

Light efficiency:

84 Lumen/Watt

Light quality:

CRI: 85,1

Color temperature:

4091 K

Output: 4773 lm

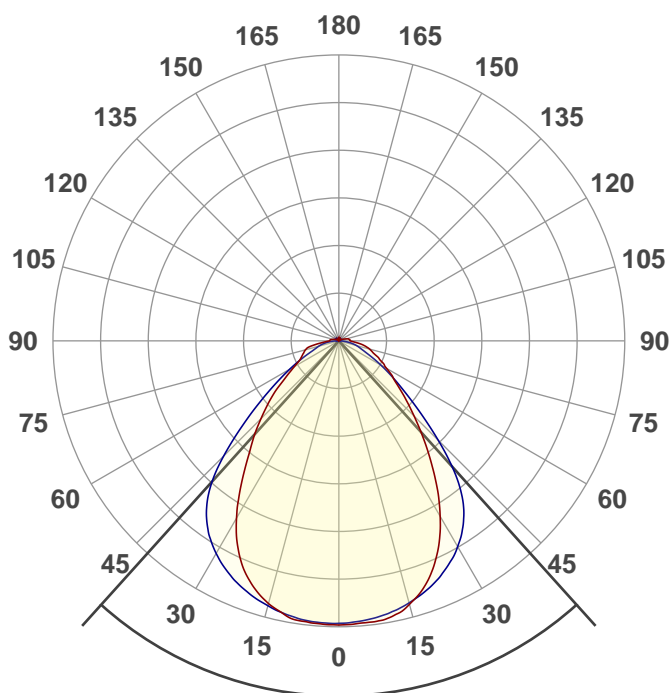
Peak: 2268 cd

Power: 56,5 W

PF: 1,0



Product name:
E0264-ARTEM-S-045011743W



Beam angle

84°



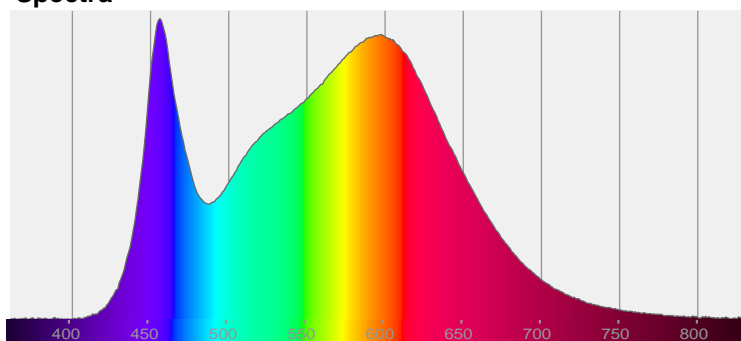
CIE 1931
x: 0,376
y: 0,371

THD Values:

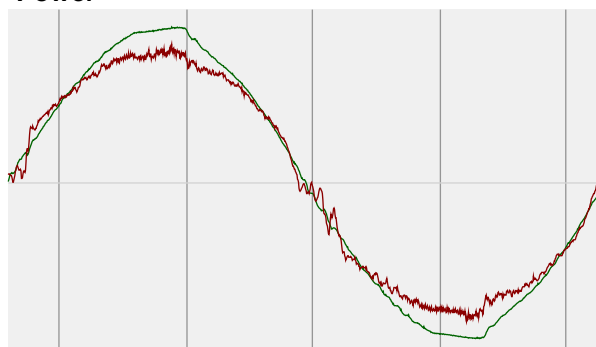
Voltage: 1,88%

Current: 8,1%

Spectra

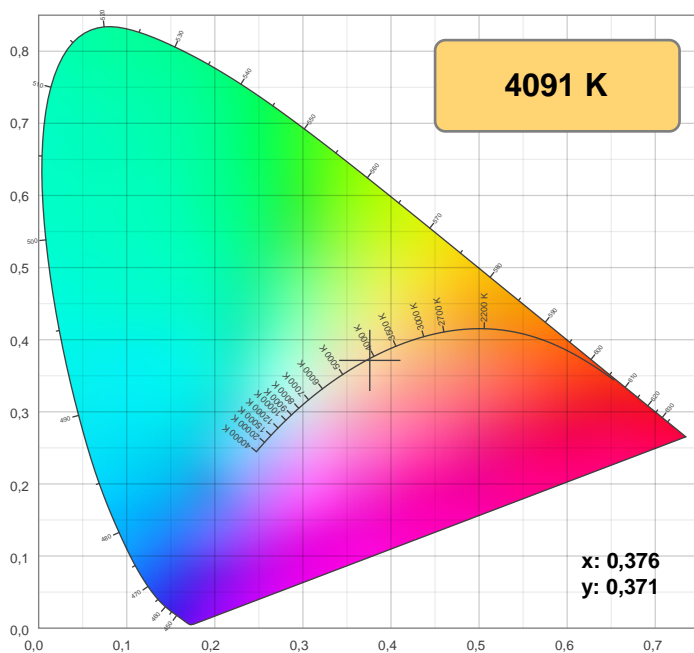


Power



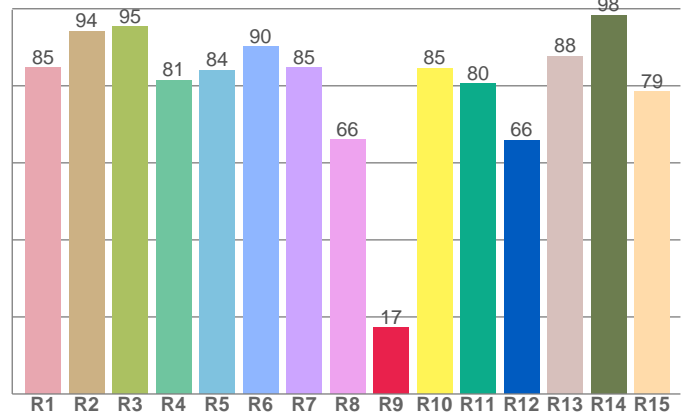
Voltage: 111 V
Current: 0,510 A
Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 85,1 (R1-R8)

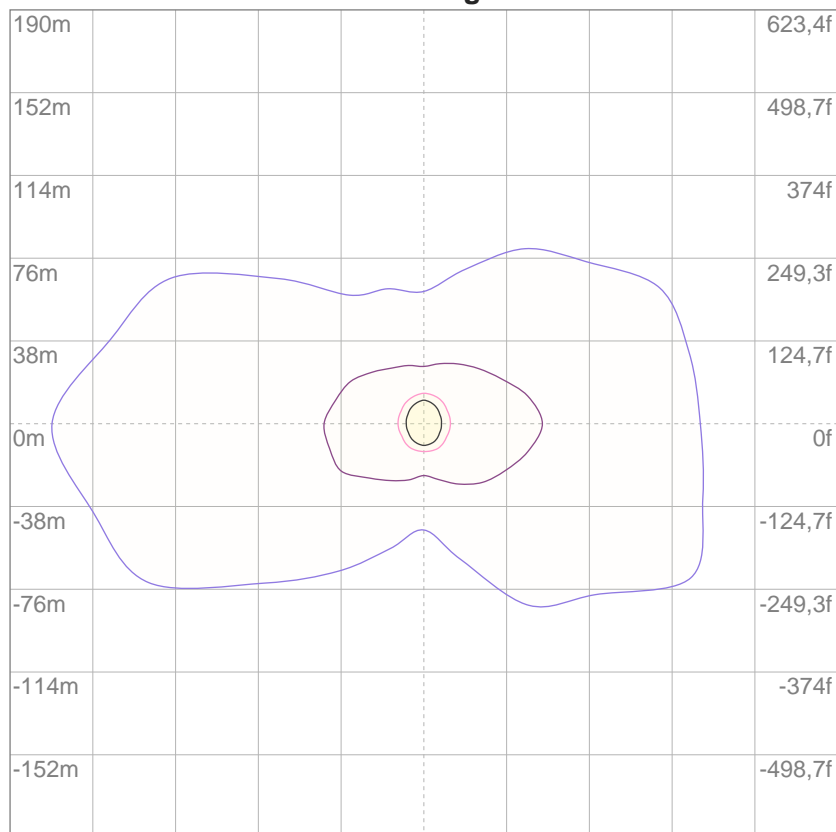


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
84,6	94,1	95,3	81,5	84,0	90,1	84,7	66,1	17,2	84,6	80,5	65,9	87,7	98,3	78,5

ISO Diagrams

ISO lux diagram



3%	0,678 lx
5%	1,13 lx
10%	2,26 lx
30%	6,78 lx
50%	11,3 lx

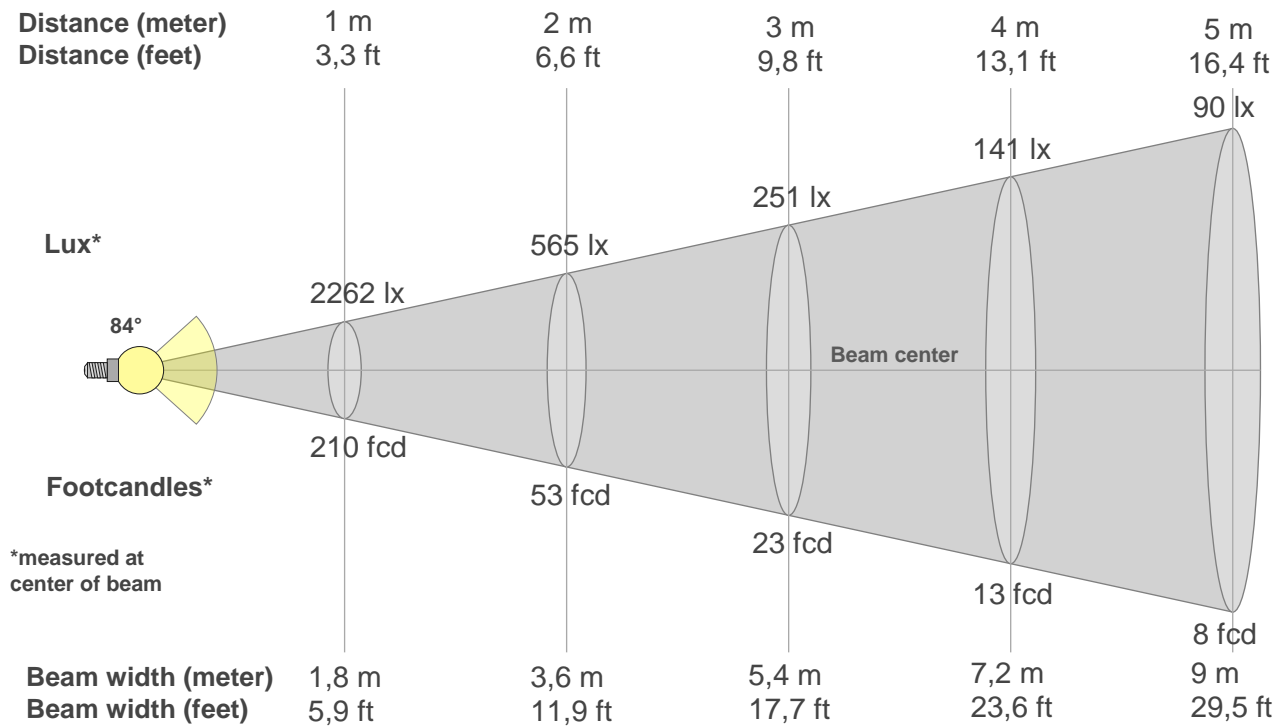
Conditions:

Number of c-planes: 12

Lux at center: 22,6 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
2262lx	565lx	251lx	141lx	90lx	63lx	46lx	35lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
210,1fcd	52,5fcd	23,3fcd	13,1fcd	8,4fcd	5,8fcd	4,3fcd	3,3fcd	2,6fcd	2,1fcd	1,7fcd	1,5fcd	1,2fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	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°
2262	2260	2249	2177	2052	1862	1617	1341	1076	850	674	537	441	364	299	254	200	132	91	88
100%	100%	99%	96%	91%	82%	71%	59%	48%	38%	30%	24%	19%	16%	13%	11%	9%	6%	4%	4%

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°
2262	2241	2213	2165	2101	2012	1897	1736	1489	1122	783	551	388	266	191	146	96	44	9	8
100%	99%	98%	96%	93%	89%	84%	77%	66%	50%	35%	24%	17%	12%	8%	6%	4%	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°
2262	2263	2246	2170	2054	1881	1634	1340	1086	880	700	529	409	338	304	276	212	120	75	71
100%	100%	99%	96%	91%	83%	72%	59%	48%	39%	31%	23%	18%	15%	13%	12%	9%	5%	3%	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°
2262	2252	2229	2189	2133	2059	1959	1825	1625	1300	935	652	454	311	216	167	120	67	18	8
100%	100%	99%	97%	94%	91%	87%	81%	72%	57%	41%	29%	20%	14%	10%	7%	5%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
84°	147,9°	187,5°	83,2%	65,1%

TM30 details

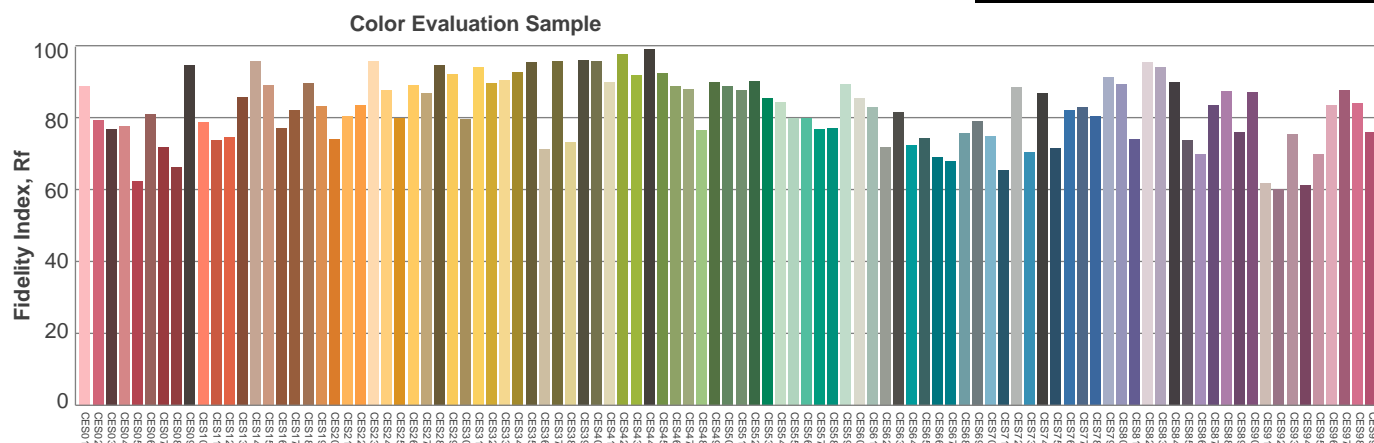
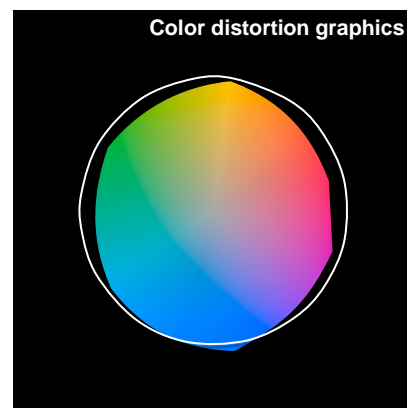
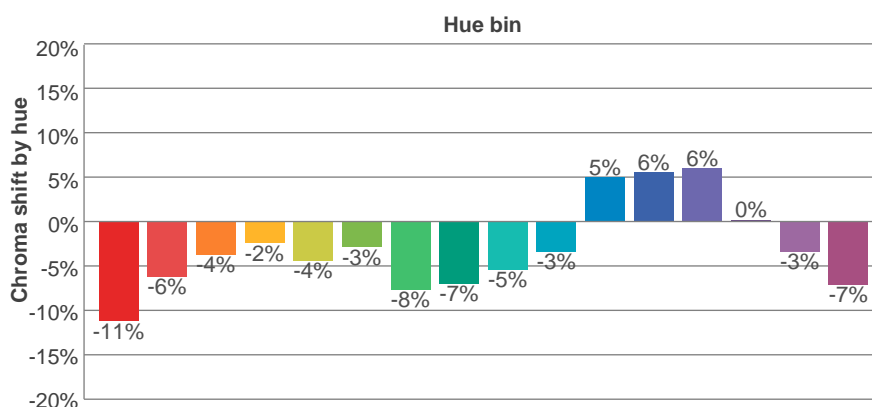
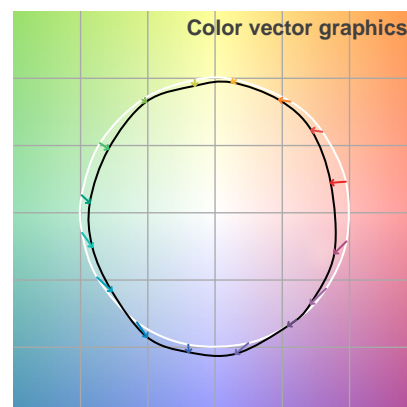
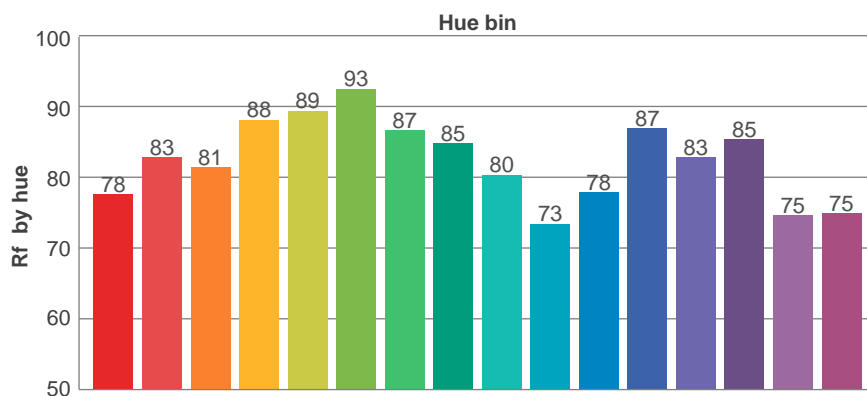
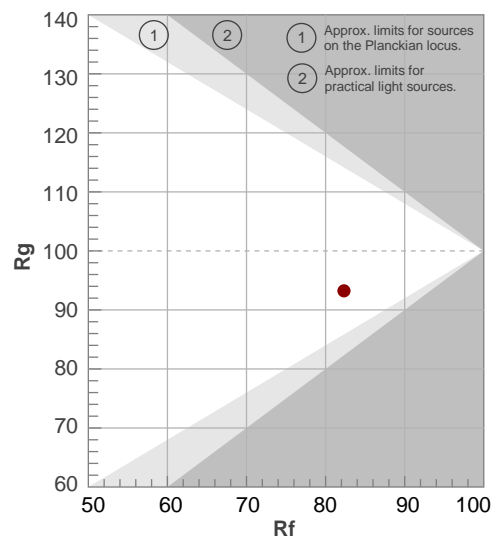
Rf 82,3

Fidelity index Rf

Rg 93,2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	83	-6%	5%
3	81	-4%	8%
4	88	-2%	3%
5	89	-4%	1%
6	93	-3%	-2%
7	87	-8%	0%
8	85	-7%	4%
9	80	-5%	12%
10	73	-3%	14%
11	78	5%	12%
12	87	6%	1%
13	83	6%	-11%
14	85	0%	-7%
15	75	-3%	-16%
16	75	-7%	-11%



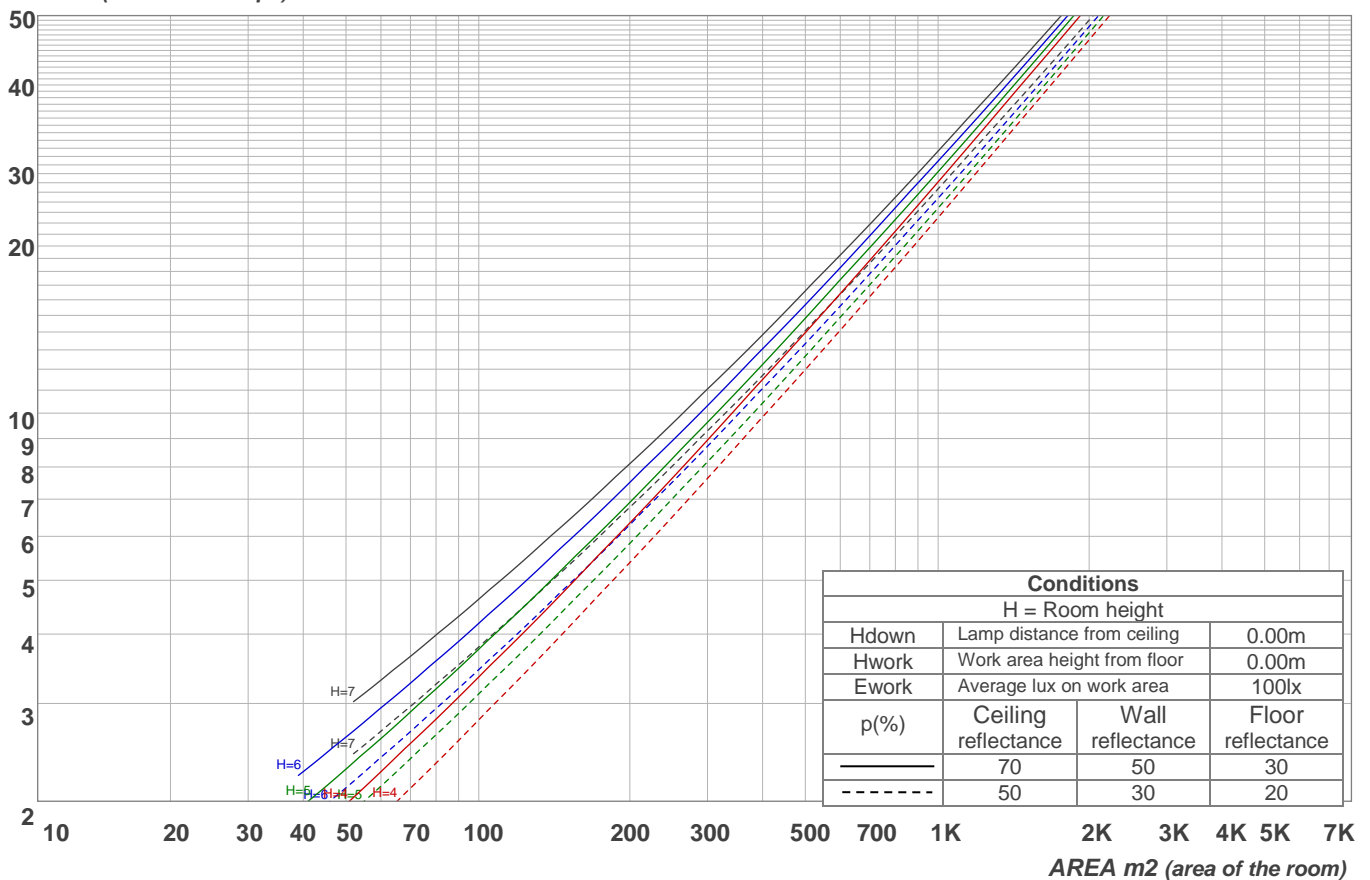
Light planning

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	109	105	101	97	106	102	99	96	98	95	92	93	91	89	89	87	86	83
2	101	93	87	82	98	91	85	81	87	82	78	83	80	76	80	77	74	72
3	93	83	76	70	90	82	75	69	78	72	68	75	70	66	72	68	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	54	77	67	59	53	64	58	52	62	56	52	60	55	51	49
6	74	62	54	48	72	61	53	47	59	52	47	57	51	46	55	50	46	44
7	69	57	49	43	67	56	48	43	54	47	42	52	46	42	51	45	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	42	38	36
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	33
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

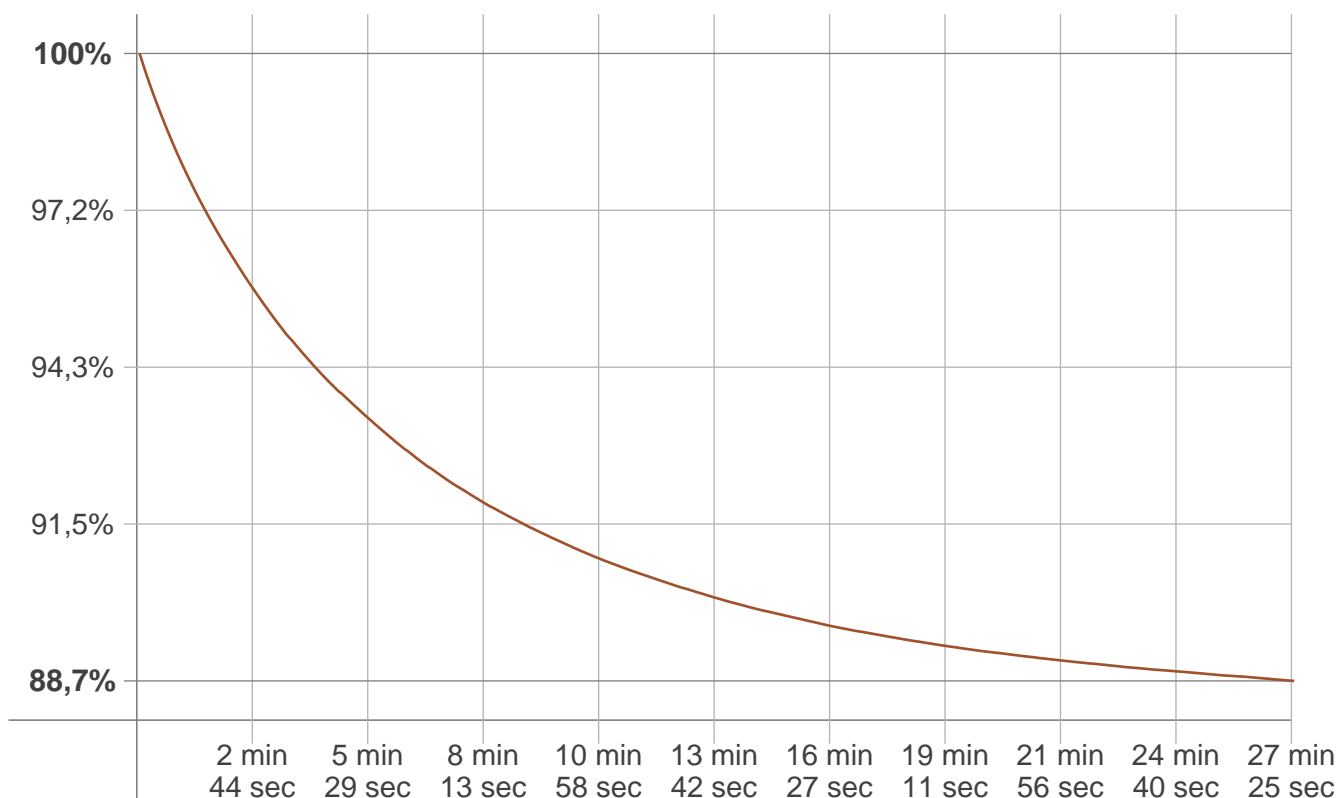


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
215 lm	615 lm	902 lm	960 lm	765 lm	513 lm	334 lm	227 lm	113 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
49,7 lm	29,3 lm	15,0 lm	9,20 lm	7,89 lm	7,13 lm	5,82 lm	3,89 lm	1,37 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	27 min 29 sec
Warmup variation	-11,4%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3990 K	+101 K	4091 K

Output change

Output start	Output change	Output end
5364 lm	-591 lm	4773 lm