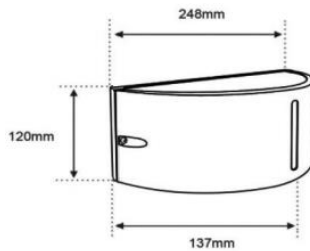


Luminaria para exterior



Dimensiones (mm)

Largo: 248; **Ancho:** 137
Alto: 120.



Código

2253

Descripción

Luminaria tipo aplique, diseñada con COB de LED integrado. Directa-Indirecta, con acrílico opal.

Materiales y acabado

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

Color

Negro.

Características técnicas

LED	IP 54	V 100- 240	°C 15- 55
-----	----------	------------------	-----------------

Fuente de luz

COB de LED.

Potencia	CRI	K	Lm de Salida
7,2W	>80	4000	128 Lm

Características de fuente de luz

- Color temperatura disponible 4000K (neutro).

Light efficiency:



Light quality:



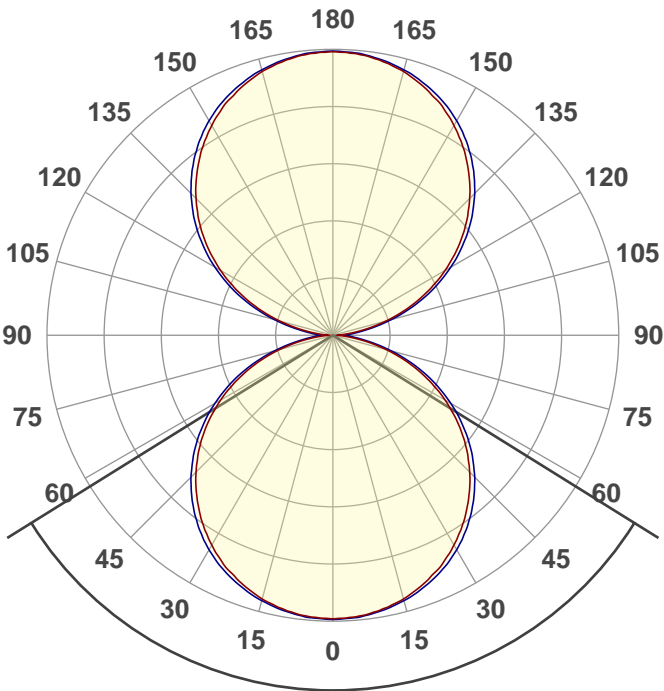
Color temperature:



Output: 128 lm
Peak: 21,4 cd
Power: 7,2 W
PF: 0,66



Product name:
E0824-2253



Beam angle **116,2°**



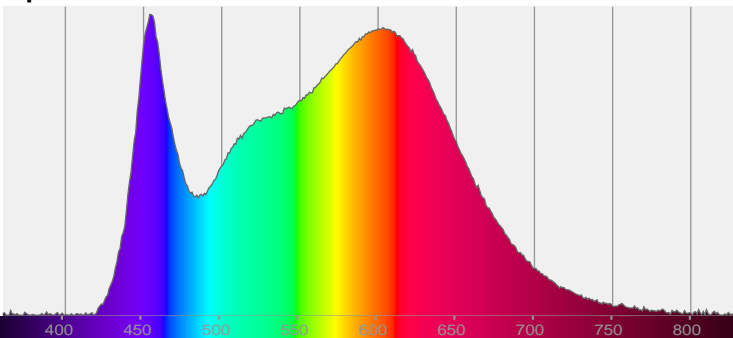
CIE 1931
x: 0,379
y: 0,368

THD Values:

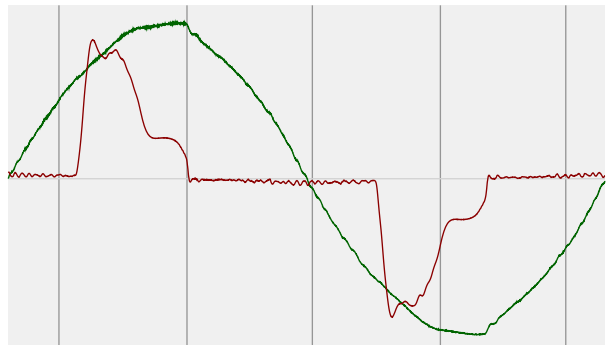
Voltage: 2,51%

Current: 88,85%

Spectra



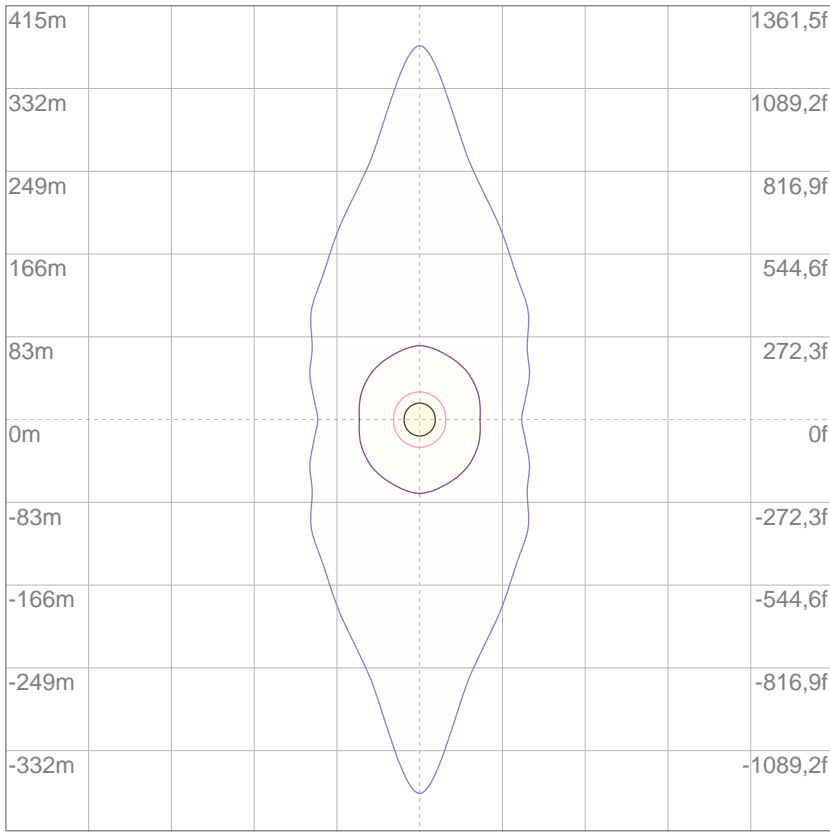
Power



Voltage: 117 V
Current: 0,093 A
Frequency: 60,2 Hz

ISO Diagrams

ISO lux diagram



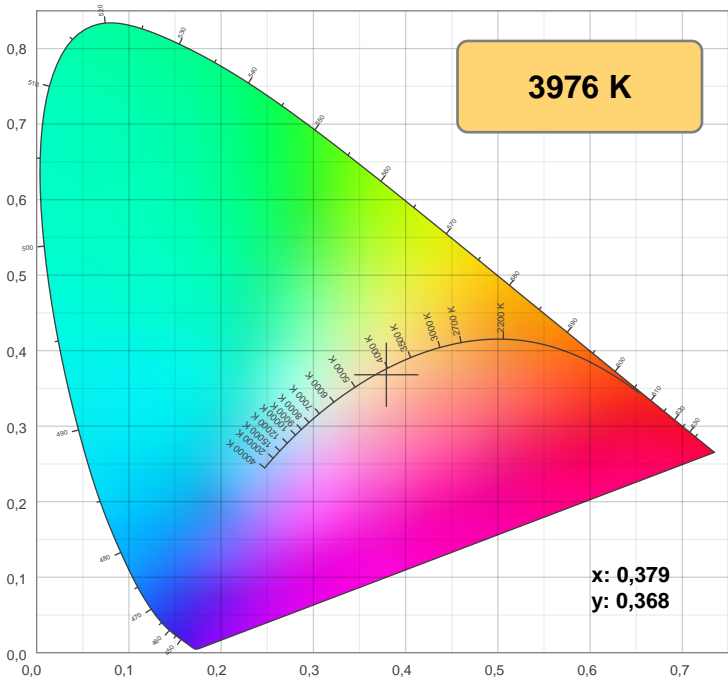
— 3%	6,41m lx
— 5%	10,7m lx
— 10%	21,4m lx
— 30%	64,1m lx
— 50%	0,107 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 0,214 lx

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

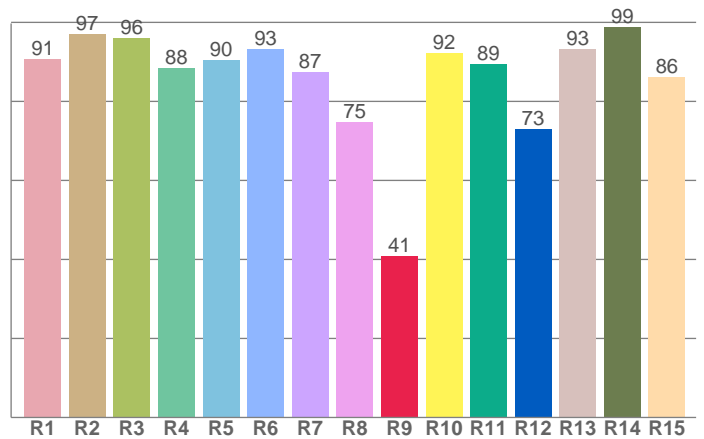
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 89,8 (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
90,8	97,1	96,0	88,5	90,4	93,2	87,5	74,7	40,8	92,2	89,4	73,0	93,3	98,9	86,1

Color parameters

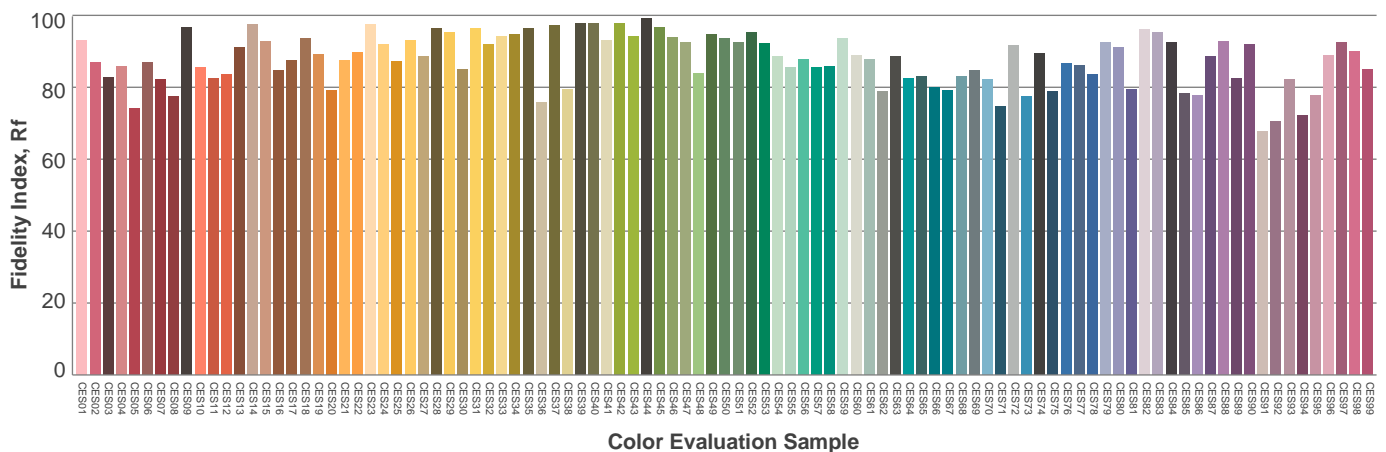
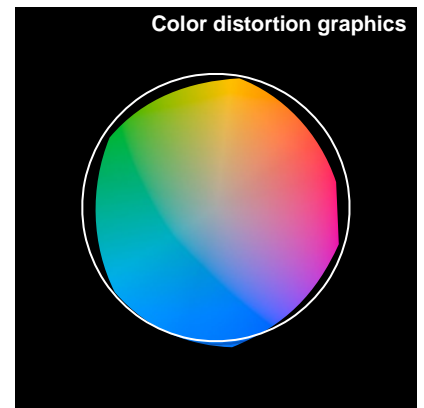
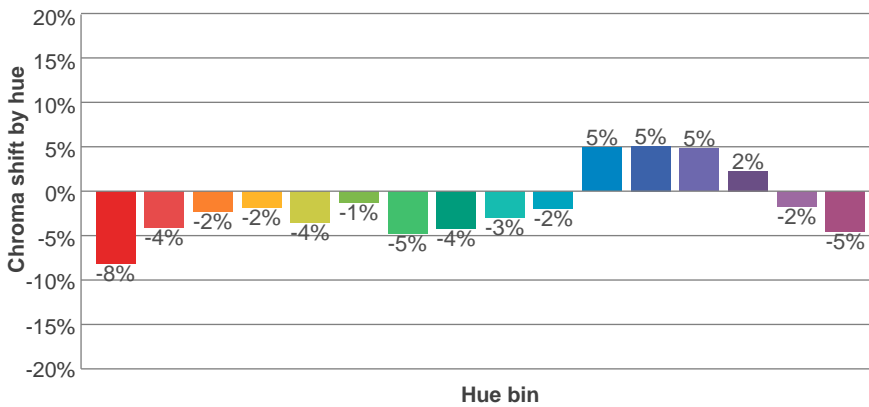
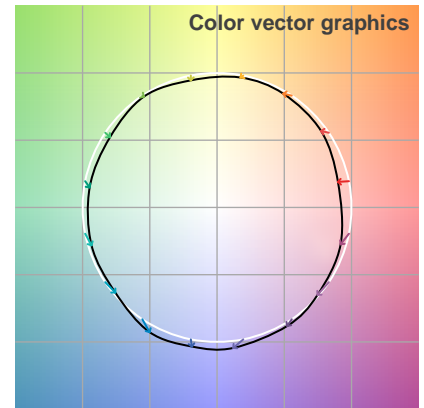
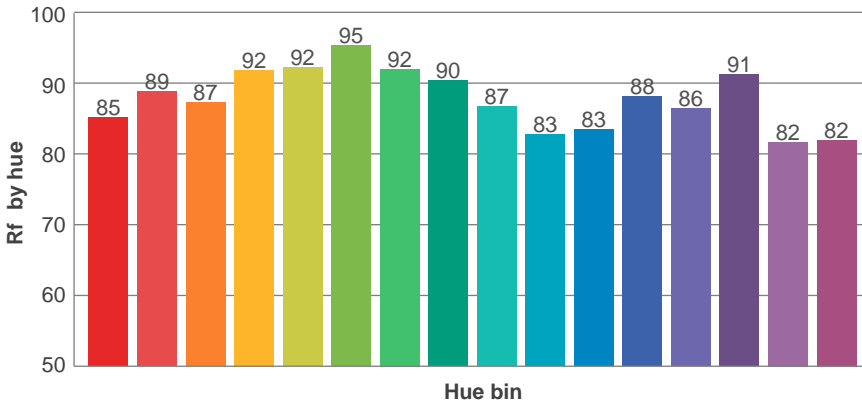
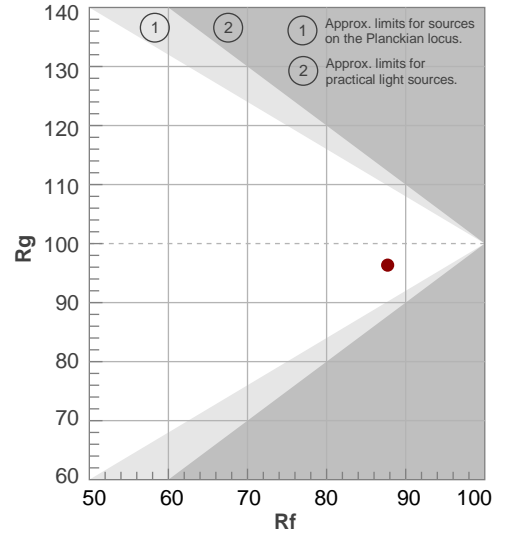
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3976 K	89,8	40,8	87,7	96,3	87,7	0,379	0,368	0,228	0,332	-0,0037

TM-30 details

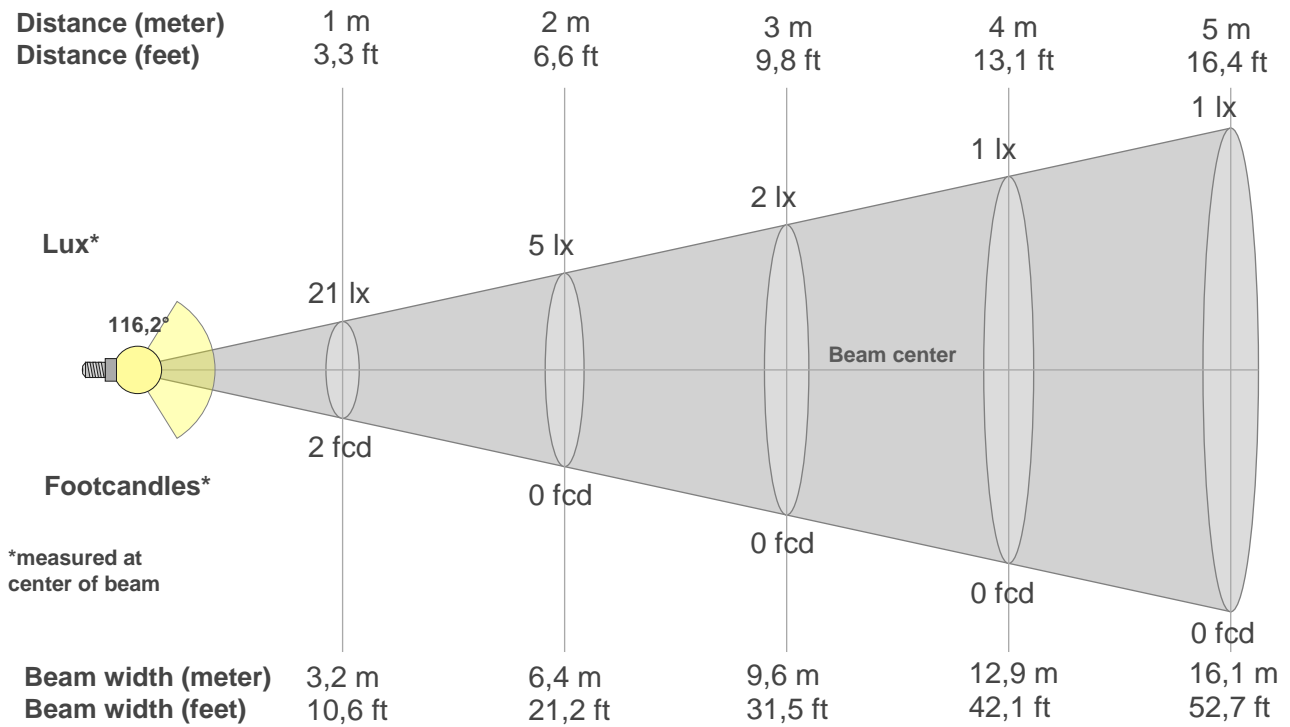
Rf 87,7
Fidelity index Rf

Rg 96,3
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	85	-8%	1%
2	89	-4%	4%
3	87	-2%	6%
4	92	-2%	2%
5	92	-4%	1%
6	95	-1%	-1%
7	92	-5%	1%
8	90	-4%	4%
9	87	-3%	9%
10	83	-2%	11%
11	83	5%	10%
12	88	5%	2%
13	86	5%	-9%
14	91	2%	-6%
15	82	-2%	-13%
16	82	-5%	-9%



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°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
21,4	21,1	20,2	18,8	16,9	14,6	11,8	8,7	5,3	2,0	0,3	2,0	5,3	8,7	11,8	14,6	16,9	18,8	20,2	21,1
100%	99%	95%	88%	79%	68%	55%	41%	25%	9%	2%	9%	25%	41%	55%	68%	79%	88%	95%	99%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
21,4	21,1	20,4	19,2	17,4	15,1	12,3	9,2	5,7	2,5	1,0	2,5	5,7	9,2	12,3	15,1	17,4	19,2	20,4	21,1
100%	99%	96%	90%	81%	71%	58%	43%	27%	12%	5%	12%	27%	43%	58%	71%	81%	90%	96%	99%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
21,4	21,1	20,2	18,8	16,9	14,6	11,8	8,7	5,3	2,0	0,3	2,0	5,3	8,7	11,8	14,6	16,9	18,8	20,2	21,1
100%	99%	95%	88%	79%	68%	55%	41%	25%	9%	2%	9%	25%	41%	55%	68%	79%	88%	95%	99%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
21,4	21,1	20,4	19,2	17,4	15,1	12,3	9,2	5,7	2,5	1,0	2,5	5,7	9,2	12,3	15,1	17,4	19,2	20,4	21,1
100%	99%	96%	90%	81%	71%	58%	43%	27%	12%	5%	12%	27%	43%	58%	71%	81%	90%	96%	99%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,2°	360°	360°	38,8%	26,1%

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	7,9	8,7	8,8	9,5	10,7	8,0	8,9	8,9	9,7	10,9
	3H	9,3	10,1	10,3	10,9	12,0	9,6	10,3	10,5	11,2	12,3
	4H	9,9	10,6	10,8	11,5	12,6	10,2	10,9	11,1	11,8	12,9
	6H	10,2	10,8	11,1	11,8	12,9	10,6	11,2	11,5	12,2	13,3
	8H	10,3	11,0	11,2	11,9	13,0	10,8	11,4	11,7	12,3	13,4
	12H	10,4	11,1	11,3	11,9	13,0	10,9	11,7	11,8	12,4	13,6
4H	2H	8,4	9,1	9,4	10,0	11,1	8,6	9,3	9,5	10,2	11,3
	3H	10,1	10,9	11,0	11,6	12,8	10,3	11,1	11,2	11,8	13,0
	4H	10,7	11,7	11,7	12,2	13,4	10,9	11,9	11,9	12,5	13,6
	6H	11,1	11,7	12,1	12,6	13,7	11,5	12,1	12,5	12,9	14,0
	8H	11,3	11,7	12,3	12,7	13,8	11,7	12,1	12,7	13,1	14,2
	12H	11,3	11,7	12,3	12,7	13,8	11,9	12,2	12,8	13,2	14,3
8H	4H	10,9	11,3	11,9	12,3	13,4	11,1	11,6	12,1	12,5	13,6
	6H	11,5	11,8	12,5	12,8	14,0	11,8	12,1	12,8	13,2	14,3
	8H	11,7	11,9	12,7	13,0	14,2	12,1	12,3	13,1	13,4	14,6
	12H	11,8	12,0	12,9	13,1	14,2	12,3	12,6	13,4	13,6	14,8
12H	4H	10,9	11,2	11,9	12,2	13,4	11,1	11,4	12,1	12,5	13,6
	6H	11,5	11,8	12,5	12,8	14,0	11,8	12,1	12,8	13,1	14,3
	8H	11,7	12,0	12,8	13,0	14,2	12,1	12,4	13,2	13,4	14,6
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 / -0,5					0,4 / -0,4					
Standard table	n/a					n/a					
Correction summand	n/a					n/a					
Corrected glare indices referring to 128 lm total luminous flux											

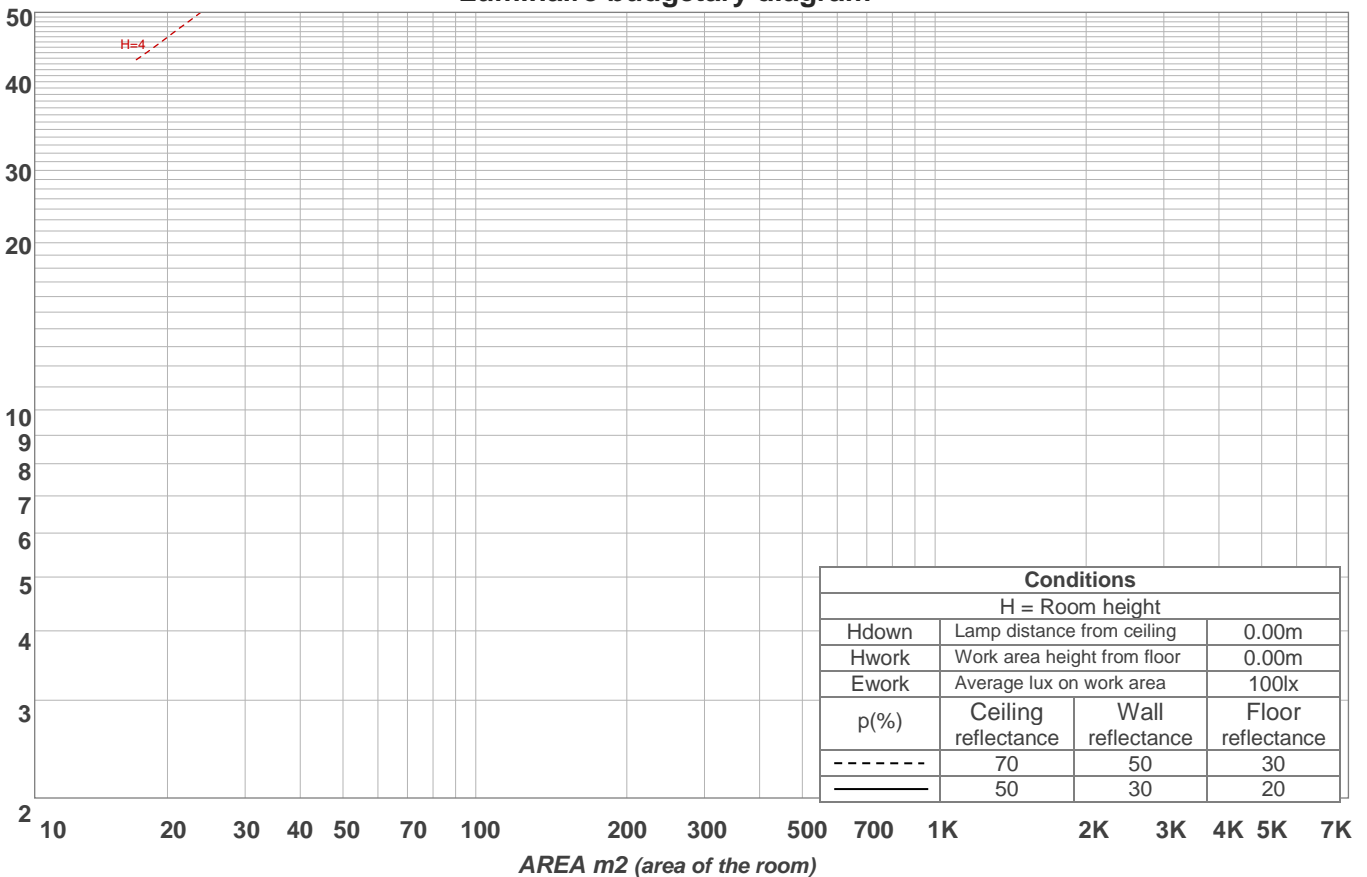
Light planning

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	20
RCR	(RCR: Room Cavity Ratio)																	
	Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	73	70	68	60	59	57	49	48	47	41
2	89	81	75	69	81	75	69	65	63	59	56	53	50	47	43	41	39	34
3	81	71	63	57	74	66	59	54	56	51	47	46	43	40	38	35	33	29
4	74	63	55	48	68	58	51	45	49	44	39	41	37	34	34	31	28	24
5	67	56	47	41	62	52	44	39	44	38	34	37	32	29	30	27	24	21
6	62	50	42	36	57	46	39	34	39	34	29	33	29	25	27	24	21	18
7	57	45	37	31	53	42	34	29	36	30	26	30	26	22	25	21	19	16
8	53	41	33	27	49	38	31	26	32	27	23	27	23	20	23	19	17	14
9	49	37	29	24	46	35	28	23	30	24	20	25	21	18	21	18	15	13
10	46	34	27	22	43	32	25	21	27	22	18	23	19	16	19	16	14	12

LAMPS (number of lamps)

Luminaire budgetary diagram

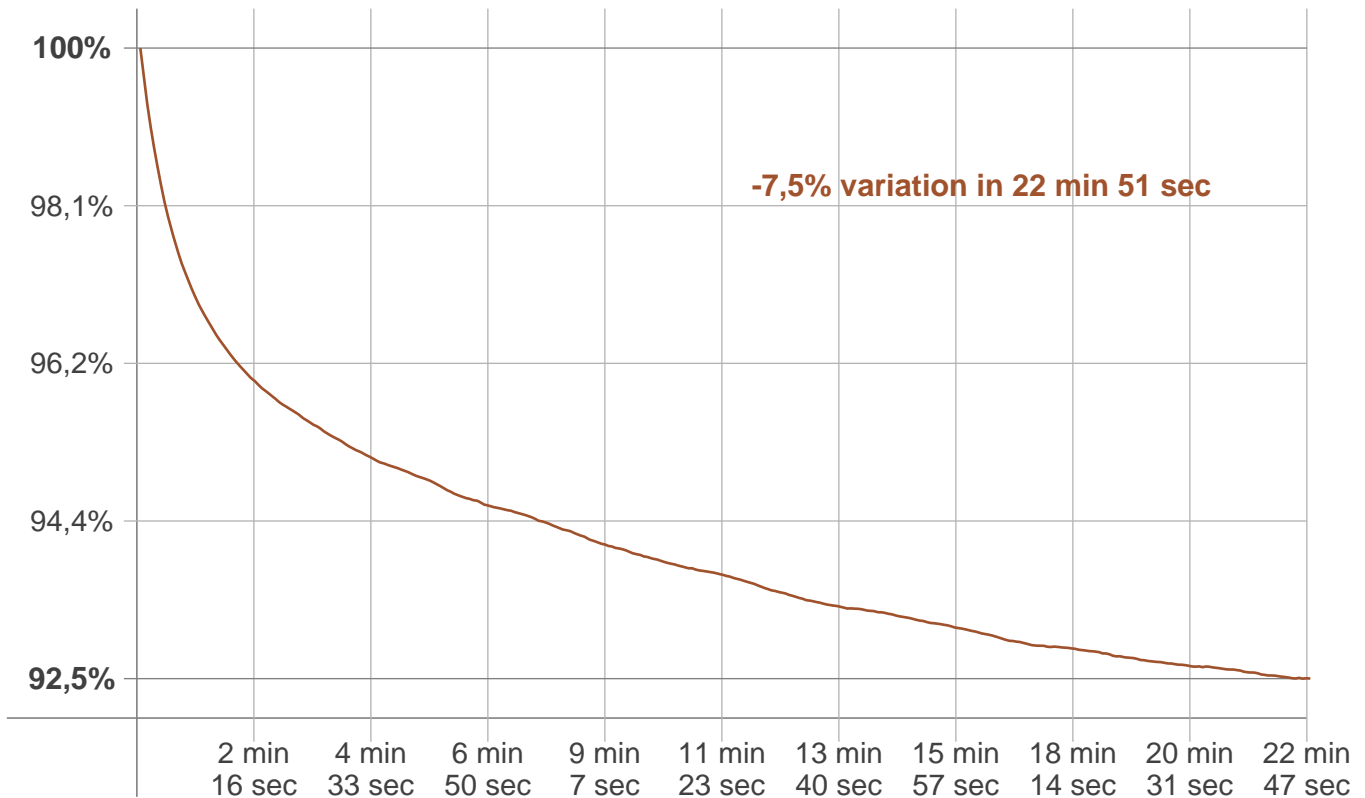


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
2,02 lm	5,82 lm	8,91 lm	10,9 lm	11,4 lm	10,5 lm	8,10 lm	4,65 lm	1,51 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
1,52 lm	4,65 lm	8,10 lm	10,5 lm	11,4 lm	10,9 lm	8,91 lm	5,82 lm	2,02 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	22 min 51 sec
Warmup variation	-7,9%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3900 K	+76 K	3976 K

Output change

Output start	Output change	Output end
137 lm	-9 lm	128 lm