

Light efficiency:

95 Lumen/Watt

Light quality:

CRI: 73,7

Color temperature:

4275 K

Output: 1142 lm

Peak: 301 cd

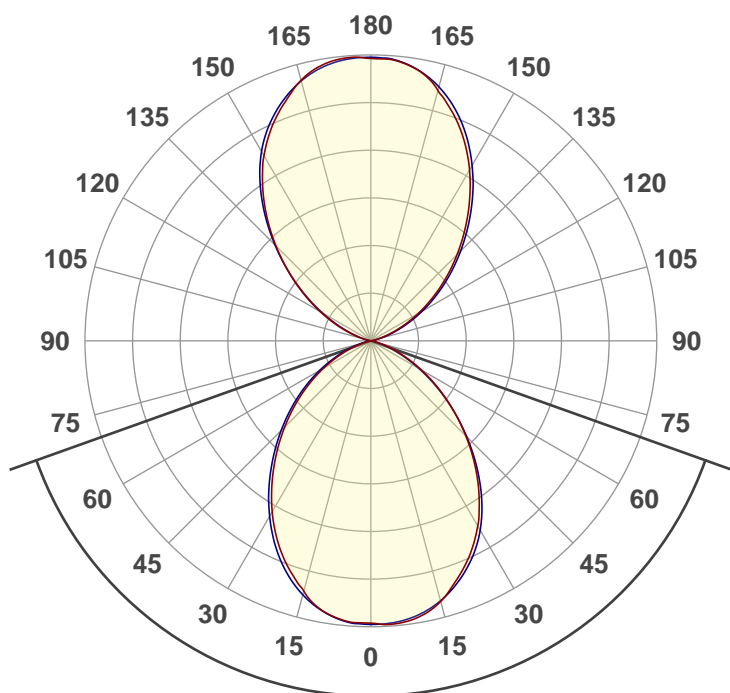
Power: 12,1 W

PF: 0,59



Product name:

E0211-8112A-1-BLED7W-GU10-4K-EC



Beam angle

140,7°



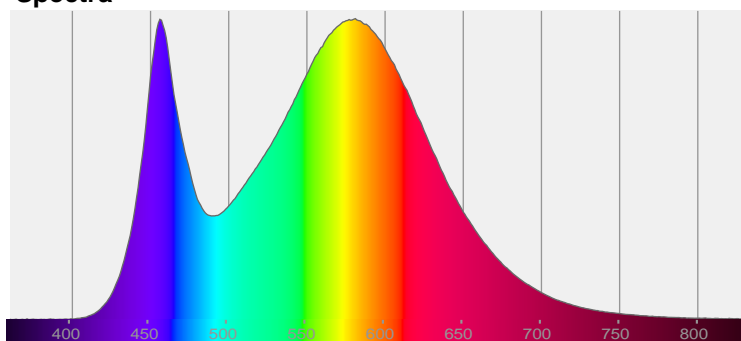
CIE 1931
x: 0,371
y: 0,375

THD Values:

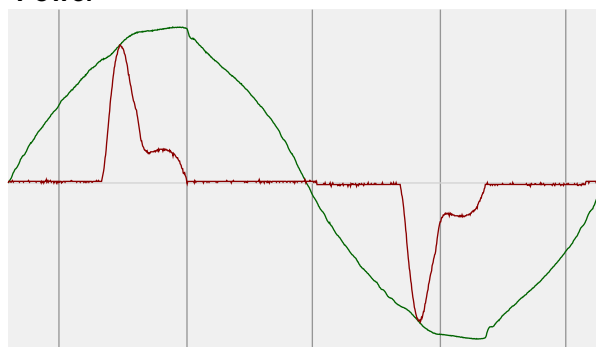
Voltage: 3,22%

Current: 126,66%

Spectra

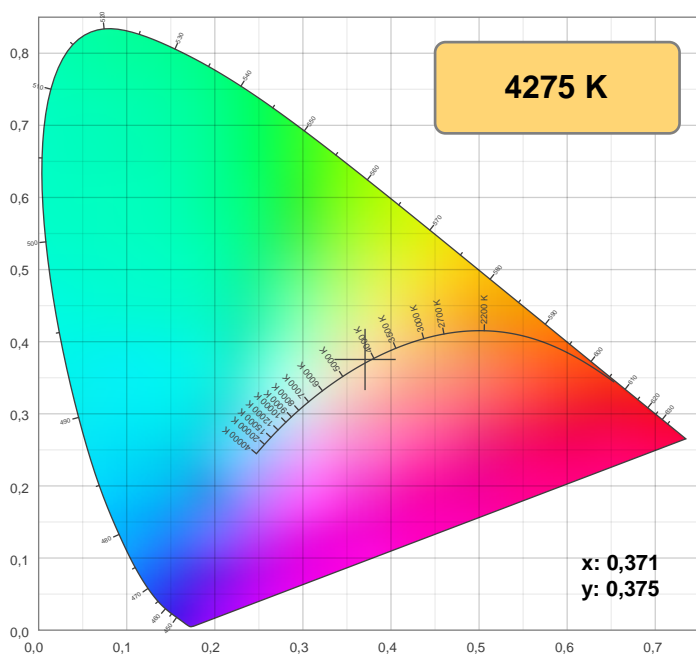


Power



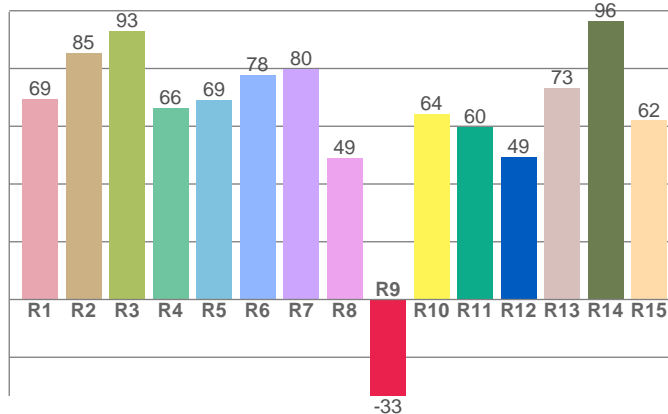
Voltage: 115 V
Current: 0,176 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 73,7 (R1-R8)

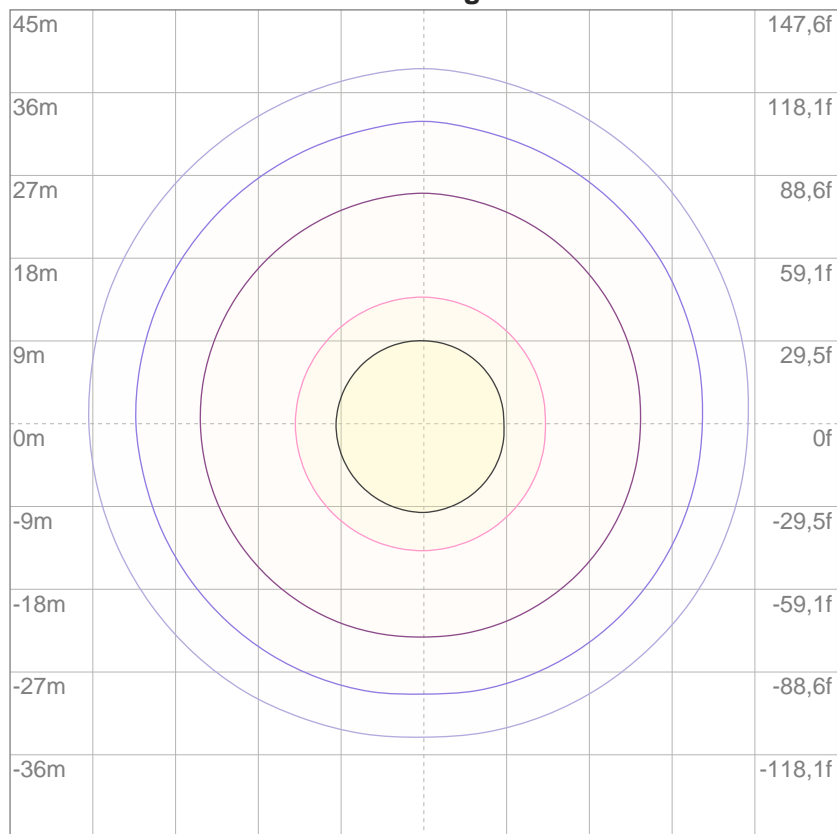


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
69,3	85,3	93,1	66,2	69,2	77,7	79,8	49,1	-33,4	64,2	59,8	49,4	73,4	96,4	62,0

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	89,9m lx
5%	0,150 lx
10%	0,300 lx
30%	0,899 lx
50%	1,50 lx

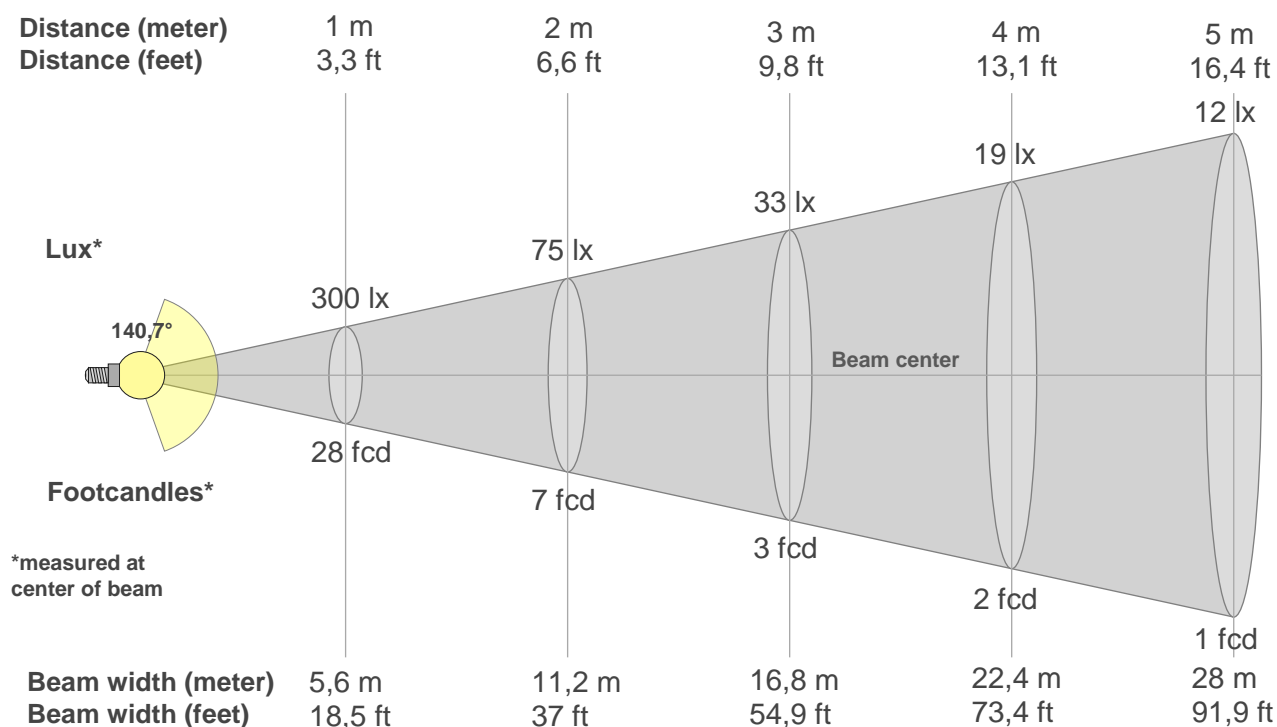
Conditions:

Number of c-planes: 4

Lux at center: 3,00 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
300lx	75lx	33lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
27,8fcd	7fcd	3,1fcd	1,7fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
300	298	275	240	194	142	92	49	16	2	0	1	14	45	85	129	177	224	263	292
100%	99%	92%	80%	65%	47%	31%	16%	5%	1%	0%	0%	5%	15%	28%	43%	59%	75%	88%	98%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
300	296	277	245	199	144	90	45	13	1	0	2	18	50	90	134	182	230	268	293
100%	99%	92%	82%	66%	48%	30%	15%	4%	0%	0%	1%	6%	17%	30%	45%	61%	77%	90%	98%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
300	292	263	224	177	129	85	45	14	1	0	2	16	49	92	142	194	240	275	298
100%	98%	88%	75%	59%	43%	28%	15%	5%	0%	0%	1%	5%	16%	31%	47%	65%	80%	92%	99%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
300	293	268	230	182	134	90	50	18	2	0	1	13	45	90	144	199	245	277	296
100%	98%	90%	77%	61%	45%	30%	17%	6%	1%	0%	0%	4%	15%	30%	48%	66%	82%	92%	99%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
140,7°	360°	360°	45,7%	34,7%

TM30 details

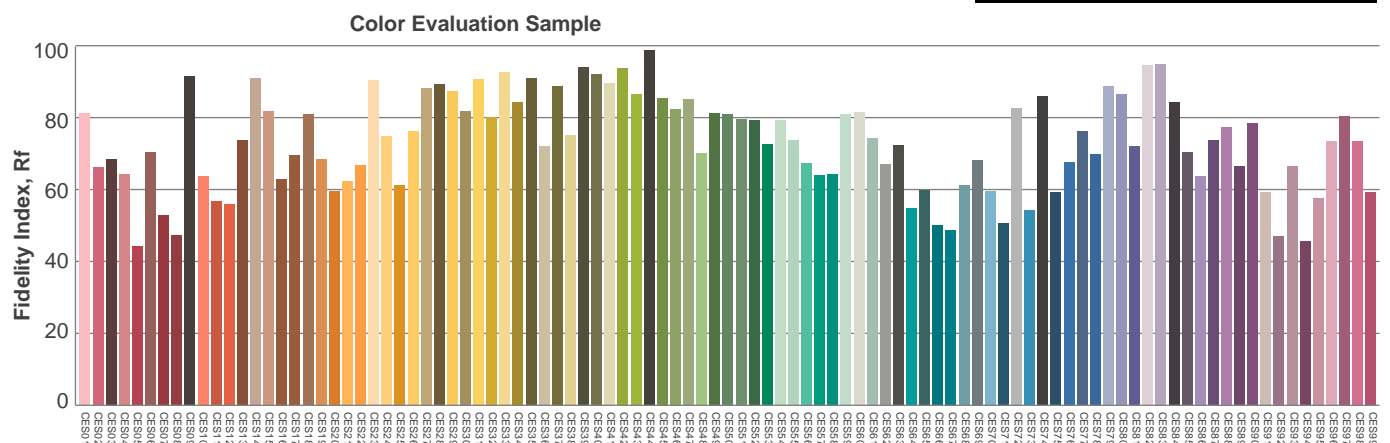
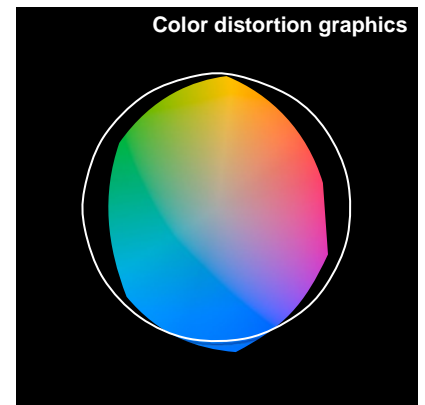
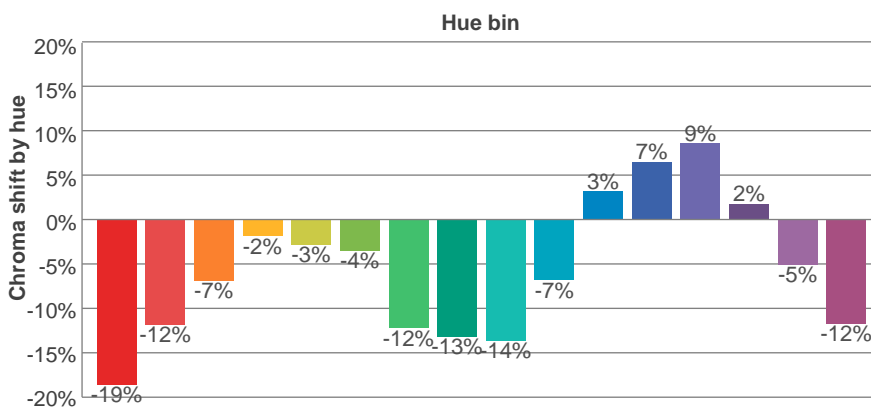
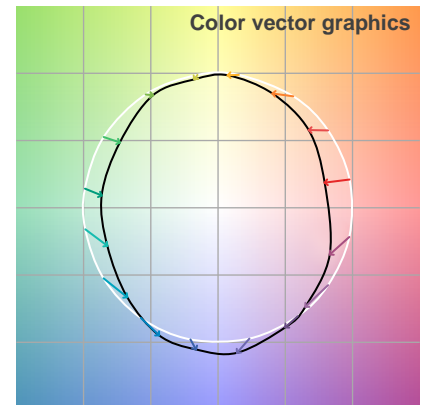
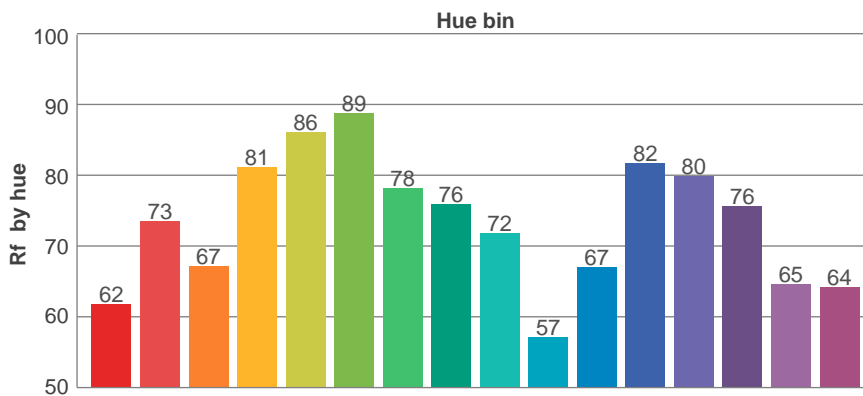
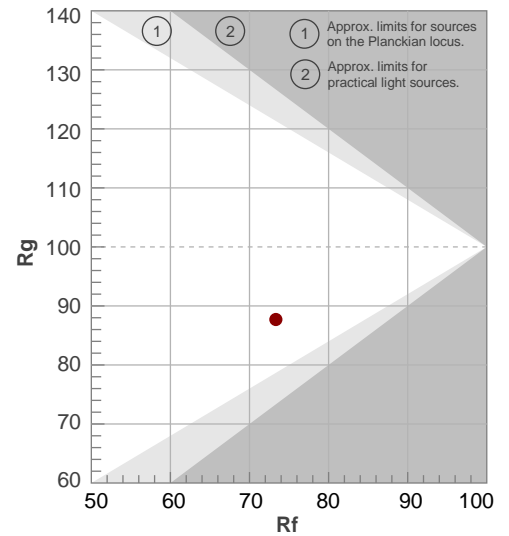
Rf 73,3

Fidelity index Rf

Rg 87,7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	62	-19%	1%
2	73	-12%	8%
3	67	-7%	14%
4	81	-2%	8%
5	86	-3%	3%
6	89	-4%	-4%
7	78	-12%	-3%
8	76	-13%	3%
9	72	-14%	15%
10	57	-7%	21%
11	67	3%	19%
12	82	7%	5%
13	80	9%	-11%
14	76	2%	-12%
15	65	-5%	-23%
16	64	-12%	-16%



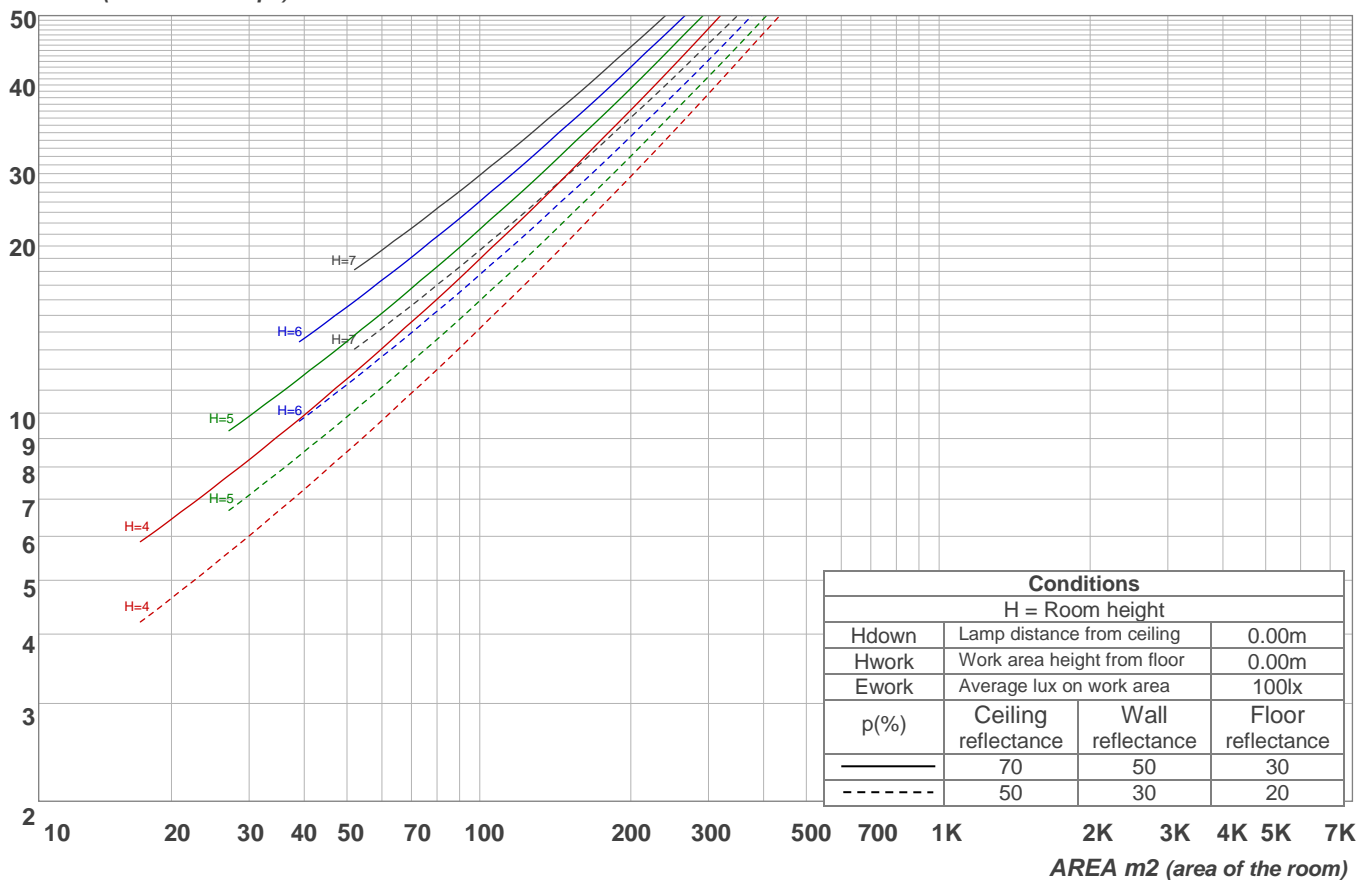
Light planning

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	99	95	92	88	91	88	85	82	75	73	71	63	61	60	51	50	50	44
2	91	84	78	74	84	78	73	69	67	63	60	56	54	51	46	45	43	39
3	83	75	68	63	77	69	64	59	60	55	52	50	47	45	42	40	38	34
4	77	67	59	54	71	62	56	51	53	49	45	45	42	39	38	35	33	30
5	71	60	52	47	65	56	49	44	48	43	39	41	37	34	35	32	30	26
6	65	54	46	41	60	50	44	39	44	38	34	37	33	30	32	29	26	24
7	61	49	41	36	56	46	39	34	40	35	31	34	30	27	29	26	24	21
8	56	45	37	32	52	42	35	31	37	31	27	32	27	24	27	24	21	19
9	53	41	34	29	49	38	32	27	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	23	27	23	20	23	20	18	16

LAMPS (number of lamps)

Luminaire budgetary diagram

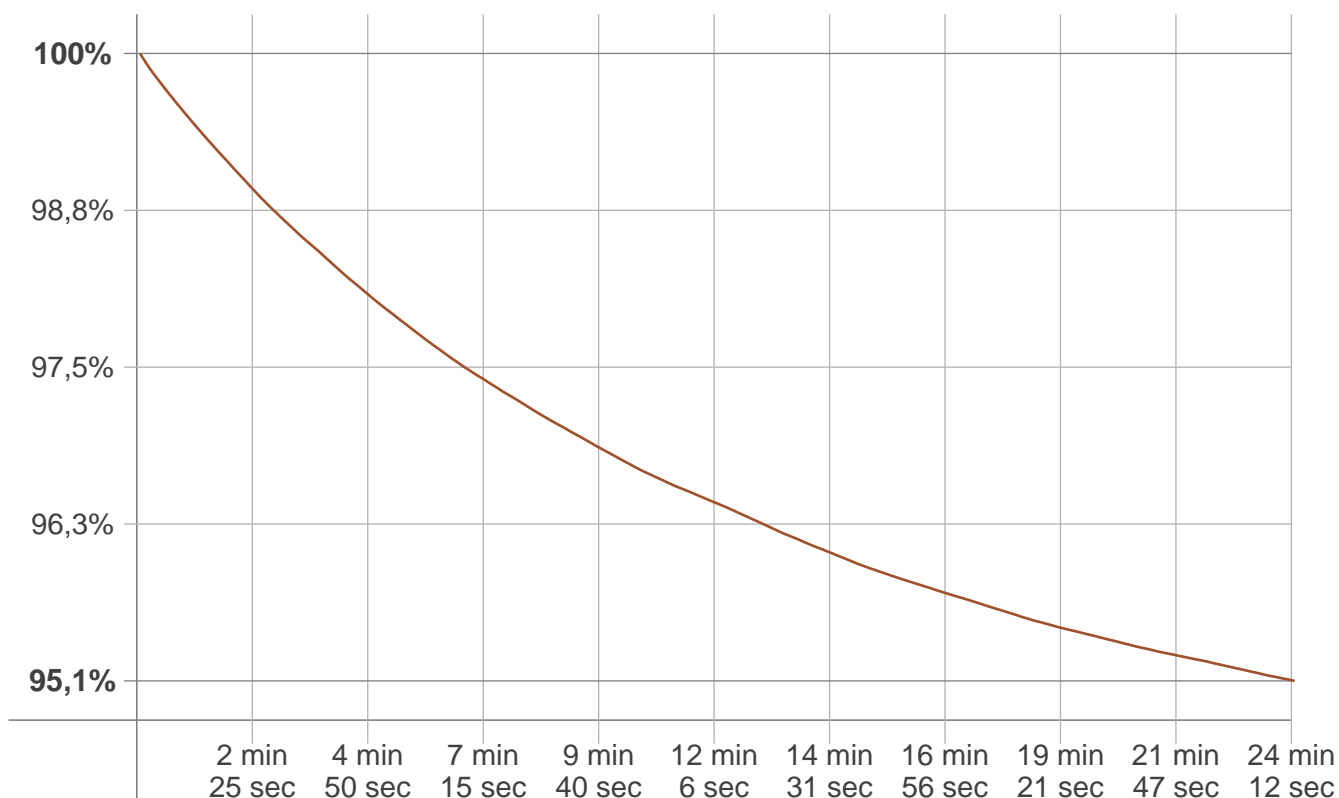


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
28,4 lm	78,9 lm	112 lm	121 lm	106 lm	75,4 lm	39,1 lm	9,62 lm	0,896 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,896 lm	9,62 lm	39,1 lm	75,4 lm	106 lm	121 lm	112 lm	78,9 lm	28,4 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	24 min 16 sec
Warmup variation	-5,0%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4223 K	+52 K	4275 K

Output change

Output start	Output change	Output end
1199 lm	-58 lm	1142 lm