

Light efficiency:

109 Lumen/Watt

Light quality:

CRI: 86,0

Color temperature:

3391 K

Output: 4711 lm

Peak: 3105 cd

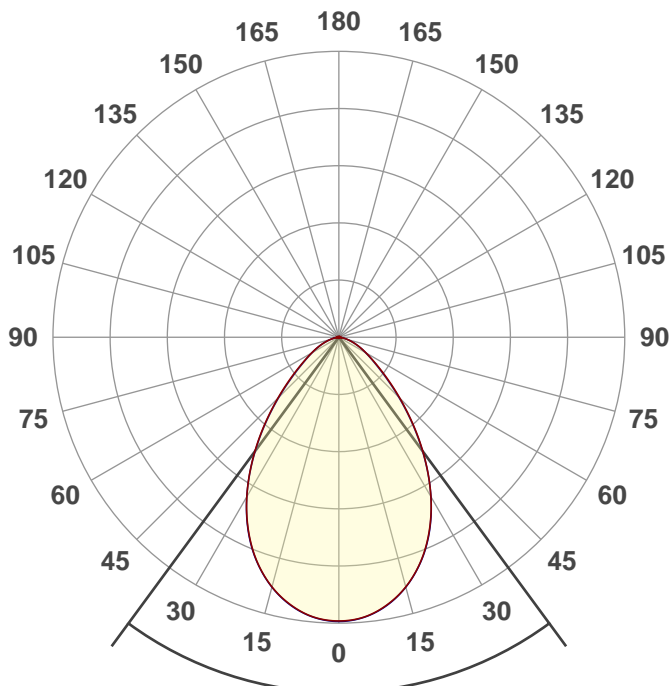
Power: 43,2 W

PF: 1,0



Product name:

E0792-KT6382-CCT-WH-46W-3.5K



Beam angle

72,7°

THD Values:

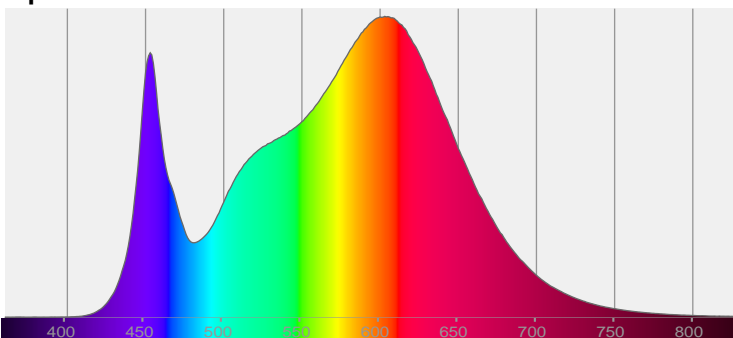
Voltage: 2,53%

Current: 5,85%

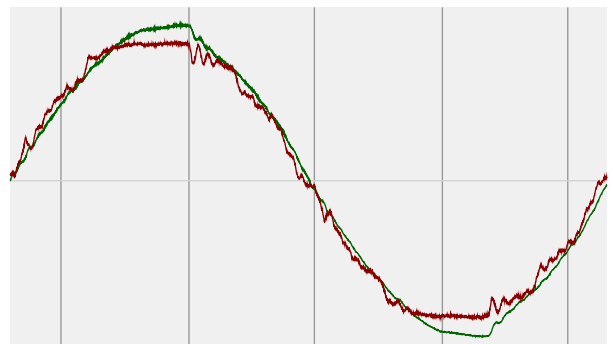


CIE 1931
x: 0,407
y: 0,383

Spectra



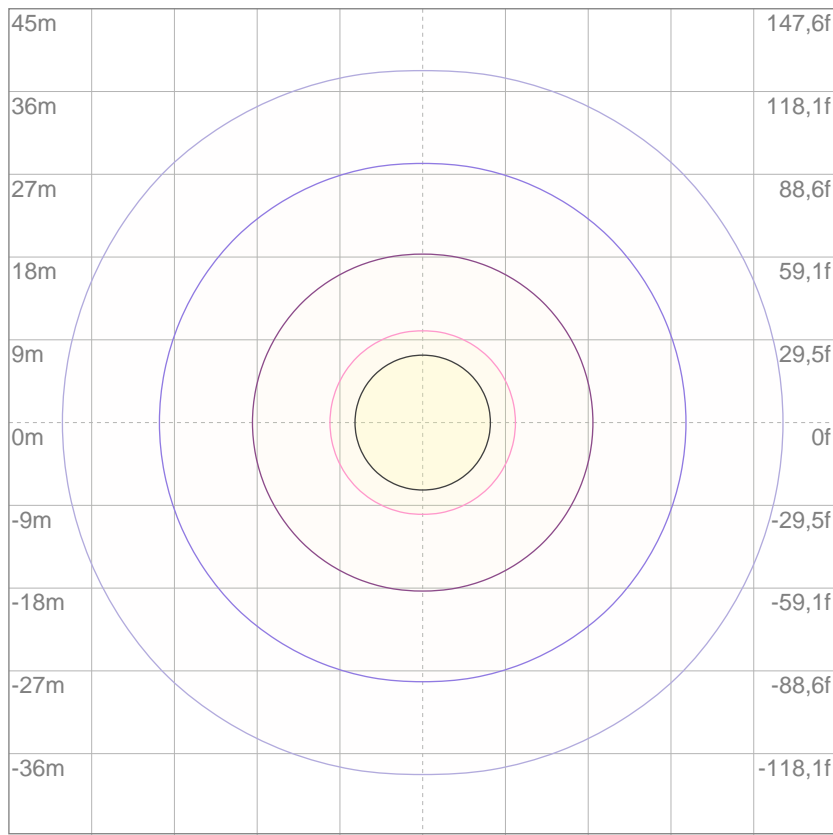
Power



Voltage: 112 V
Current: 0,386 A
Frequency: 60,1 Hz

ISO Diagrams

ISO lux diagram



3%	0,929 lx
5%	1,55 lx
10%	3,10 lx
30%	9,29 lx
50%	15,5 lx

Conditions:

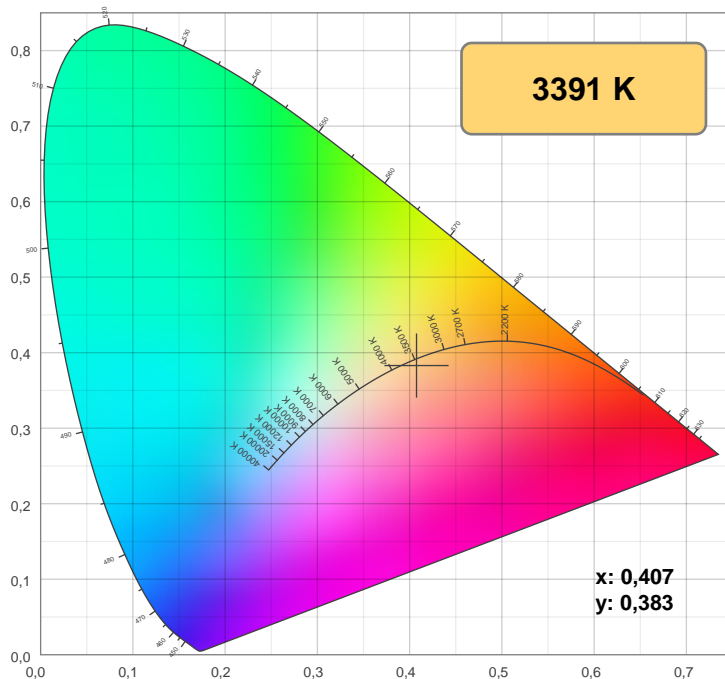
Number of c-planes: 8

Lux at center: 31,0 lx

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

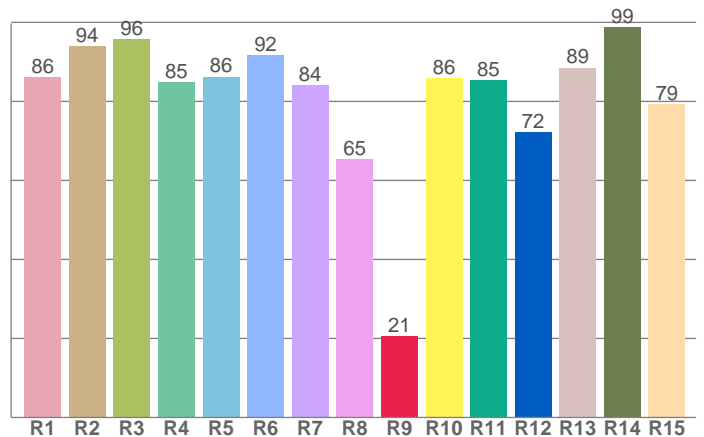
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 86,0 (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
86,1	94,1	95,8	84,8	86,3	91,7	84,1	65,5	20,6	85,8	85,3	72,4	88,6	98,7	79,4

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
3391 K	86,0	20,6	85,9	97,2	84,1	0,407	0,383	0,240	0,339	-0,0039

TM-30 details

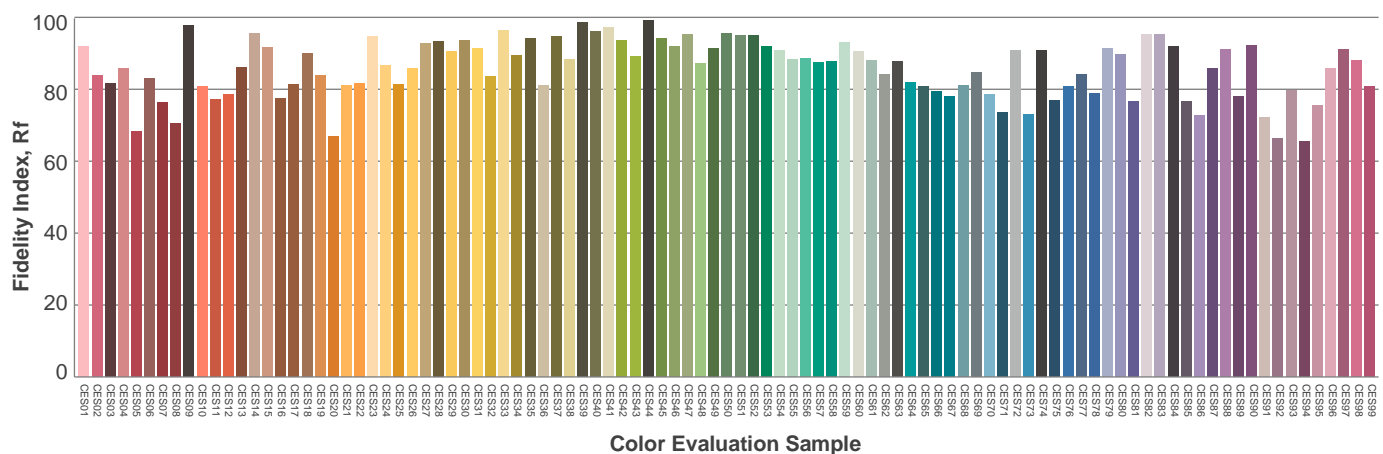
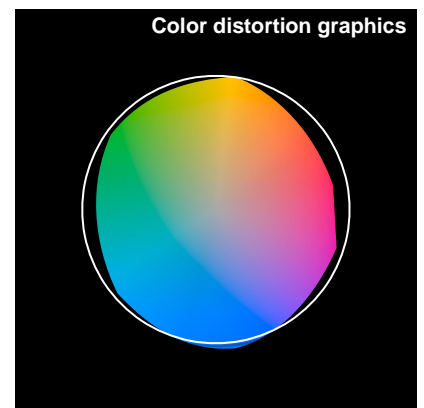
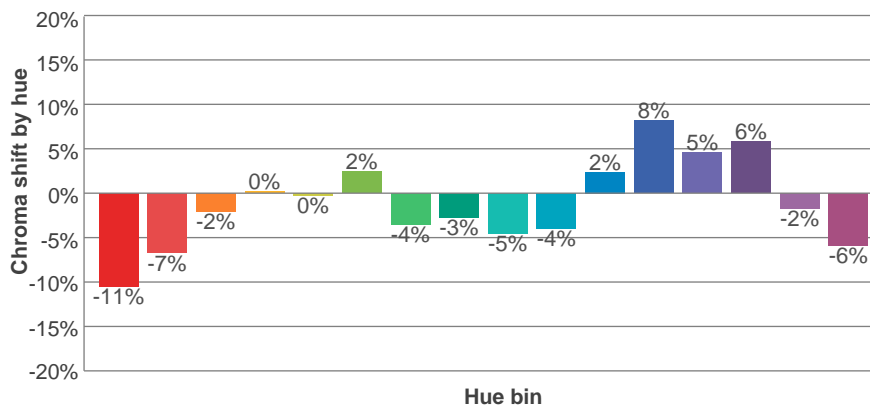
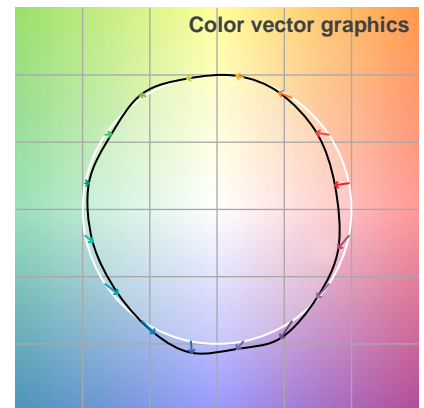
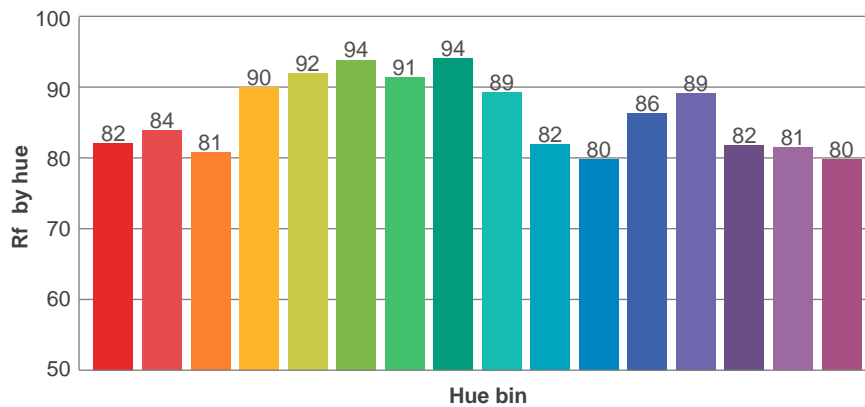
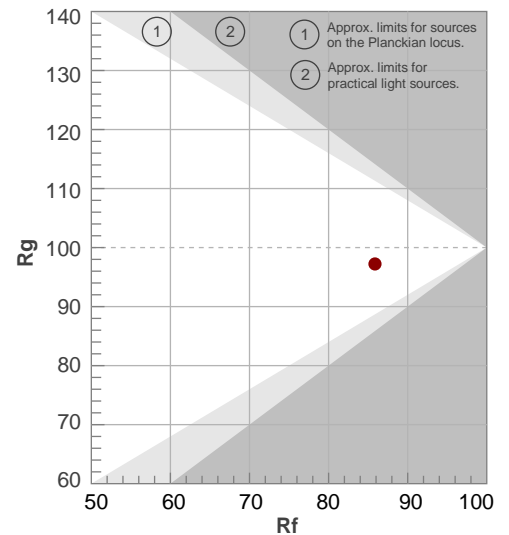
Rf 85,9

Fidelity index Rf

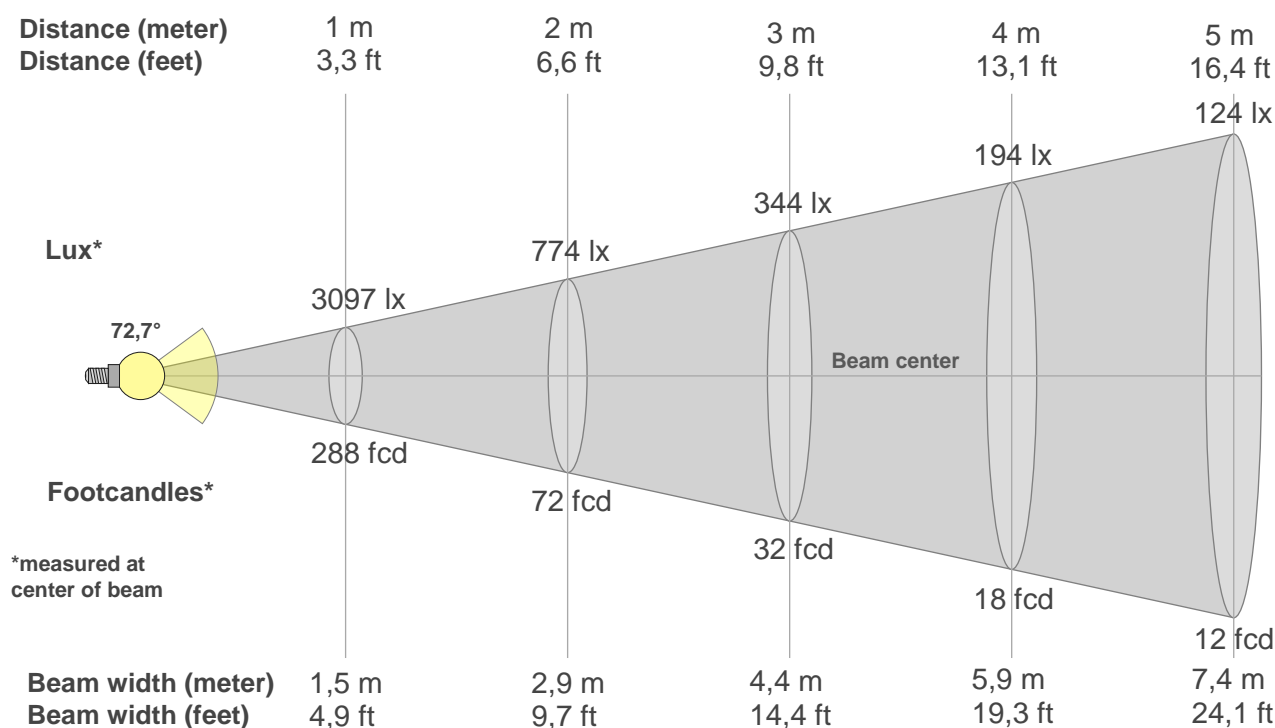
Rg 97,2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-11%	1%
2	84	-7%	6%
3	81	-2%	10%
4	90	0%	5%
5	92	0%	3%
6	94	2%	-2%
7	91	-4%	-3%
8	94	-3%	-1%
9	89	-5%	5%
10	82	-4%	11%
11	80	2%	12%
12	86	8%	3%
13	89	5%	-6%
14	82	6%	-14%
15	81	-2%	-13%
16	80	-6%	-11%



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°
3097	3071	2975	2824	2610	2336	2011	1648	1281	944	673	478	344	247	166	101	50	18	1	0
100%	99%	96%	91%	84%	75%	65%	53%	41%	30%	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°
3097	3074	2980	2826	2613	2341	2011	1642	1269	927	650	462	338	242	162	97	45	13	0	0
100%	99%	96%	91%	84%	76%	65%	53%	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°
3097	3071	2975	2824	2610	2336	2011	1648	1281	944	673	478	344	247	166	101	50	18	1	0
100%	99%	96%	91%	84%	75%	65%	53%	41%	30%	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°
3097	3074	2980	2826	2613	2341	2011	1642	1269	927	650	462	338	242	162	97	45	13	0	0
100%	99%	96%	91%	84%	76%	65%	53%	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
72,7°	123,1°	154,1°	92,0%	76,0%

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	26,6	27,6	26,8	27,8	28,0	26,5	27,5	26,7	27,7	28,0
	3H	27,1	28,1	27,5	28,3	28,5	27,0	28,0	27,4	28,2	28,4
	4H	27,3	28,2	27,7	28,5	28,7	27,2	28,1	27,6	28,4	28,6
	6H	27,4	28,3	27,7	28,5	28,9	27,3	28,1	27,6	28,4	28,8
	8H	27,4	28,2	27,8	28,5	28,9	27,3	28,1	27,6	28,4	28,8
	12H	27,4	28,2	27,8	28,5	29,0	27,3	28,0	27,6	28,4	28,8
4H	2H	26,8	27,7	27,2	28,0	28,2	26,7	27,7	27,1	27,9	28,2
	3H	27,5	28,3	27,9	28,7	29,1	27,5	28,2	27,8	28,6	29,0
	4H	27,7	28,5	28,2	28,9	29,4	27,7	28,4	28,1	28,8	29,3
	6H	27,9	28,6	28,4	29,0	29,3	27,8	28,5	28,3	28,8	29,2
	8H	27,9	28,6	28,4	28,9	29,3	27,8	28,4	28,3	28,8	29,2
	12H	27,9	28,4	28,4	28,8	29,3	27,8	28,3	28,3	28,7	29,2
8H	4H	27,8	28,4	28,3	28,8	29,2	27,7	28,4	28,2	28,7	29,1
	6H	28,0	28,5	28,5	29,0	29,5	27,9	28,4	28,4	28,9	29,4
	8H	28,1	28,5	28,6	29,0	29,7	28,0	28,4	28,5	28,9	29,5
	12H	28,1	28,5	28,7	29,0	29,6	28,0	28,3	28,6	28,8	29,4
12H	4H	27,8	28,3	28,3	28,7	29,2	27,7	28,2	28,2	28,6	29,1
	6H	28,1	28,4	28,6	29,0	29,6	28,0	28,4	28,5	28,9	29,5
	8H	28,1	28,4	28,7	28,9	29,6	28,0	28,3	28,6	28,8	29,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,4 / -0,7					0,5 / -0,8				
S = 1.5H		1,2 / -1,4					1,3 / -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 4711 lm total luminous flux											

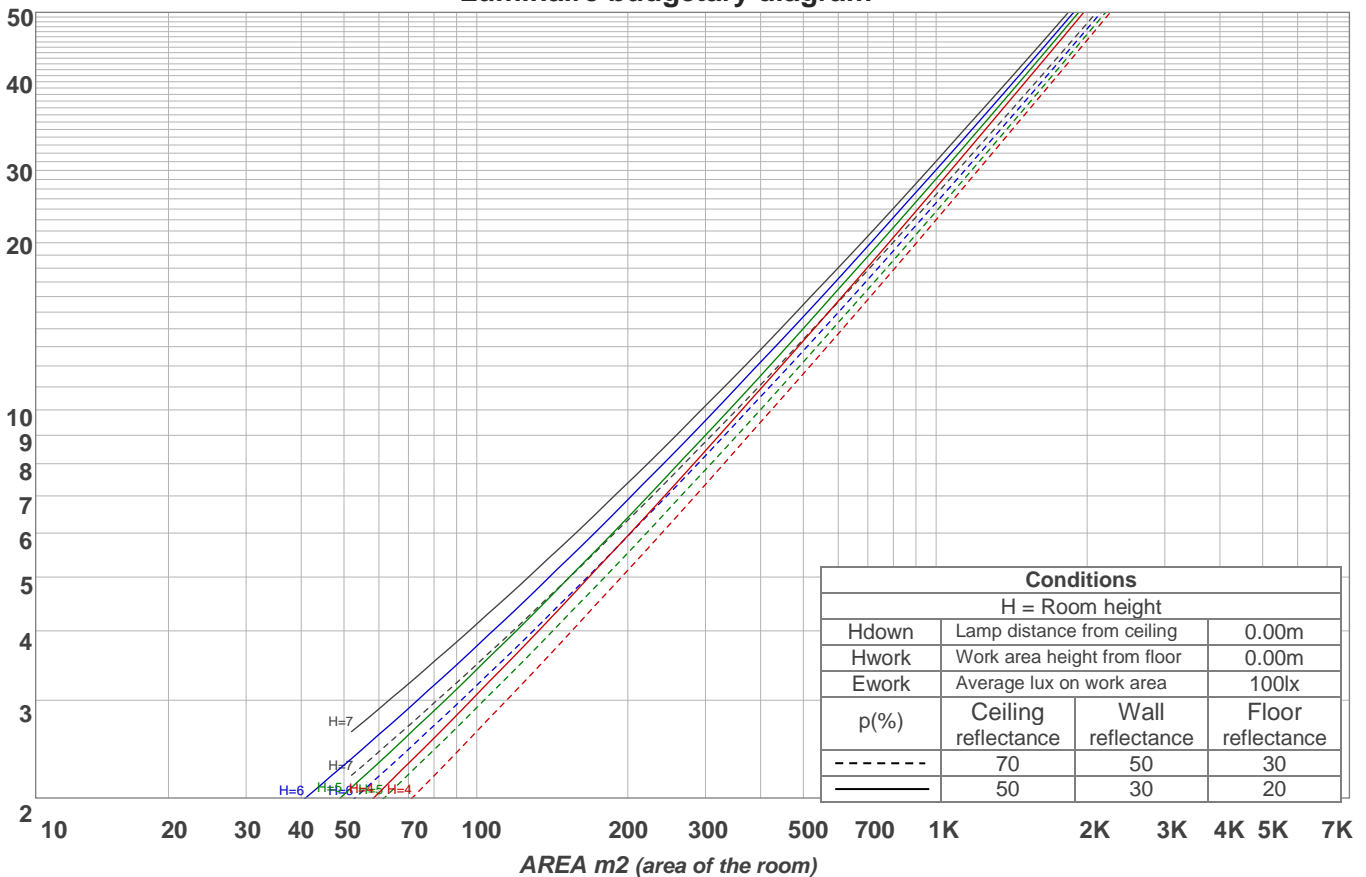
Light planning

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	85	89	86	83	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	68	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	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
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	48	42	38	47	41	38	36

LAMPS (number of lamps)

Luminaire budgetary diagram

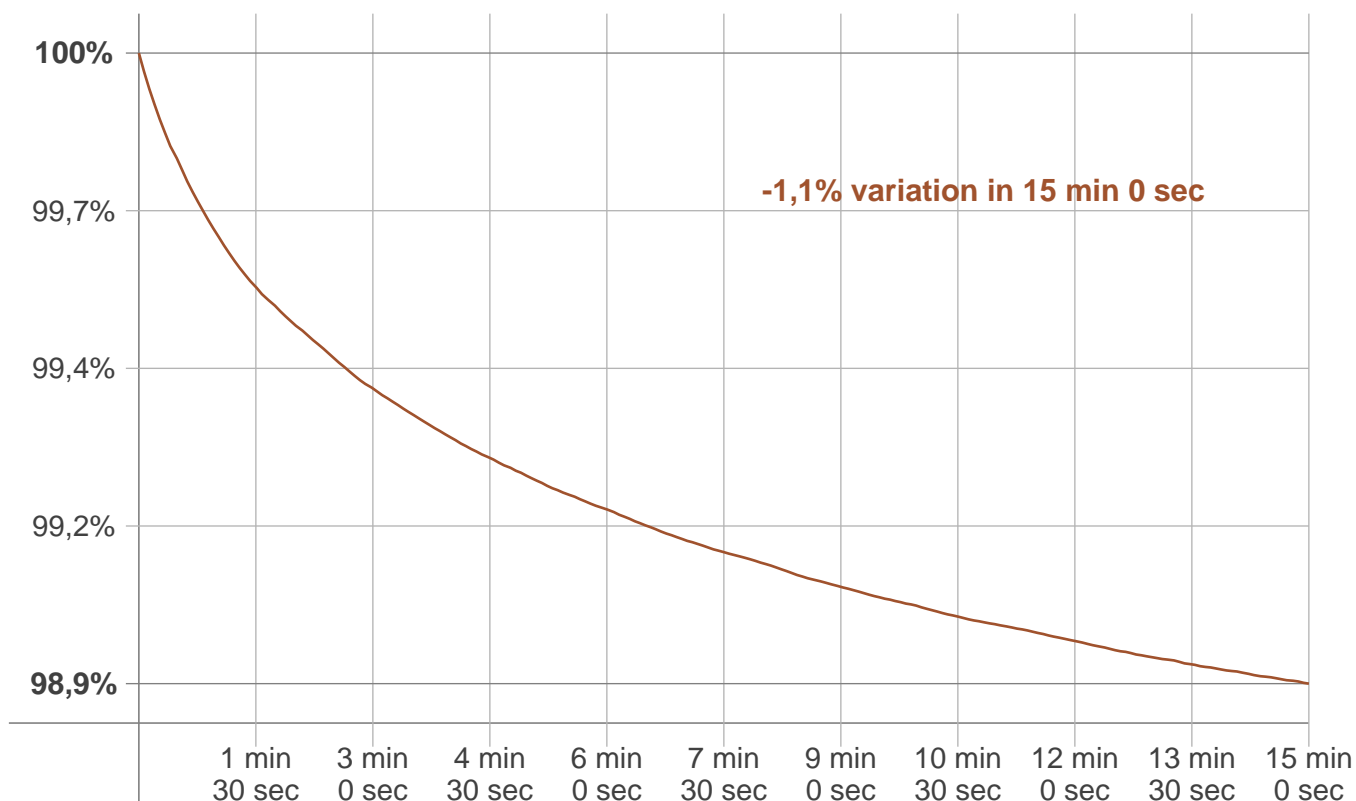


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
290 lm	791 lm	1068 lm	1025 lm	729 lm	432 lm	245 lm	108 lm	20,4 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,196 lm	0,271 lm	0,421 lm	0,587 lm	0,711 lm	0,722 lm	0,614 lm	0,407 lm	0,141 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 0 sec
Warmup variation	-1,1%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3366 K	+25 K	3391 K

Output change

Output start	Output change	Output end
4761 lm	-50 lm	4711 lm