

Light efficiency:

88 Lumen/Watt

Light quality:

CRI: 83,7

Color temperature:

4032 K

Output: 4021 lm

Peak: 1466 cd

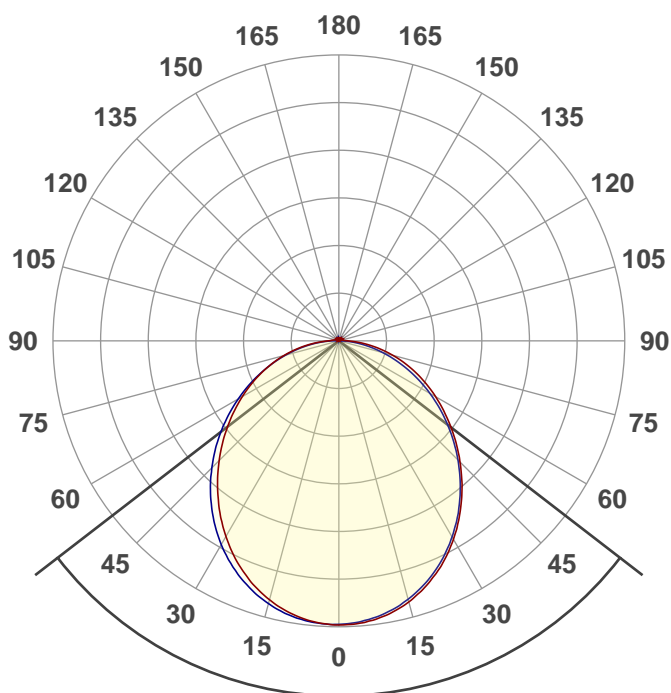
Power: 45,7 W

PF: 1,0



Product name:

E0262-ARTEM-S-044011730W



Beam angle

104,7°



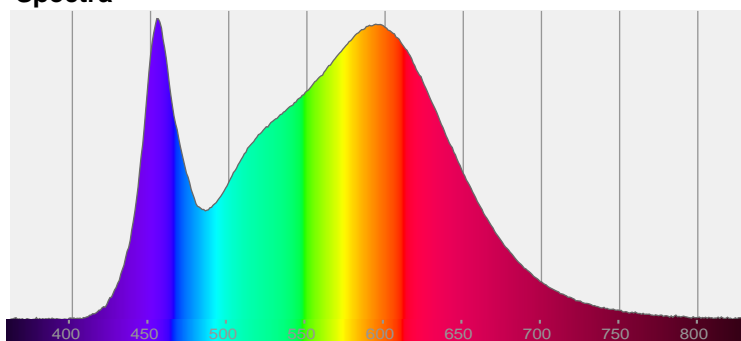
CIE 1931
x: 0,379
y: 0,374

THD Values:

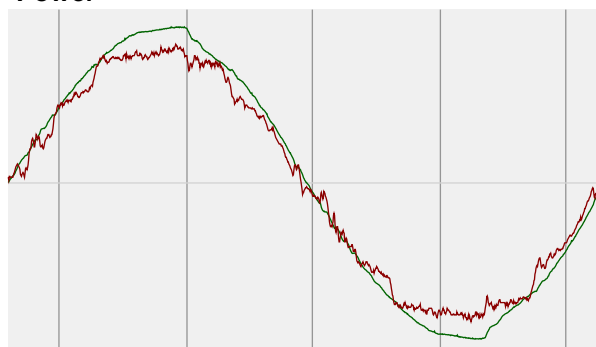
Voltage: 2,06%

Current: 5,77%

Spectra

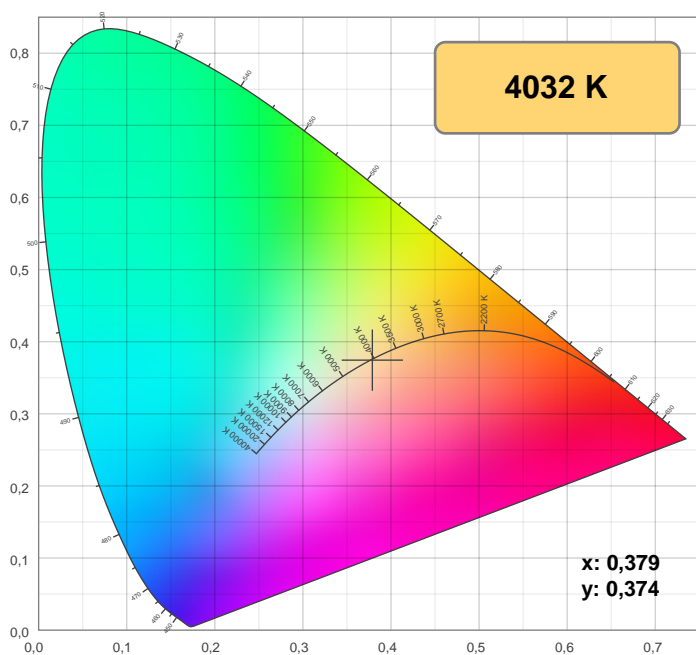


Power



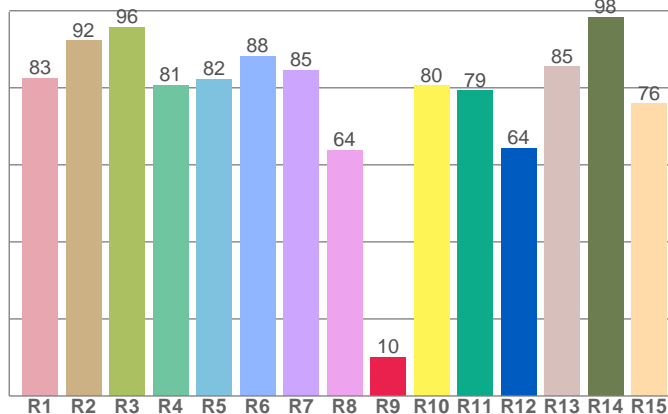
Voltage: 113 V
Current: 0,406 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 83,7 (R1-R8)

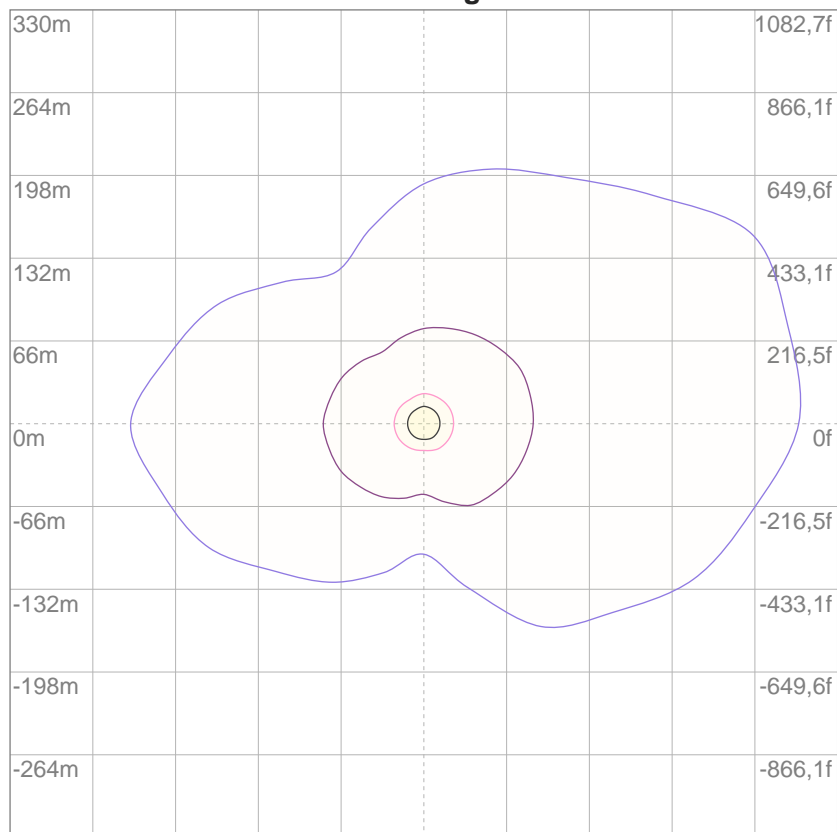


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
82,5	92,2	95,7	80,6	82,2	88,1	84,6	63,8	10,1	80,5	79,3	64,3	85,4	98,3	75,9

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,438 lx
5%	0,731 lx
10%	1,46 lx
30%	4,38 lx
50%	7,31 lx

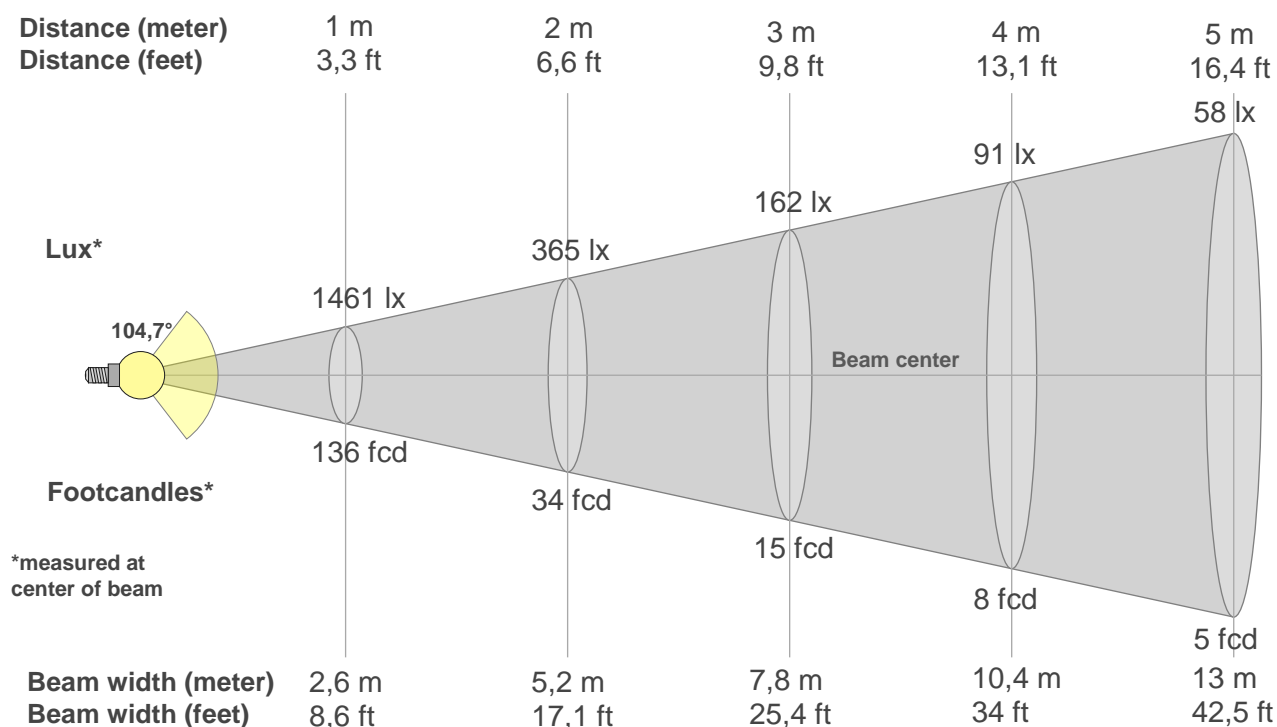
Conditions:

Number of c-planes: 12

Lux at center: 14,6 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
1461lx	365lx	162lx	91lx	58lx	41lx	30lx	23lx	18lx	15lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	5lx	4lx	4lx
135,8fc	33,9fcd	15,1fcd	8,5fcd	5,4fcd	3,8fcd	2,8fcd	2,1fcd	1,7fcd	1,4fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd

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°
1461	1457	1433	1393	1335	1265	1181	1087	987	883	779	675	576	478	382	288	197	113	47	27
100%	100%	98%	95%	91%	87%	81%	74%	68%	60%	53%	46%	39%	33%	26%	20%	13%	8%	3%	2%

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°
1461	1448	1421	1378	1321	1250	1166	1074	973	868	759	651	542	435	331	234	145	67	9	8
100%	99%	97%	94%	90%	86%	80%	74%	67%	59%	52%	45%	37%	30%	23%	16%	10%	5%	1%	1%

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°
1461	1453	1425	1381	1323	1249	1163	1071	973	872	772	672	574	479	385	294	205	121	55	36
100%	99%	98%	94%	91%	85%	80%	73%	67%	60%	53%	46%	39%	33%	26%	20%	14%	8%	4%	2%

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°
1461	1457	1437	1401	1351	1288	1212	1125	1029	926	819	709	598	490	384	284	190	105	27	8
100%	100%	98%	96%	92%	88%	83%	77%	70%	63%	56%	49%	41%	34%	26%	19%	13%	7%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104,7°	164,8°	180,7°	76,6%	53,2%

TM30 details

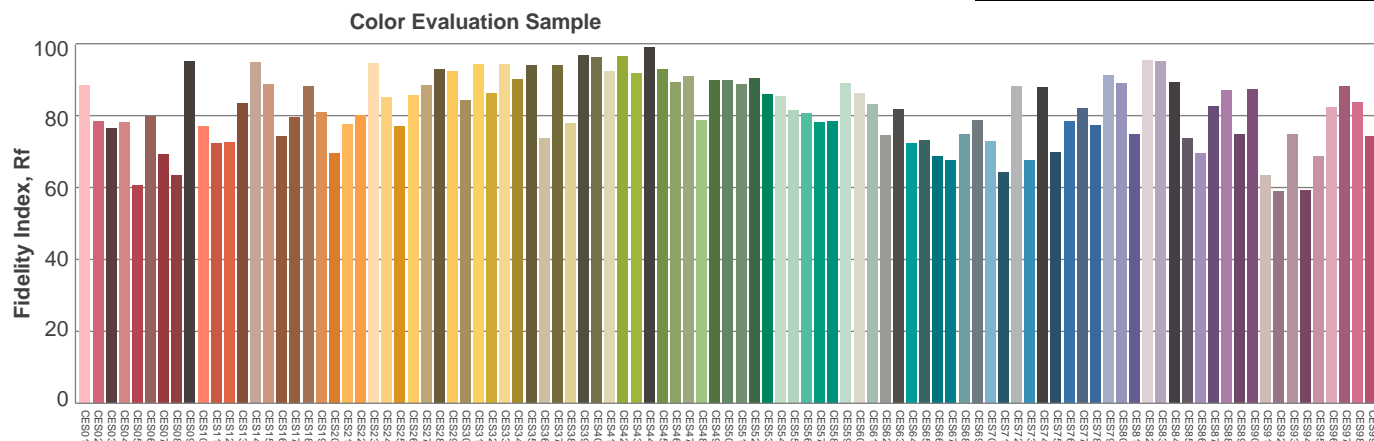
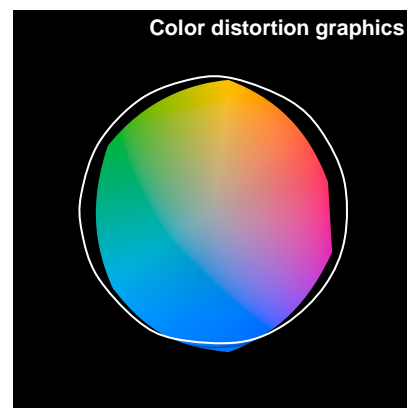
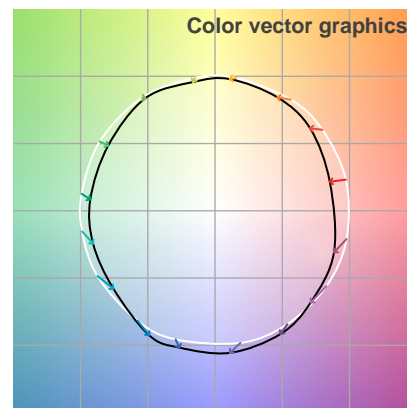
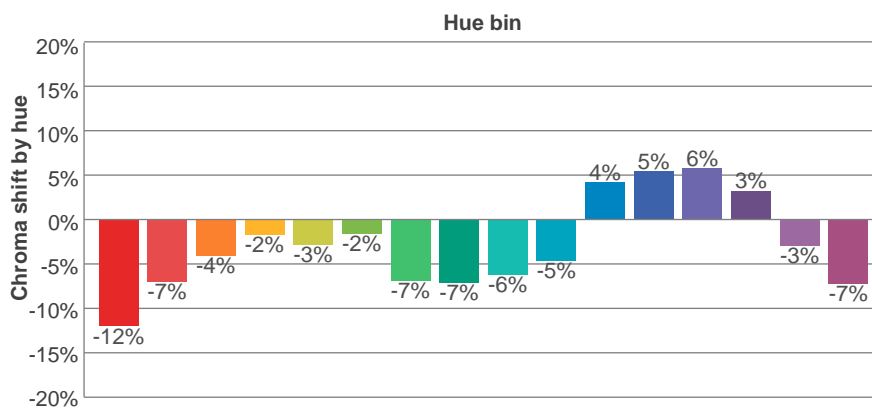
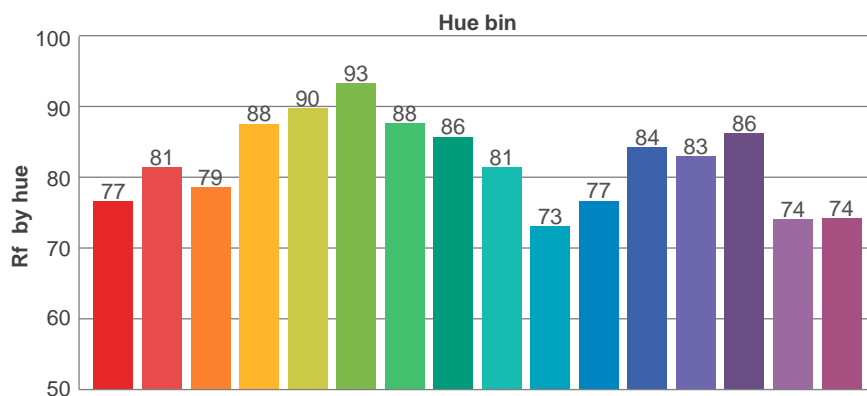
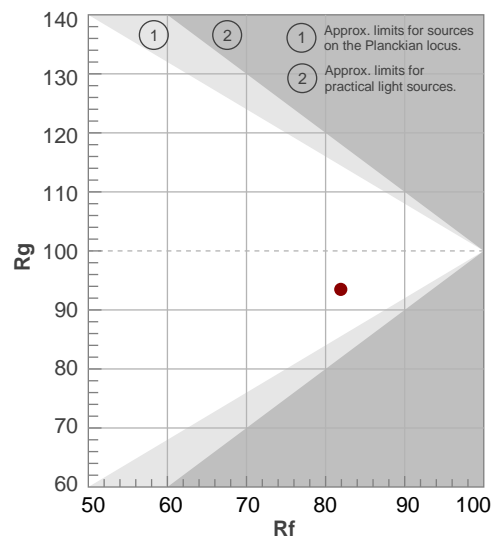
Rf 81,9

Fidelity index Rf

Rg 93,5

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	1%
2	81	-7%	6%
3	79	-4%	9%
4	88	-2%	4%
5	90	-3%	2%
6	93	-2%	-2%
7	88	-7%	-1%
8	86	-7%	3%
9	81	-6%	10%
10	73	-5%	14%
11	77	4%	13%
12	84	5%	4%
13	83	6%	-9%
14	86	3%	-8%
15	74	-3%	-17%
16	74	-7%	-11%



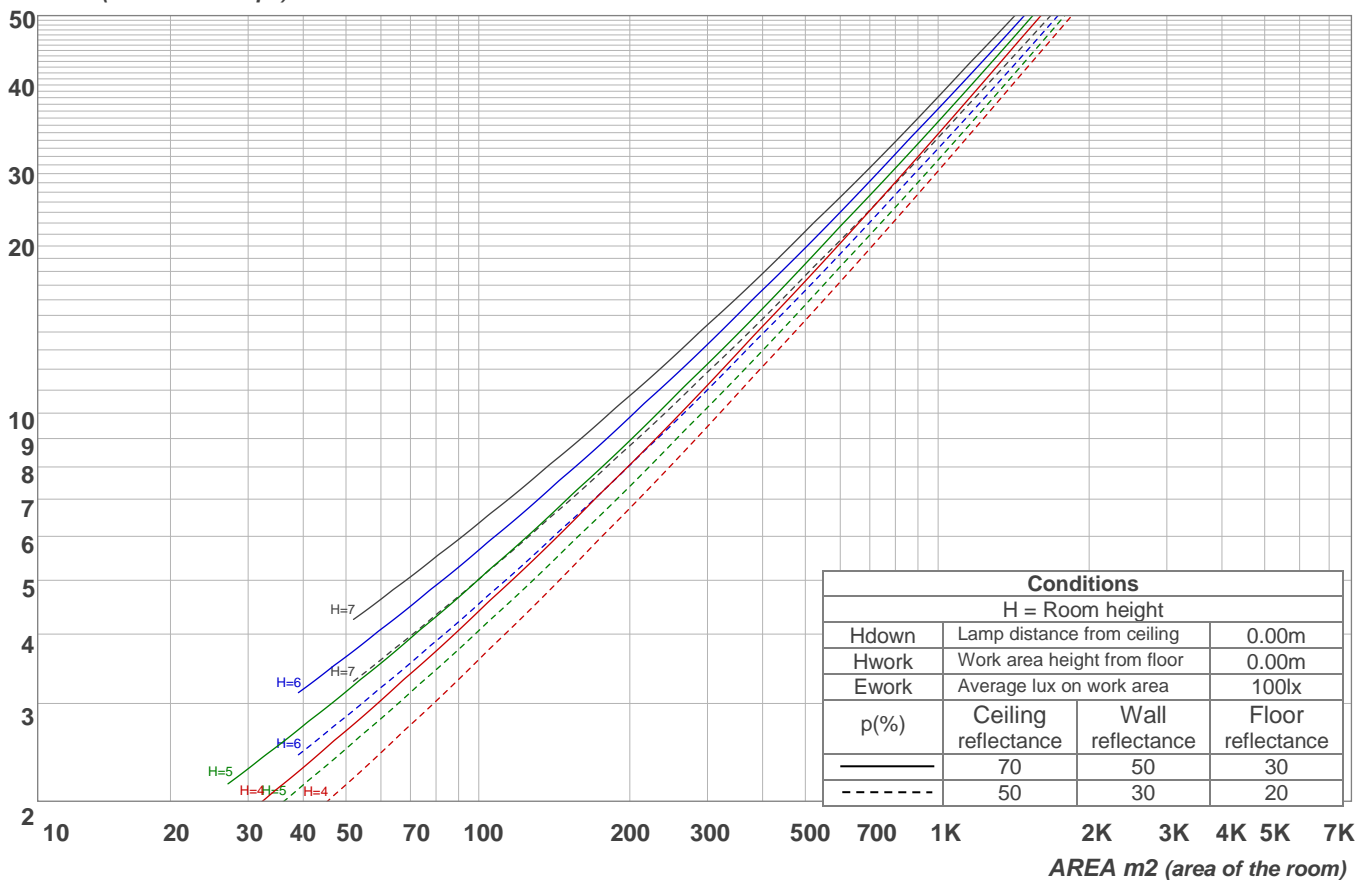
Light planning

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	101	101	101	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	81
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
3	89	79	71	64	87	77	69	63	74	67	62	71	65	61	68	63	59	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	63	54	47	73	61	53	47	59	52	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	27	51	39	32	26	38	31	26	37	31	26	36	30	26	24

LAMPS (number of lamps)

Luminaire budgetary diagram

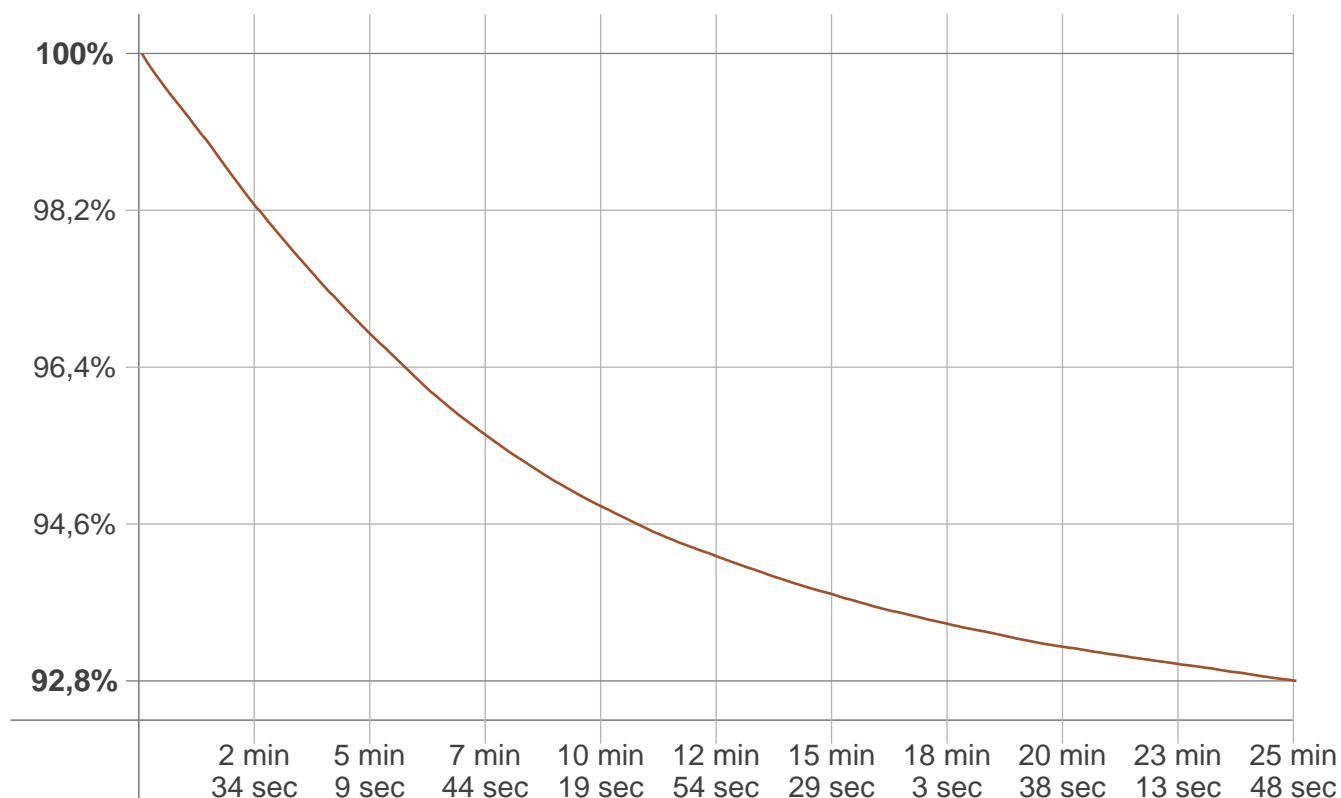


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
138 lm	391 lm	581 lm	680 lm	684 lm	604 lm	466 lm	293 lm	115 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
23,4 lm	10,7 lm	6,90 lm	6,60 lm	6,20 lm	5,48 lm	4,36 lm	2,84 lm	0,983 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	25 min 52 sec
Warmup variation	-7,3%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3917 K	+115 K	4032 K

Output change

Output start	Output change	Output end
4326 lm	-305 lm	4021 lm