

Light efficiency:

96 Lumen/Watt

Light quality:

CRI: 83,5

Color temperature:

2964 K

Output: 5386 lm

Peak: 3555 cd

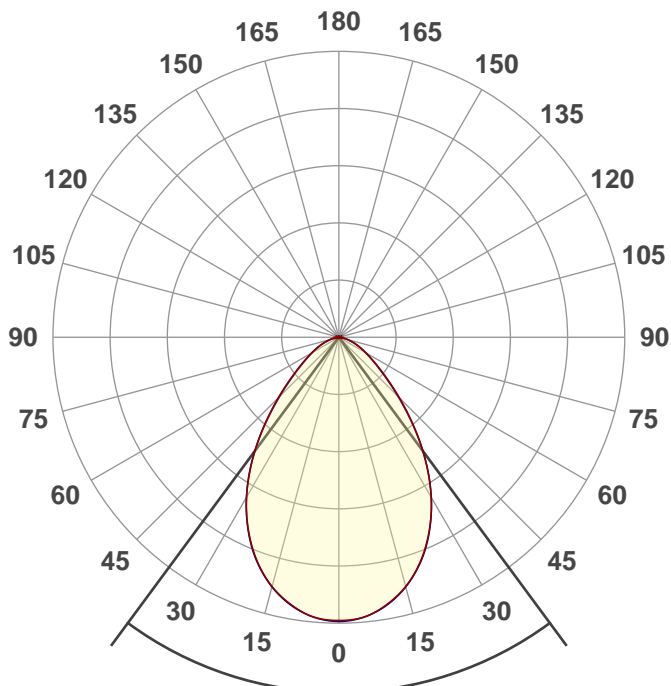
Power: 56,1 W

PF: 0,99



Product name:

E0795-KT6382-CCT-WH-59W-3K



Beam angle

72,9°

THD Values:

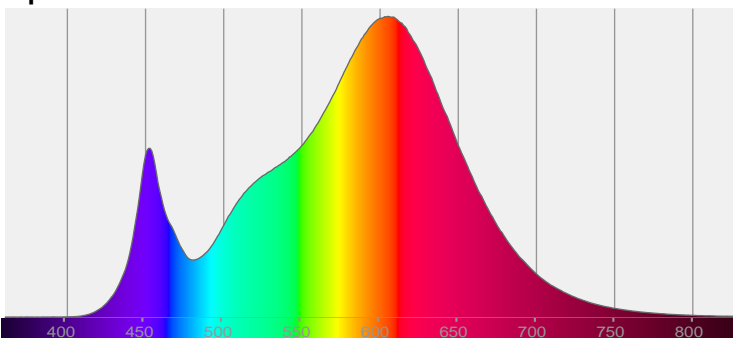
Voltage: 2,38%

Current: 9,41%

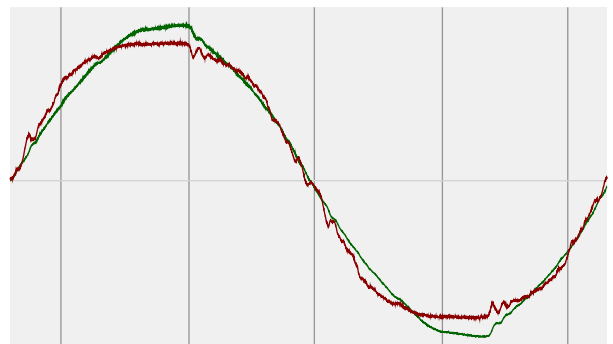


CIE 1931  
x: 0,436  
y: 0,397

Spectra



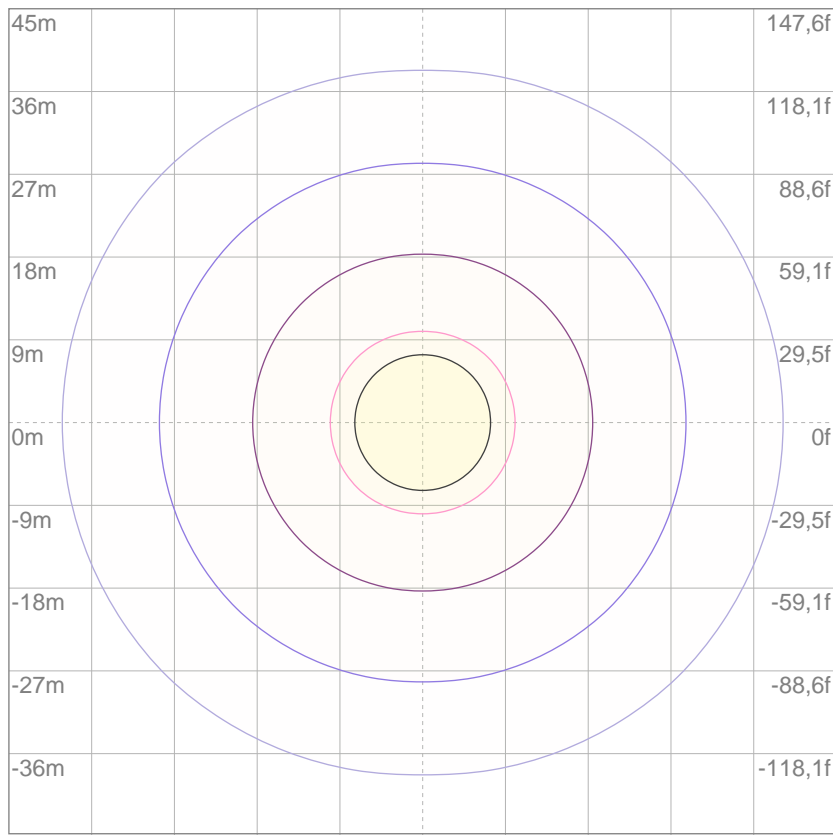
Power



Voltage: 112 V  
Current: 0,502 A  
Frequency: 60,3 Hz

## ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	1,06 lx
5%	1,77 lx
10%	3,54 lx
30%	10,6 lx
50%	17,7 lx

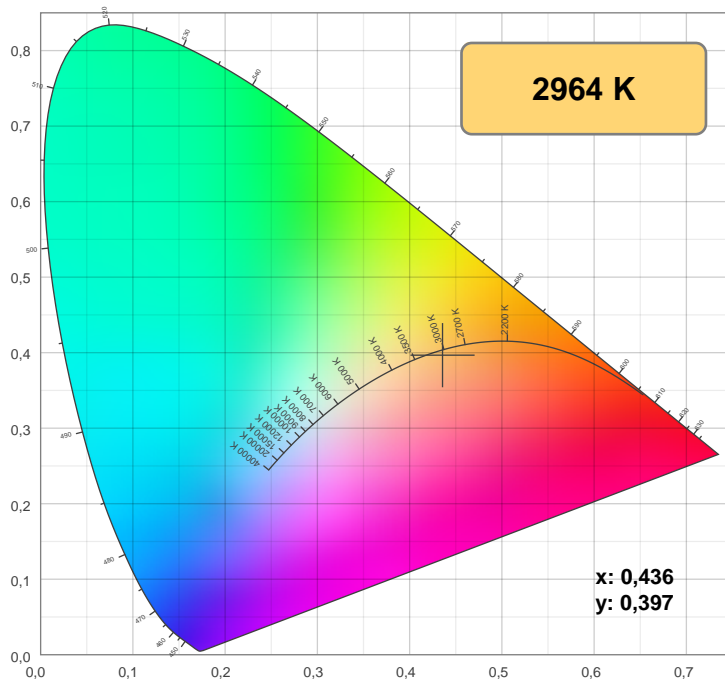
Conditions:

Number of c-planes: 8

Lux at center: 35,4 lx

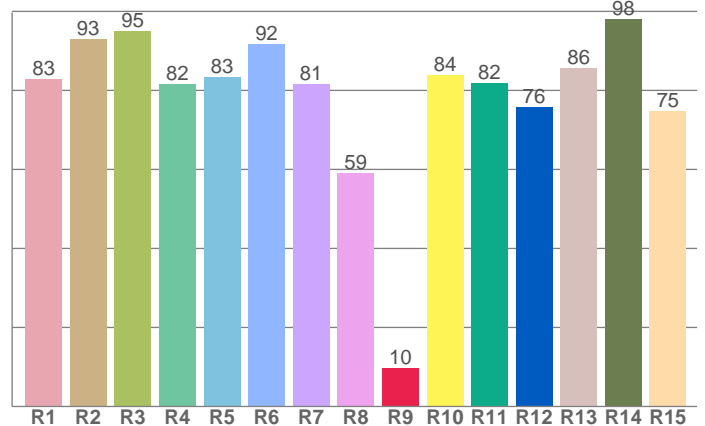
*Lux distribution on a surface  
when lamp is mounted at 10  
meters from the surface.*

## Color details



CIE 1931

CRI: 83,5 (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
82,8	92,9	94,9	81,7	83,3	91,6	81,5	59,2	9,8	83,8	81,9	75,7	85,5	98,1	74,9

## 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	$\Delta uv$
2964 K	83,5	9,8	85,0	96,7	82,0	0,436	0,397	0,253	0,345	-0,0028

## TM-30 details

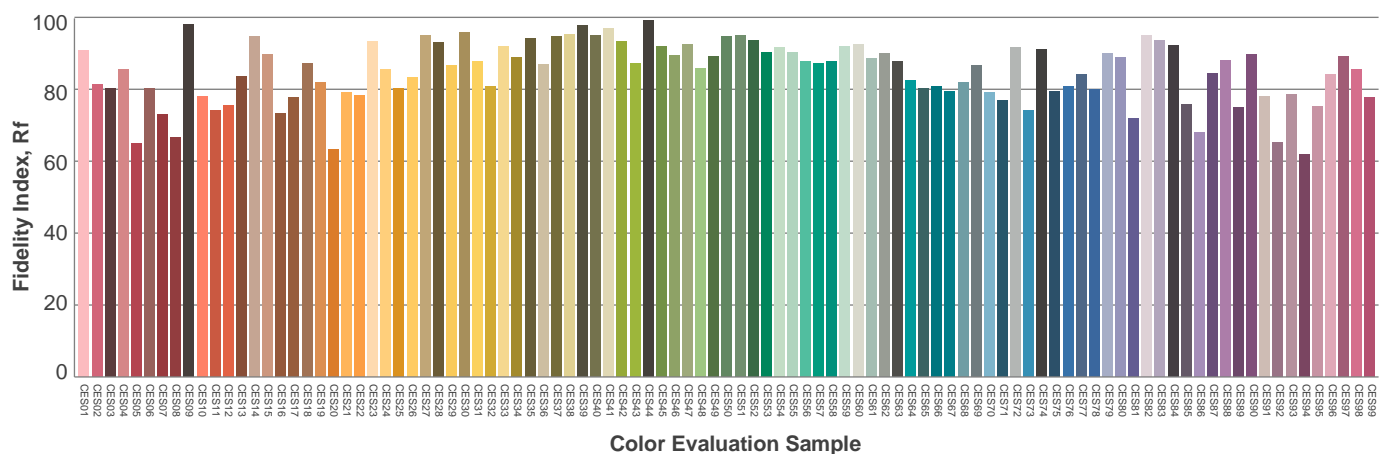
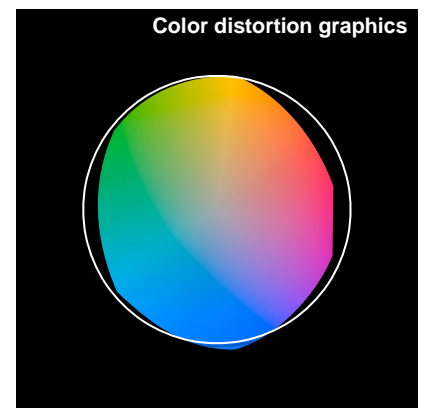
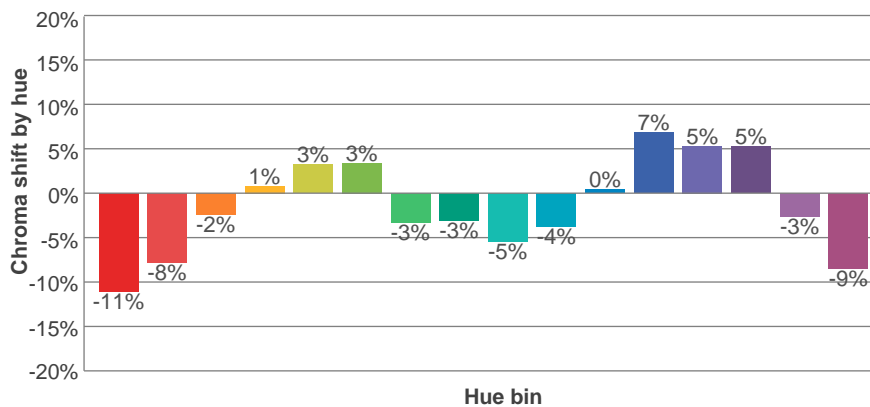
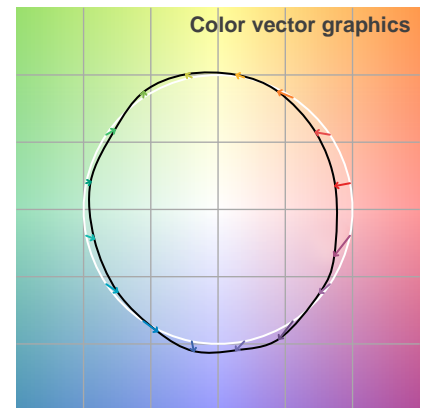
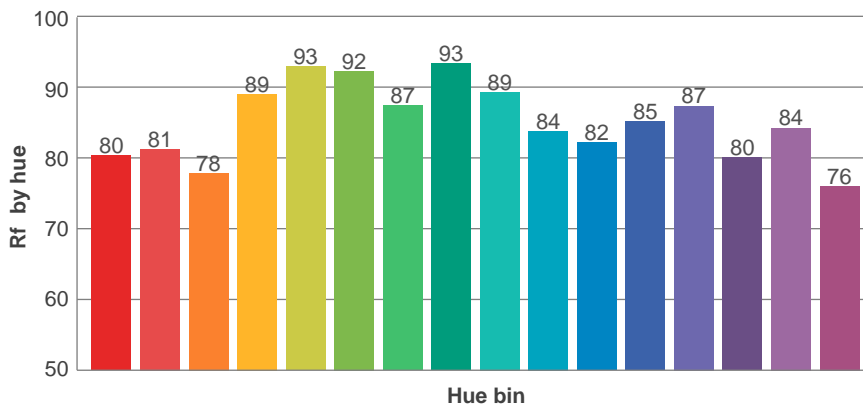
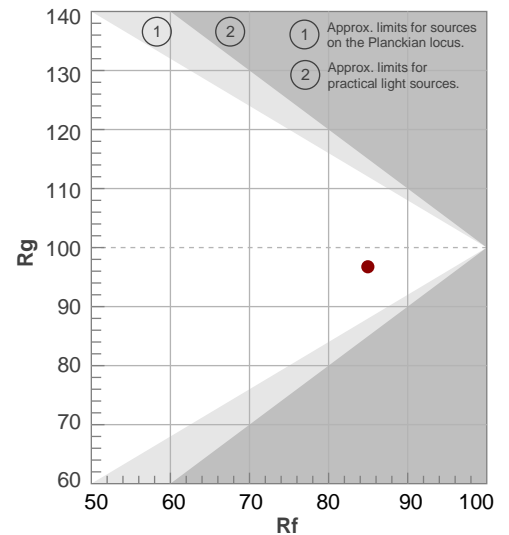
**Rf 85,0**

Fidelity index Rf

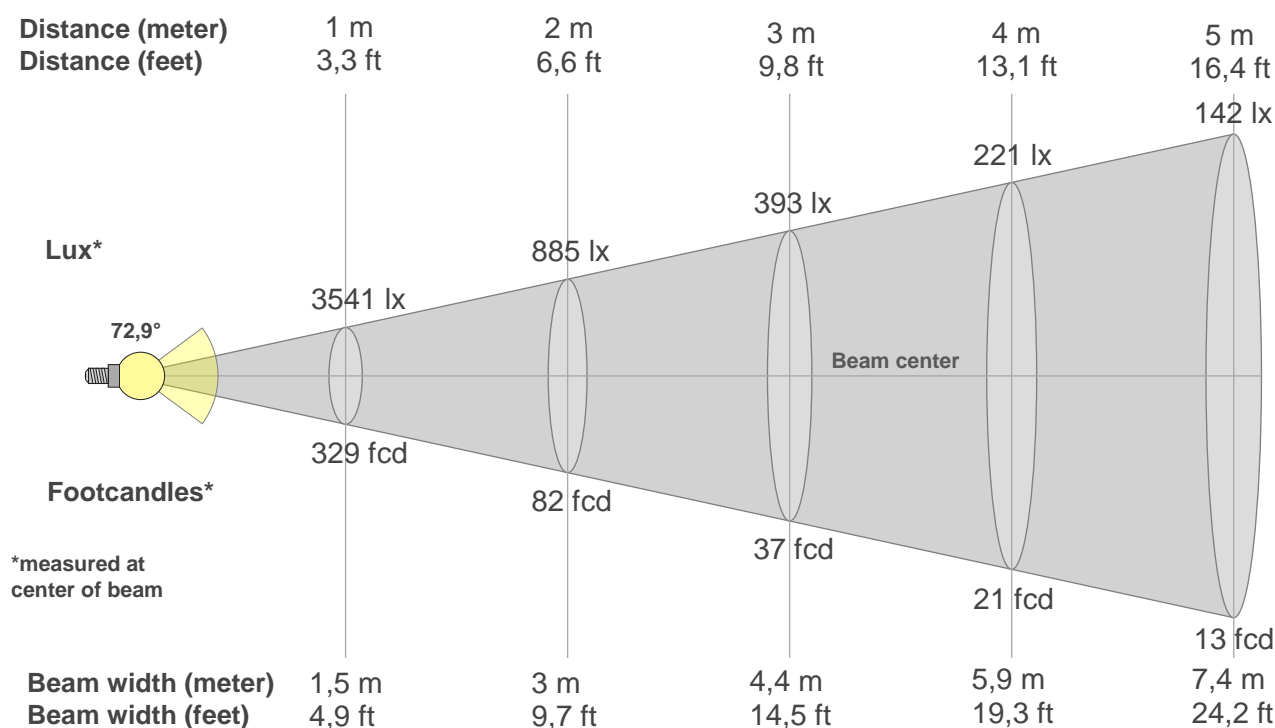
**Rg 96,7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	80	-11%	0%
2	81	-8%	7%
3	78	-2%	11%
4	89	1%	6%
5	93	3%	4%
6	92	3%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-5%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	87	5%	-7%
14	80	5%	-16%
15	84	-3%	-9%
16	76	-9%	-17%



## 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°
3541	3516	3402	3229	2984	2674	2310	1893	1466	1072	761	545	393	282	190	116	57	21	1	0
100%	99%	96%	91%	84%	76%	65%	53%	41%	30%	21%	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°
3541	3517	3409	3233	2990	2679	2310	1895	1452	1048	736	528	386	277	185	111	52	14	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°
3541	3516	3402	3229	2984	2674	2310	1893	1466	1072	761	545	393	282	190	116	57	21	1	0
100%	99%	96%	91%	84%	76%	65%	53%	41%	30%	21%	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°
3541	3517	3409	3233	2990	2679	2310	1895	1452	1048	736	528	386	277	185	111	52	14	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
72,9°	123,1°	154,1°	92,0%	76,1%

## 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	27,1	28,0	27,2	28,3	28,5	27,0	27,9	27,2	28,2	28,4
	3H	27,5	28,5	27,9	28,8	29,0	27,4	28,4	27,8	28,7	28,9
	4H	27,7	28,7	28,1	28,9	29,2	27,6	28,6	28,0	28,8	29,1
	6H	27,9	28,7	28,2	29,0	29,4	27,8	28,6	28,1	28,9	29,3
	8H	27,9	28,7	28,2	29,0	29,4	27,8	28,6	28,1	28,9	29,3
	12H	27,9	28,6	28,2	29,0	29,4	27,7	28,5	28,1	28,8	29,3
4H	2H	27,2	28,2	27,6	28,4	28,7	27,1	28,1	27,5	28,3	28,6
	3H	28,0	28,8	28,3	29,1	29,5	27,9	28,7	28,3	29,0	29,5
	4H	28,2	28,9	28,6	29,3	29,9	28,1	28,8	28,5	29,2	29,8
	6H	28,4	29,1	28,9	29,4	29,8	28,3	29,0	28,8	29,3	29,7
	8H	28,4	29,0	28,9	29,4	29,7	28,3	28,9	28,8	29,3	29,6
	12H	28,4	28,9	28,9	29,3	29,8	28,2	28,8	28,7	29,2	29,6
8H	4H	28,3	28,9	28,8	29,3	29,6	28,2	28,8	28,7	29,2	29,5
	6H	28,5	29,0	29,0	29,4	30,0	28,4	28,9	28,9	29,3	29,9
	8H	28,6	29,0	29,1	29,5	30,1	28,5	28,9	29,0	29,4	30,0
	12H	28,6	28,9	29,2	29,4	30,0	28,5	28,8	29,0	29,3	29,9
12H	4H	28,2	28,7	28,7	29,2	29,6	28,1	28,7	28,6	29,1	29,5
	6H	28,5	28,9	29,0	29,4	30,1	28,4	28,8	28,9	29,3	30,0
	8H	28,6	28,9	29,2	29,4	30,0	28,5	28,8	29,0	29,3	29,9
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,4 / -0,7					0,5 / -0,8				
S = 1.5H		1,3 / -1,3					1,3 / -1,4				
S = 2.0H		2,3 / -2,0					2,3 / -2,1				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 5386 lm total luminous flux											

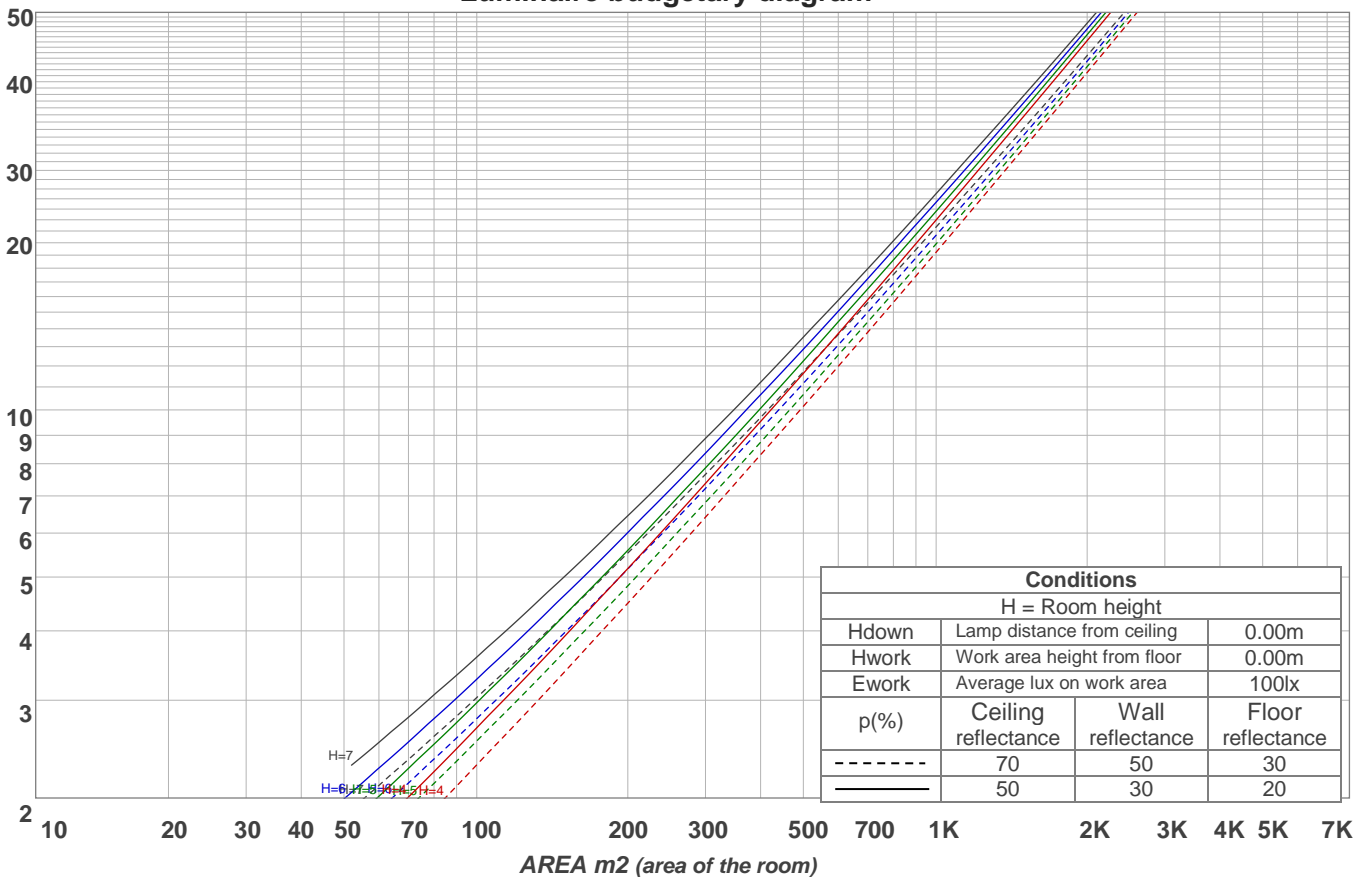
## Light planning

### 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	88	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	54	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	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

LAMPS (number of lamps)

### Luminaire budgetary diagram

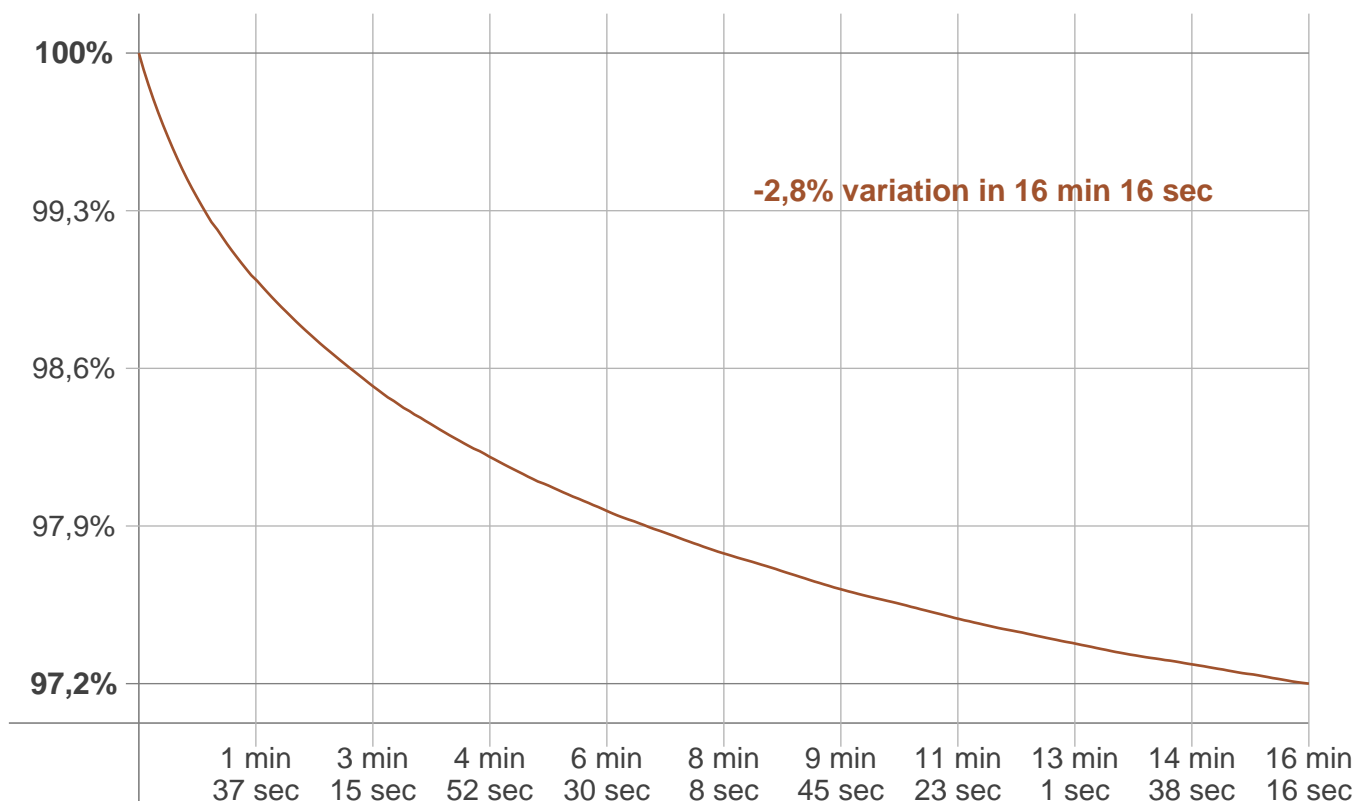


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
331 lm	904 lm	1223 lm	1177 lm	828 lm	491 lm	280 lm	123 lm	23,4 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,272 lm	0,362 lm	0,539 lm	0,721 lm	0,861 lm	0,869 lm	0,730 lm	0,483 lm	0,168 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	16 min 16 sec
Warmup variation	-2,8%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
2956 K	+8 K	2964 K

Output change

Output start	Output change	Output end
5532 lm	-146 lm	5386 lm