

Light efficiency:

96 Lumen/Watt

Light quality:

CRI: 83,6

Color temperature:

4019 K

Output: 5384 lm

Peak: 1968 cd

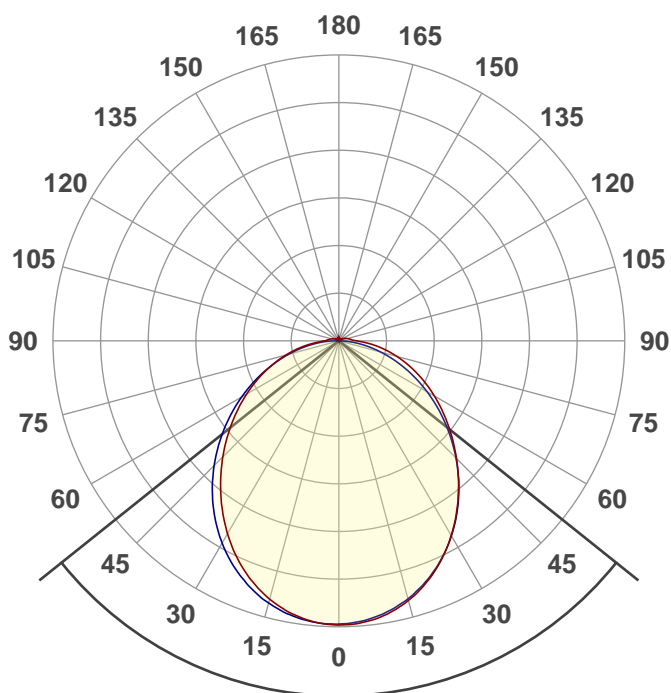
Power: 56,2 W

PF: 1,0



Product name:

E0261-ARTEM-S-044011743W



Beam angle

102,7°



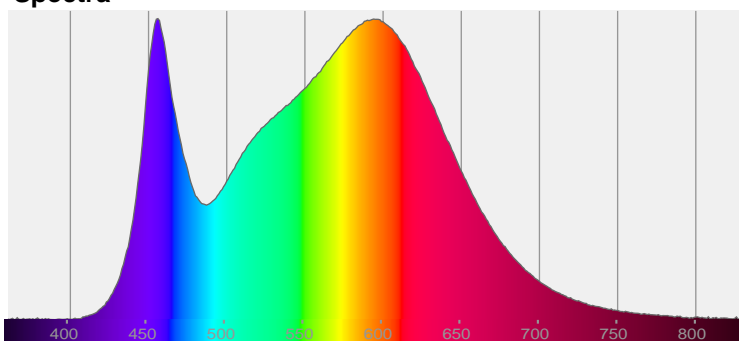
CIE 1931  
x: 0,380  
y: 0,375

THD Values:

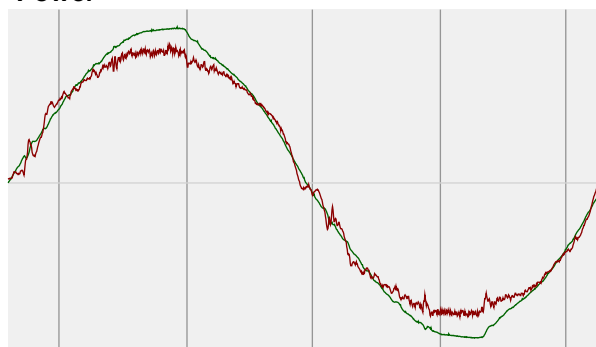
Voltage: 2,01%

Current: 8,31%

Spectra

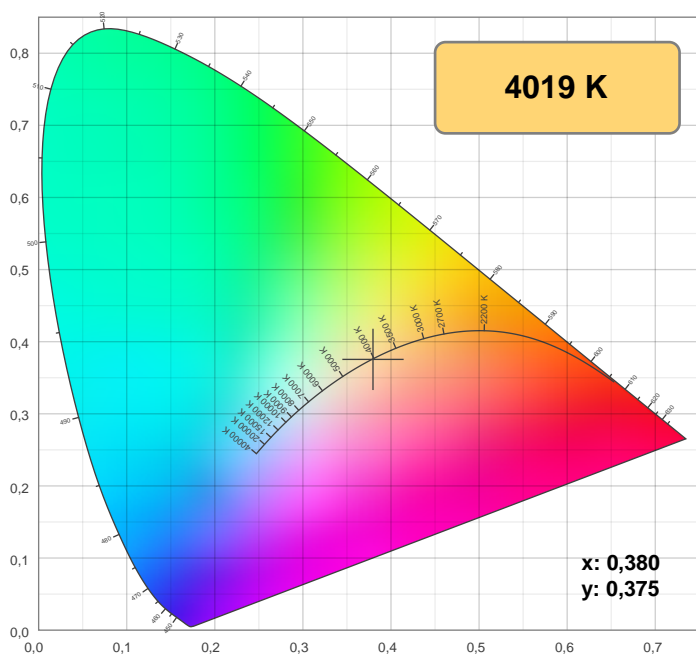


Power



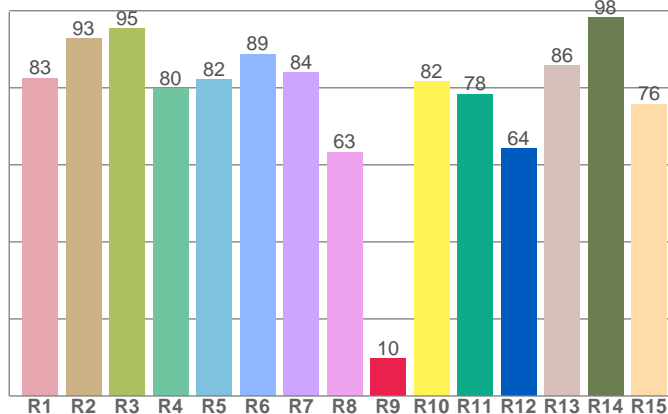
Voltage: 113 V  
Current: 0,498 A  
Frequency: 60 Hz

## Color details



CIE 1931

**CRI: 83,6 (R1-R8)**

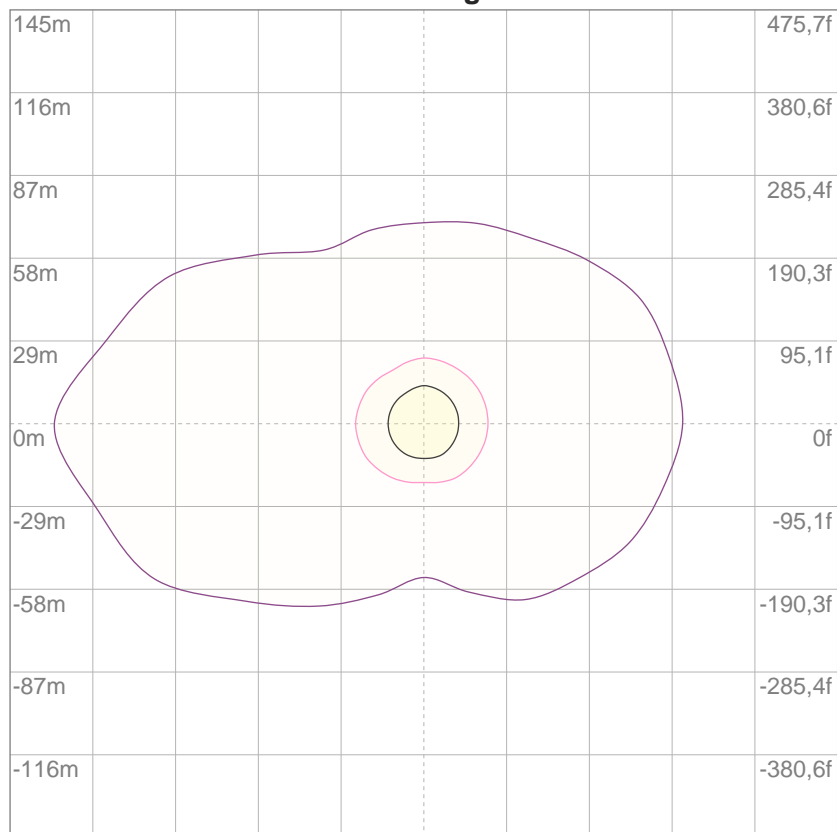


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
82,5	92,7	95,4	79,8	82,1	88,8	84,0	63,3	9,6	81,6	78,4	64,2	85,7	98,2	75,8

## ISO Diagrams

ISO lux diagram



3%	0,589 lx
5%	0,982 lx
10%	1,96 lx
30%	5,89 lx
50%	9,82 lx

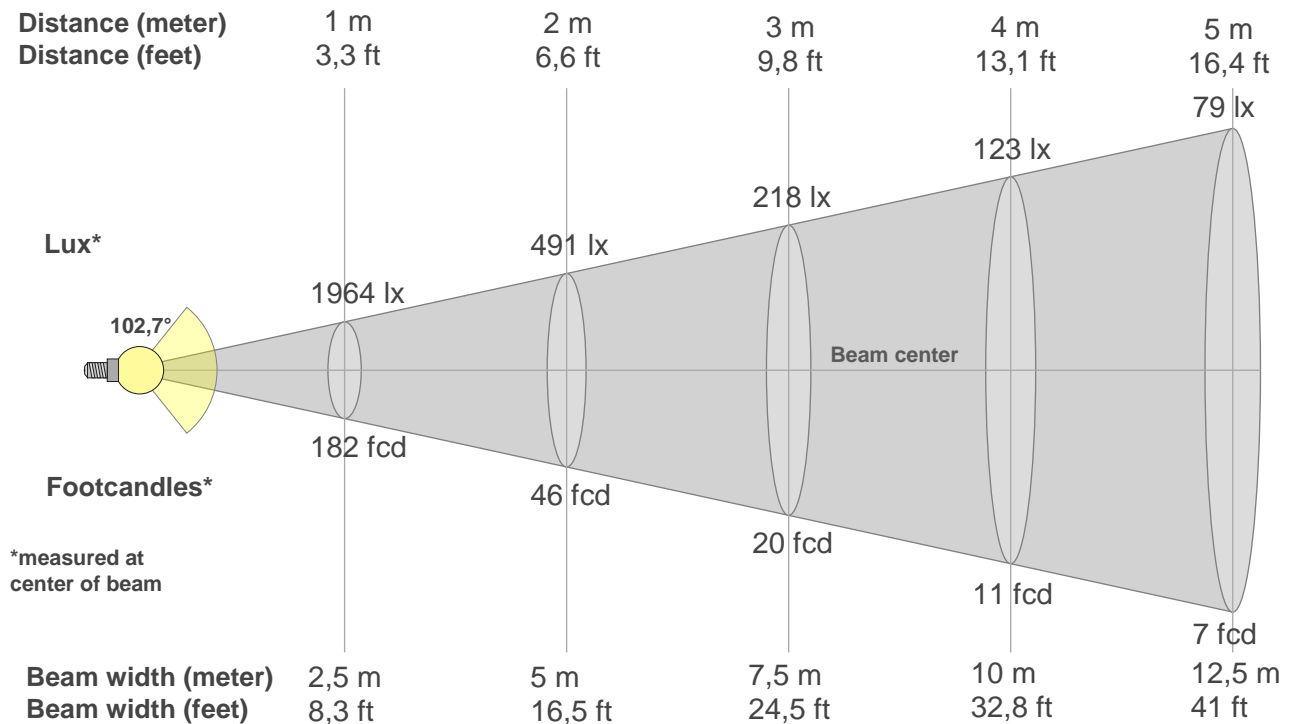
### Conditions:

Number of c-planes: 12

Lux at center: 19,6 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
1964lx	491lx	218lx	123lx	79lx	55lx	40lx	31lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
182,4fcd	45,6fcd	20,3fcd	11,4fcd	7,3fcd	5,1fcd	3,7fcd	2,9fcd	2,3fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,5fcd

### 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°
1964	1956	1922	1861	1778	1676	1556	1425	1290	1152	1018	888	764	644	528	416	309	208	124	89
100%	100%	98%	95%	91%	85%	79%	73%	66%	59%	52%	45%	39%	33%	27%	21%	16%	11%	6%	5%

### 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°
1964	1946	1907	1849	1770	1672	1558	1430	1292	1147	999	852	706	564	428	300	186	83	11	9
100%	99%	97%	94%	90%	85%	79%	73%	66%	58%	51%	43%	36%	29%	22%	15%	9%	4%	1%	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°
1964	1954	1914	1852	1766	1662	1542	1410	1274	1136	999	866	738	614	494	380	272	171	100	77
100%	99%	98%	94%	90%	85%	79%	72%	65%	58%	51%	44%	38%	31%	25%	19%	14%	9%	5%	4%

### 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°
1964	1955	1927	1879	1811	1722	1617	1496	1363	1222	1074	926	777	632	492	361	239	131	33	10
100%	100%	98%	96%	92%	88%	82%	76%	69%	62%	55%	47%	40%	32%	25%	18%	12%	7%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,7°	165,9°	194,7°	75,6%	52,8%

## TM30 details

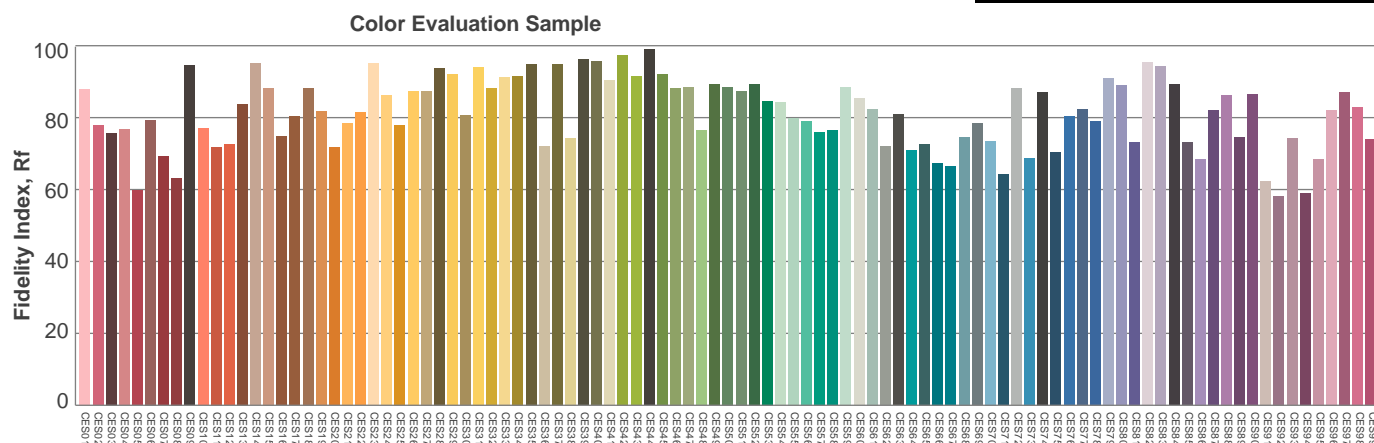
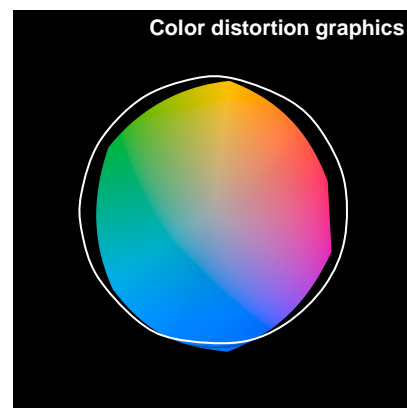
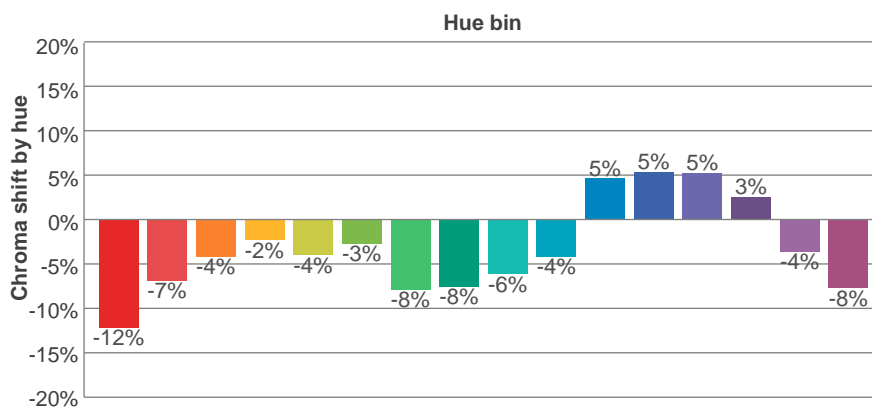
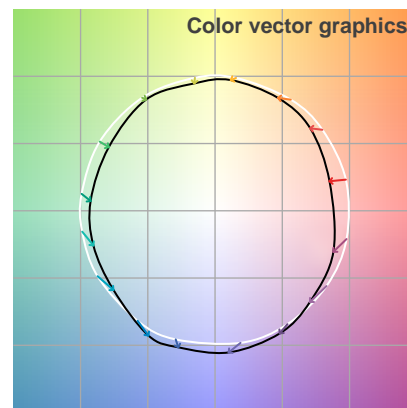
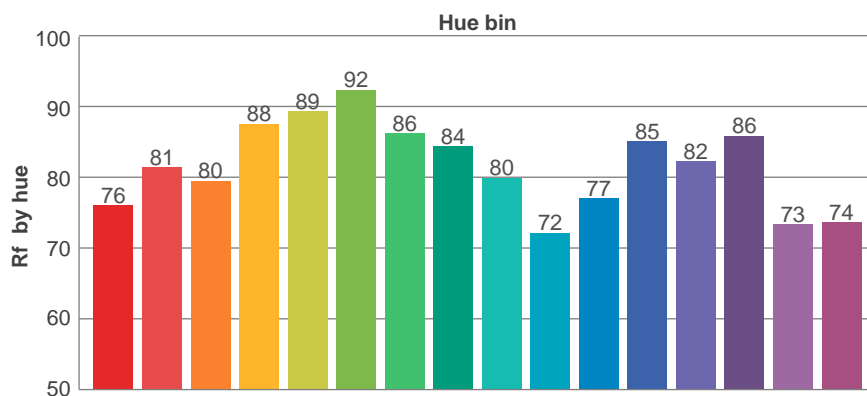
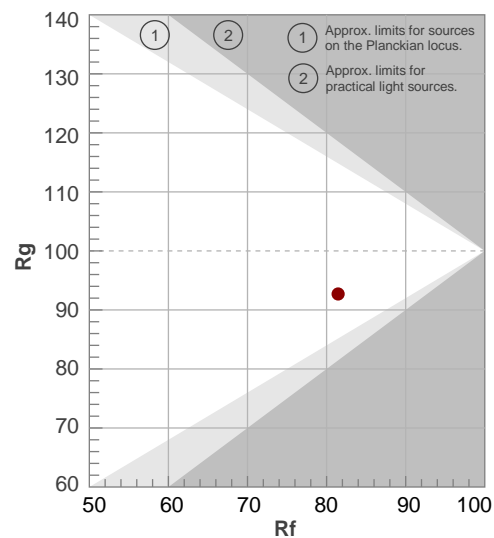
**Rf 81,5**

Fidelity index Rf

**Rg 92,7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-12%	1%
2	81	-7%	6%
3	80	-4%	9%
4	88	-2%	4%
5	89	-4%	1%
6	92	-3%	-2%
7	86	-8%	0%
8	84	-8%	4%
9	80	-6%	12%
10	72	-4%	15%
11	77	5%	13%
12	85	5%	3%
13	82	5%	-10%
14	86	3%	-9%
15	73	-4%	-17%
16	74	-8%	-11%



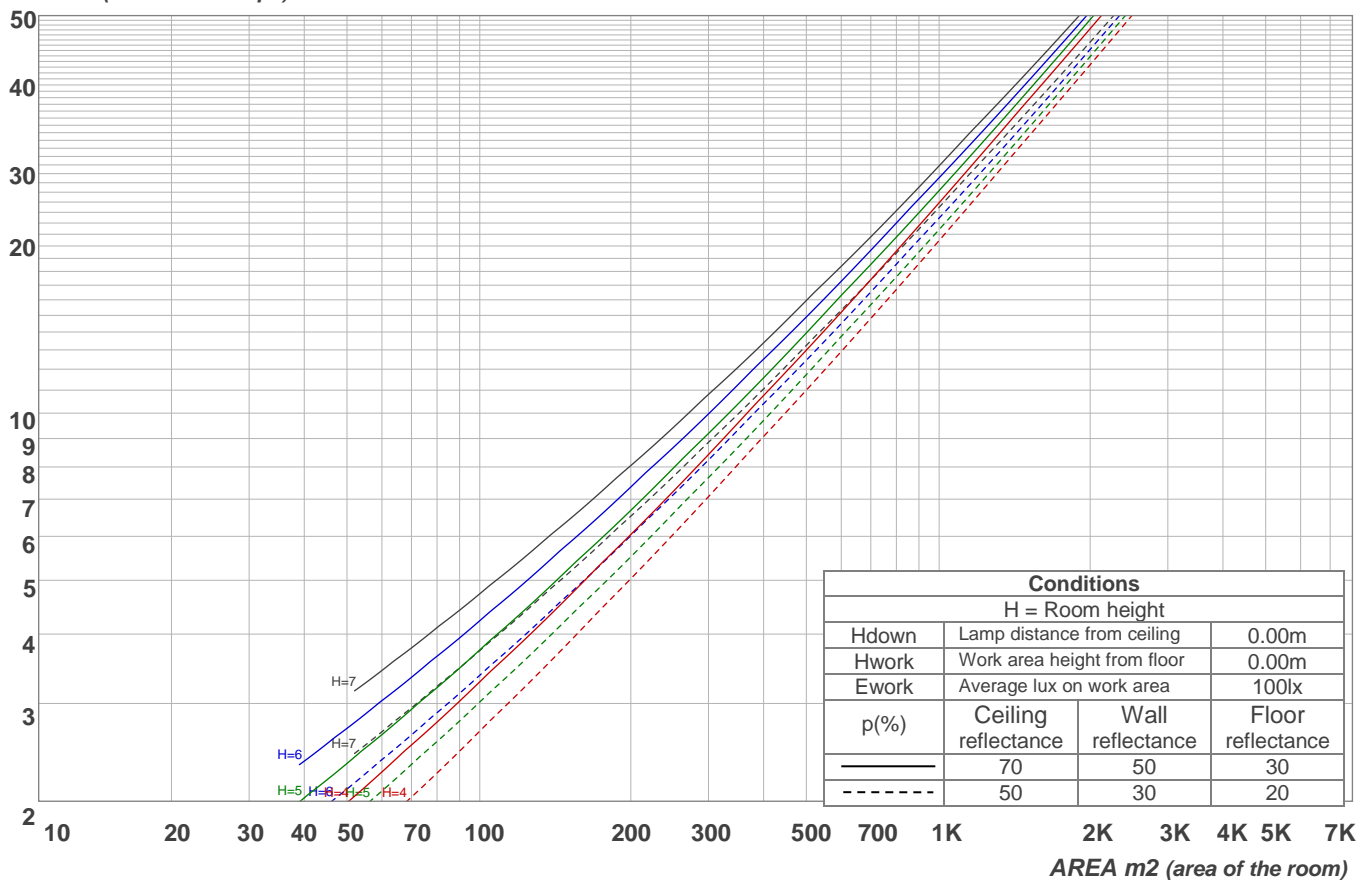
# Light planning

## 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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	80
2	98	89	82	77	95	87	81	76	83	78	73	80	75	71	76	73	69	67
3	89	79	70	64	87	77	69	63	73	67	62	70	65	60	67	63	59	56
4	82	70	61	54	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	75	62	53	47	73	61	53	46	59	51	46	56	50	45	54	49	44	42
6	70	56	47	41	68	55	47	41	53	46	40	51	45	40	49	44	39	37
7	65	51	42	36	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	28	38	33	28	26
10	53	40	32	27	51	39	31	26	38	31	26	37	30	26	36	30	26	24

LAMPS (number of lamps)

## Luminaire budgetary diagram

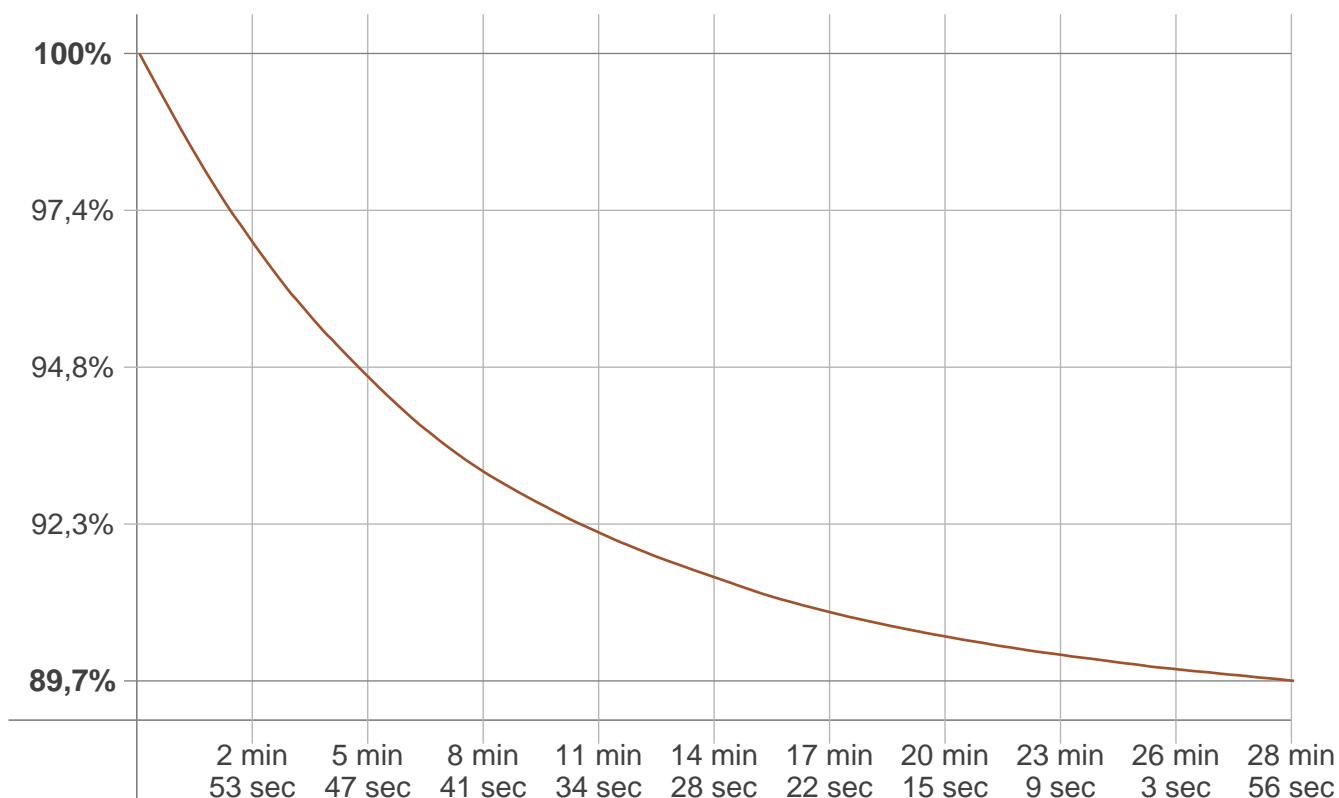


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
185 lm	524 lm	775 lm	900 lm	897 lm	788 lm	608 lm	390 lm	171 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
56,2 lm	34,4 lm	19,8 lm	11,1 lm	7,82 lm	6,87 lm	5,50 lm	3,61 lm	1,26 lm

## Stabilization

Warmup curve



Warmup result

Warmup time:	29 min 0 sec
Warmup variation	-10,4%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3893 K	+126 K	4019 K

Output change

Output start	Output change	Output end
5992 lm	-609 lm	5384 lm