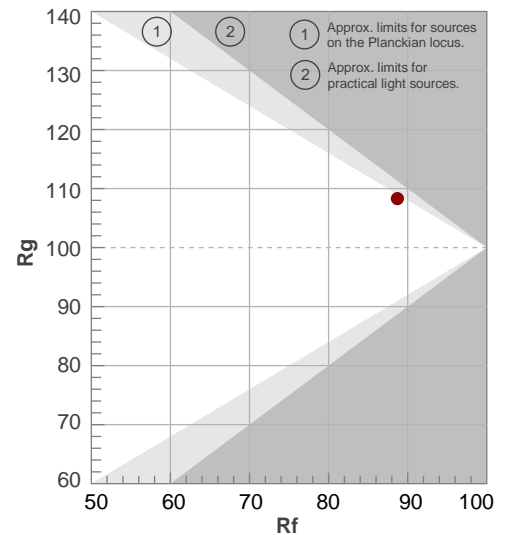
**Rf 88,7**

Fidelity index Rf

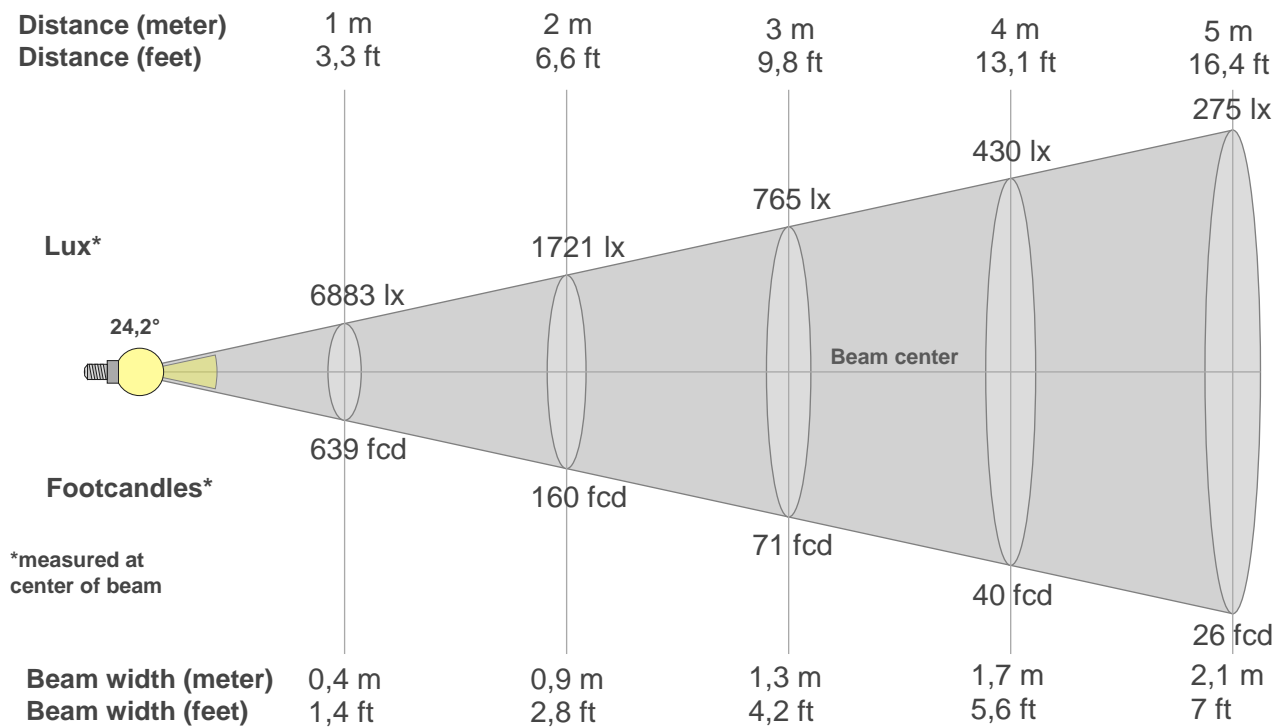
**Rg 108,3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	1%	-3%
2	93	1%	-1%
3	91	1%	4%
4	88	4%	6%
5	86	9%	8%
6	82	12%	4%
7	82	10%	-6%
8	84	7%	-8%
9	88	1%	-8%
10	92	-3%	-3%
11	91	-3%	5%
12	88	4%	3%
13	89	6%	-2%
14	89	7%	-1%
15	88	6%	-2%
16	88	5%	-8%



## 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°
6883	6777	6440	5873	5133	4302	3482	2726	2093	1599	1219	919	688	514	382	284	213	163	125	97
100%	98%	94%	85%	75%	63%	51%	40%	30%	23%	18%	13%	10%	7%	6%	4%	3%	2%	2%	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°
6883	6777	6440	5873	5133	4302	3482	2726	2093	1599	1219	919	688	514	382	284	213	163	125	97
100%	98%	94%	85%	75%	63%	51%	40%	30%	23%	18%	13%	10%	7%	6%	4%	3%	2%	2%	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°
6883	6777	6440	5873	5133	4302	3482	2726	2093	1599	1219	919	688	514	382	284	213	163	125	97
100%	98%	94%	85%	75%	63%	51%	40%	30%	23%	18%	13%	10%	7%	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°
6883	6777	6440	5873	5133	4302	3482	2726	2093	1599	1219	919	688	514	382	284	213	163	125	97
100%	98%	94%	85%	75%	63%	51%	40%	30%	23%	18%	13%	10%	7%	6%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,2°	48°	67,2°	99,7%	98,3%

## 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	13,7	14,1	13,7	14,3	14,5	13,7	14,1	13,7	14,3	14,5
	3H	13,4	14,0	13,7	14,1	14,3	13,4	14,0	13,7	14,1	14,3
	4H	13,3	13,9	13,7	14,1	14,3	13,3	13,9	13,7	14,1	14,3
	6H	13,3	13,7	13,6	14,0	14,4	13,3	13,7	13,6	14,0	14,4
	8H	13,2	13,7	13,5	14,0	14,4	13,2	13,7	13,5	14,0	14,4
	12H	13,2	13,6	13,5	14,0	14,4	13,2	13,6	13,5	14,0	14,4
4H	2H	13,3	13,9	13,7	14,1	14,3	13,3	13,9	13,7	14,1	14,3
	3H	13,2	13,7	13,6	14,0	14,4	13,2	13,7	13,6	14,0	14,4
	4H	13,1	13,5	13,5	13,9	14,4	13,1	13,5	13,5	13,9	14,4
	6H	13,0	13,5	13,5	13,8	14,1	13,0	13,5	13,5	13,8	14,1
	8H	12,9	13,4	13,4	13,7	14,1	12,9	13,4	13,4	13,7	14,1
	12H	12,9	13,2	13,4	13,6	14,1	12,9	13,2	13,4	13,6	14,1
8H	4H	12,9	13,4	13,4	13,7	14,1	12,9	13,4	13,4	13,7	14,1
	6H	12,9	13,1	13,4	13,6	14,1	12,9	13,1	13,4	13,6	14,1
	8H	12,9	13,1	13,4	13,6	14,2	12,9	13,1	13,4	13,6	14,2
	12H	12,8	13,0	13,4	13,5	14,1	12,8	13,0	13,4	13,5	14,1
12H	4H	12,9	13,2	13,4	13,6	14,1	12,9	13,2	13,4	13,6	14,1
	6H	12,9	13,1	13,4	13,6	14,2	12,9	13,1	13,4	13,6	14,2
	8H	12,8	13,0	13,4	13,5	14,1	12,8	13,0	13,4	13,5	14,1
Variation of the observer position for the luminaire distance S											
S = 1.0H		4,5 / -7,2					4,5 / -7,2				
S = 1.5H		7,1 / -10,4					7,1 / -10,4				
S = 2.0H		9,0 / -14,3					9,0 / -14,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1623 lm total luminous flux											

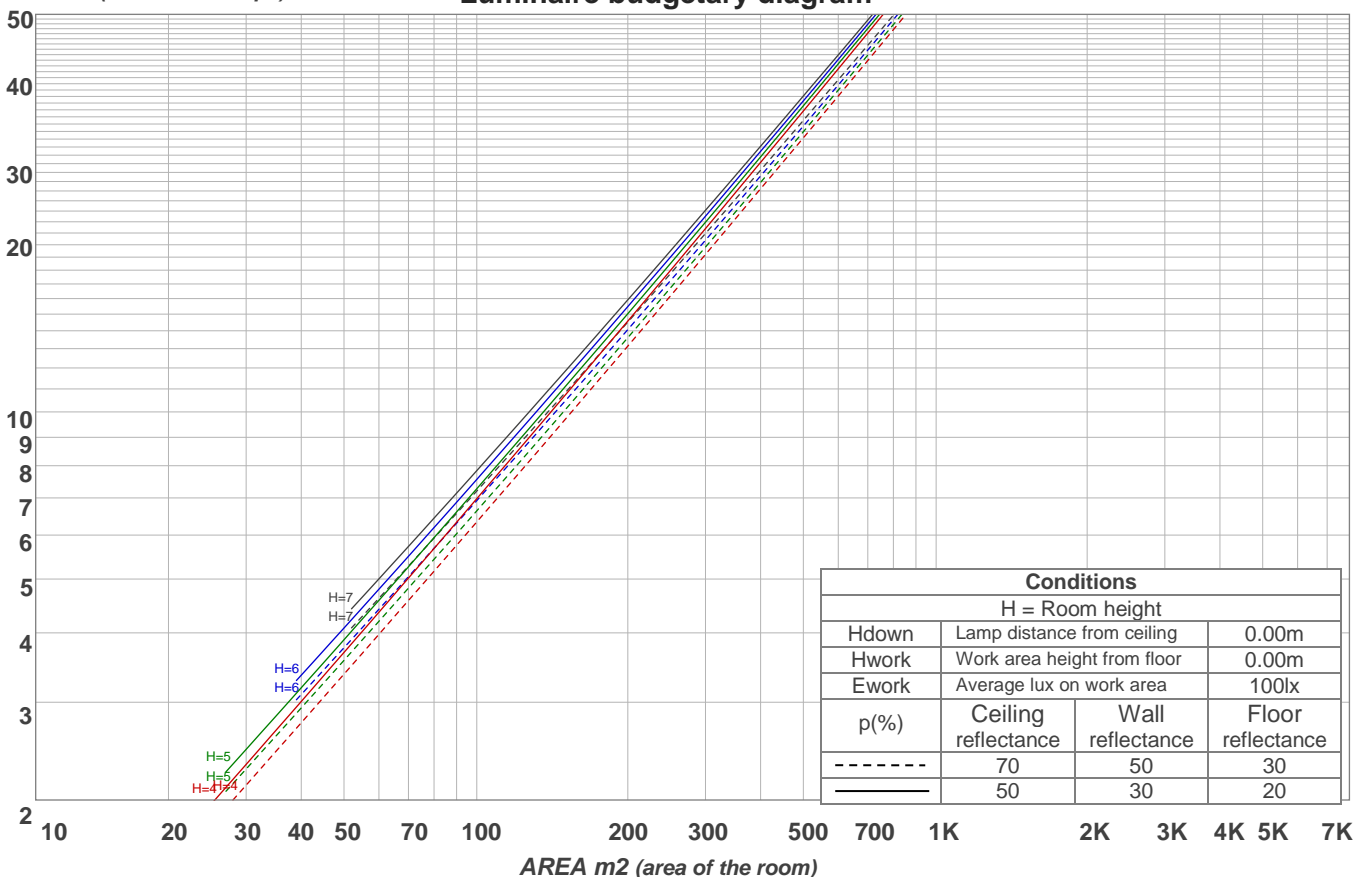
## Light planning

### 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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	83	96	89	85	82	88	84	82	87	84	81	86	83	81	80
7	94	87	83	79	93	86	82	79	85	82	79	84	81	78	83	80	78	77
8	91	84	80	77	90	84	79	76	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	72	77	74	71	76	73	71	70

LAMPS (number of lamps)

### Luminaire budgetary diagram

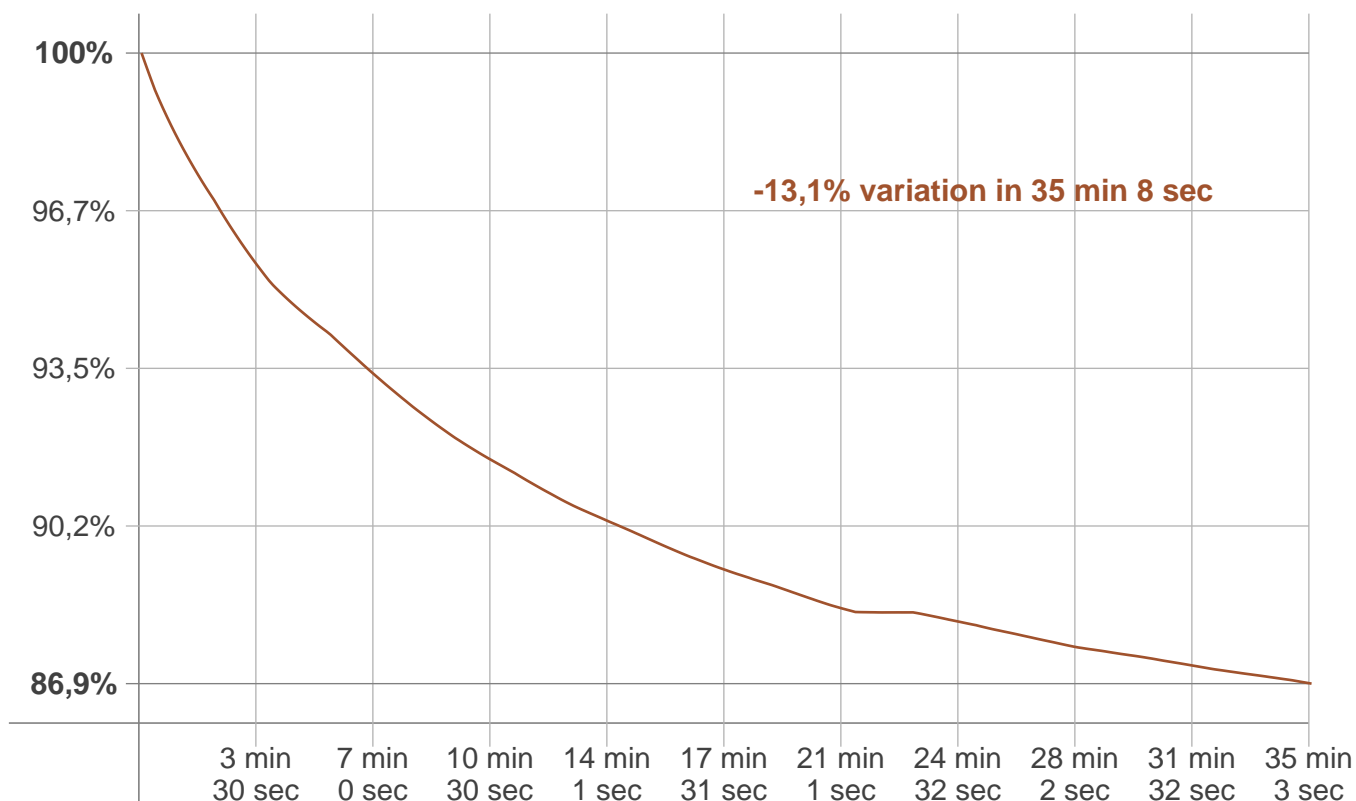


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
529 lm	667 lm	285 lm	94,2 lm	32,8 lm	10,3 lm	2,88 lm	0,378 lm	0,165 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,148 lm	0,143 lm	0,136 lm	0,134 lm	0,152 lm	0,203 lm	0,275 lm	0,196 lm	0,027 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	35 min 8 sec
Warmup variation	-13,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3169 K	-199 K	2970 K

Output change

Output start	Output change	Output end
1861 lm	-238 lm	1623 lm