

Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 85,1

Color temperature:

4066 K

Output: 3451 lm

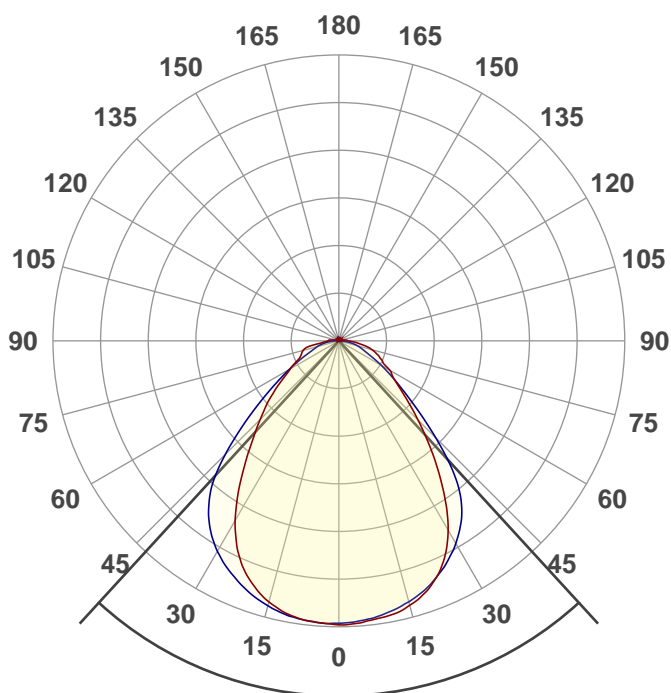
Peak: 1627 cd

Power: 45,4 W

PF: 1,0



Product name:  
E0263-ARTEM-S-045011730W



Beam angle

85°



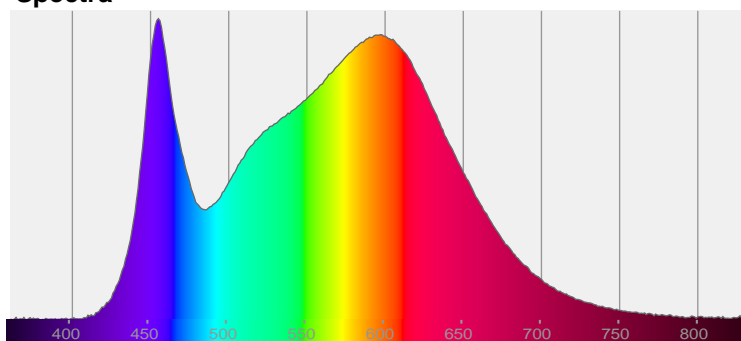
CIE 1931  
x: 0,377  
y: 0,372

THD Values:

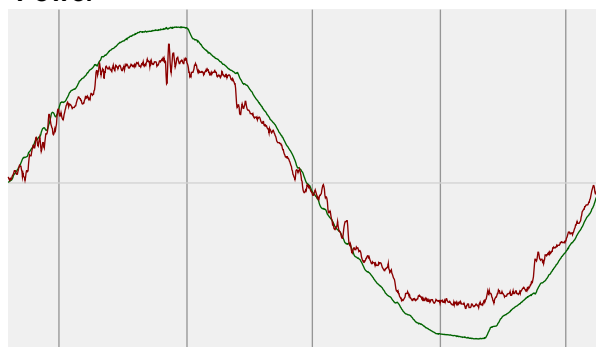
Voltage: 2,05%

Current: 6,04%

Spectra

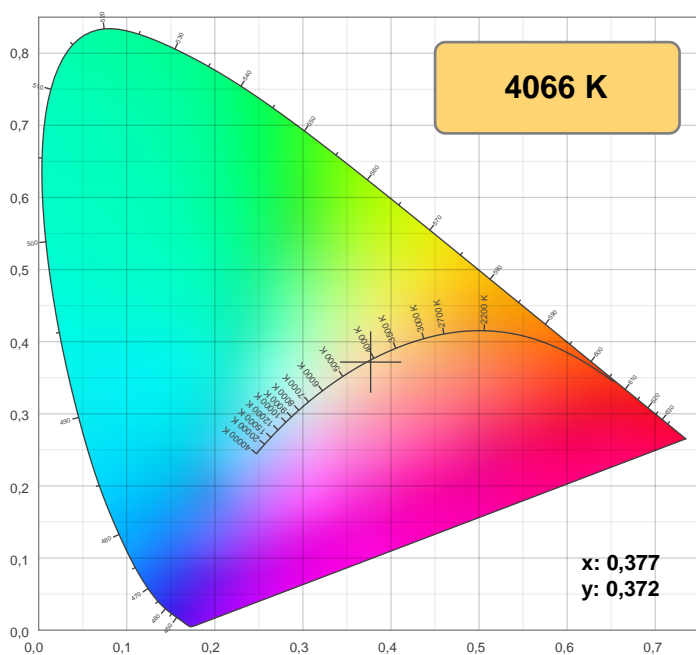


Power



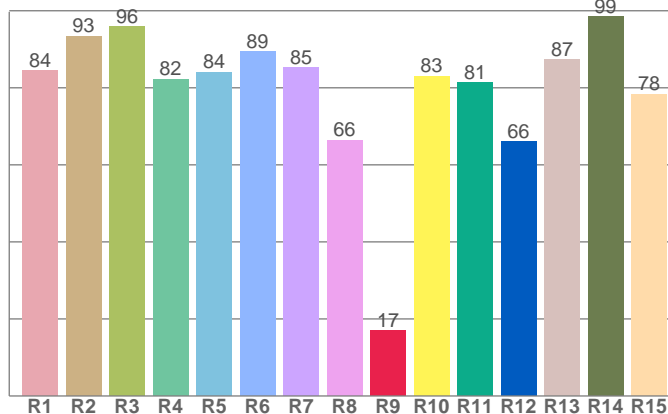
Voltage: 112 V  
Current: 0,407 A  
Frequency: 60 Hz

## Color details



CIE 1931

CRI: 85,1 (R1-R8)

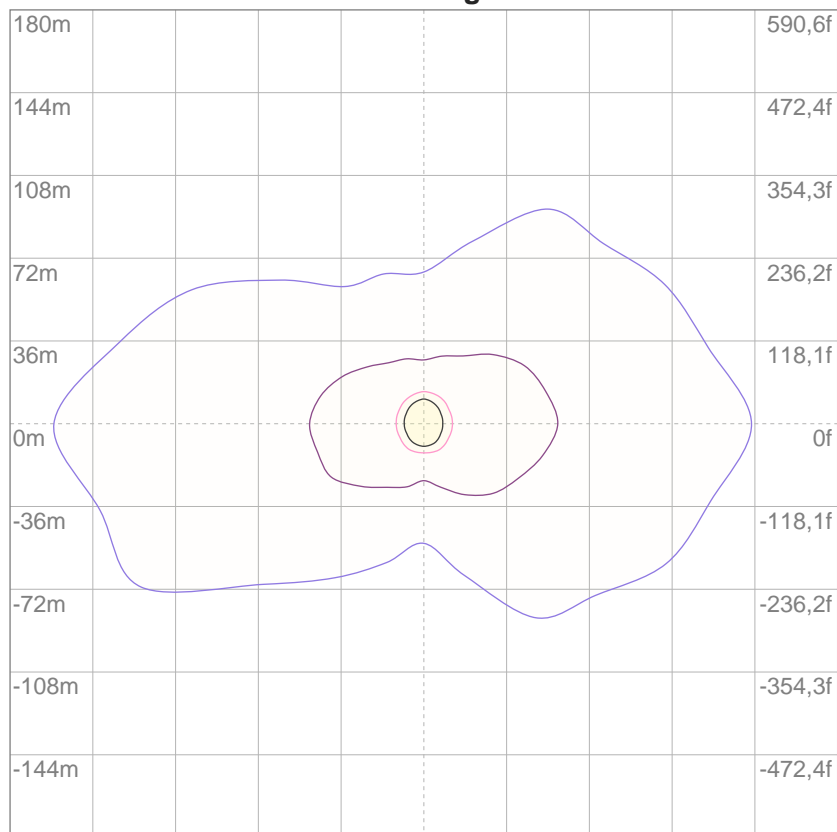


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
84,4	93,3	95,8	82,3	84,0	89,4	85,3	66,3	16,9	83,0	81,4	66,0	87,3	98,5	78,3

## ISO Diagrams

ISO lux diagram



3%	0,486 lx
5%	0,810 lx
10%	1,62 lx
30%	4,86 lx
50%	8,10 lx

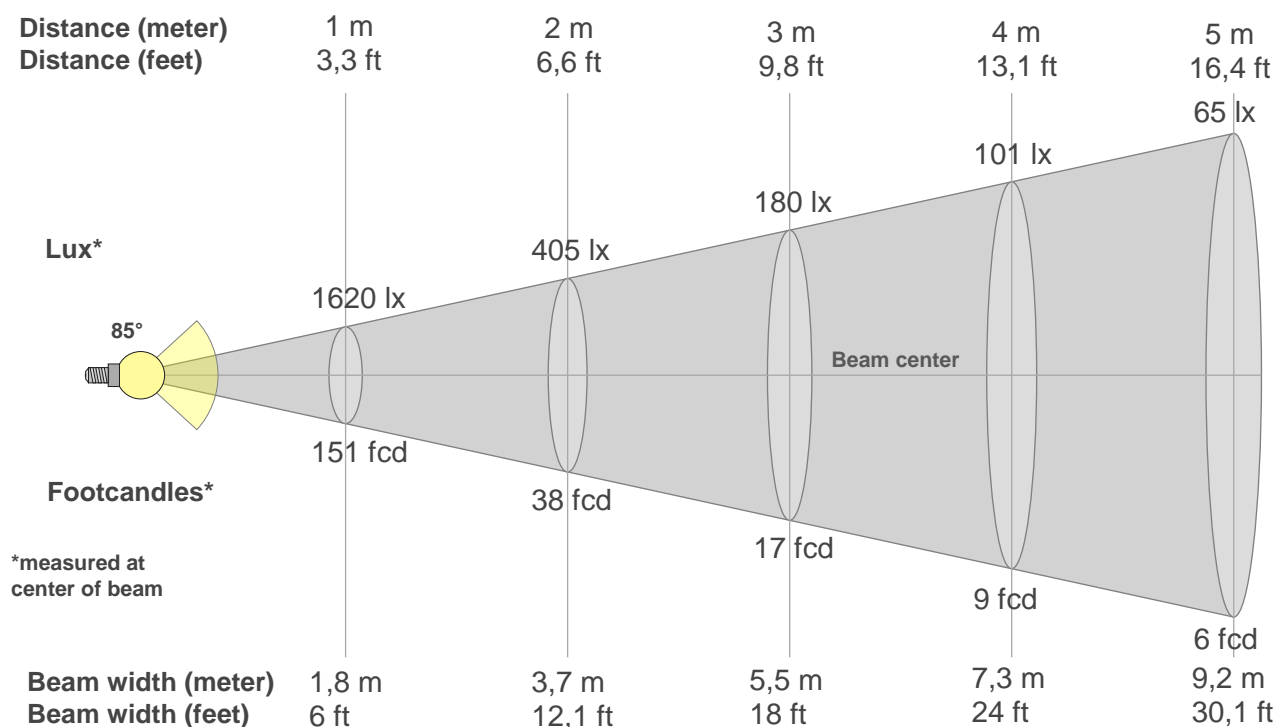
### Conditions:

Number of c-planes: 12

Lux at center: 16,2 lx

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

## Beam details



### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
1620lx	405lx	180lx	101lx	65lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
150,5fc	37,6fcd	16,7fcd	9,4fcd	6fcd	4,2fcd	3,1fcd	2,4fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd

### 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°
1620	1617	1600	1568	1508	1406	1251	1042	829	642	493	391	337	276	239	197	144	95	55	45
100%	100%	99%	97%	93%	87%	77%	64%	51%	40%	30%	24%	21%	17%	15%	12%	9%	6%	3%	3%

### 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°
1620	1606	1582	1547	1497	1428	1339	1226	1050	784	548	390	281	197	146	112	74	34	6	6
100%	99%	98%	95%	92%	88%	83%	76%	65%	48%	34%	24%	17%	12%	9%	7%	5%	2%	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°
1620	1616	1595	1547	1469	1354	1188	981	787	637	517	403	322	259	229	212	164	88	61	52
100%	100%	98%	96%	91%	84%	73%	61%	49%	39%	32%	25%	20%	16%	14%	13%	10%	5%	4%	3%

### 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°
1620	1614	1602	1570	1525	1464	1391	1290	1147	919	665	466	329	231	164	128	91	52	14	6
100%	100%	99%	97%	94%	90%	86%	80%	71%	57%	41%	29%	20%	14%	10%	8%	6%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
85°	150,1°	181,9°	83,4%	65,2%

## TM30 details

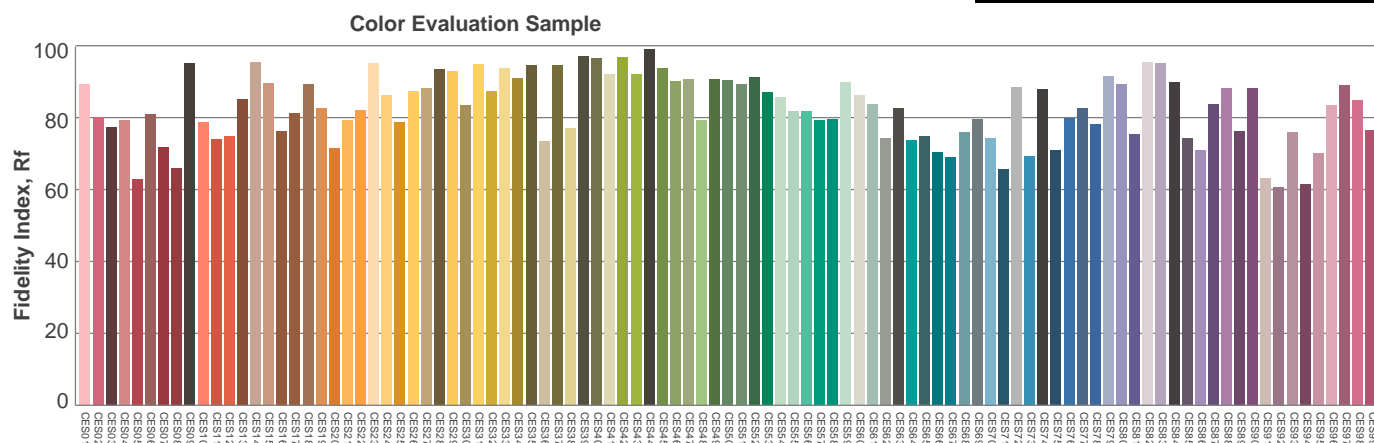
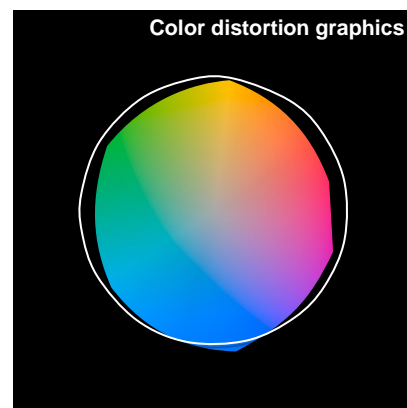
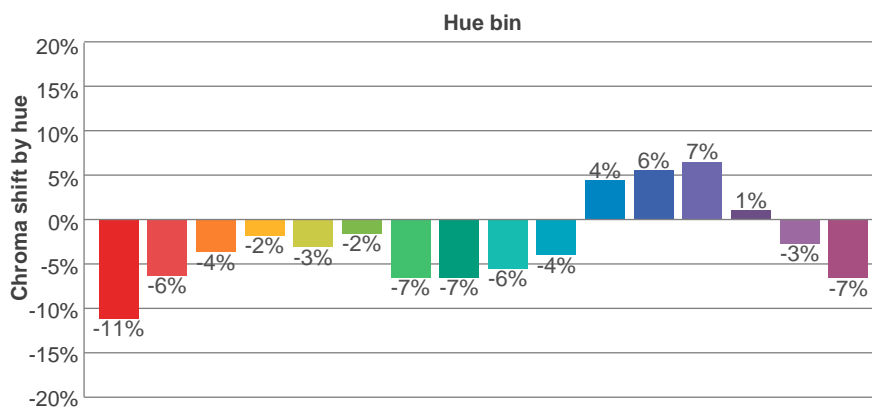
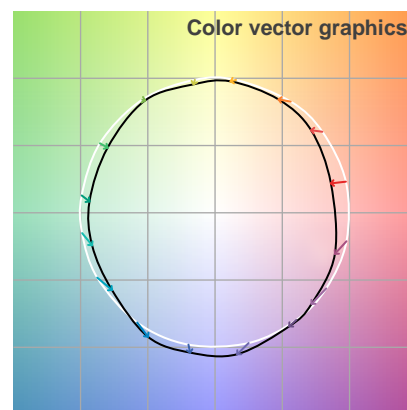
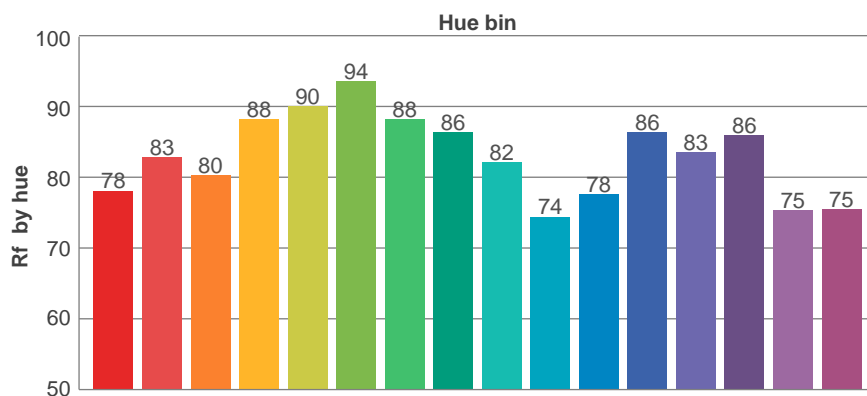
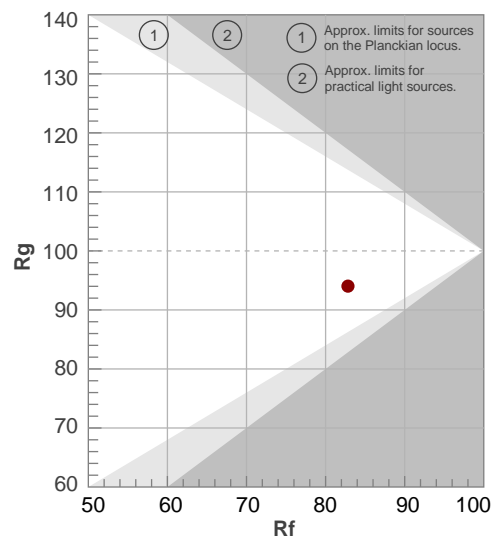
**Rf 82,8**

Fidelity index Rf

**Rg 94,0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	83	-6%	6%
3	80	-4%	8%
4	88	-2%	4%
5	90	-3%	2%
6	94	-2%	-2%
7	88	-7%	-1%
8	86	-7%	3%
9	82	-6%	10%
10	74	-4%	14%
11	78	4%	13%
12	86	6%	2%
13	83	7%	-10%
14	86	1%	-7%
15	75	-3%	-16%
16	75	-7%	-11%



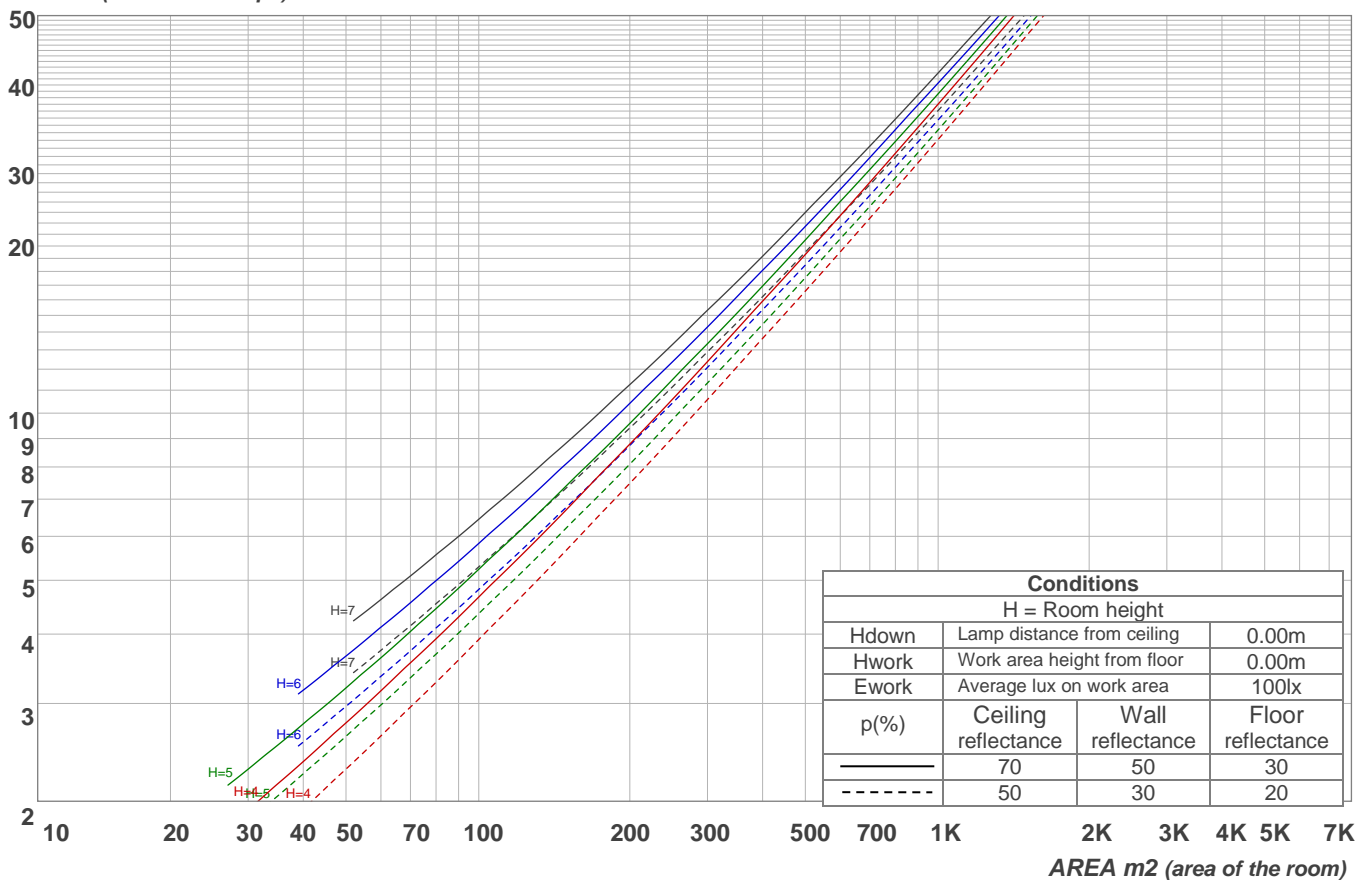
# Light planning

## 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	110	110	110	105	105	105	100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92	94	91	89	90	88	86	84
2	101	93	87	82	98	91	85	81	87	83	78	84	80	76	81	77	74	72
3	93	83	76	70	90	81	75	69	78	72	68	75	70	66	73	69	65	63
4	86	75	67	61	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	80	68	60	53	77	67	59	53	64	58	52	62	56	52	60	55	51	49
6	74	62	53	48	72	61	53	47	59	52	47	57	51	46	55	50	46	44
7	69	56	48	43	67	56	48	42	54	47	42	52	46	42	51	45	41	39
8	65	52	44	39	63	51	44	38	50	43	38	48	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

LAMPS (number of lamps)

## Luminaire budgetary diagram

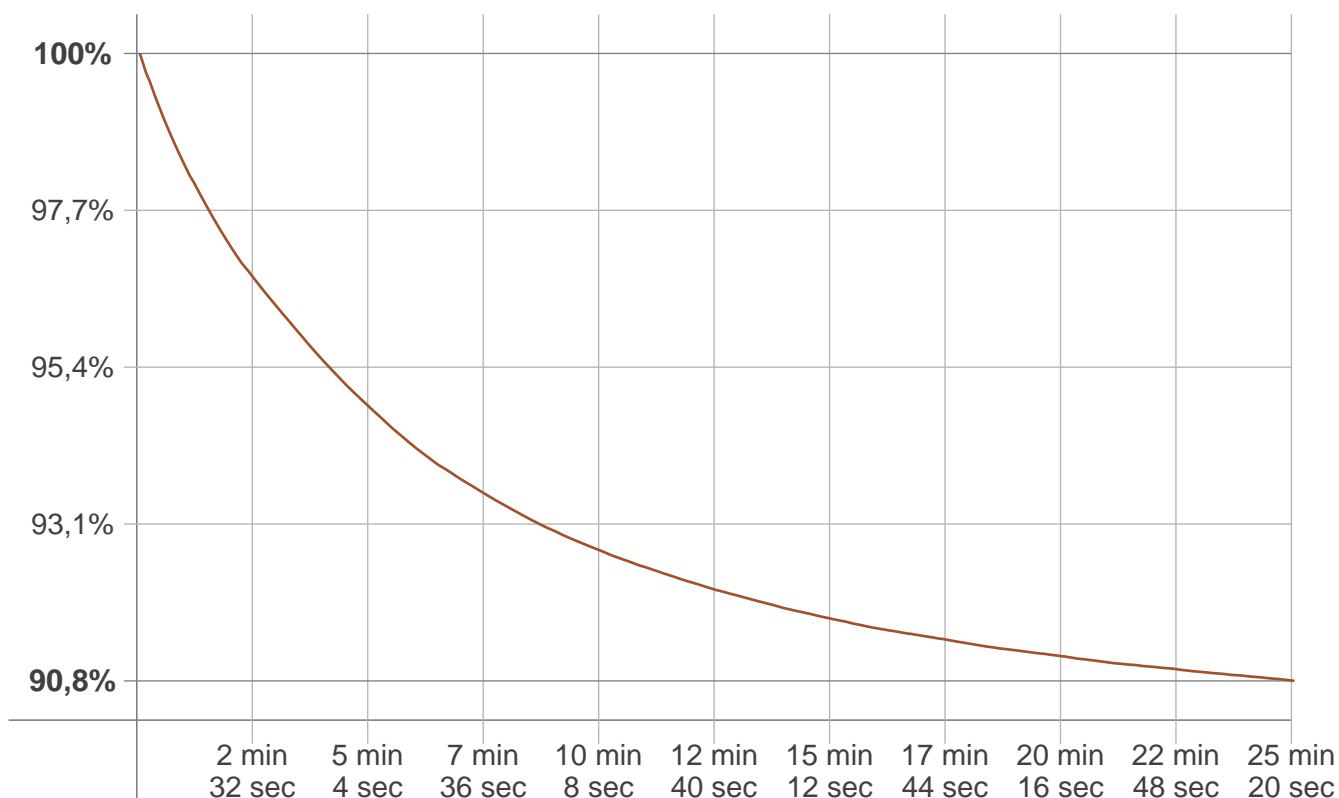


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
153 lm	439 lm	651 lm	703 lm	558 lm	375 lm	250 lm	173 lm	81,5 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
28,7 lm	9,35 lm	5,70 lm	5,78 lm	5,62 lm	5,12 lm	4,18 lm	2,76 lm	0,984 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	25 min 24 sec
Warmup variation	-9,3%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3967 K	+99 K	4066 K

Output change

Output start	Output change	Output end
3788 lm	-337 lm	3451 lm