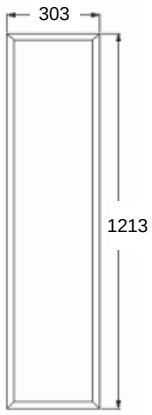
Dimensiones (mm)

Largo: 303; **Ancho:** 1213
Alto: 30.



Código

PLED40-30x120-4K-AM

Descripción

Luminaria tipo panel Backlite, diseñada con módulo de LED. Montaje para empotrar. Perfil en aluminio con esquinas perfectas con un ángulo estrecho para proporcionar un acabado refinado y placa posterior que protege los LED y el óptico.

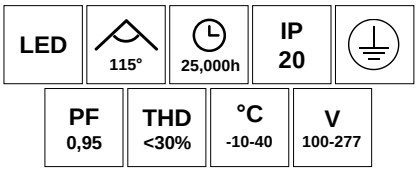
Materiales y acabado

Marco en aluminio extruido, placa posterior de hierro.
Difusor en policarbonato opal, resistente al rayado y al impacto.

Color

Blanco.

Características técnicas



Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
40W	>80	4000	85	3657

Características de fuente de luz

- Tipo de color temperatura 4000K (neutro).
- Sistema LED de larga duración.

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

Light efficiency:

85 Lumen/Watt

Light quality:

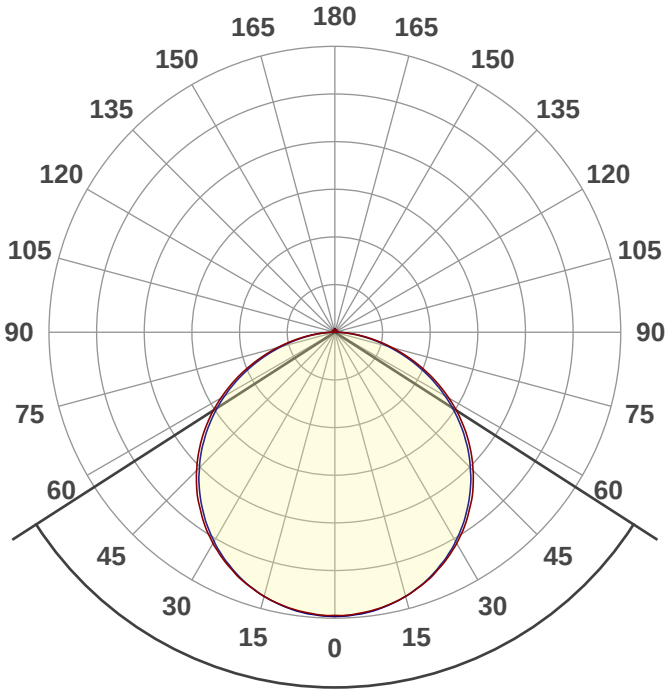
CRI: 83,1

Color temperature:

4000 K

Output: 3657 lm
Peak: 1234 cd

Power: 42,9 W
PF: 0,95



Product name:
E0454-PLED40-30x120-4K-AM

Beam angle **114,5°**

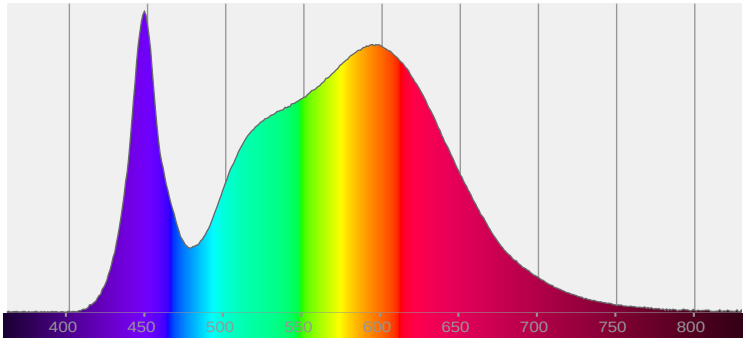
CIE 1931
x: 0,381
y: 0,377

THD Values:

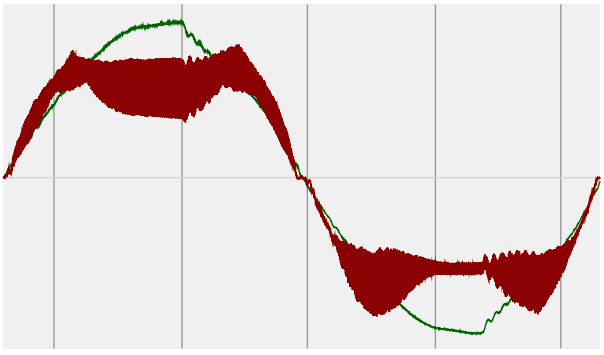
Voltage: 2,77%

Current: 27,72%

Spectra



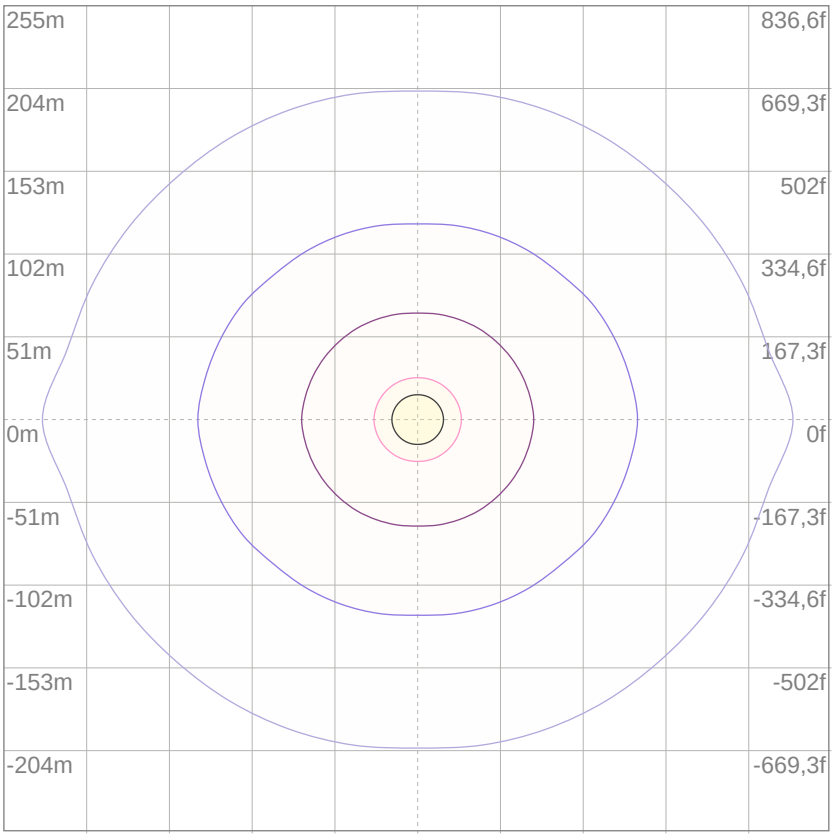
Power



Voltage: 110 V
Current: 0,407 A
Frequency: 60,3 Hz

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,370 lx
5%	0,616 lx
10%	1,23 lx
30%	3,70 lx
50%	6,16 lx

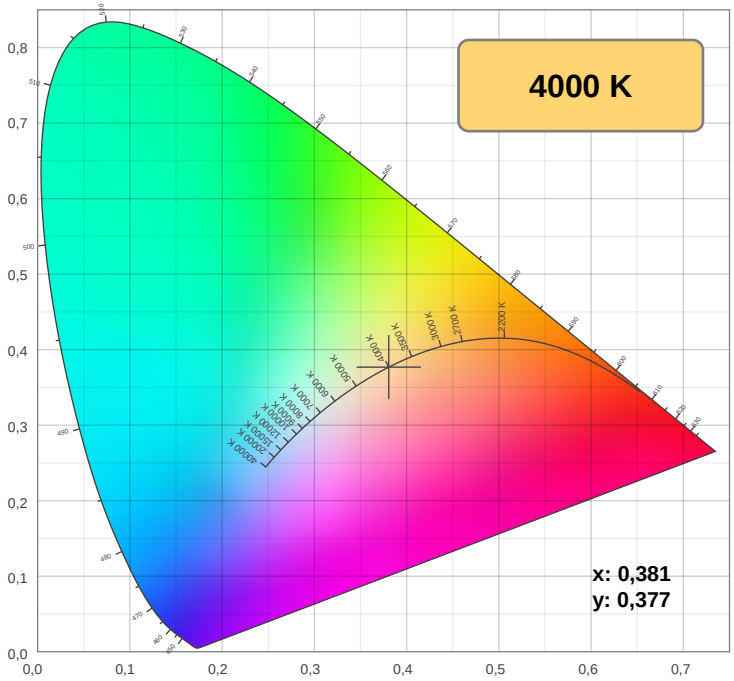
Conditions:

Number of c-planes: 8

Lux at center: 12,3 lx

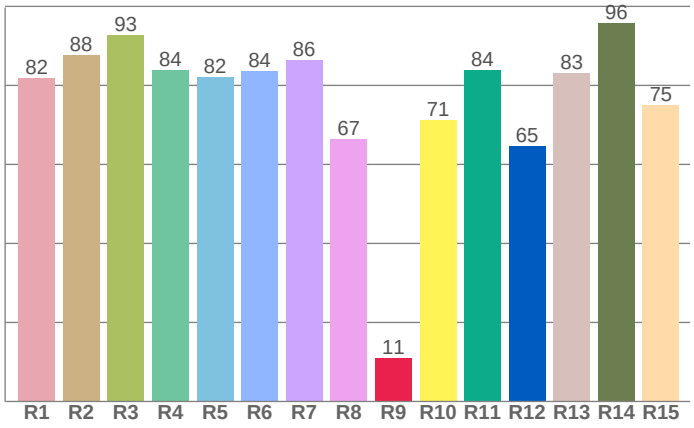
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Color details



CIE 1931

CRI: 83,1 (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
81,9	87,7	92,7	84,0	82,1	83,7	86,4	66,5	11,0	71,3	84,0	64,6	83,1	95,9	75,0

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4000 K	83,1	11,0	84,0	97,8	82,6	0,381	0,377	0,225	0,334	0,0008

VISO SYSTEMS

Distecsa

TM-30 details

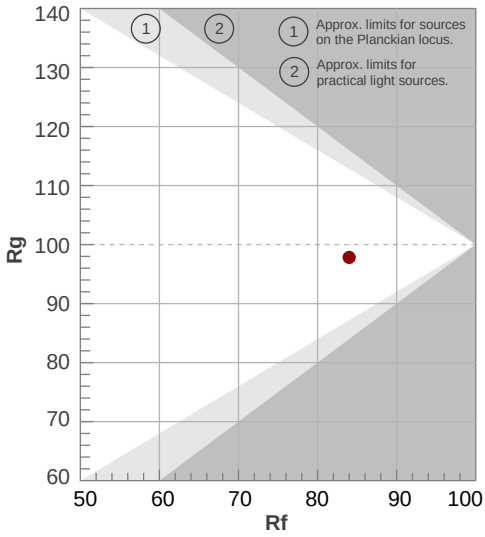
Rf 84,0

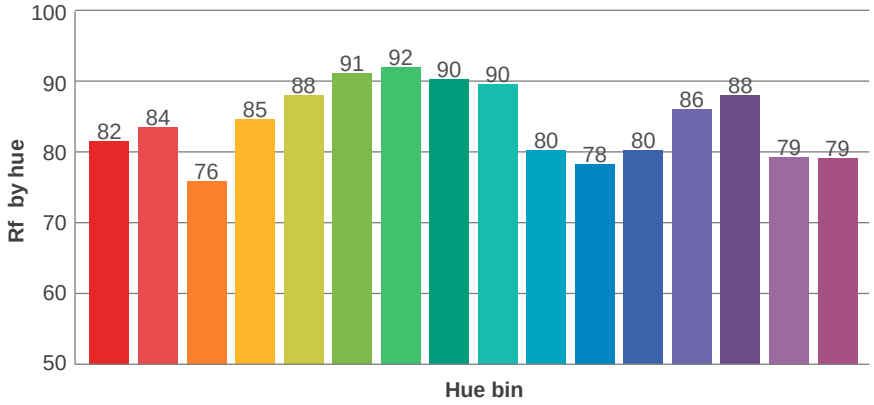
Fidelity index Rf

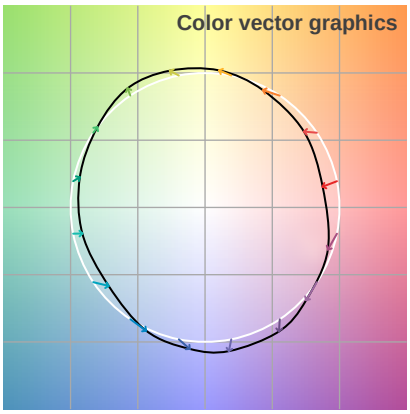
Rg 97,8

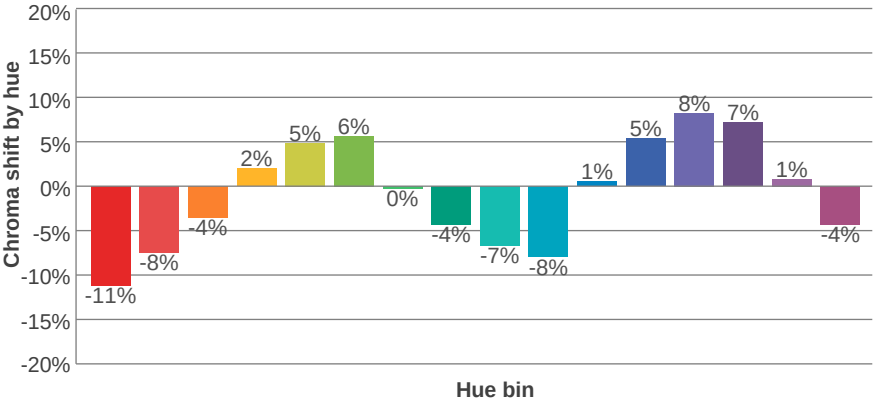
Gamut index Rg

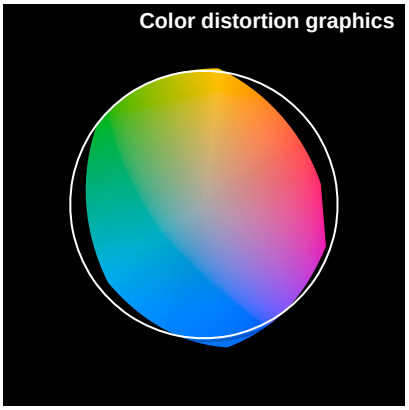
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	82	-11%	-2%
2	84	-8%	6%
3	76	-4%	13%
4	85	2%	10%
5	88	5%	6%
6	91	6%	-1%
7	92	0%	-5%
8	90	-4%	-4%
9	90	-7%	1%
10	80	-8%	9%
11	78	1%	14%
12	80	5%	9%
13	86	8%	-3%
14	88	7%	-5%
15	79	1%	-16%
16	79	-4%	-13%

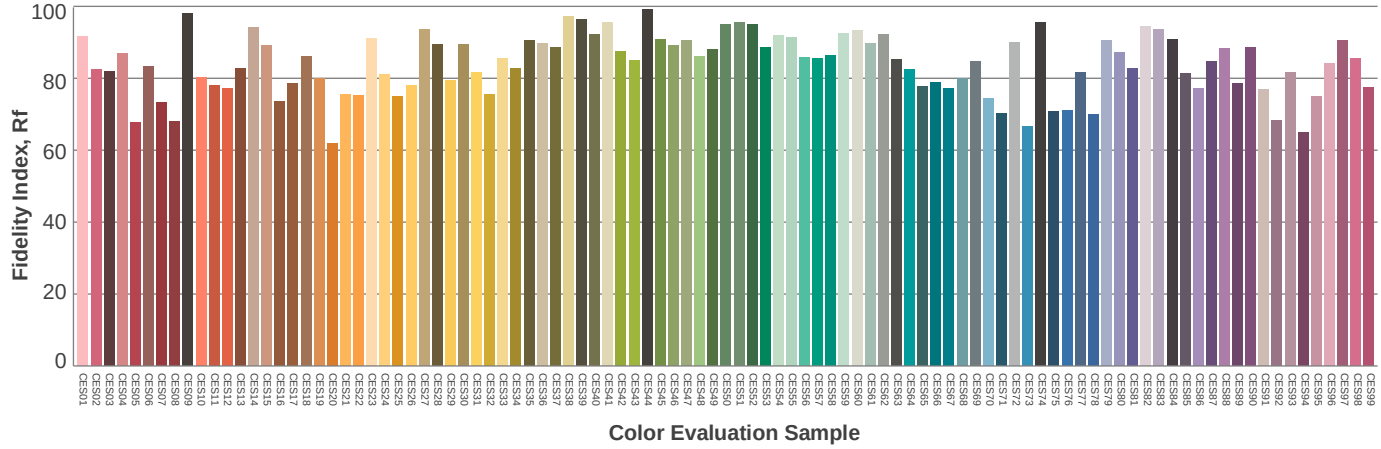




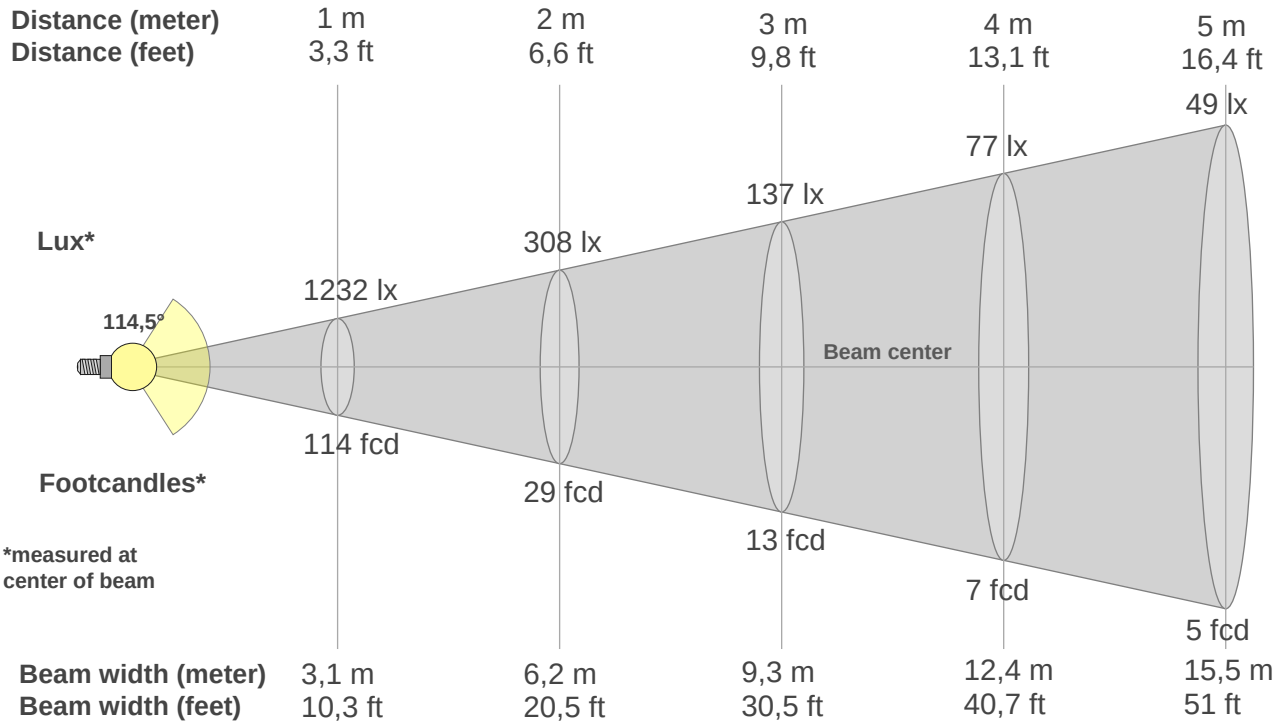








Beam details



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
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
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°
1232	1225	1211	1188	1154	1111	1059	998	929	849	764	671	572	469	362	258	160	74	17	7
100%	99%	98%	96%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	21%	13%	6%	1%	1%

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°
1232	1229	1213	1188	1152	1105	1049	985	913	832	745	651	552	449	344	241	147	66	14	6
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	60%	53%	45%	36%	28%	20%	12%	5%	1%	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°
1232	1225	1211	1188	1154	1111	1059	998	929	849	764	671	572	469	362	258	160	74	17	7
100%	99%	98%	96%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	21%	13%	6%	1%	1%

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°
1232	1229	1213	1188	1152	1105	1049	985	913	832	745	651	552	449	344	241	147	66	14	6
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	60%	53%	45%	36%	28%	20%	12%	5%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
114,5°	**163,3°**	**176°**	**77,1%**	**52,2%**

UGR

Glare Evaluation According to UGR

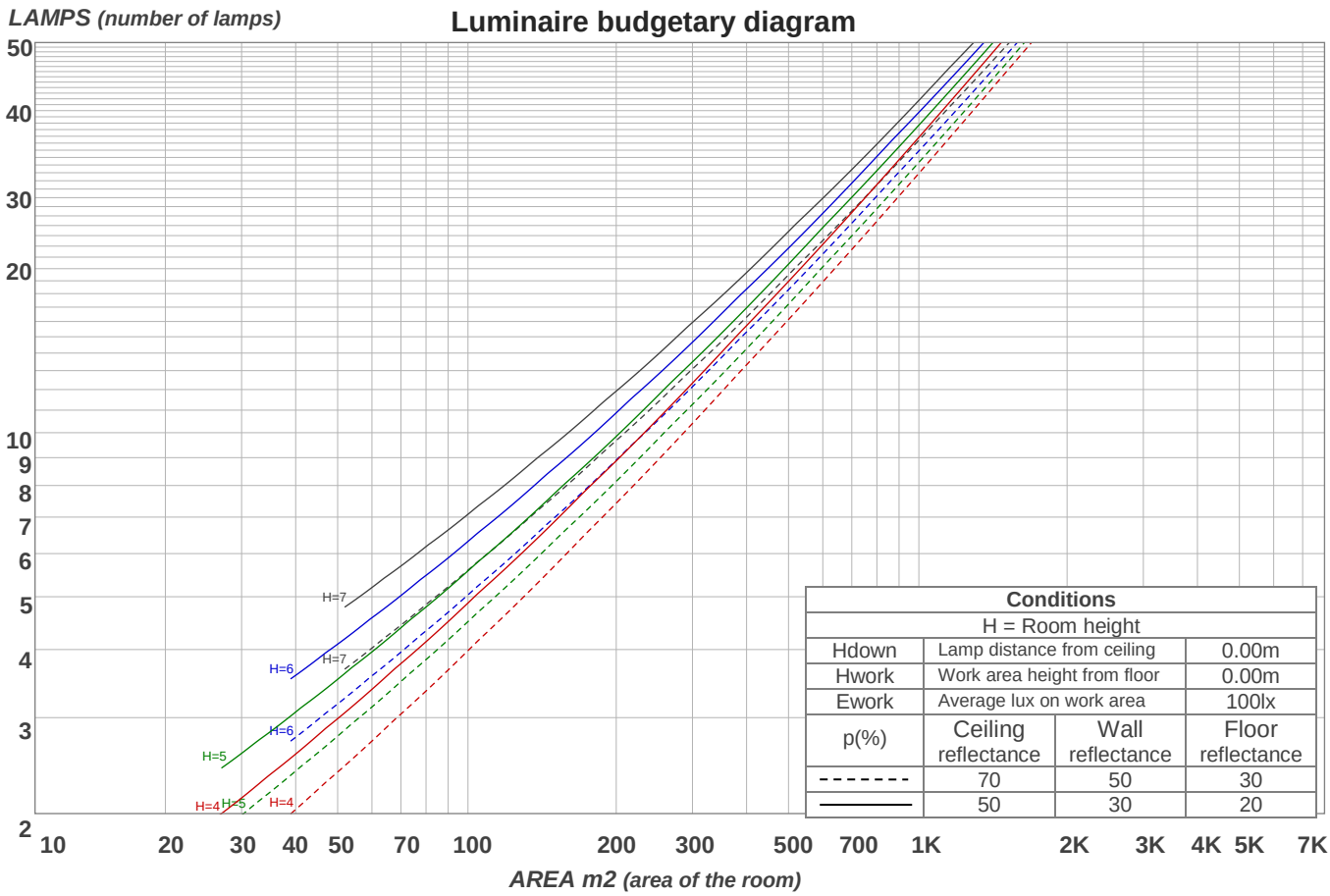
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
X	Y										
2H	2H	16,7	17,9	16,9	18,2	18,5	16,6	17,8	16,8	18,1	18,4
	3H	18,2	19,5	18,6	19,8	20,0	18,0	19,3	18,5	19,6	19,8
	4H	18,9	20,1	19,3	20,4	20,7	18,7	19,9	19,1	20,2	20,5
	6H	19,5	20,5	19,8	20,8	21,2	19,2	20,3	19,5	20,6	21,0
	8H	19,6	20,7	20,0	21,0	21,4	19,4	20,4	19,7	20,7	21,1
	12H	19,7	20,7	20,1	21,1	21,6	19,4	20,4	19,8	20,8	21,3
4H	2H	17,3	18,5	17,7	18,8	19,1	17,2	18,4	17,6	18,7	19,0
	3H	19,1	20,1	19,5	20,5	21,0	19,0	20,0	19,4	20,3	20,8
	4H	19,8	20,8	20,3	21,2	21,8	19,7	20,6	20,1	21,0	21,6
	6H	20,5	21,4	21,0	21,7	22,1	20,3	21,1	20,8	21,5	21,9
	8H	20,7	21,5	21,2	21,9	22,3	20,5	21,3	21,0	21,7	22,1
	12H	20,9	21,5	21,4	22,0	22,5	20,6	21,3	21,1	21,7	22,2
8H	4H	20,1	20,9	20,7	21,3	21,7	20,0	20,8	20,5	21,2	21,6
	6H	20,9	21,5	21,5	22,0	22,6	20,7	21,3	21,3	21,8	22,4
	8H	21,3	21,8	21,8	22,3	23,0	21,0	21,6	21,6	22,1	22,8
	12H	21,5	22,0	22,1	22,5	23,1	21,3	21,7	21,9	22,2	22,9
12H	4H	20,2	20,8	20,7	21,3	21,8	20,0	20,7	20,5	21,1	21,6
	6H	21,0	21,6	21,5	22,1	22,8	20,8	21,4	21,4	21,9	22,6
	8H	21,4	21,8	22,0	22,3	23,0	21,2	21,6	21,8	22,1	22,8
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,1 / -0,2					0,1 / -0,2				
S = 2.0H		0,4 / -0,4					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 3657 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	110	110	110	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	86	84	82
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	77	74	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	51	42	36	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Luminaire budgetary diagram



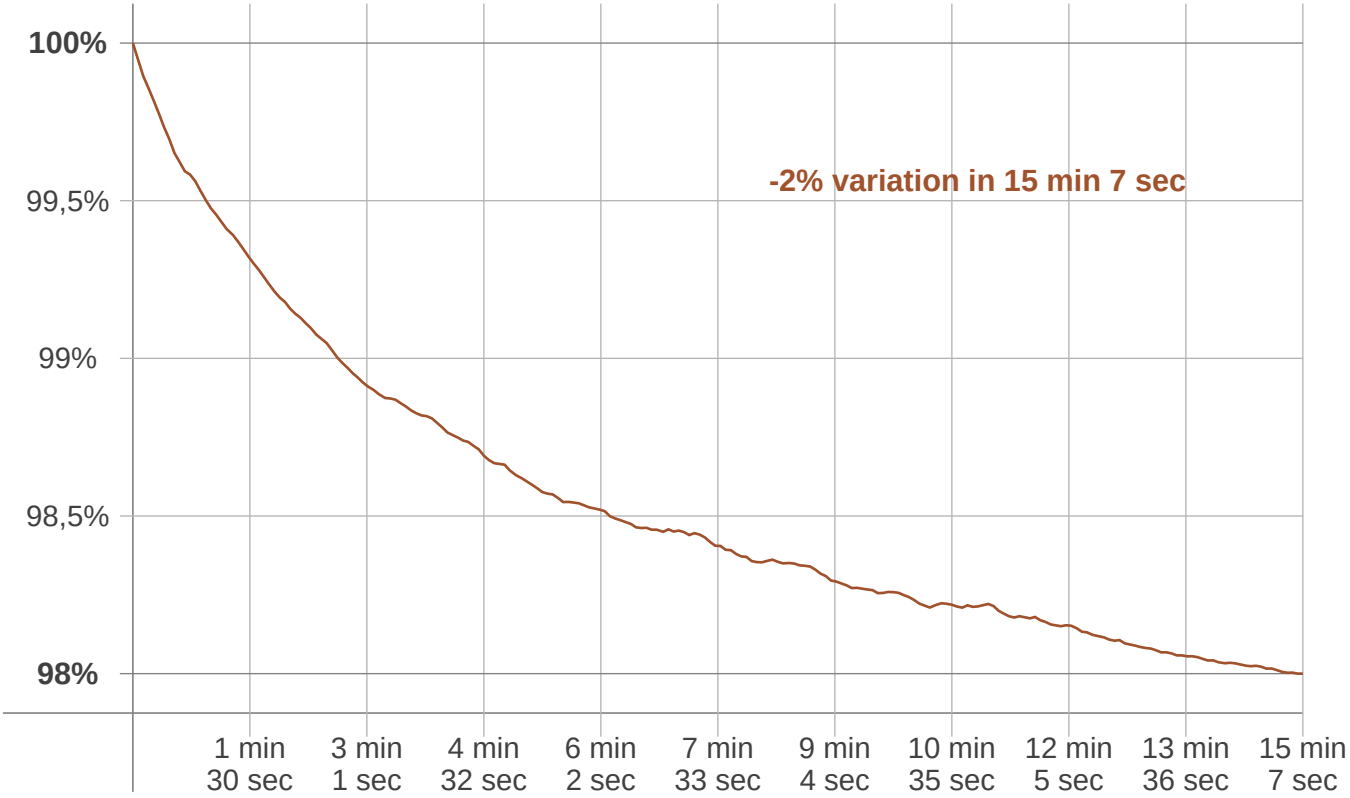
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
117 lm	335 lm	510 lm	620 lm	648 lm	590 lm	452 lm	264 lm	80,5 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
7,78 lm	5,83 lm	5,66 lm	5,39 lm	5,01 lm	4,37 lm	3,42 lm	2,19 lm	0,752 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**15 min 7 sec**
Warmup variation	**-2,0%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3990 K	+10 K	4000 K

Output change

Output start	Output change	Output end
3726 lm	-69 lm	3657 lm