

Light efficiency:

108 Lumen/Watt

Light quality:

CRI: 87,0

Color temperature:

4320 K

Output: 5928 lm

Peak: 3902 cd

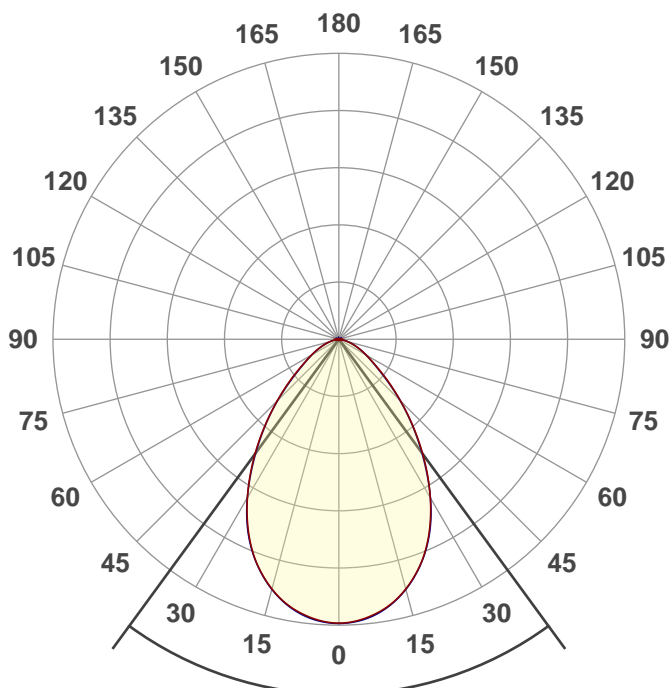
Power: 54,9 W

PF: 0,99



Product name:

E0797-KT6382-CCT-WH-59W-4K



Beam angle

72,3°

THD Values:

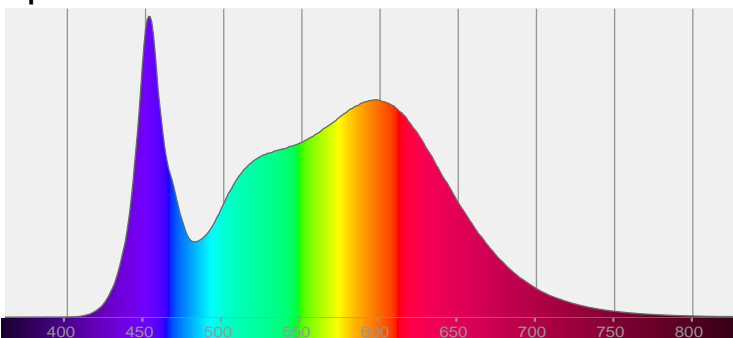
Voltage: 2,18%

Current: 8,9%

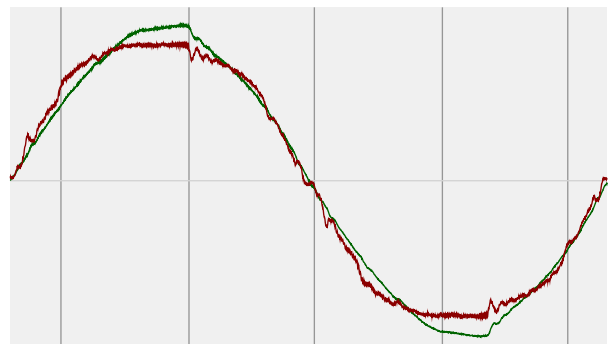


CIE 1931
x: 0,366
y: 0,362

Spectra



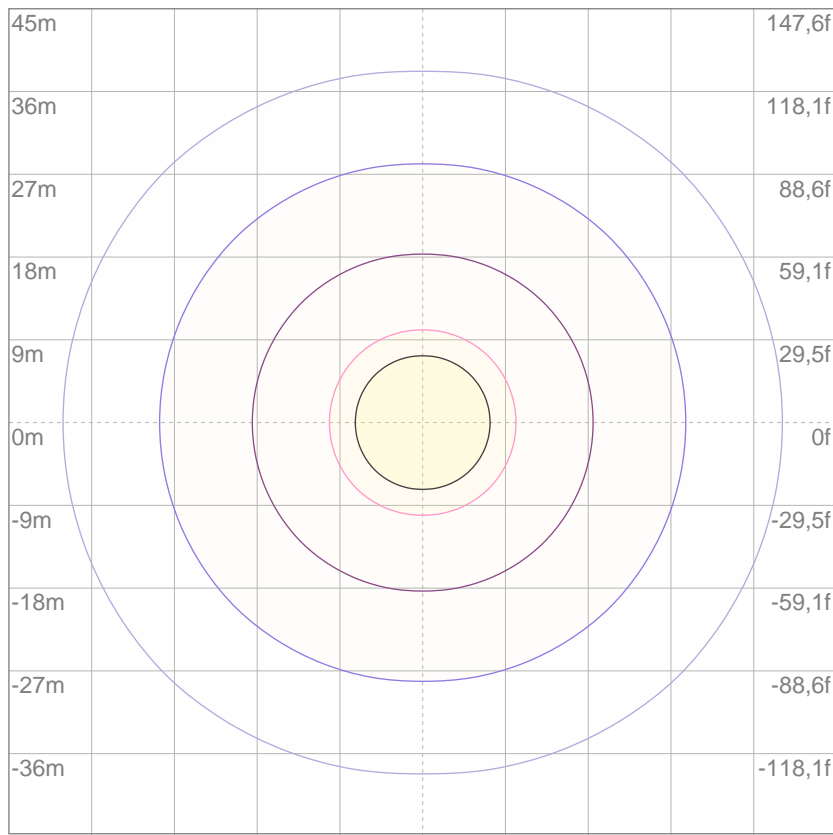
Power



Voltage: 113 V
Current: 0,489 A
Frequency: 60,1 Hz

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	1,17 lx
5%	1,95 lx
10%	3,89 lx
30%	11,7 lx
50%	19,5 lx

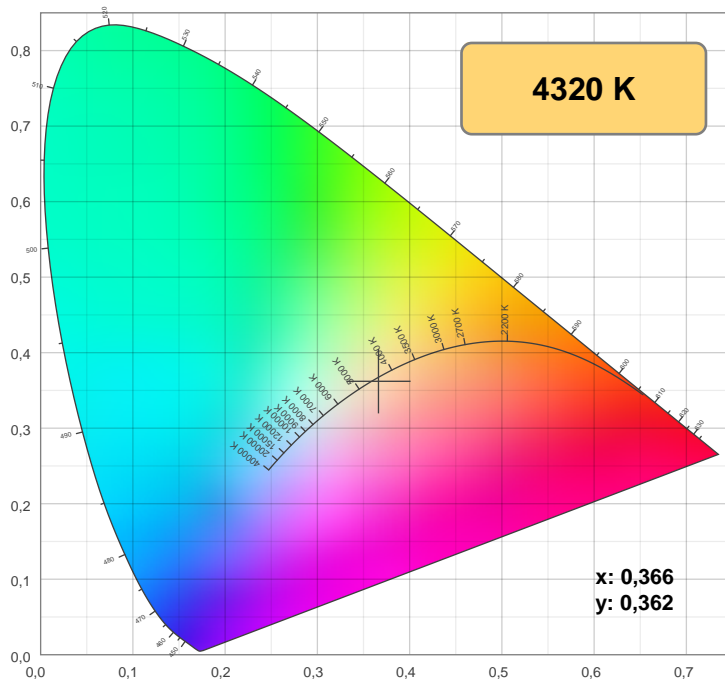
Conditions:

Number of c-planes: 8

Lux at center: 38,9 lx

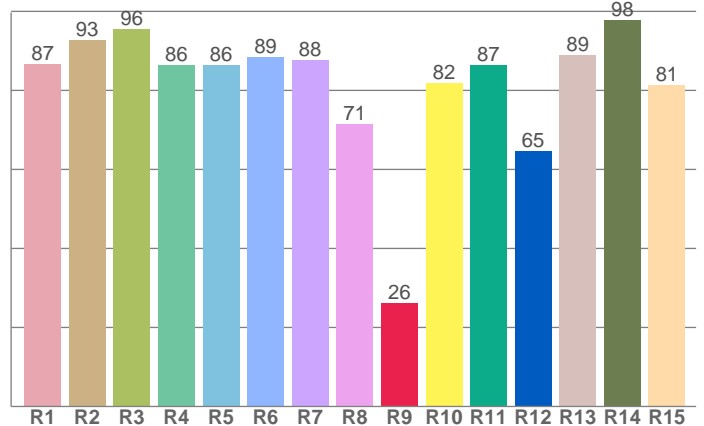
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Color details



CIE 1931

CRI: 87,0 (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
86,8	92,8	95,5	86,4	86,4	88,5	87,8	71,4	26,1	81,9	86,5	64,6	88,8	97,9	81,5

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
4320 K	87,0	26,1	85,6	97,2	84,5	0,366	0,362	0,222	0,329	-0,0026

TM-30 details

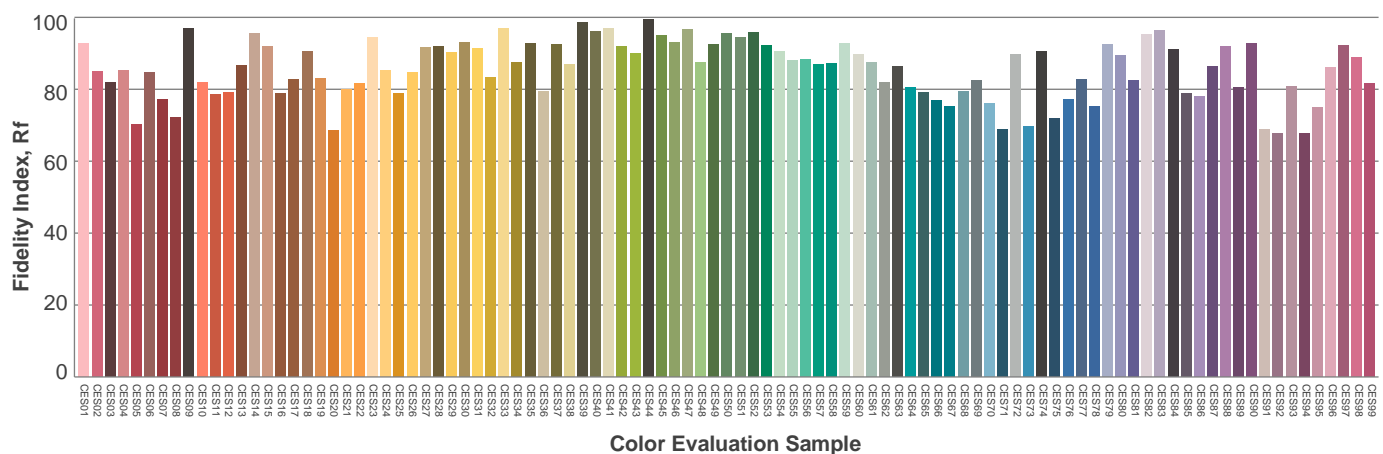
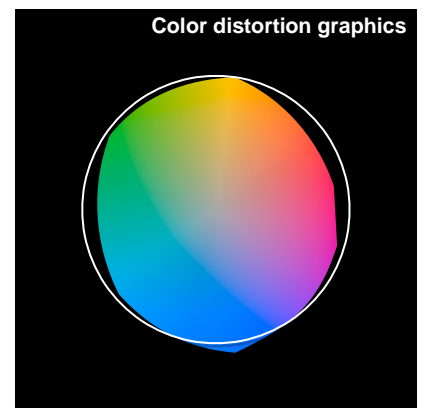
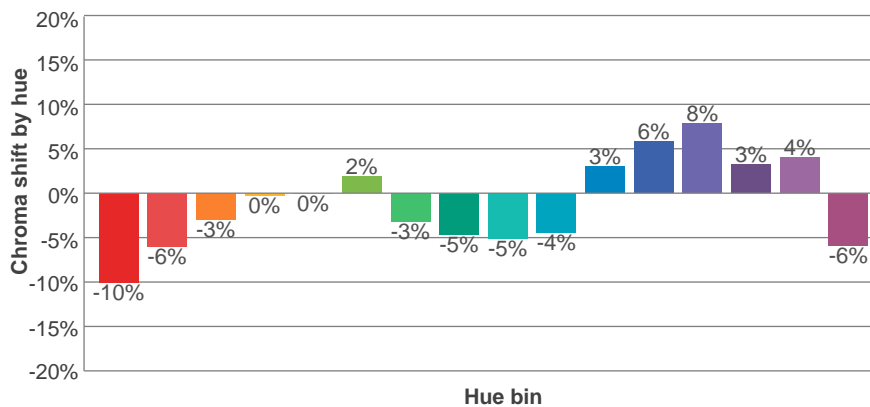
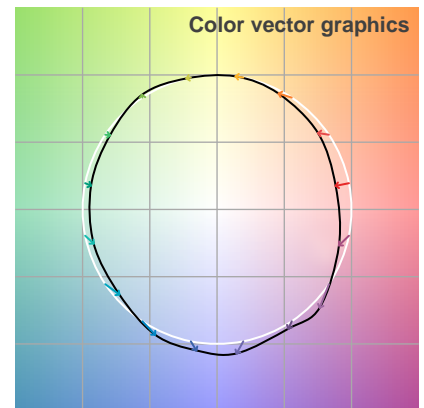
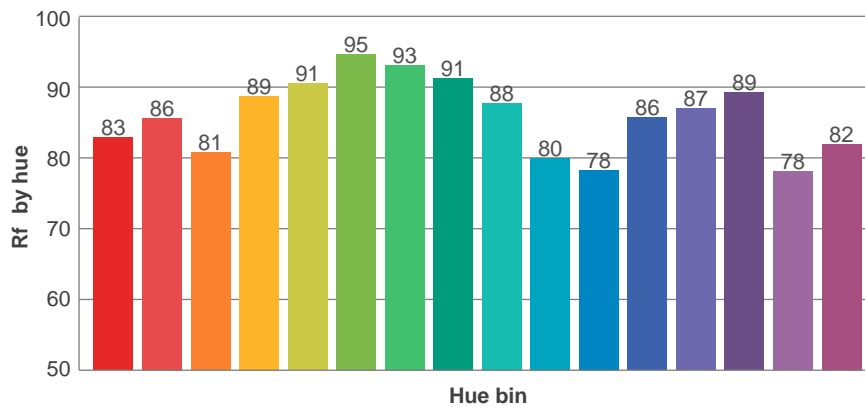
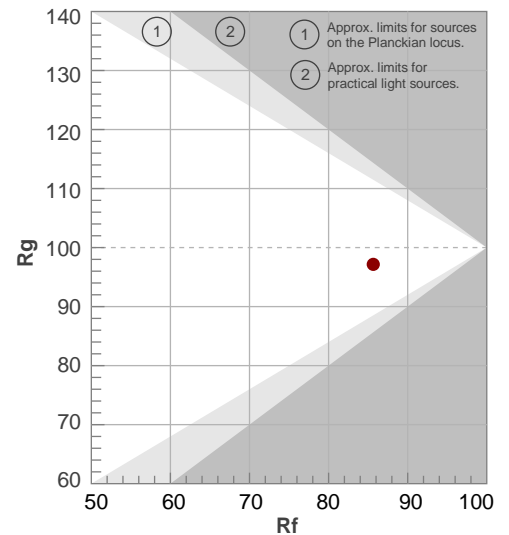
Rf 85,6

Fidelity index Rf

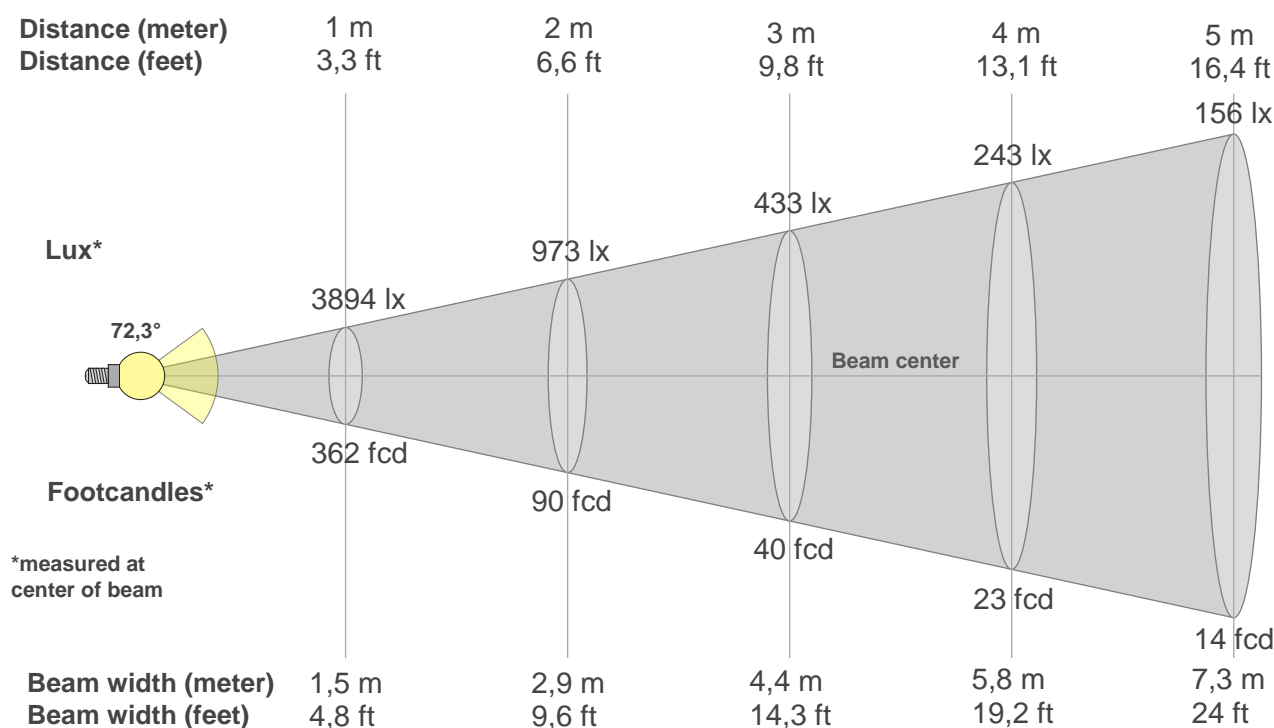
Rg 97,2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	83	-10%	0%
2	86	-6%	6%
3	81	-3%	10%
4	89	0%	6%
5	91	0%	3%
6	95	2%	-1%
7	93	-3%	-2%
8	91	-5%	1%
9	88	-5%	7%
10	80	-4%	12%
11	78	3%	13%
12	86	6%	5%
13	87	8%	-7%
14	89	3%	-5%
15	78	4%	-18%
16	82	-6%	-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
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
3894	3854	3741	3549	3283	2932	2511	2059	1610	1199	861	603	434	311	208	127	62	22	1	0
100%	99%	96%	91%	84%	75%	64%	53%	41%	31%	22%	15%	11%	8%	5%	3%	2%	1%	0%	0%

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°
3894	3865	3749	3555	3287	2943	2513	2039	1595	1186	830	583	425	303	203	122	56	16	0	0
100%	99%	96%	91%	84%	76%	65%	52%	41%	30%	21%	15%	11%	8%	5%	3%	1%	0%	0%	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°
3894	3854	3741	3549	3283	2932	2511	2059	1610	1199	861	603	434	311	208	127	62	22	1	0
100%	99%	96%	91%	84%	75%	64%	53%	41%	31%	22%	15%	11%	8%	5%	3%	2%	1%	0%	0%

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°
3894	3865	3749	3555	3287	2943	2513	2039	1595	1186	830	583	425	303	203	122	56	16	0	0
100%	99%	96%	91%	84%	76%	65%	52%	41%	30%	21%	15%	11%	8%	5%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
72,3°	123,2°	154,1°	92,0%	75,8%

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	27,5	28,4	27,6	28,7	28,9	27,4	28,3	27,5	28,6	28,8
	3H	27,9	28,9	28,3	29,2	29,4	27,8	28,8	28,2	29,1	29,3
	4H	28,1	29,1	28,5	29,3	29,6	28,0	29,0	28,4	29,2	29,5
	6H	28,3	29,1	28,6	29,4	29,7	28,1	29,0	28,4	29,3	29,6
	8H	28,2	29,0	28,6	29,4	29,8	28,1	28,9	28,5	29,2	29,6
	12H	28,2	29,0	28,6	29,3	29,8	28,1	28,9	28,4	29,2	29,6
4H	2H	27,6	28,6	28,0	28,8	29,1	27,5	28,5	27,9	28,7	29,0
	3H	28,4	29,1	28,7	29,5	29,9	28,3	29,1	28,6	29,4	29,8
	4H	28,6	29,3	29,0	29,7	30,2	28,5	29,2	28,9	29,6	30,1
	6H	28,7	29,4	29,2	29,8	30,1	28,6	29,3	29,1	29,7	30,0
	8H	28,7	29,4	29,2	29,7	30,1	28,6	29,3	29,1	29,6	30,0
	12H	28,7	29,2	29,2	29,7	30,1	28,6	29,1	29,1	29,5	30,0
8H	4H	28,6	29,3	29,1	29,6	30,0	28,5	29,2	29,0	29,5	29,9
	6H	28,9	29,3	29,4	29,8	30,3	28,8	29,2	29,3	29,7	30,2
	8H	28,9	29,3	29,5	29,8	30,5	28,8	29,2	29,3	29,7	30,4
	12H	28,9	29,3	29,5	29,8	30,4	28,8	29,1	29,4	29,6	30,2
12H	4H	28,6	29,1	29,1	29,5	30,0	28,5	29,0	29,0	29,4	29,9
	6H	28,9	29,3	29,4	29,8	30,4	28,8	29,2	29,3	29,7	30,3
	8H	28,9	29,3	29,5	29,8	30,4	28,8	29,1	29,4	29,6	30,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,4 / -0,7					0,4 / -0,8				
S = 1.5H		1,2 / -1,4					1,2 / -1,4				
S = 2.0H		2,3 / -2,1					2,3 / -2,1				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 5928 lm total luminous flux											

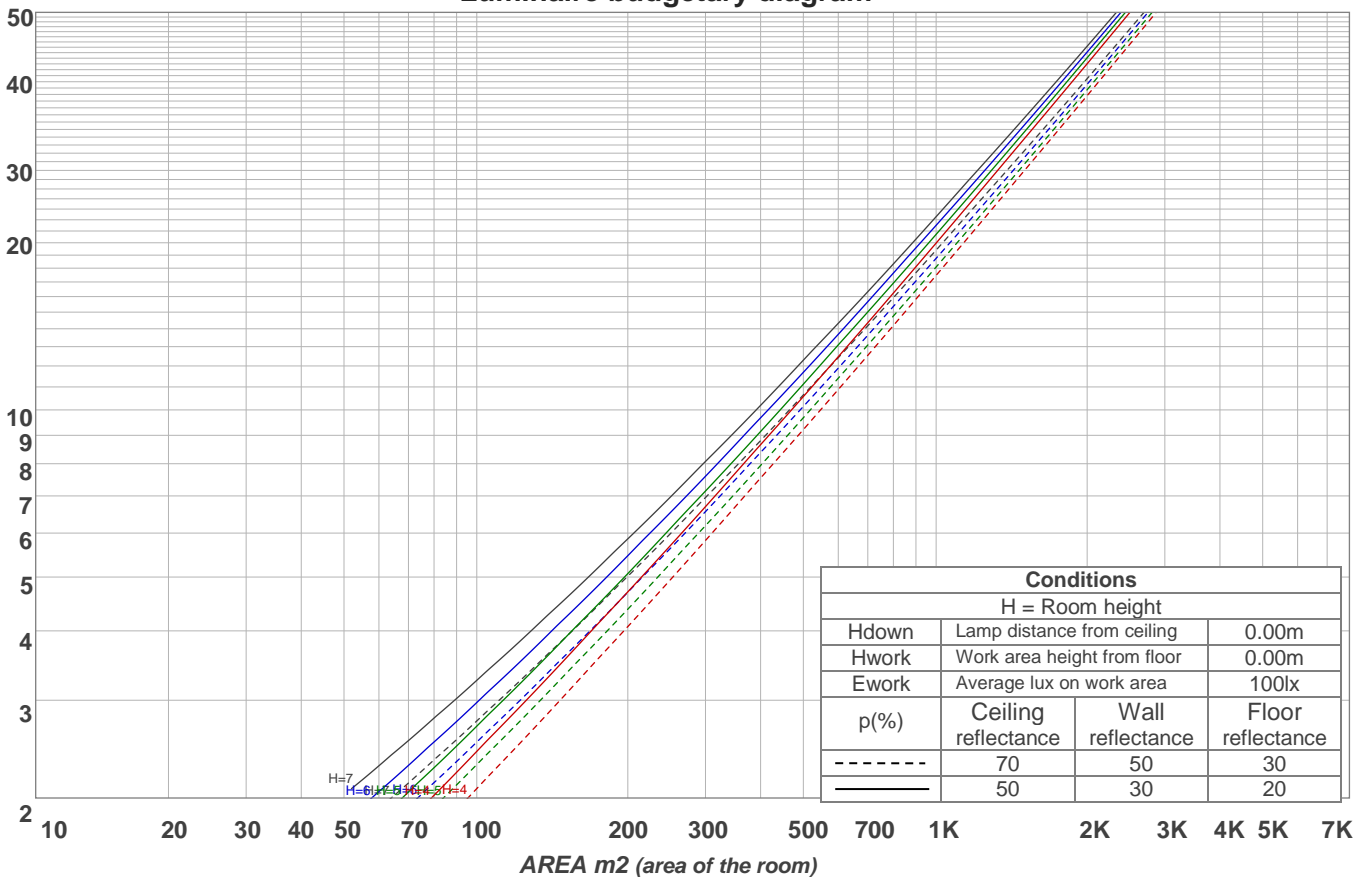
Light planning

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79
3	96	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	77	71	66	74	69	65	72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

LAMPS (number of lamps)

Luminaire budgetary diagram

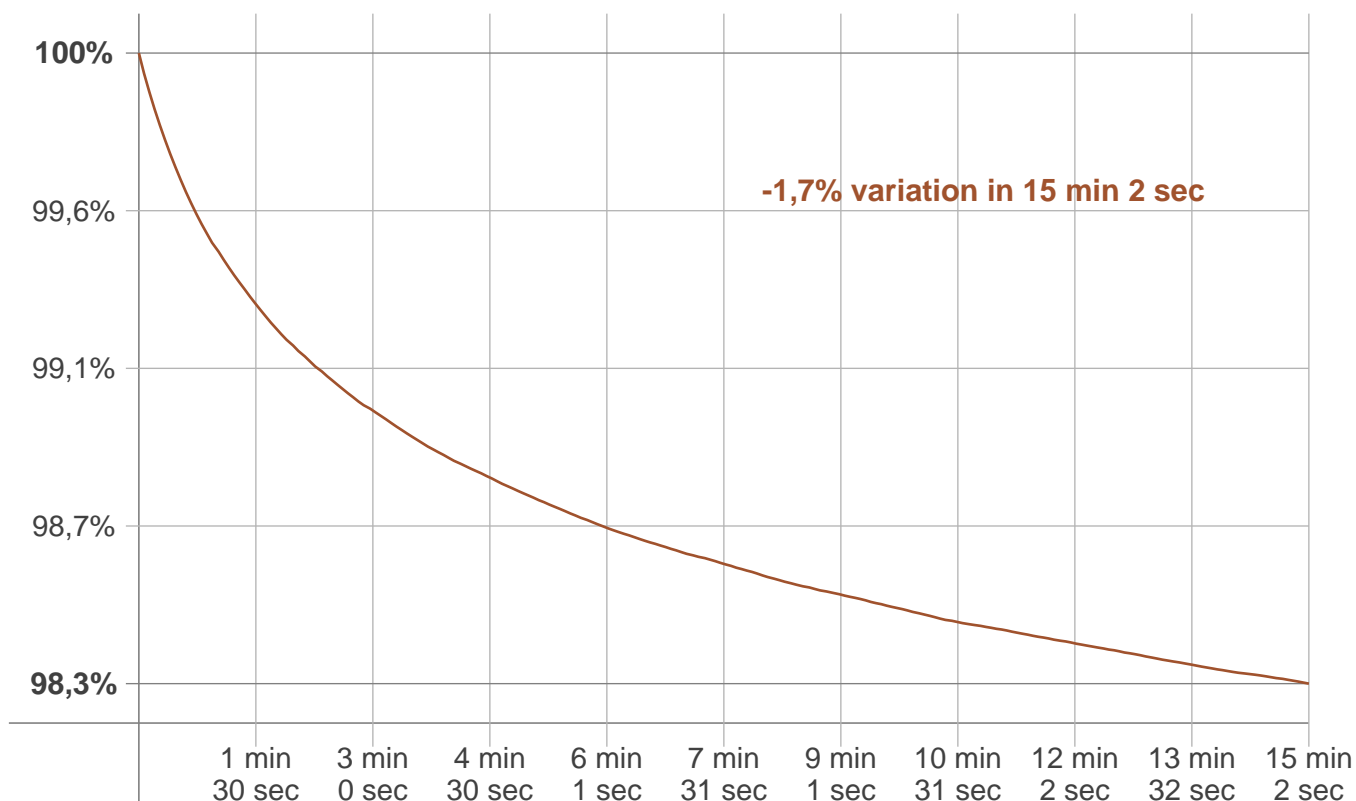


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
364 lm	995 lm	1340 lm	1279 lm	927 lm	548 lm	308 lm	135 lm	25,8 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,254 lm	0,363 lm	0,558 lm	0,774 lm	0,924 lm	0,938 lm	0,791 lm	0,523 lm	0,183 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 2 sec
Warmup variation	-1,7%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4336 K	-16 K	4320 K

Output change

Output start	Output change	Output end
6024 lm	-97 lm	5928 lm