

Light efficiency:

104 Lumen/Watt

Light quality:

CRI: 85,9

Color temperature:

3391 K

Output: 5758 lm

Peak: 3797 cd

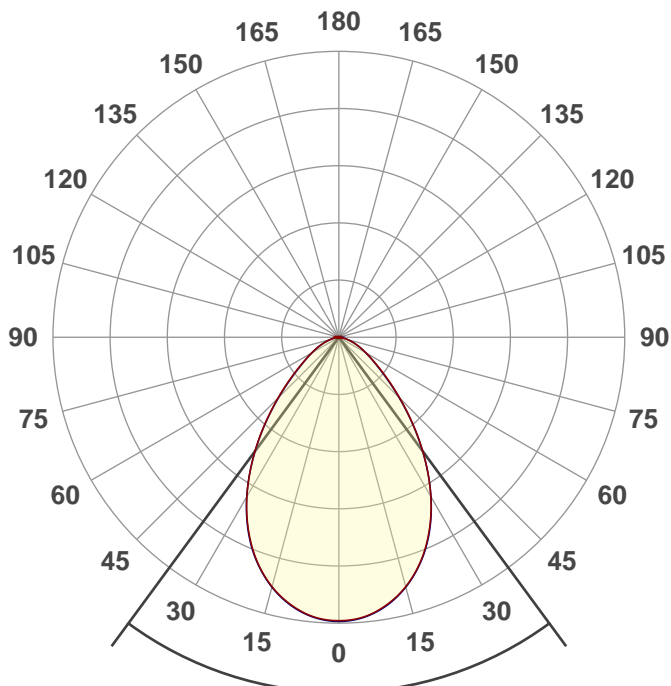
Power: 55,2 W

PF: 0,99



Product name:

E0796-KT6382-CCT-WH-59W-3.5K



Beam angle

72,7°

THD Values:

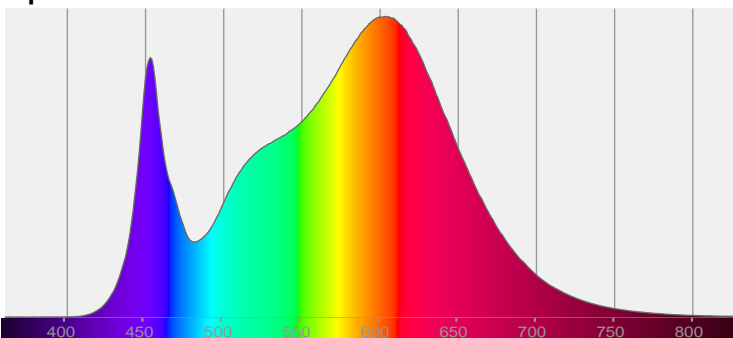
Voltage: 2,3%

Current: 9,06%

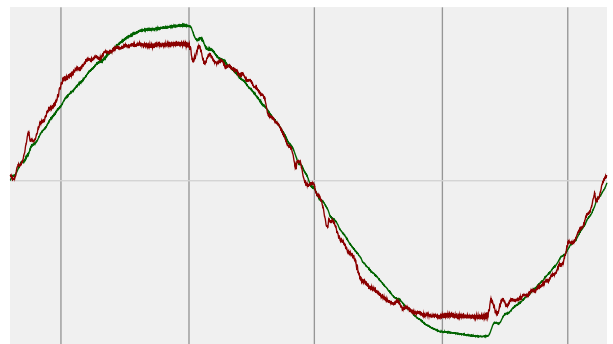


CIE 1931  
x: 0,407  
y: 0,383

Spectra



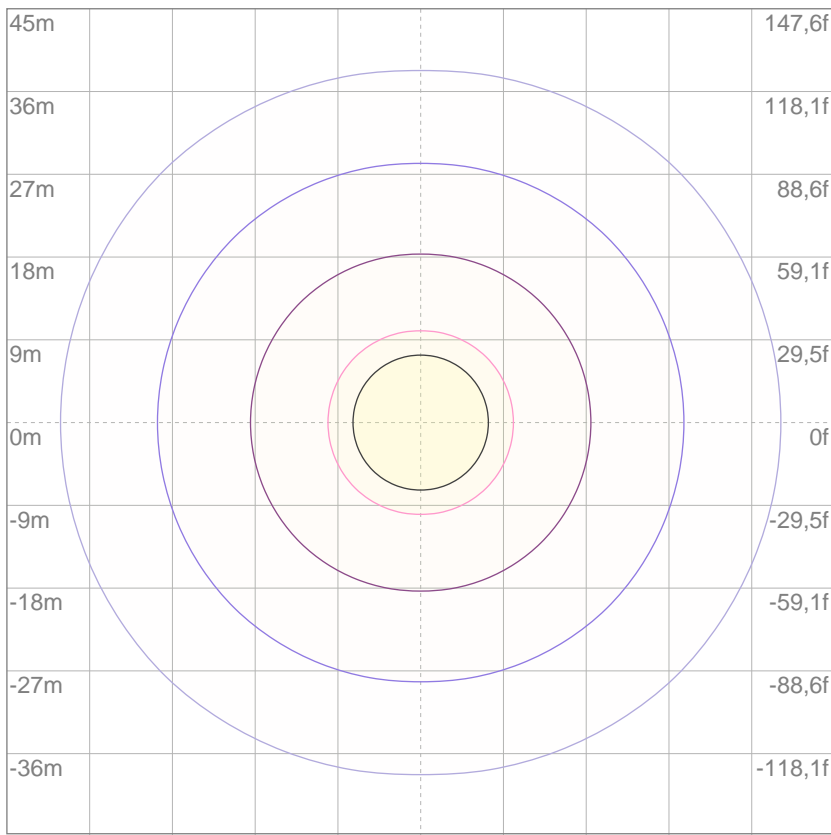
Power



Voltage: 113 V  
Current: 0,493 A  
Frequency: 60 Hz

## ISO Diagrams

### ISO lux diagram



Mounting height: 10 meters (33 f)

3%	1,14 lx
5%	1,89 lx
10%	3,78 lx
30%	11,4 lx
50%	18,9 lx

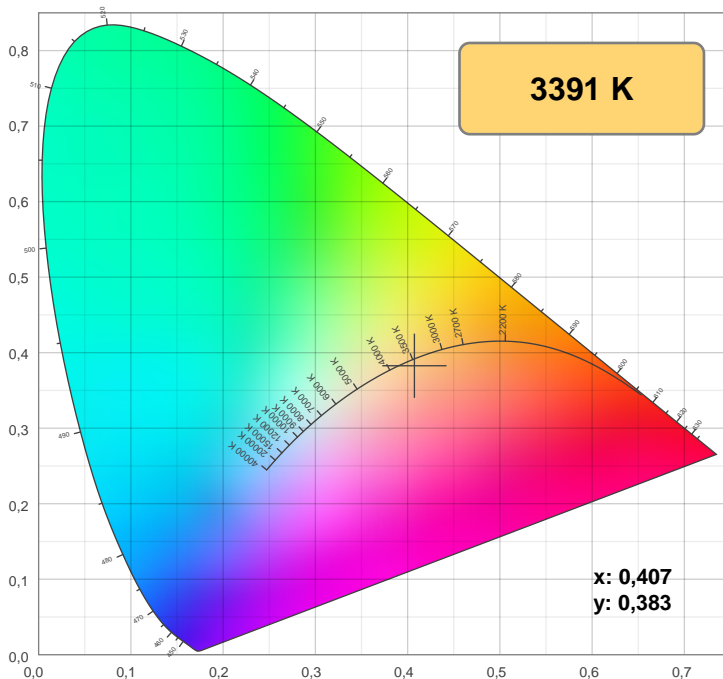
#### Conditions:

Number of c-planes: 8

Lux at center: 37,8 lx

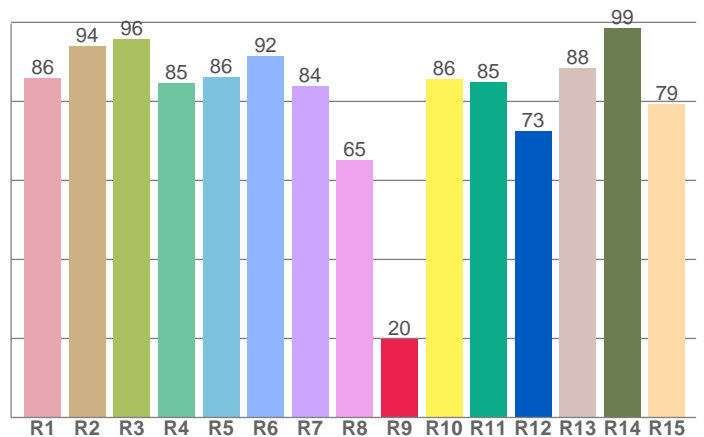
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*

## Color details



CIE 1931

### CRI: 85,9 (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
85,9	94,0	95,7	84,5	86,1	91,6	84,0	65,2	19,9	85,6	84,9	72,6	88,4	98,7	79,2

### 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	$\Delta uv$
3391 K	85,9	19,9	85,8	97,2	83,9	0,407	0,383	0,240	0,339	-0,0040

## TM-30 details

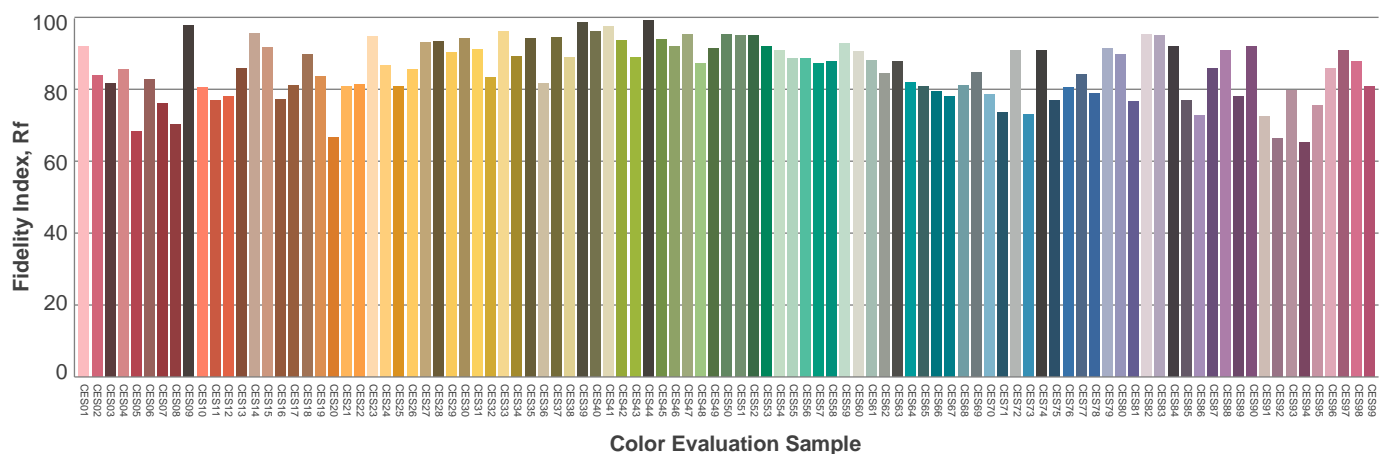
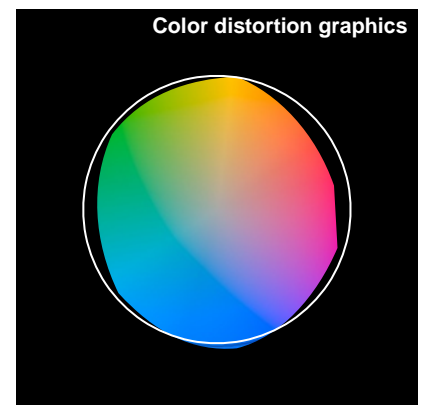
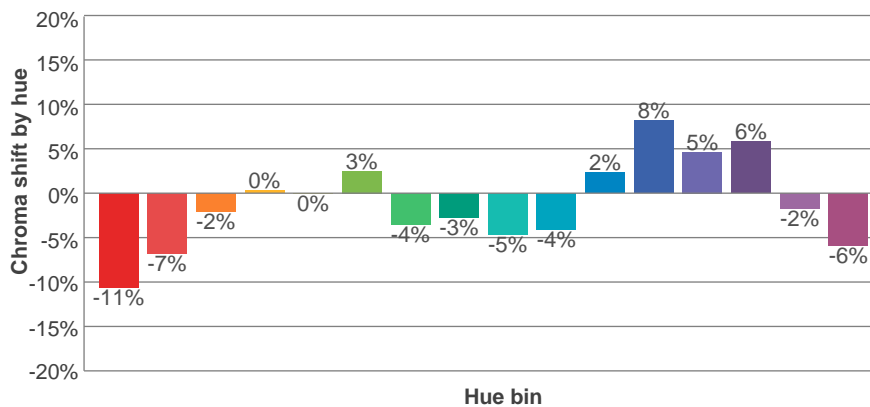
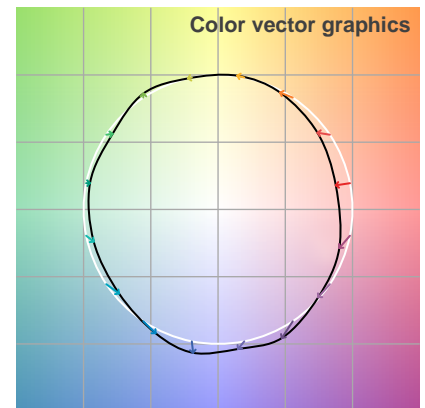
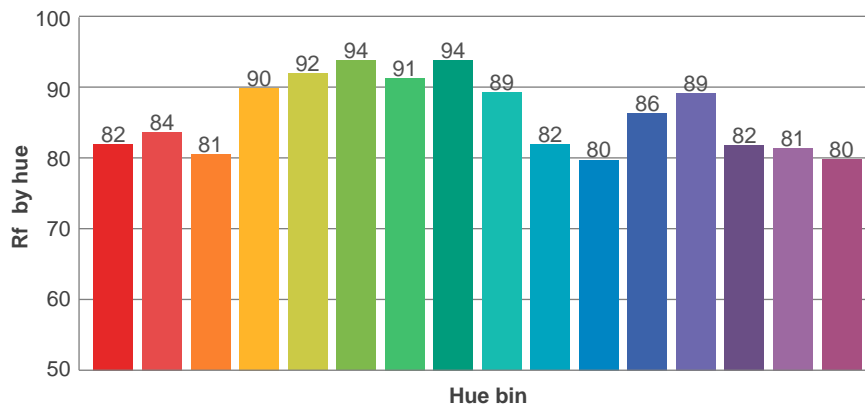
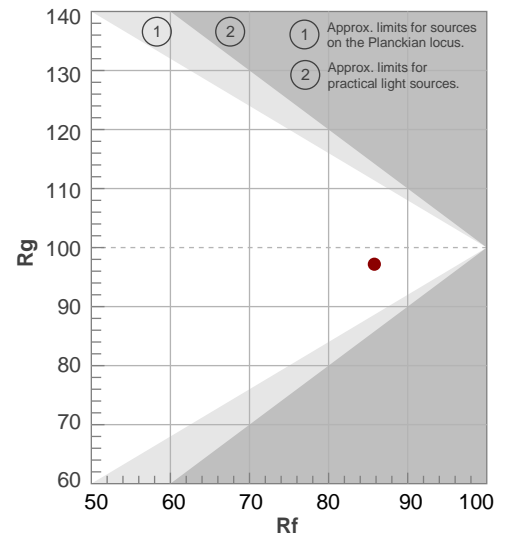
**Rf 85,8**

Fidelity index Rf

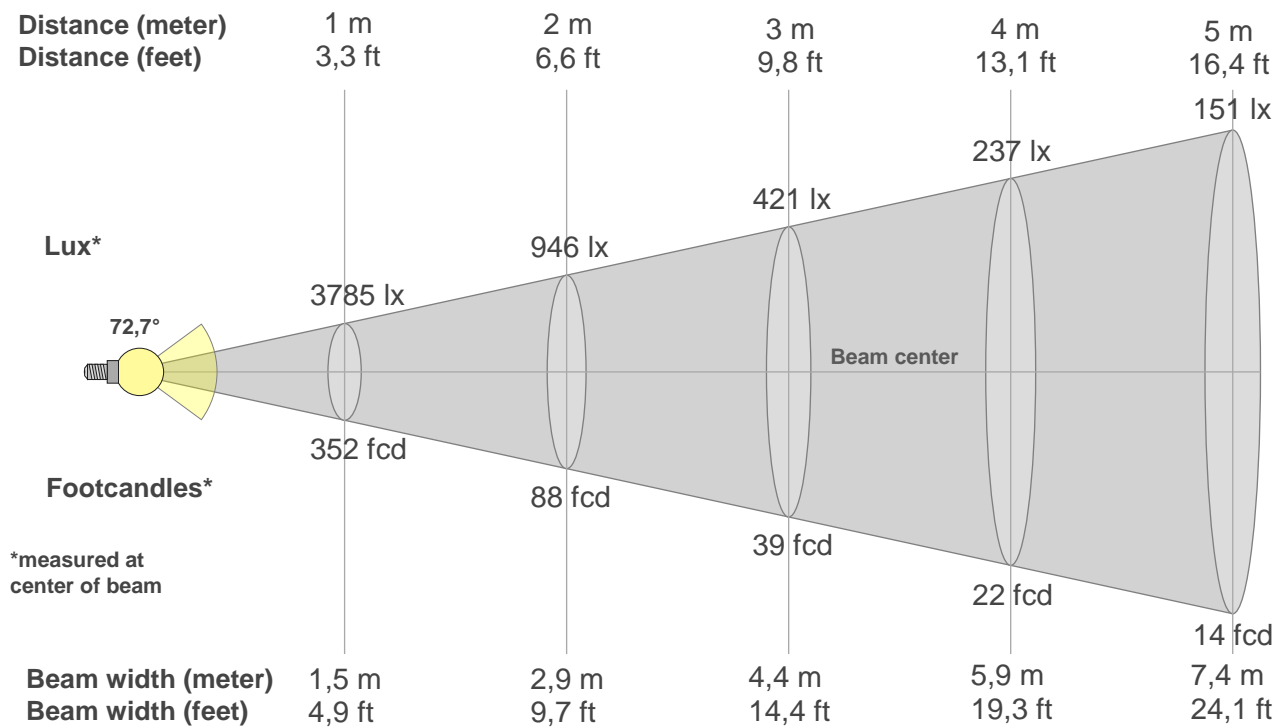
**Rg 97,2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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	3%	-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°
3785	3752	3635	3450	3190	2855	2458	2015	1566	1153	822	584	421	302	203	123	61	22	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°
3785	3759	3644	3456	3196	2863	2460	2009	1552	1133	795	565	413	296	198	119	55	15	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°
3785	3752	3635	3450	3190	2855	2458	2015	1566	1153	822	584	421	302	203	123	61	22	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°
3785	3759	3644	3456	3196	2863	2460	2009	1552	1133	795	565	413	296	198	119	55	15	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	27,3	28,3	27,5	28,5	28,7	27,2	28,2	27,4	28,4	28,6
	3H	27,8	28,8	28,2	29,0	29,2	27,7	28,7	28,1	28,9	29,1
	4H	28,0	28,9	28,4	29,2	29,4	27,9	28,8	28,3	29,1	29,3
	6H	28,1	29,0	28,4	29,2	29,6	28,0	28,8	28,3	29,1	29,5
	8H	28,1	28,9	28,5	29,2	29,6	28,0	28,8	28,3	29,1	29,5
	12H	28,1	28,9	28,5	29,2	29,7	28,0	28,7	28,3	29,1	29,5
4H	2H	27,4	28,4	27,9	28,7	28,9	27,4	28,3	27,8	28,6	28,8
	3H	28,2	29,0	28,6	29,4	29,8	28,2	28,9	28,5	29,3	29,7
	4H	28,4	29,1	28,9	29,6	30,1	28,4	29,1	28,8	29,5	30,0
	6H	28,6	29,3	29,1	29,6	30,0	28,5	29,2	29,0	29,5	29,9
	8H	28,6	29,3	29,1	29,6	30,0	28,5	29,1	29,0	29,5	29,9
	12H	28,6	29,1	29,1	29,5	30,0	28,5	29,0	29,0	29,4	29,9
8H	4H	28,5	29,1	29,0	29,5	29,9	28,4	29,1	28,9	29,4	29,8
	6H	28,7	29,2	29,2	29,7	30,2	28,6	29,1	29,1	29,6	30,1
	8H	28,8	29,2	29,3	29,7	30,4	28,7	29,1	29,2	29,6	30,2
	12H	28,8	29,2	29,4	29,7	30,3	28,7	29,0	29,3	29,5	30,1
12H	4H	28,5	29,0	29,0	29,4	29,9	28,4	28,9	28,9	29,3	29,8
	6H	28,8	29,1	29,3	29,7	30,3	28,7	29,0	29,2	29,6	30,2
	8H	28,8	29,1	29,4	29,6	30,2	28,7	29,0	29,3	29,5	30,1
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 5758 lm total luminous flux											

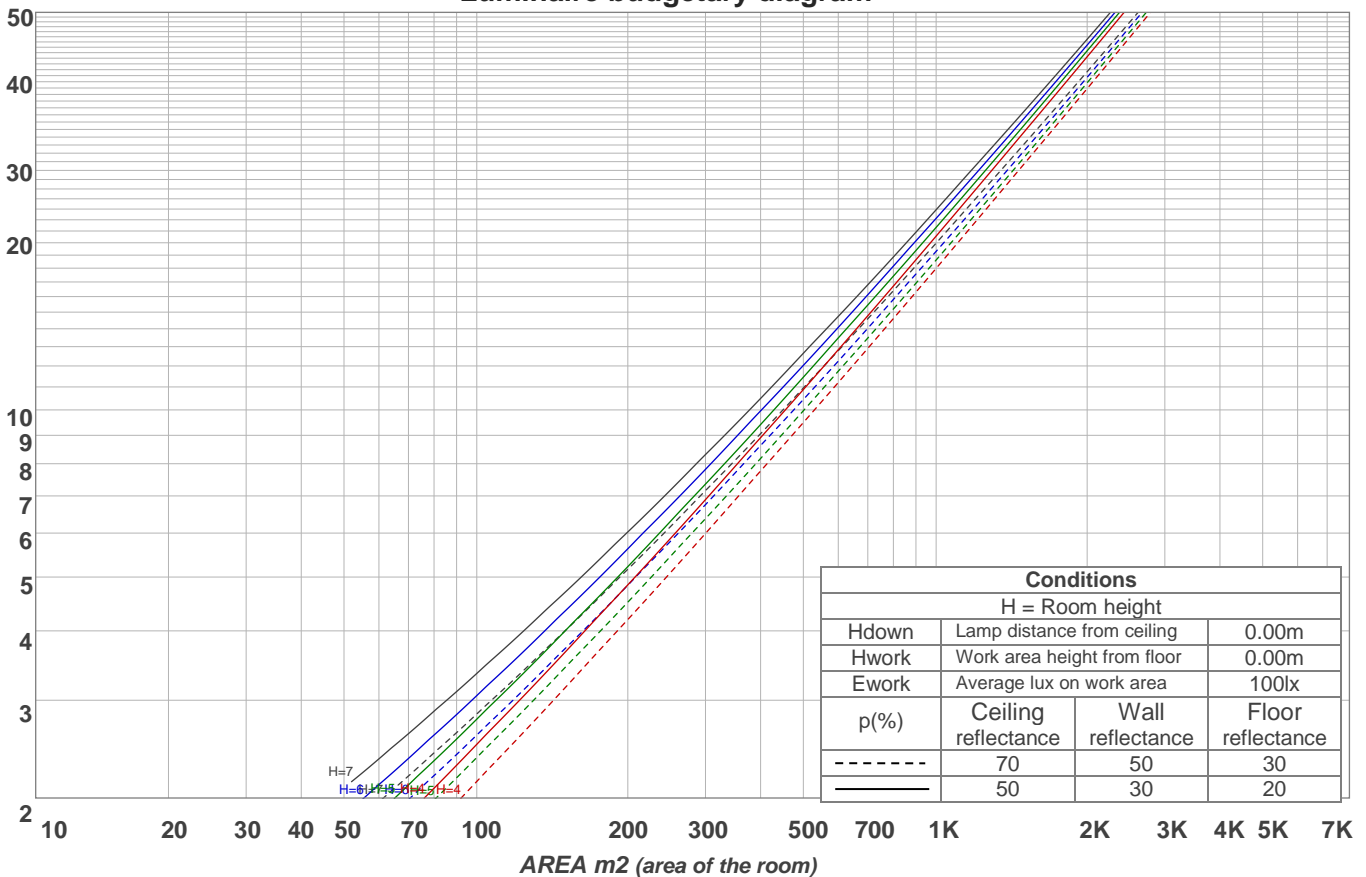
## Light planning

### 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	79	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

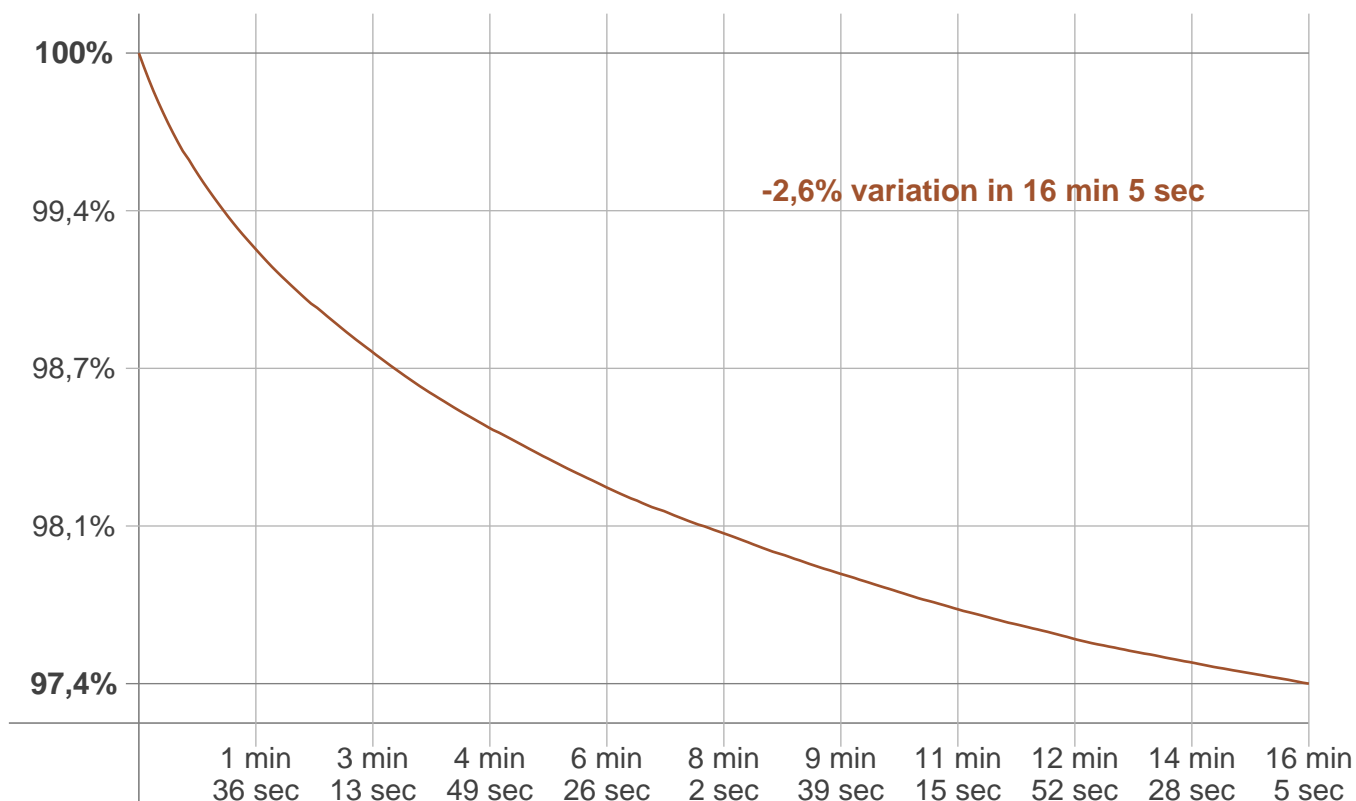


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
354 lm	967 lm	1306 lm	1253 lm	891 lm	527 lm	299 lm	131 lm	24,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,235 lm	0,337 lm	0,519 lm	0,727 lm	0,888 lm	0,900 lm	0,759 lm	0,503 lm	0,175 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	16 min 5 sec
Warmup variation	-2,6%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3356 K	+35 K	3391 K

Output change

Output start	Output change	Output end
5902 lm	-144 lm	5758 lm