

Light efficiency:

94 Lumen/Watt

Light quality:

CRI: 83,1

Color temperature:

4018 K

Output: 4036 lm

Peak: 1593 cd

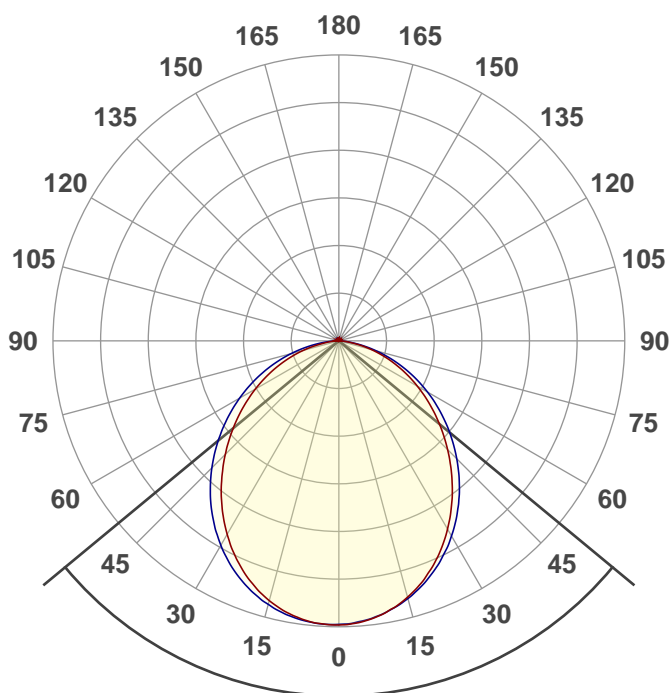
Power: 42,7 W

PF: 1,0



Product name:

E0268-ARTEM-S-2x13.8W(LV2)-PH-4K-OPA 02



Beam angle

100,8°



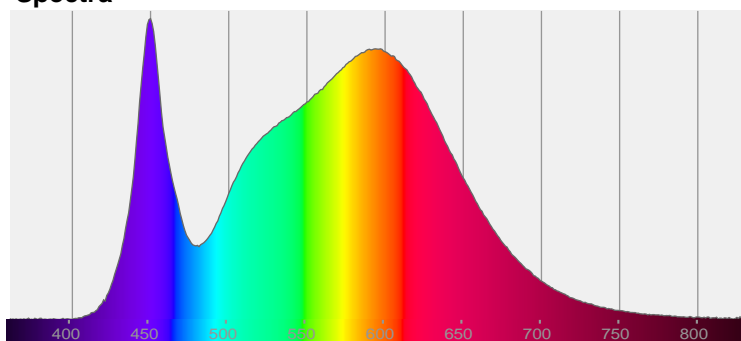
CIE 1931
x: 0,379
y: 0,373

THD Values:

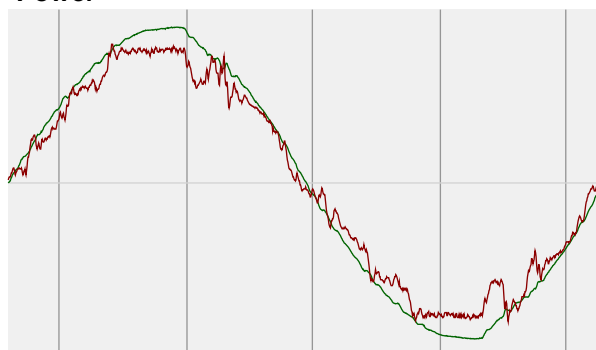
Voltage: 2,05%

Current: 8,57%

Spectra

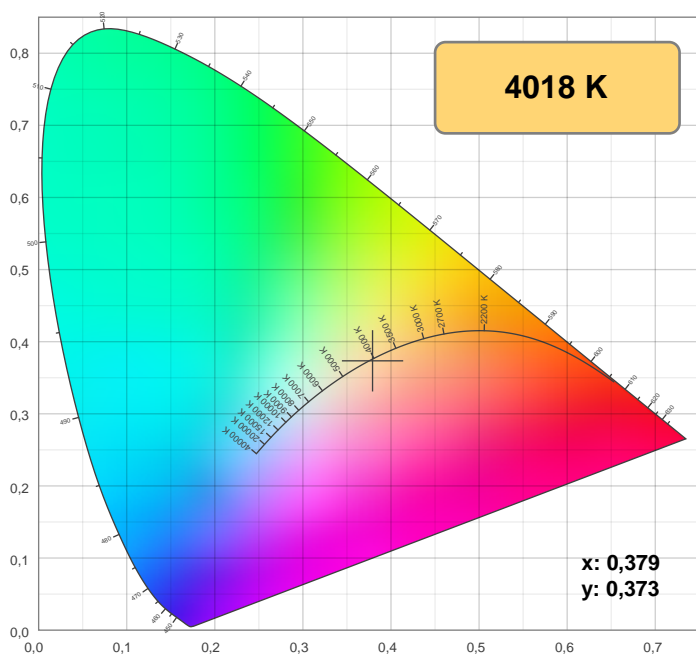


Power



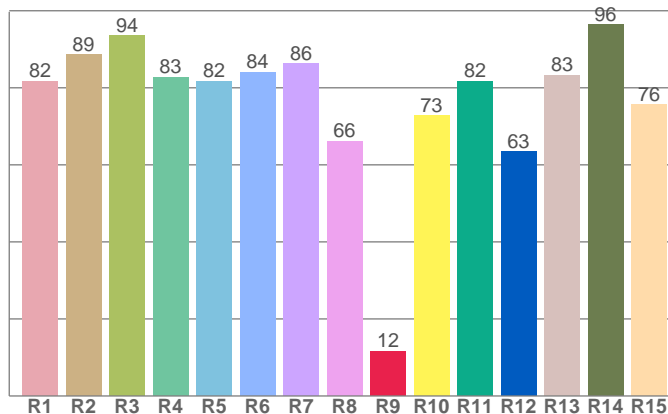
Voltage: 113 V
Current: 0,379 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 83,1 (R1-R8)

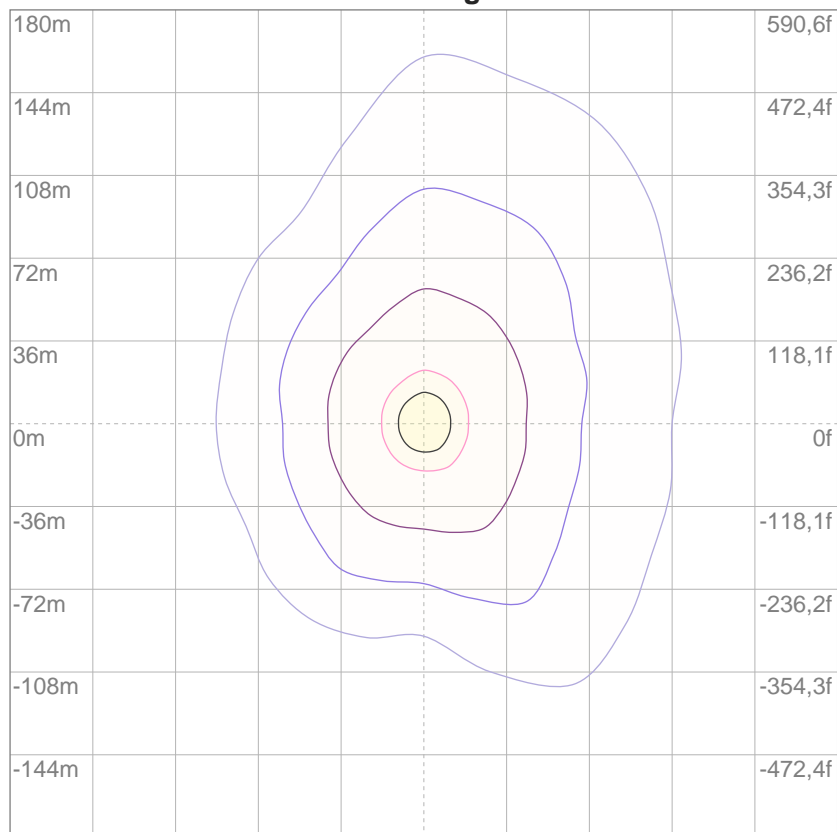


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
81,7	88,6	93,5	82,8	81,7	84,0	86,2	66,1	11,6	72,7	81,8	63,4	83,3	96,4	75,6

ISO Diagrams

ISO lux diagram



- 3% 0,477 lx
- 5% 0,795 lx
- 10% 1,59 lx
- 30% 4,77 lx
- 50% 7,95 lx

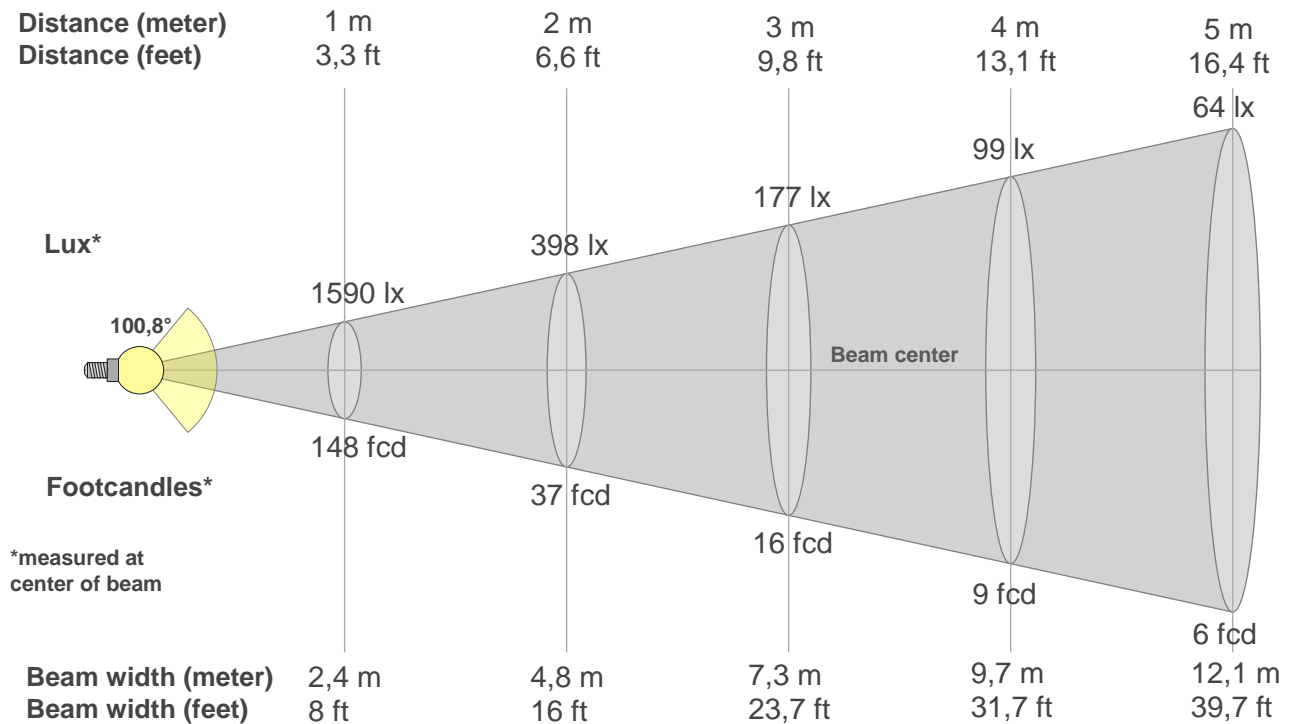
Conditions:

Number of c-planes: 12

Lux at center: 15,9 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
1590lx	398lx	177lx	99lx	64lx	44lx	32lx	25lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
147,8fcd	36,9fcd	16,4fcd	9,2fcd	5,9fcd	4,1fcd	3fcd	2,3fcd	1,8fcd	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°
1590	1579	1544	1488	1414	1324	1219	1104	985	862	742	624	508	397	290	188	94	36	7	6
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	47%	39%	32%	25%	18%	12%	6%	2%	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°
1590	1575	1543	1496	1433	1355	1263	1161	1051	935	816	695	574	453	333	217	113	35	8	7
100%	99%	97%	94%	90%	85%	79%	73%	66%	59%	51%	44%	36%	28%	21%	14%	7%	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°
1590	1587	1557	1508	1439	1354	1253	1141	1022	901	778	659	541	425	314	206	105	45	7	6
100%	100%	98%	95%	90%	85%	79%	72%	64%	57%	49%	41%	34%	27%	20%	13%	7%	3%	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°
1590	1587	1567	1530	1477	1408	1324	1227	1121	1007	888	766	643	520	397	278	166	69	14	7
100%	100%	99%	96%	93%	89%	83%	77%	70%	63%	56%	48%	40%	33%	25%	17%	10%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
100,8°	156,2°	171,1°	80,5%	56,7%

TM30 details

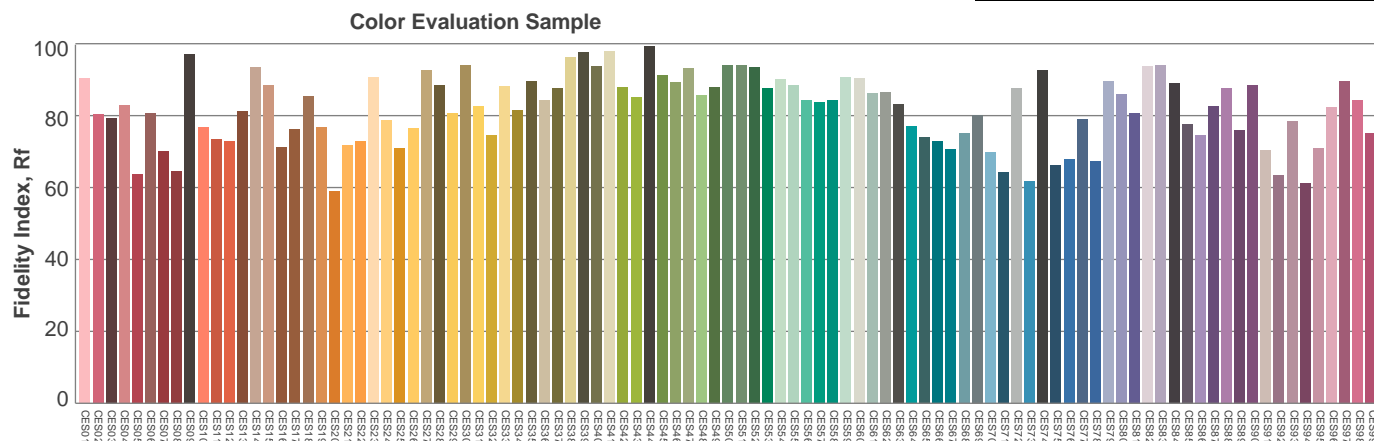
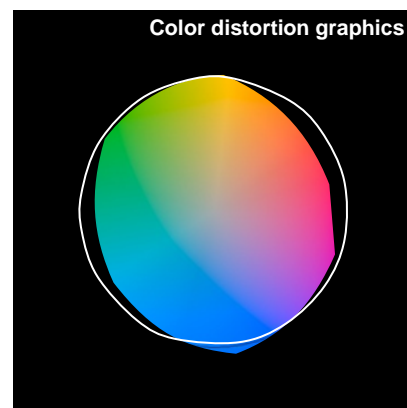
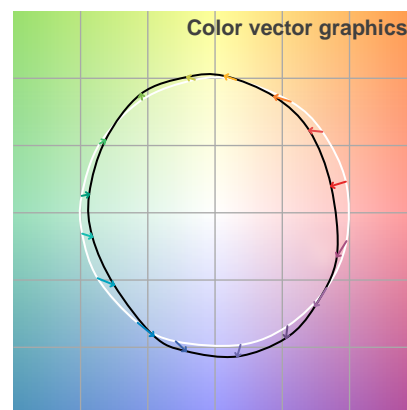
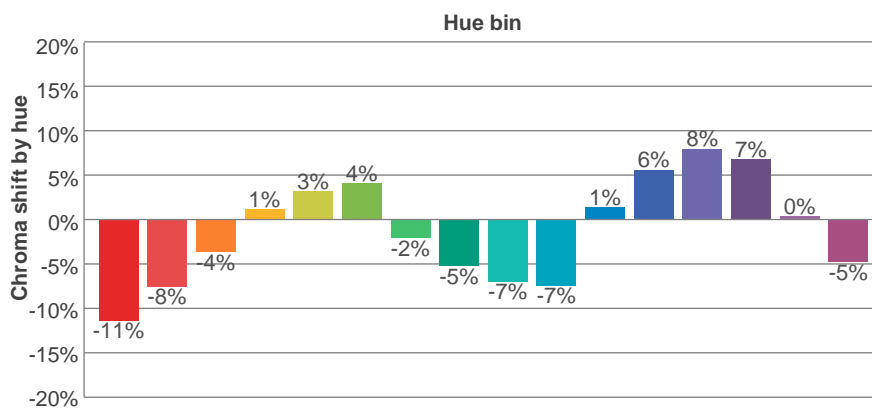
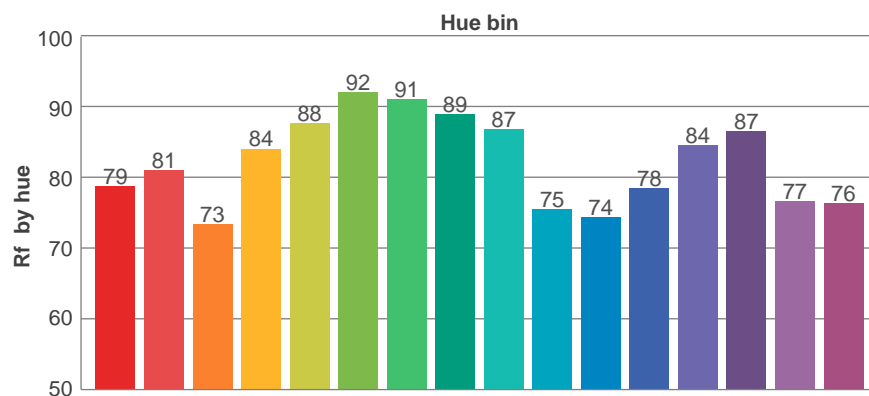
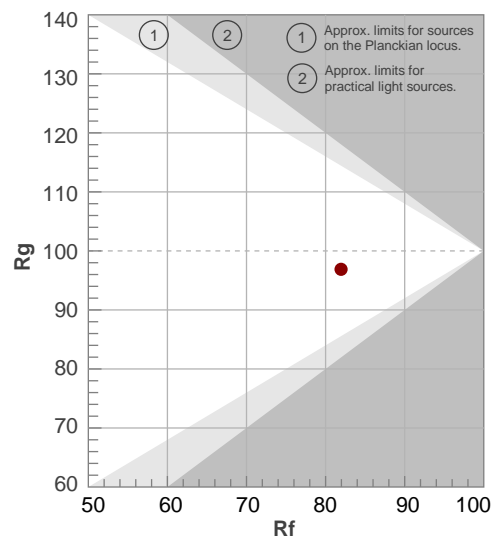
Rf 82,0

Fidelity index Rf

Rg 96,9

Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-1%
2	81	-8%	6%
3	73	-4%	12%
4	84	1%	9%
5	88	3%	5%
6	92	4%	-2%
7	91	-2%	-4%
8	89	-5%	-2%
9	87	-7%	4%
10	75	-7%	11%
11	74	1%	15%
12	78	6%	9%
13	84	8%	-4%
14	87	7%	-6%
15	77	0%	-16%
16	76	-5%	-13%



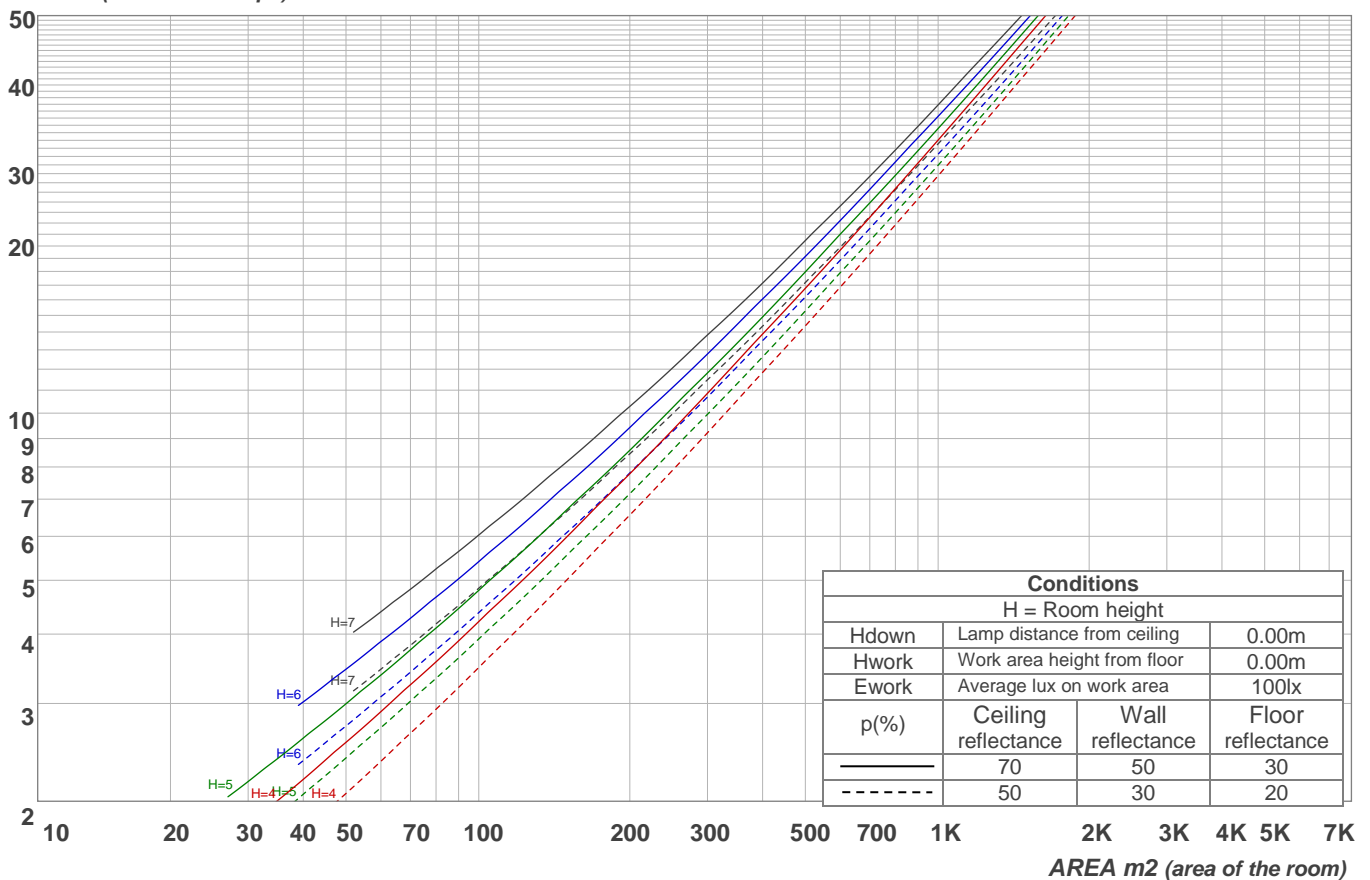
Light planning

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	106	106	106	101	101	101	99
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	92	85	79	97	90	84	78	86	81	76	82	78	74	79	76	73	70
3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	31	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	37	32	27	26

LAMPS (number of lamps)

Luminaire budgetary diagram

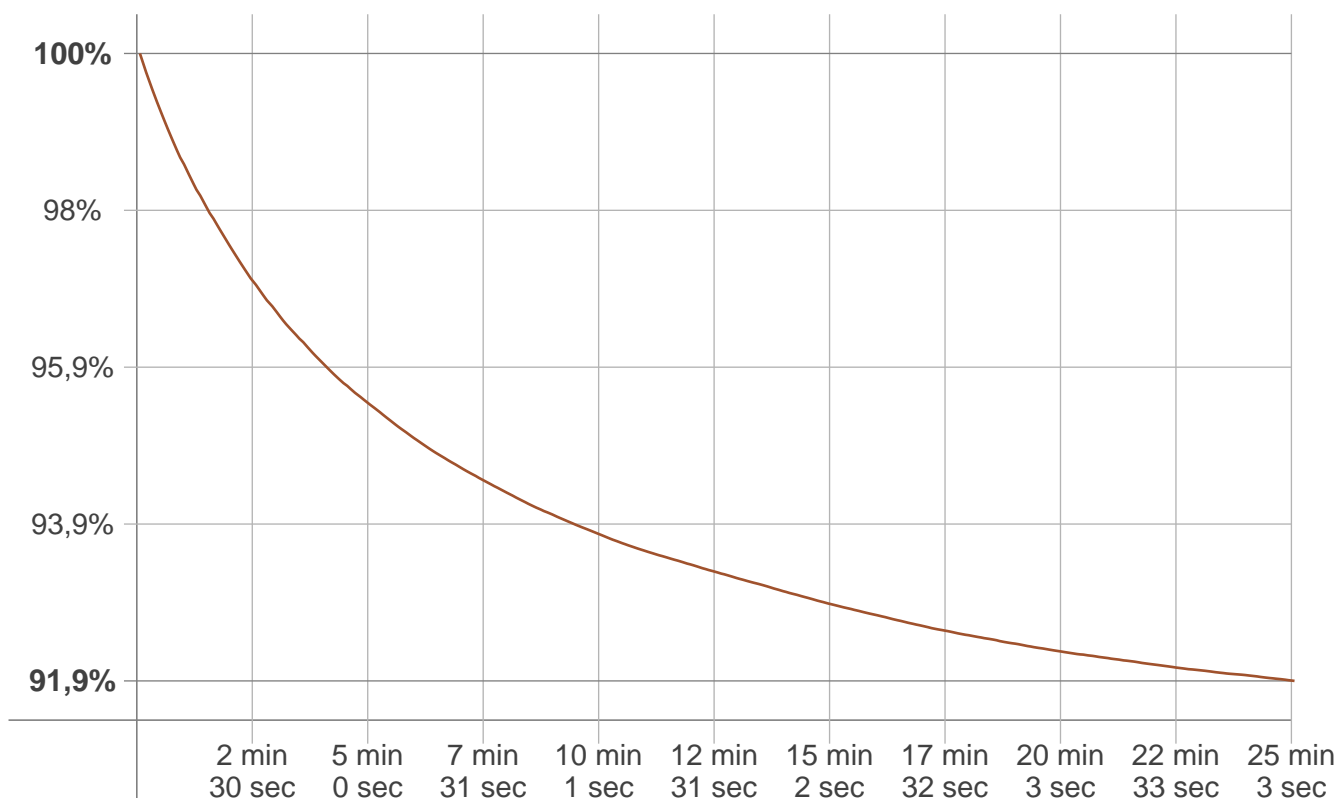


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
150 lm	424 lm	625 lm	724 lm	714 lm	613 lm	444 lm	237 lm	57,2 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
7,32 lm	6,33 lm	6,36 lm	6,49 lm	6,26 lm	5,63 lm	4,56 lm	3,00 lm	1,05 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	25 min 8 sec
Warmup variation	-8,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3963 K	+55 K	4018 K

Output change

Output start	Output change	Output end
4381 lm	-345 lm	4036 lm