

Light efficiency:

113 Lumen/Watt

Light quality:

CRI: 87,0

Color temperature:

4286 K

Output: 4848 lm

Peak: 3193 cd

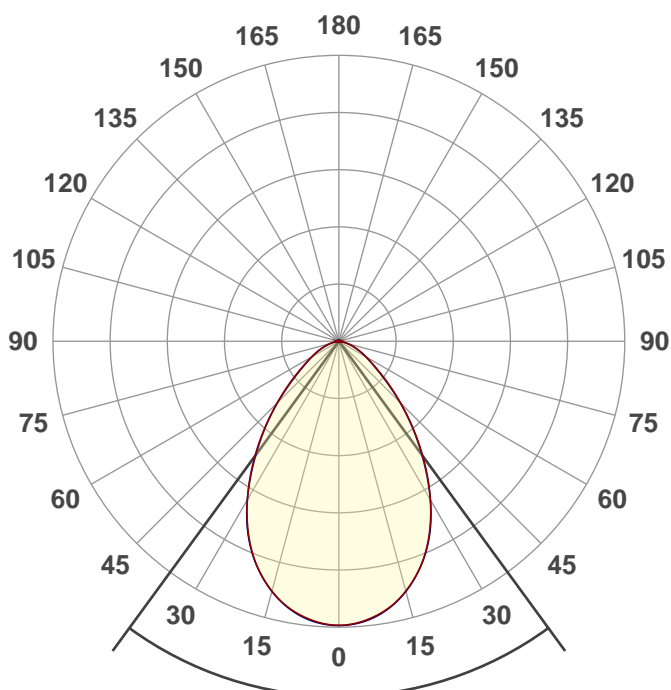
Power: 43,1 W

PF: 1,0



Product name:

E0793-KT6382-CCT-WH-46W-4K



Beam angle

72,3°

THD Values:

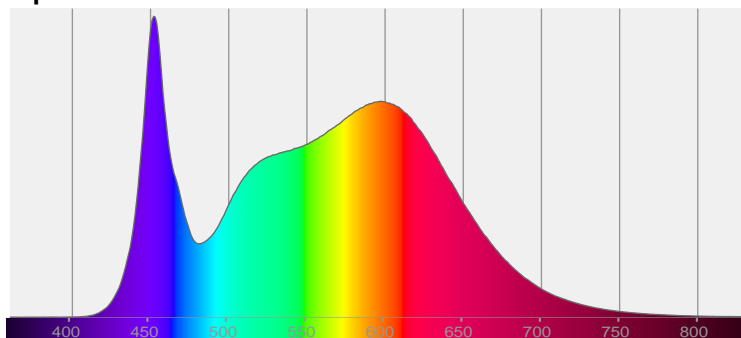
Voltage: 2,43%

Current: 5,66%

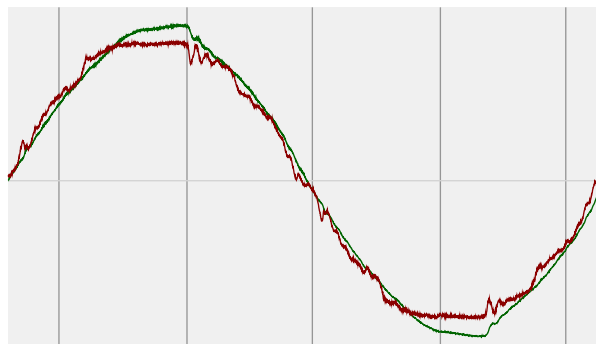


CIE 1931  
x: 0,368  
y: 0,363

Spectra



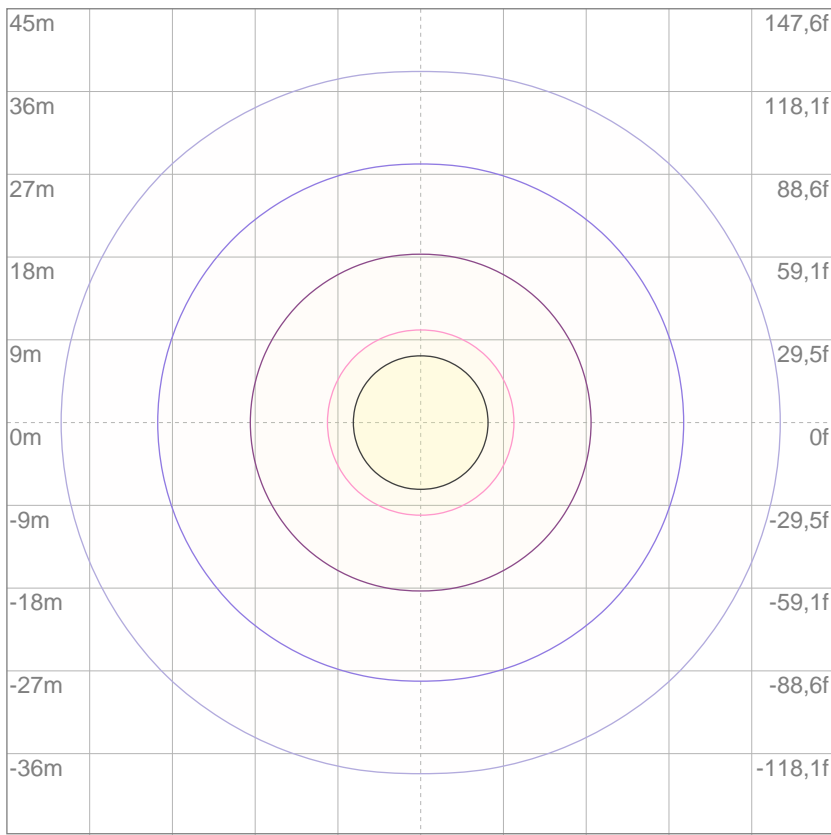
Power



Voltage: 112 V  
Current: 0,387 A  
Frequency: 60 Hz

## ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,956 lx
5%	1,59 lx
10%	3,19 lx
30%	9,56 lx
50%	15,9 lx

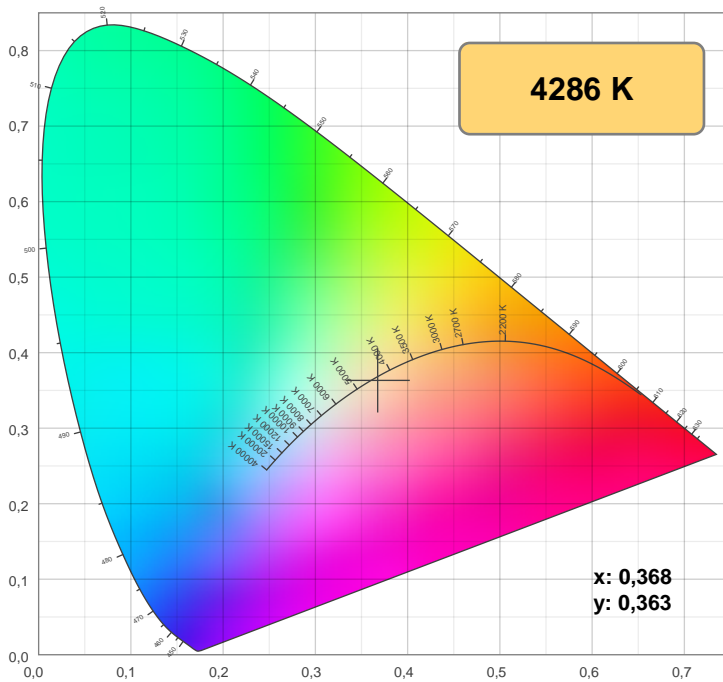
Conditions:

Number of c-planes: 8

Lux at center: 31,9 lx

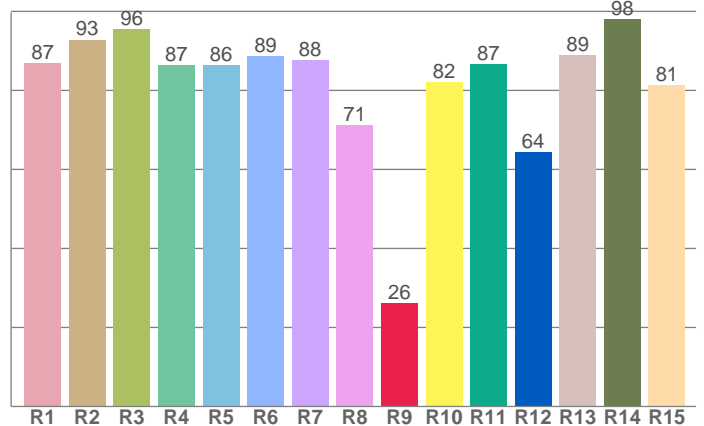
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*

## 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	92,9	95,6	86,5	86,4	88,7	87,8	71,3	26,3	82,0	86,7	64,4	88,9	98,0	81,4

## 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	$\Delta uv$
4286 K	87,0	26,3	85,7	96,8	84,6	0,368	0,363	0,222	0,329	-0,0024

## TM-30 details

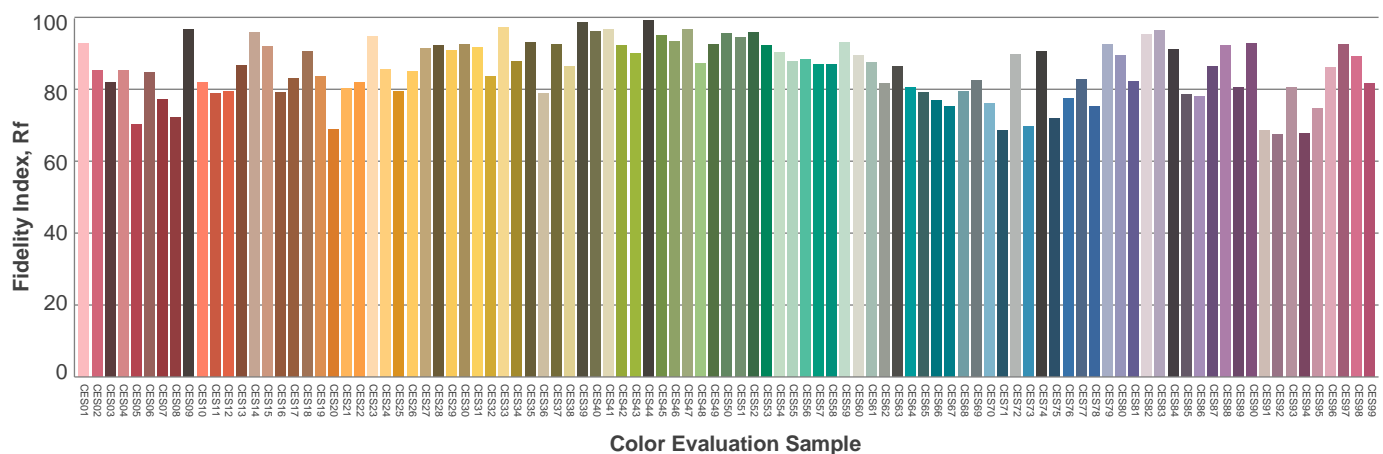
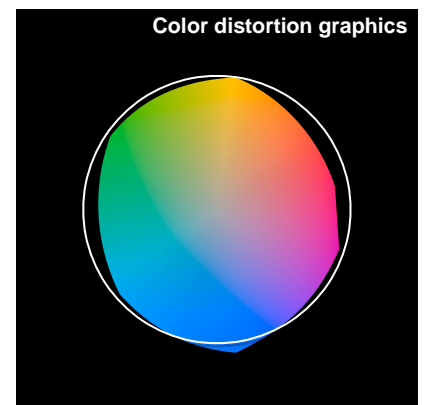
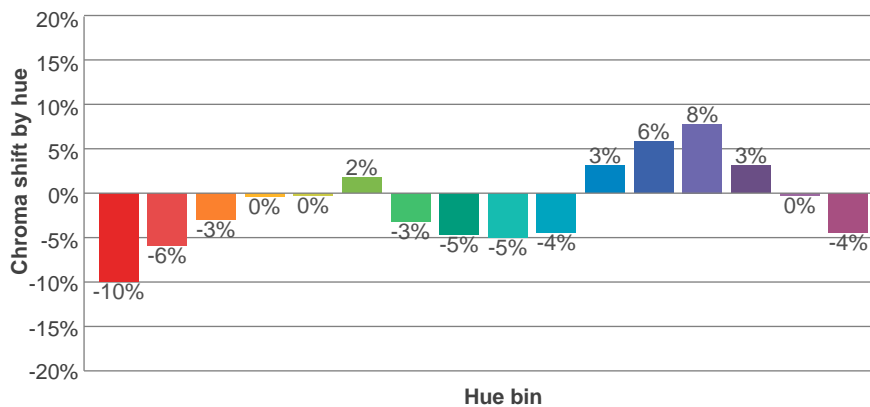
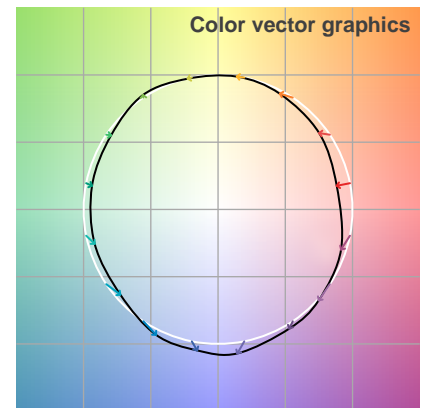
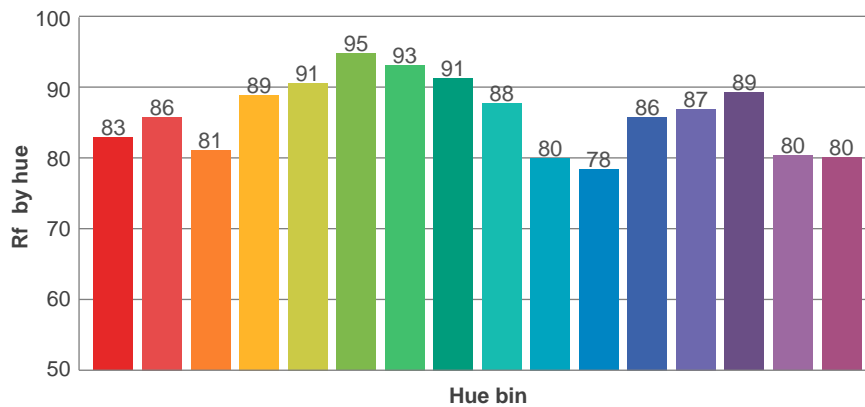
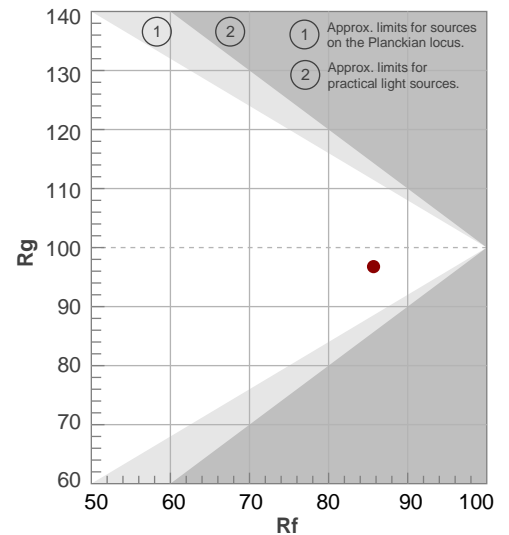
**Rf 85,7**

Fidelity index Rf

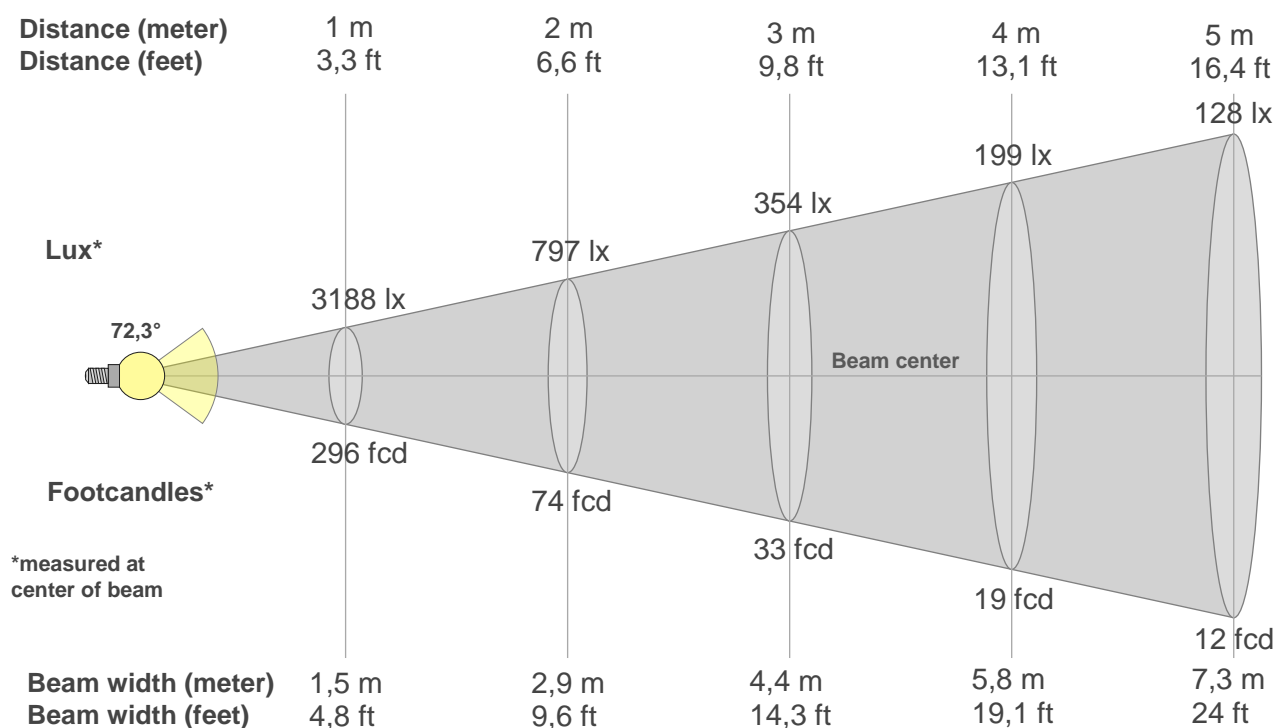
**Rg 96,8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	83	-10%	0%
2	86	-6%	5%
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	80	0%	-15%
16	80	-4%	-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°
3188	3155	3062	2906	2687	2400	2056	1685	1318	981	705	494	355	254	171	104	51	18	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°
3188	3163	3069	2909	2690	2408	2056	1668	1305	970	679	477	348	248	166	100	46	13	0	0
100%	99%	96%	91%	84%	76%	64%	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°
3188	3155	3062	2906	2687	2400	2056	1685	1318	981	705	494	355	254	171	104	51	18	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°
3188	3163	3069	2909	2690	2408	2056	1668	1305	970	679	477	348	248	166	100	46	13	0	0
100%	99%	96%	91%	84%	76%	64%	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°	92,0%	75,9%

## 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	26,8	27,7	26,9	28,0	28,2	26,7	27,6	26,8	27,9	28,1
	3H	27,2	28,2	27,6	28,5	28,7	27,1	28,1	27,5	28,4	28,6
	4H	27,4	28,4	27,8	28,6	28,9	27,3	28,3	27,7	28,5	28,8
	6H	27,6	28,4	27,9	28,7	29,0	27,4	28,3	27,7	28,5	28,9
	8H	27,5	28,3	27,9	28,7	29,1	27,4	28,2	27,8	28,5	28,9
	12H	27,5	28,3	27,9	28,6	29,1	27,4	28,2	27,7	28,5	28,9
4H	2H	26,9	27,8	27,3	28,1	28,3	26,8	27,8	27,2	28,0	28,3
	3H	27,7	28,4	28,0	28,8	29,2	27,6	28,3	27,9	28,7	29,1
	4H	27,9	28,6	28,3	29,0	29,5	27,8	28,5	28,2	28,9	29,4
	6H	28,0	28,7	28,5	29,1	29,4	27,9	28,6	28,4	29,0	29,3
	8H	28,0	28,7	28,5	29,0	29,4	27,9	28,6	28,4	28,9	29,3
	12H	28,0	28,5	28,5	29,0	29,4	27,9	28,4	28,4	28,8	29,3
8H	4H	27,9	28,6	28,4	28,9	29,3	27,8	28,5	28,3	28,8	29,2
	6H	28,2	28,6	28,7	29,1	29,6	28,0	28,5	28,5	29,0	29,5
	8H	28,2	28,6	28,7	29,1	29,8	28,1	28,5	28,6	29,0	29,7
	12H	28,2	28,6	28,8	29,1	29,7	28,1	28,4	28,7	28,9	29,5
12H	4H	27,9	28,4	28,4	28,8	29,3	27,8	28,3	28,3	28,7	29,2
	6H	28,2	28,6	28,7	29,1	29,7	28,1	28,5	28,6	29,0	29,6
	8H	28,2	28,5	28,8	29,1	29,7	28,1	28,4	28,7	28,9	29,5
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					1,3 / -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 4848 lm total luminous flux											

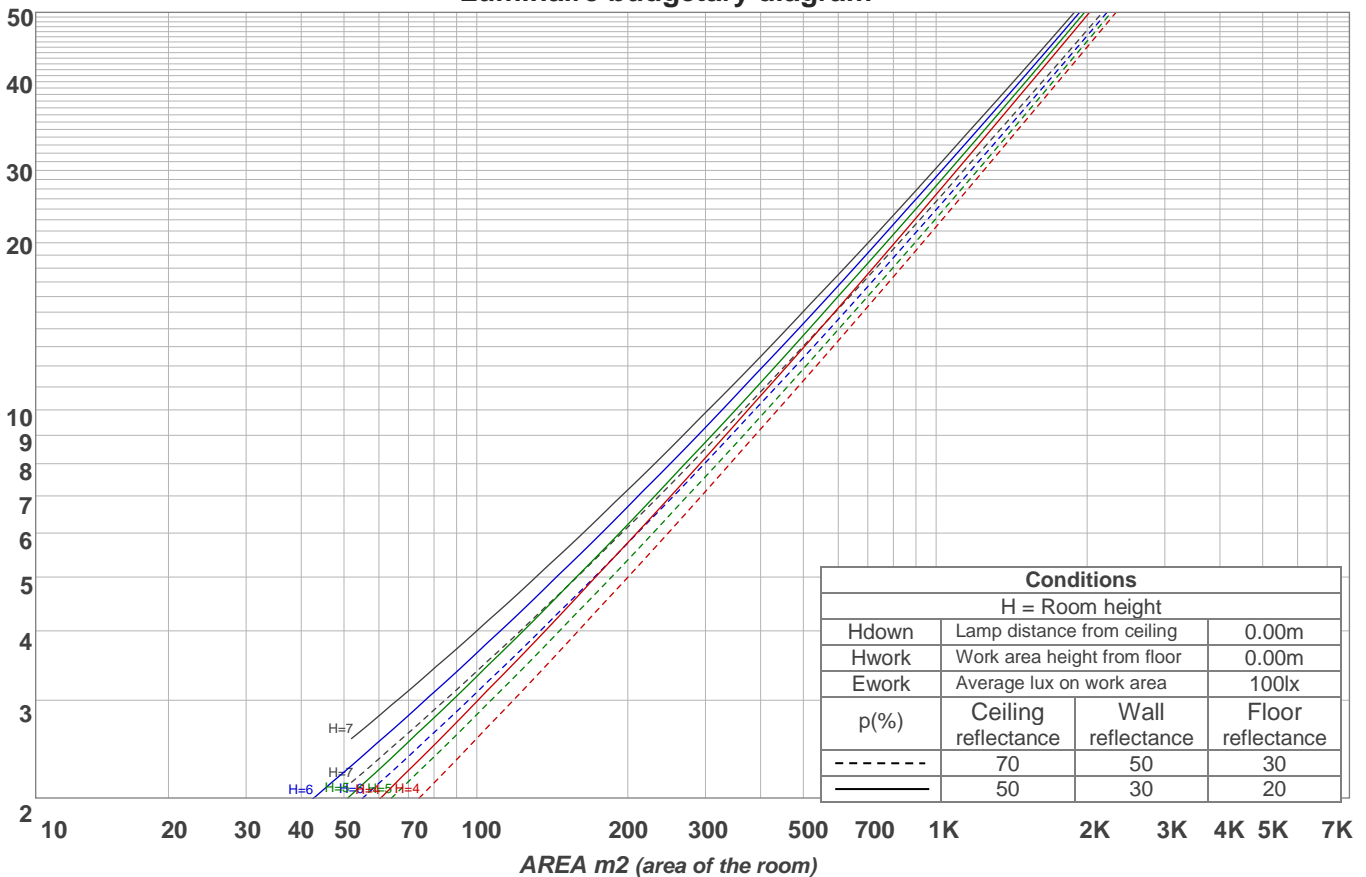
## Light planning

### 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	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	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

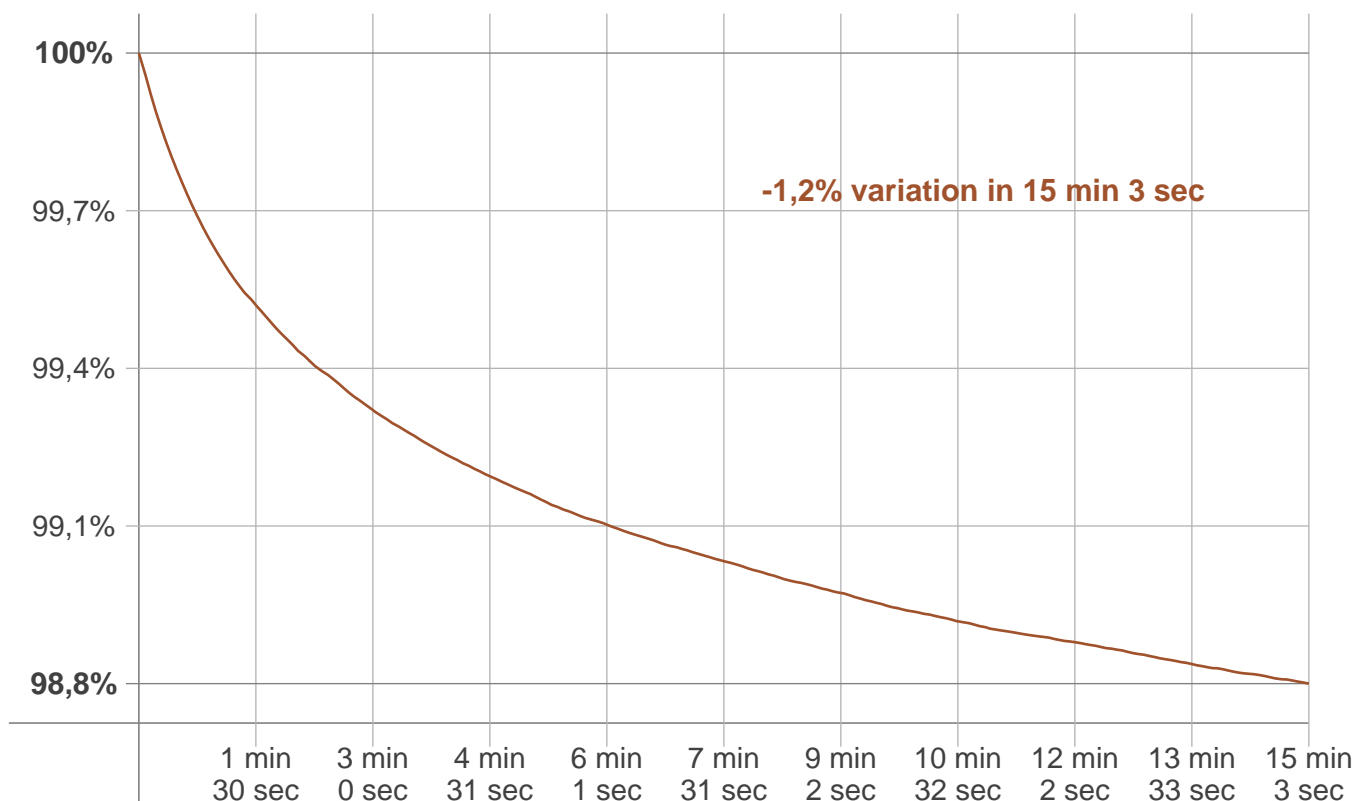


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
298 lm	815 lm	1097 lm	1047 lm	758 lm	447 lm	252 lm	110 lm	20,7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,107 lm	0,169 lm	0,311 lm	0,492 lm	0,640 lm	0,671 lm	0,573 lm	0,388 lm	0,134 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 3 sec
Warmup variation	-1,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4291 K	-5 K	4286 K

Output change

Output start	Output change	Output end
4900 lm	-52 lm	4848 lm