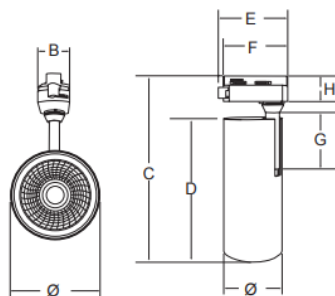


Luminaria para interior



Dimensiones (mm)

Ø: 76, B: 35, C: 230, D: 180
E: 83, F: 75, G: 70, H: 29.



Código

HKTA8611-30W-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	27°	30,000h	IP 20
PF 0,99	°C 20-55	V 100-240	

Fuente de luz

COB de LED.

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

30W	>80	3000	88	2454
-----	-----	------	----	------

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 27,9 W.

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



Light efficiency:

88 Lumen/Watt

Light quality:

CRI: 90,4

Color temperature:

2845 K

Output: 2454 lm

Peak: 9503 cd

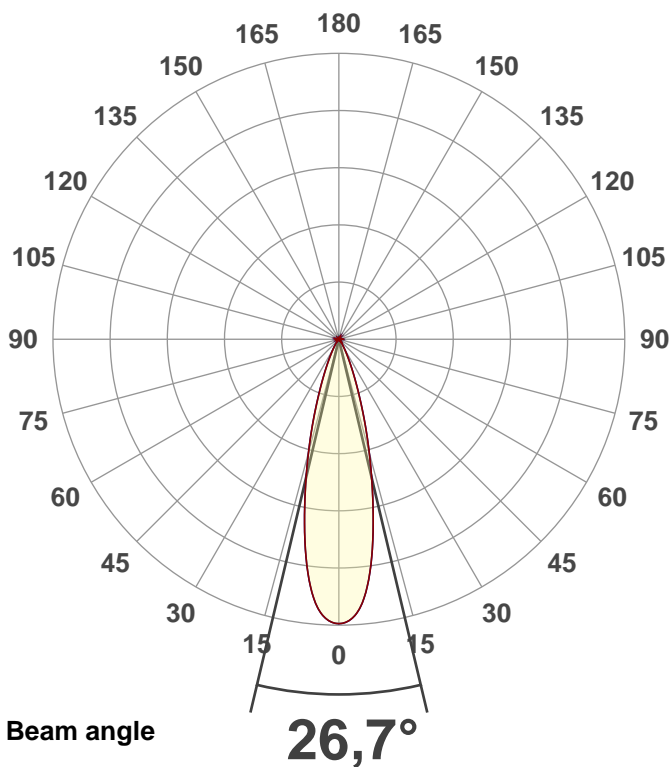
Power: 27,9 W

PF: 0,99



Product name:

E0819-HKTA8611-30W-3K



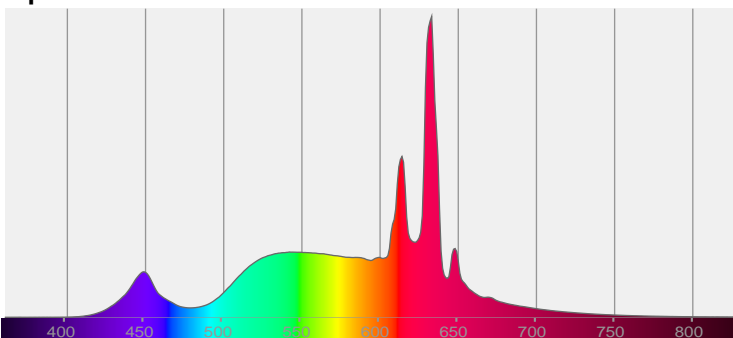
THD Values:

Voltage: 2,16%

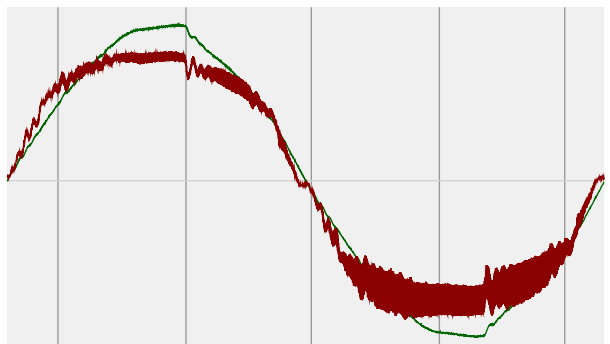
Current: 12,03%



Spectra



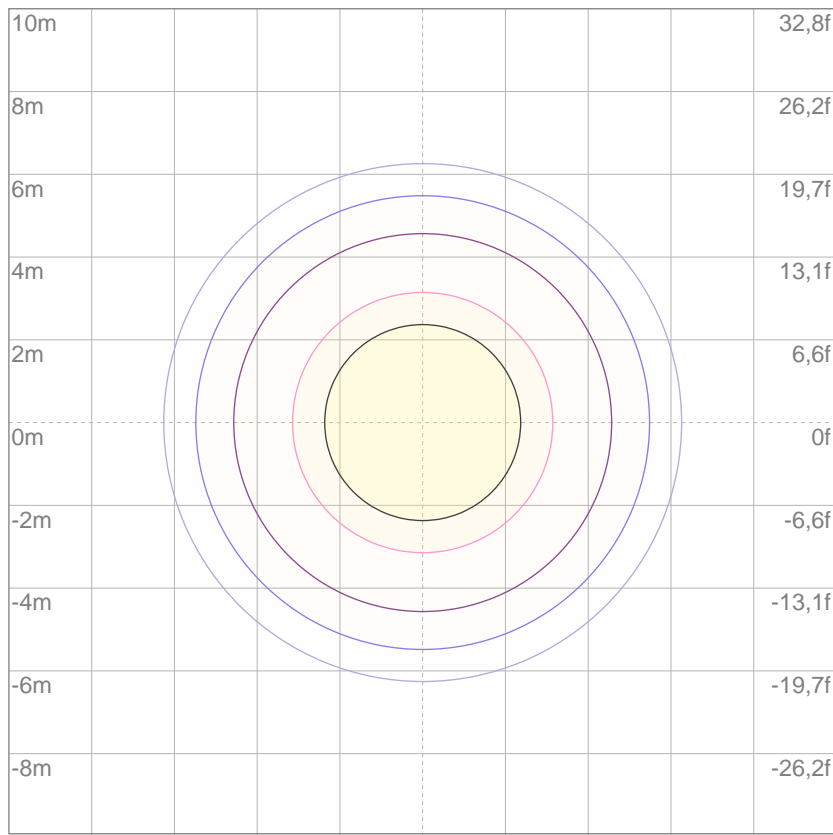
Power



Voltage: 117 V
Current: 0,243 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



3%	2,85 lx
5%	4,75 lx
10%	9,50 lx
30%	28,5 lx
50%	47,5 lx

Conditions:

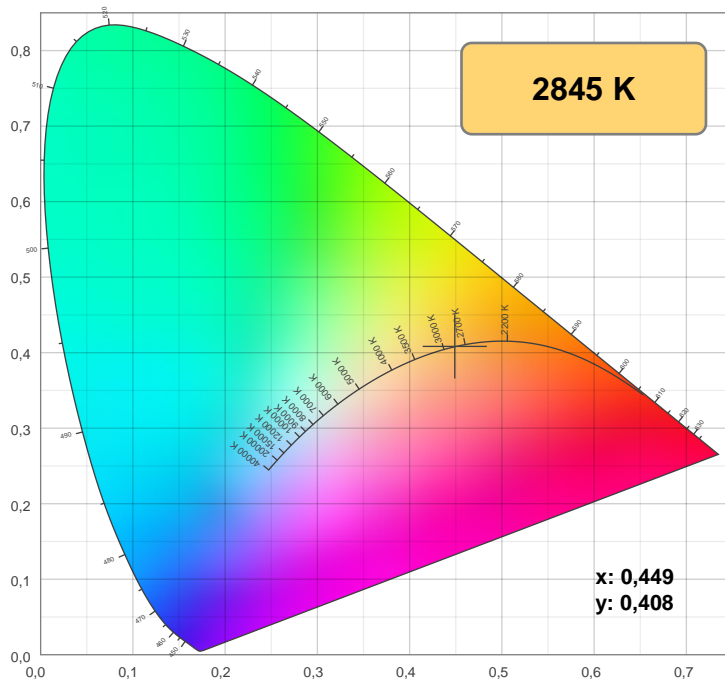
Number of c-planes: 8

Lux at center: 95,0 lx

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

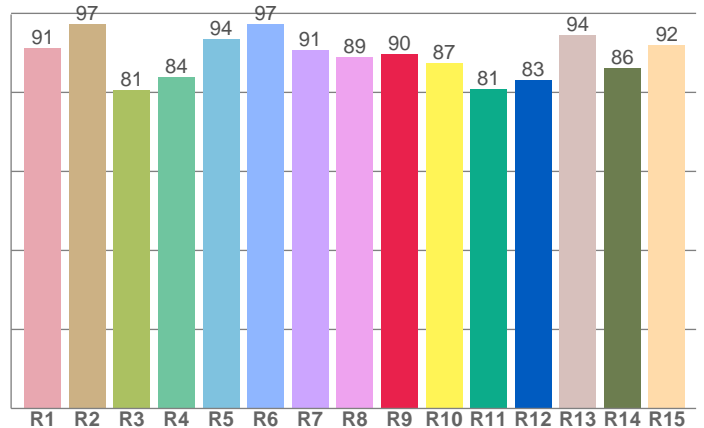
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 90,4 (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
91,2	97,2	80,6	83,8	93,6	97,3	90,7	88,9	89,7	87,3	80,8	83,2	94,4	86,3	92,1

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
2845 K	90,4	89,7	88,7	108,7	89,2	0,449	0,408	0,256	0,350	0,0002

TM-30 details

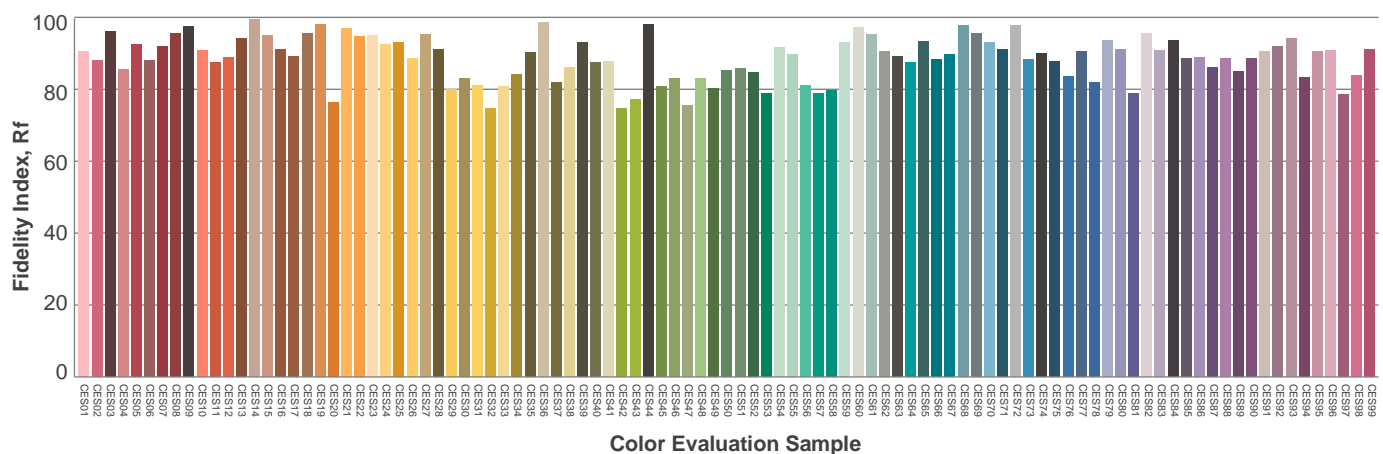
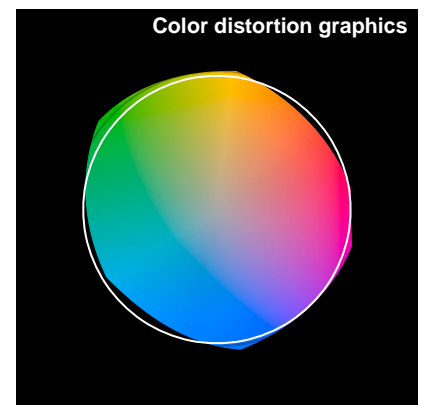
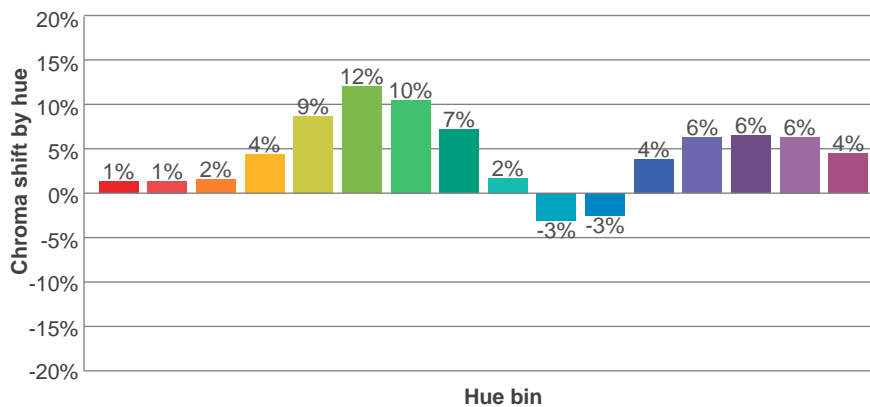
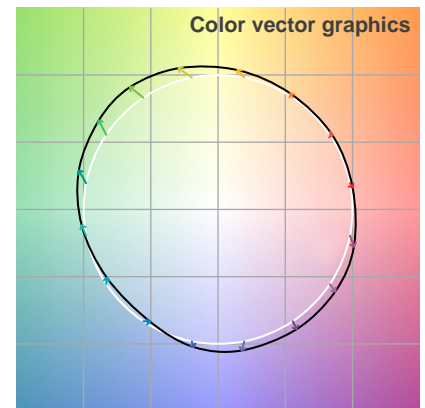
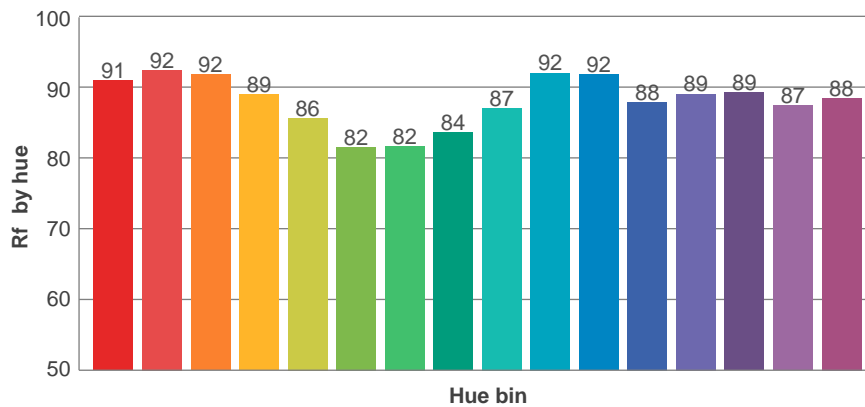
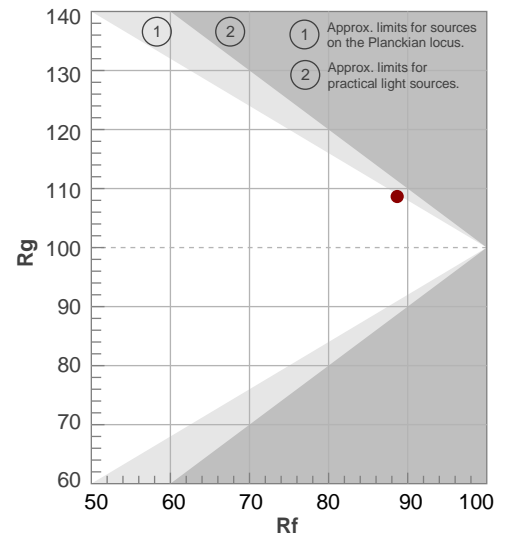
Rf 88,7

Fidelity index Rf

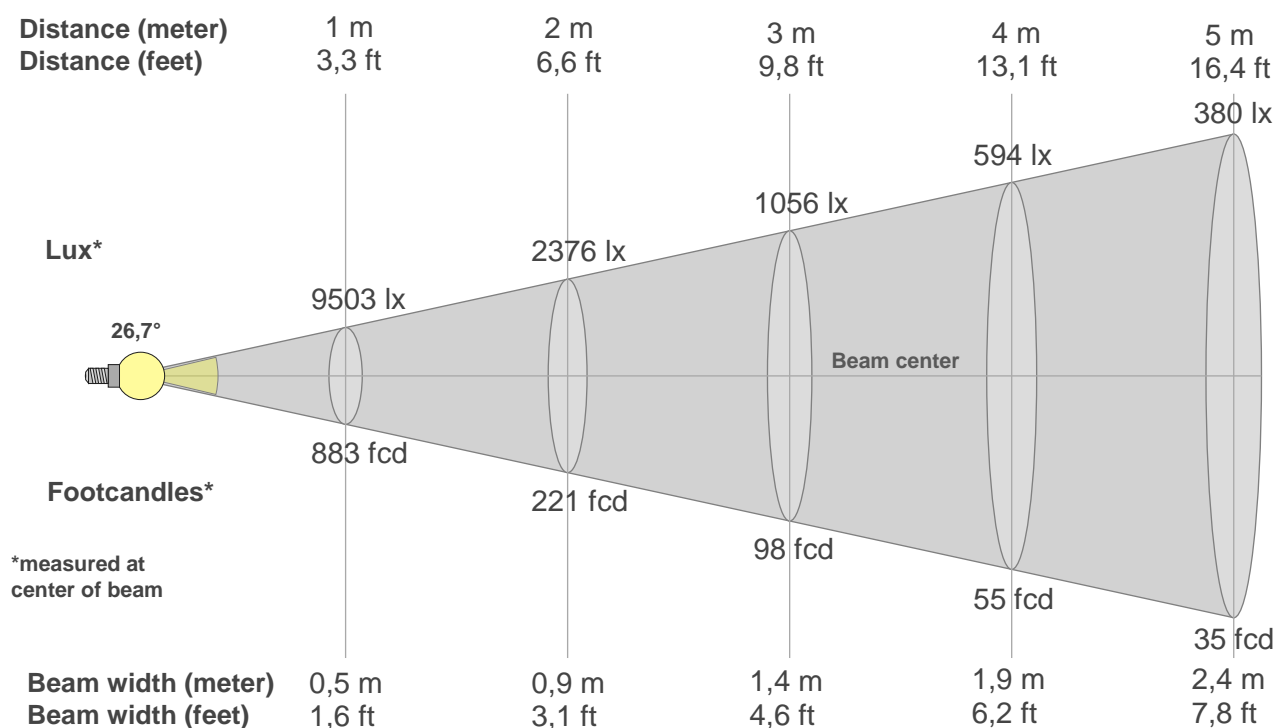
Rg 108,7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	1%	-3%
2	92	1%	-1%
3	92	2%	3%
4	89	4%	6%
5	86	9%	8%
6	82	12%	4%
7	82	10%	-6%
8	84	7%	-8%
9	87	2%	-8%
10	92	-3%	-4%
11	92	-3%	4%
12	88	4%	2%
13	89	6%	-3%
14	89	6%	-1%
15	87	6%	-2%
16	88	4%	-7%



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°
9503	9415	9116	8529	7654	6580	5459	4412	3473	2646	1964	1442	1049	757	546	394	287	210	154	115
100%	99%	96%	90%	81%	69%	57%	46%	37%	28%	21%	15%	11%	8%	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°
9503	9415	9116	8529	7654	6580	5459	4412	3473	2646	1964	1442	1049	757	546	394	287	210	154	115
100%	99%	96%	90%	81%	69%	57%	46%	37%	28%	21%	15%	11%	8%	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°
9503	9415	9116	8529	7654	6580	5459	4412	3473	2646	1964	1442	1049	757	546	394	287	210	154	115
100%	99%	96%	90%	81%	69%	57%	46%	37%	28%	21%	15%	11%	8%	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°
9503	9415	9116	8529	7654	6580	5459	4412	3473	2646	1964	1442	1049	757	546	394	287	210	154	115
100%	99%	96%	90%	81%	69%	57%	46%	37%	28%	21%	15%	11%	8%	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
26,7°	49,2°	66,4°	99,8%	98,8%

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	12,7	13,1	12,7	13,3	13,5	12,7	13,1	12,7	13,3	13,5
	3H	12,4	13,0	12,7	13,2	13,3	12,4	13,0	12,7	13,2	13,3
	4H	12,3	12,9	12,7	13,1	13,3	12,3	12,9	12,7	13,1	13,3
	6H	12,3	12,8	12,6	13,1	13,4	12,3	12,8	12,6	13,1	13,4
	8H	12,3	12,7	12,6	13,0	13,4	12,3	12,7	12,6	13,0	13,4
	12H	12,2	12,6	12,5	13,0	13,4	12,2	12,6	12,5	13,0	13,4
4H	2H	12,3	12,9	12,7	13,1	13,3	12,3	12,9	12,7	13,1	13,3
	3H	12,2	12,7	12,6	13,0	13,4	12,2	12,7	12,6	13,0	13,4
	4H	12,1	12,5	12,5	12,9	13,4	12,1	12,5	12,5	12,9	13,4
	6H	12,0	12,5	12,5	12,8	13,1	12,0	12,5	12,5	12,8	13,1
	8H	11,9	12,4	12,5	12,7	13,1	11,9	12,4	12,5	12,7	13,1
	12H	11,9	12,2	12,4	12,6	13,1	11,9	12,2	12,4	12,6	13,1
8H	4H	11,9	12,4	12,5	12,7	13,1	11,9	12,4	12,5	12,7	13,1
	6H	11,9	12,1	12,4	12,6	13,1	11,9	12,1	12,4	12,6	13,1
	8H	11,9	12,1	12,4	12,6	13,2	11,9	12,1	12,4	12,6	13,2
	12H	11,8	12,0	12,4	12,5	13,1	11,8	12,0	12,4	12,5	13,1
12H	4H	11,9	12,2	12,4	12,6	13,1	11,9	12,2	12,4	12,6	13,1
	6H	11,9	12,1	12,4	12,6	13,2	11,9	12,1	12,4	12,6	13,2
	8H	11,8	12,0	12,4	12,5	13,1	11,8	12,0	12,4	12,5	13,1
Variation of the observer position for the luminaire distance S											
S = 1.0H		5,0 / -7,8					5,0 / -7,8				
S = 1.5H		7,6 / -11,4					7,6 / -11,4				
S = 2.0H		9,6 / -14,4					9,6 / -14,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 2454 lm total luminous flux											

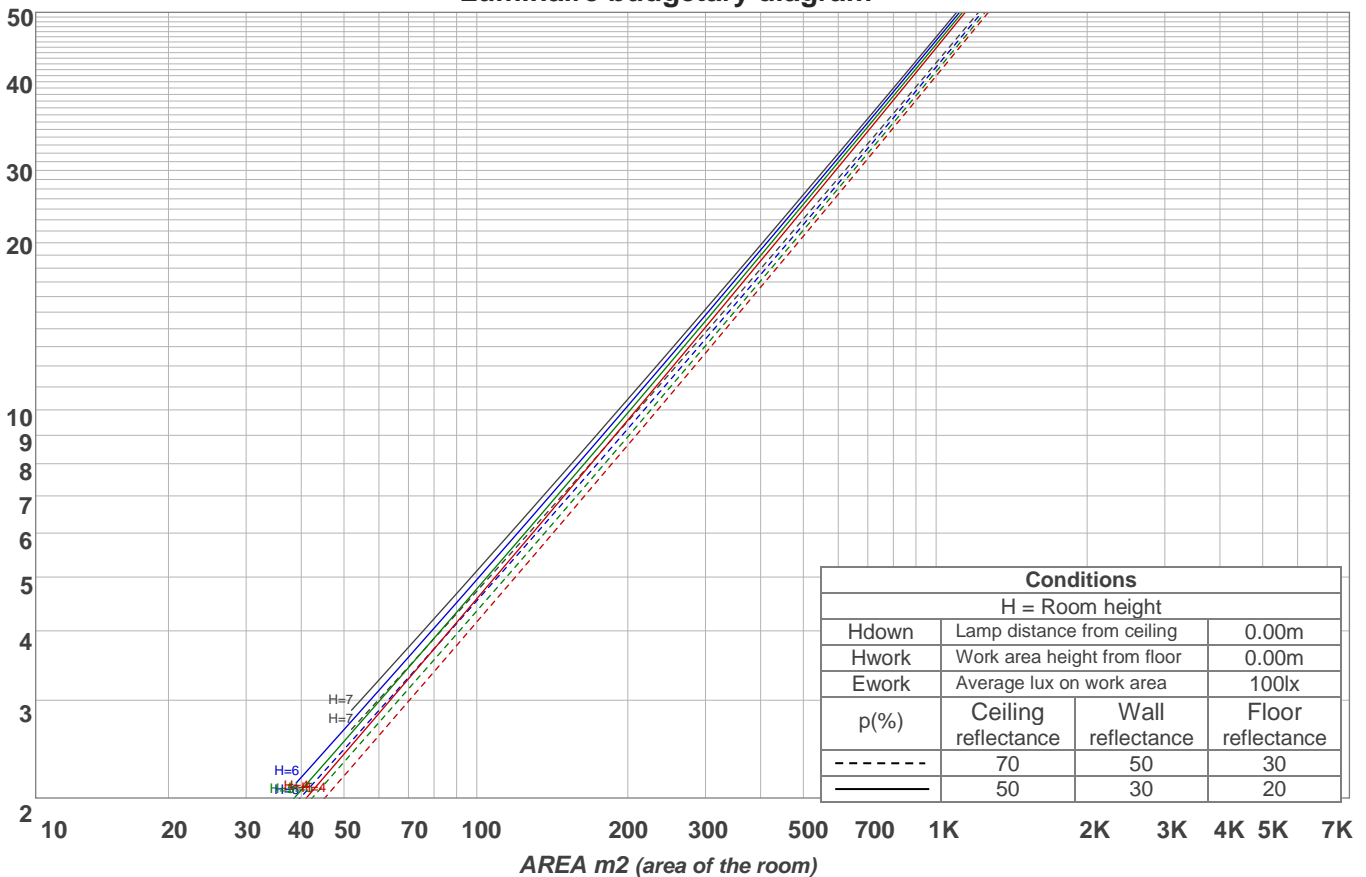
Light planning

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

LAMPS (number of lamps)

Luminaire budgetary diagram

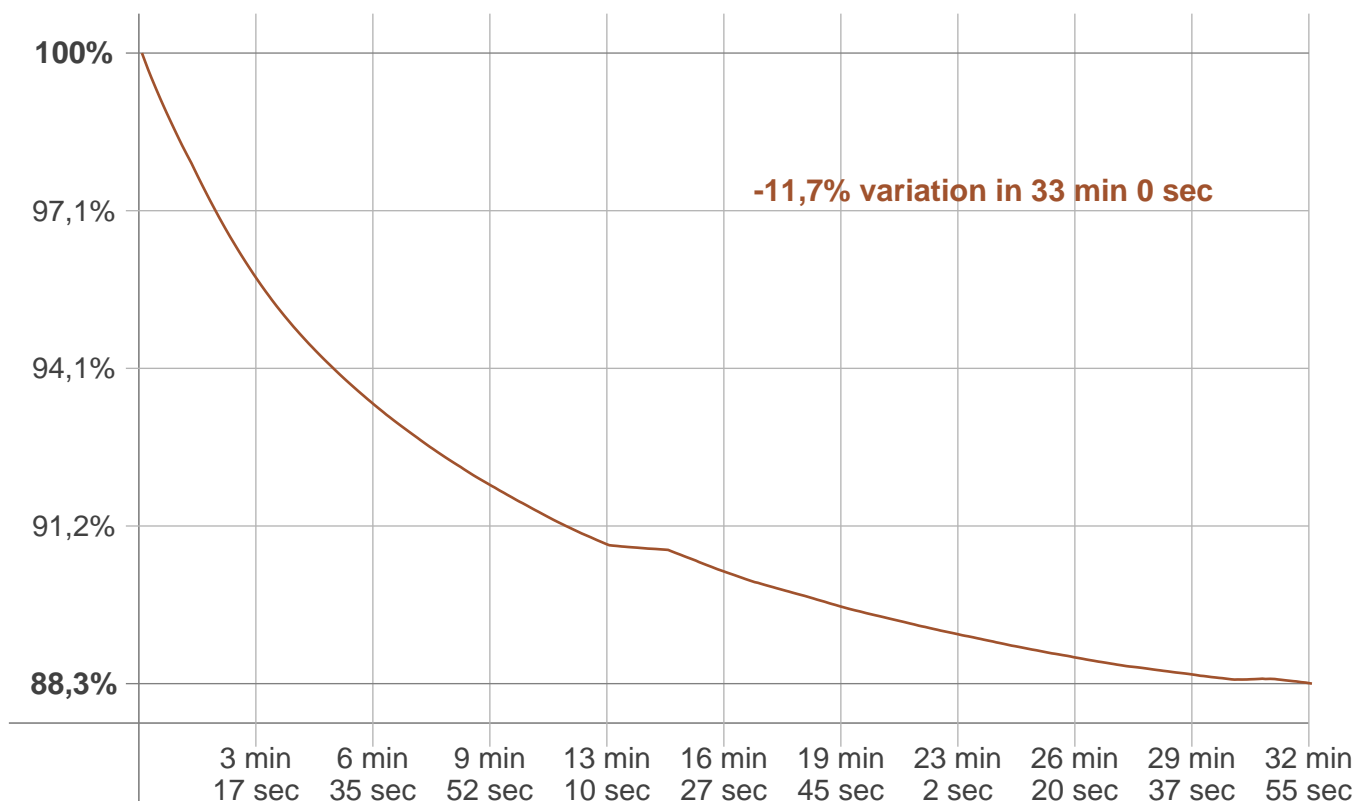


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
773 lm	1074 lm	433 lm	121 lm	36,4 lm	11,4 lm	3,02 lm	0,621 lm	0,184 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,179 lm	0,163 lm	0,165 lm	0,160 lm	0,180 lm	0,245 lm	0,335 lm	0,213 lm	0,035 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	33 min 0 sec
Warmup variation	-11,9%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
2994 K	-149 K	2845 K

Output change

Output start	Output change	Output end
2766 lm	-312 lm	2454 lm