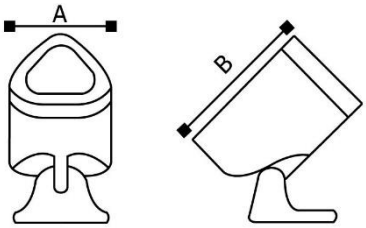
Luminaria para exterior

Dimensiones (mm)

A: 66; **B:** 100



Código

WW12106

Descripción

Luminaria tipo reflector, diseñada con LED integrado. Para sobreponer en pared, muro o suelo, con difusor en policarbonato transparente y pantalla en policarbonato blanco.

Materiales y acabado

Cuerpo en aluminio inyectado con acabado en pintura poliéster electroestática texturizada de alta calidad. Cubierto con doble anti-corrosivo para extender la vida útil.

Color

Negro.

Características técnicas

LED	86°	30,000h	**IP 65**	**IK 08**
PF 0,97	**THD <15%**	**°C 0-55**	**V 220-240**	**Hz 50/60**

Fuente de luz

LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
3,5W	>80	3000	69	201

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Marca LED: CREE. Marca Driver: ESPL.
- Potencia de Salida: 2,9W.

Nota: Debido a continua investigación, nos reservamos el derecho de cambiar especificaciones sin previa notificación.

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 82,0

Color temperature:

3125 K

Output: 201 lm

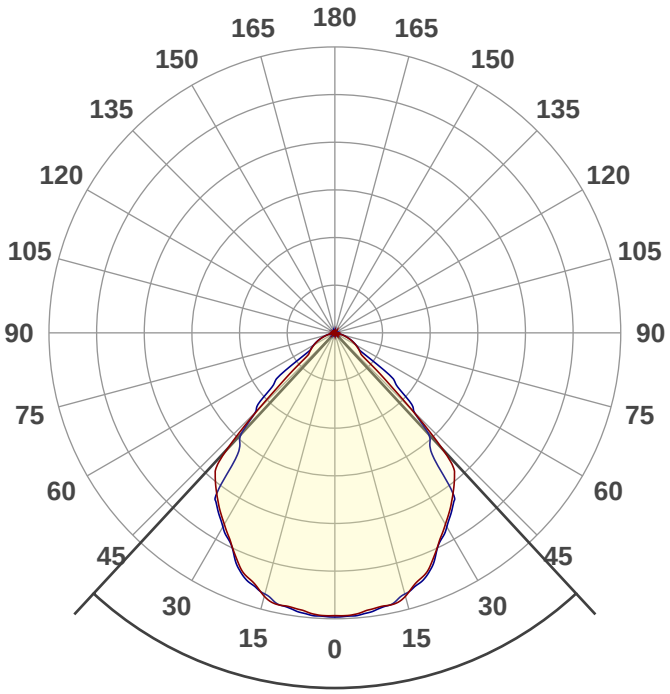
Peak: 117 cd

Power: 2,9 W

PF: 0,97

Product name:

E0418-WW12106



Beam angle

85,6°

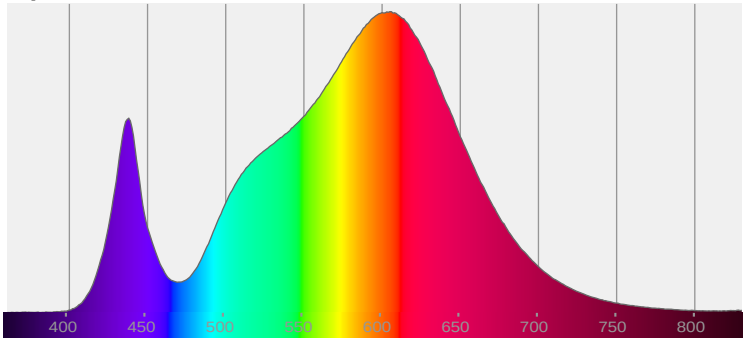
CIE 1931
x: 0,429
y: 0,401

THD Values:

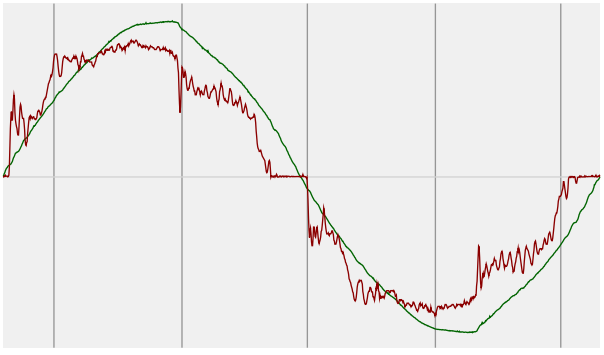
Voltage: 2,5%

Current: 12,18%

Spectra

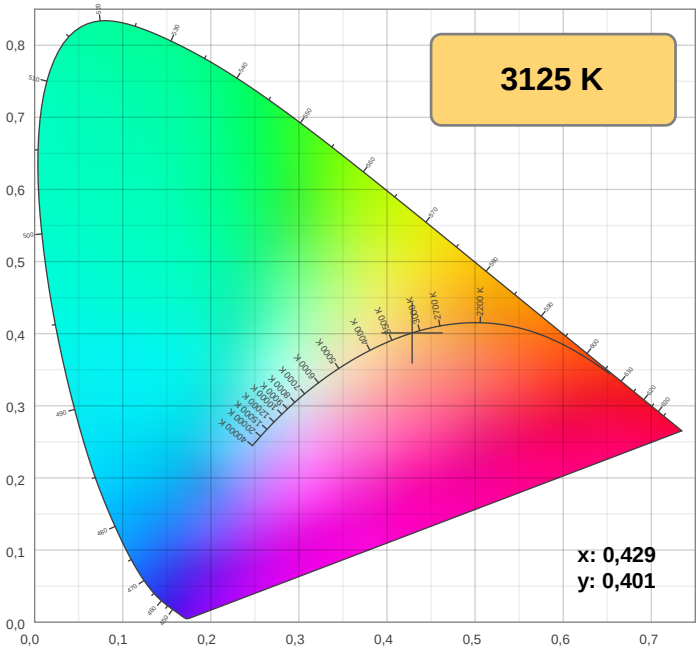


Power



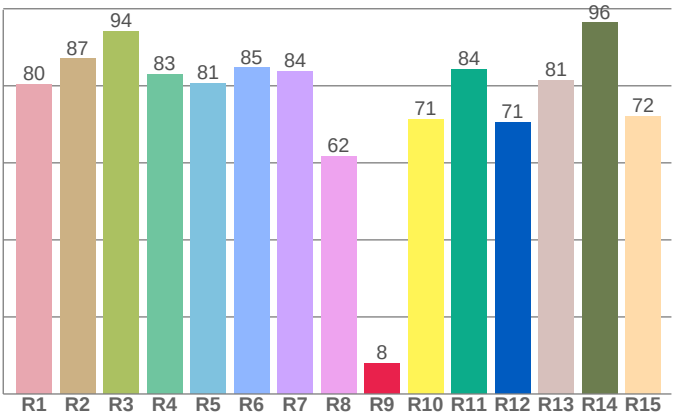
Voltage: 115 V
Current: 0,026 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 82,0 (R1-R8)

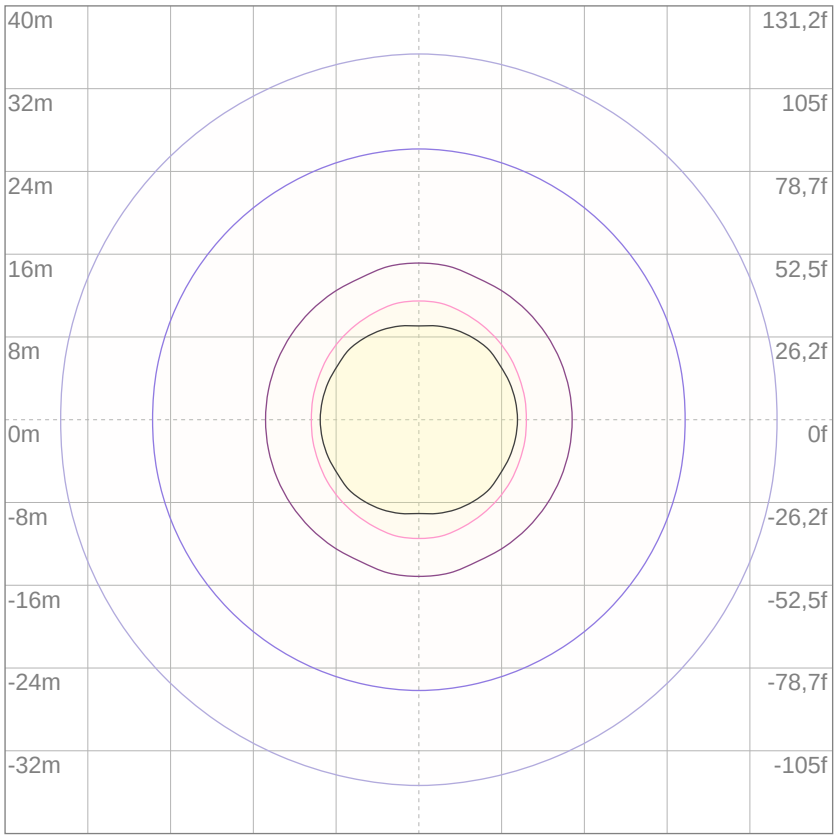


CRI R values, only R1-R8 are used to calculate final CRI value

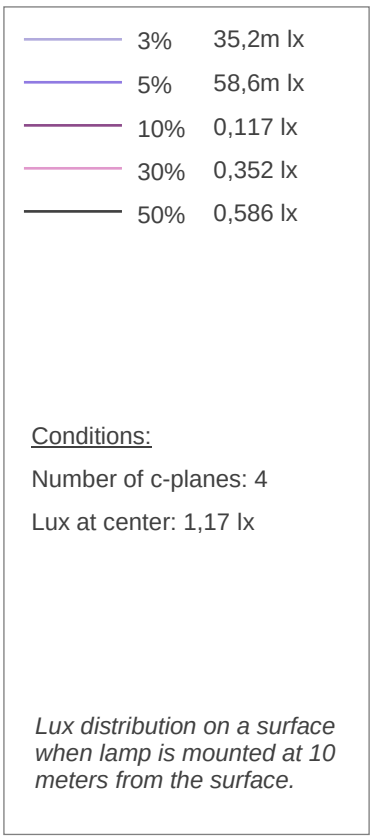
R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
80,4	87,1	94,2	83,0	80,7	84,8	83,8	61,7	7,9	71,4	84,3	70,6	81,4	96,4	72,1

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)



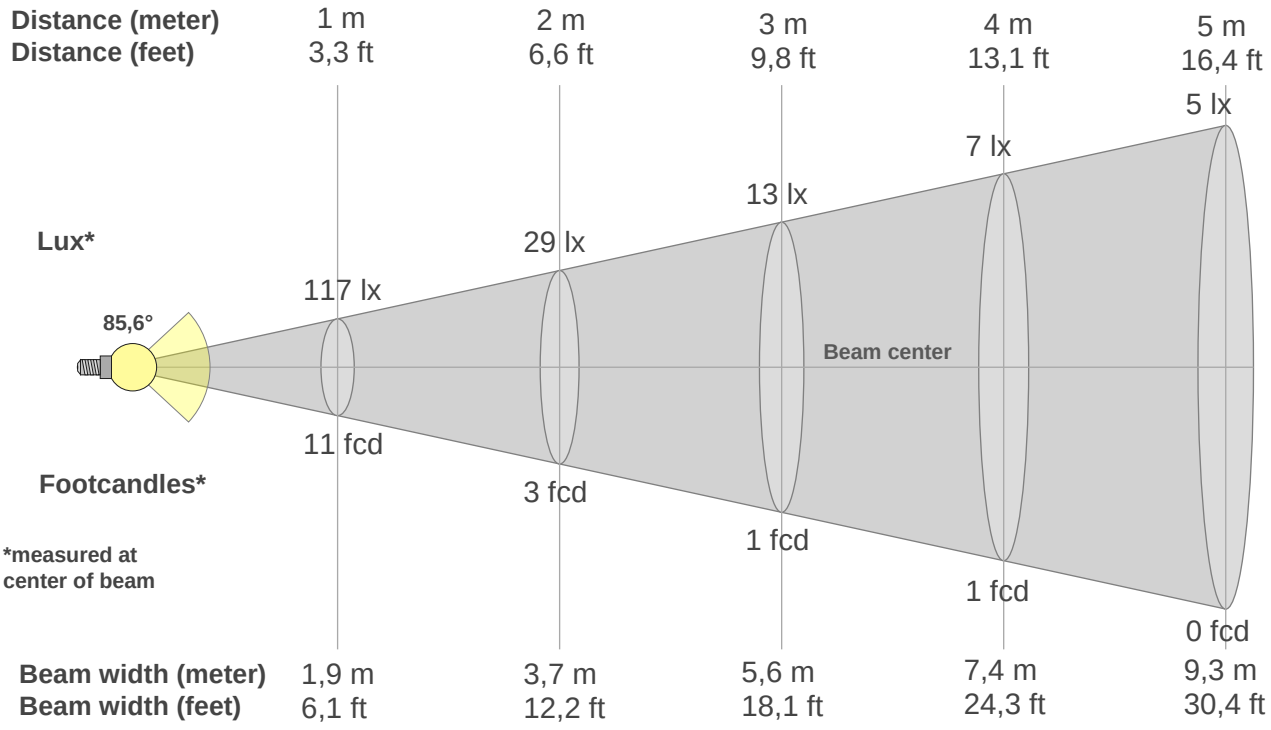
Conditions:

Number of c-planes: 4

Lux at center: 1,17 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
117lx	29lx	13lx	7lx	5lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
10,9fcd	2,7fcd	1,2fcd	0,7fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

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°
117	116	115	113	107	99	91	84	77	45	15	12	10	8	5	3	1	0	0	0
100%	99%	98%	96%	91%	85%	78%	72%	66%	38%	13%	10%	8%	7%	5%	3%	1%	0%	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°
117	117	115	112	108	100	93	86	61	47	33	13	10	8	5	3	1	0	0	0
100%	100%	98%	95%	92%	85%	79%	73%	52%	40%	28%	11%	9%	7%	5%	3%	1%	0%	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°
117	116	115	113	107	99	91	84	77	45	15	12	10	8	5	3	1	0	0	0
100%	99%	98%	96%	91%	85%	78%	72%	66%	38%	13%	10%	8%	7%	5%	3%	1%	0%	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°
117	117	115	112	108	100	93	86	61	47	33	13	10	8	5	3	1	0	0	0
100%	100%	98%	95%	92%	85%	79%	73%	52%	40%	28%	11%	9%	7%	5%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
85,6°	112,5°	150,9°	94,3%	80,8%

TM30 details

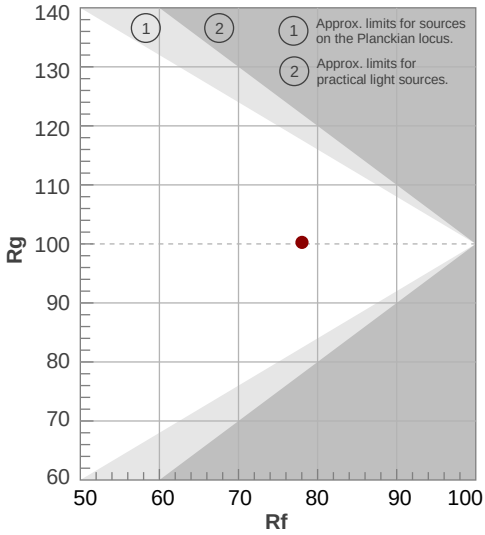
Rf 78,0

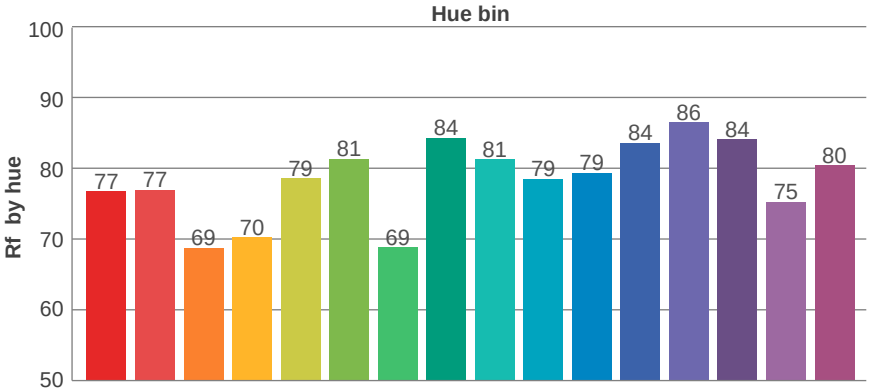
Fidelity index Rf

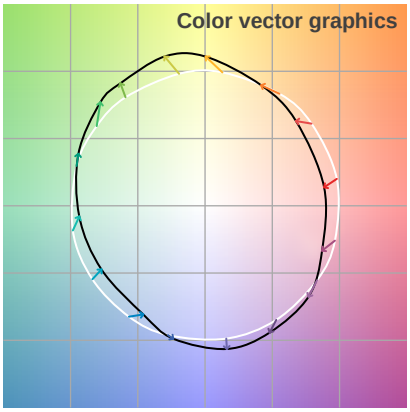
Rg 100,3

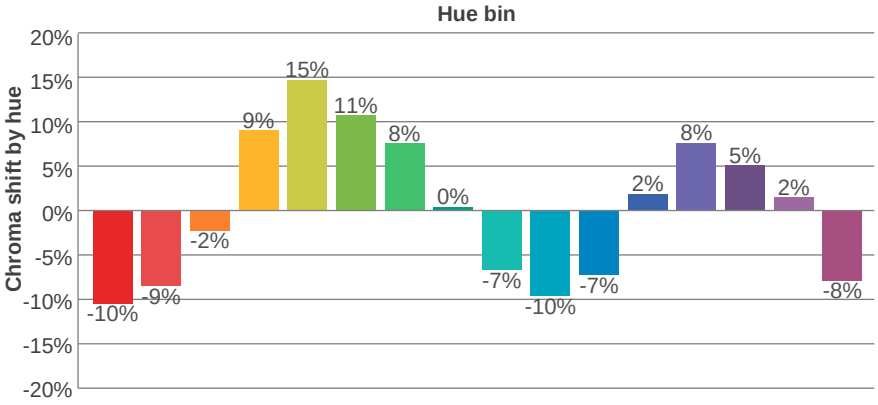
Gammut index Rg

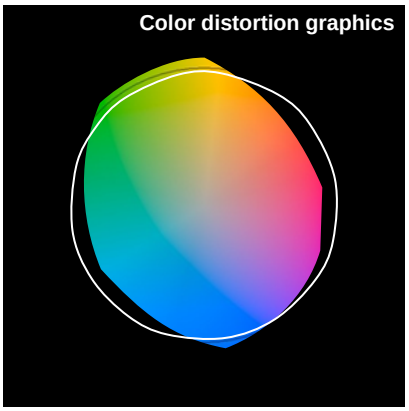
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	77	-10%	-4%
2	77	-9%	8%
3	69	-2%	15%
4	70	9%	14%
5	79	15%	8%
6	81	11%	-3%
7	69	8%	-16%
8	84	0%	-9%
9	81	-7%	-9%
10	79	-10%	-2%
11	79	-7%	8%
12	84	2%	4%
13	86	8%	-1%
14	84	5%	-9%
15	75	2%	-14%
16	80	-8%	-9%

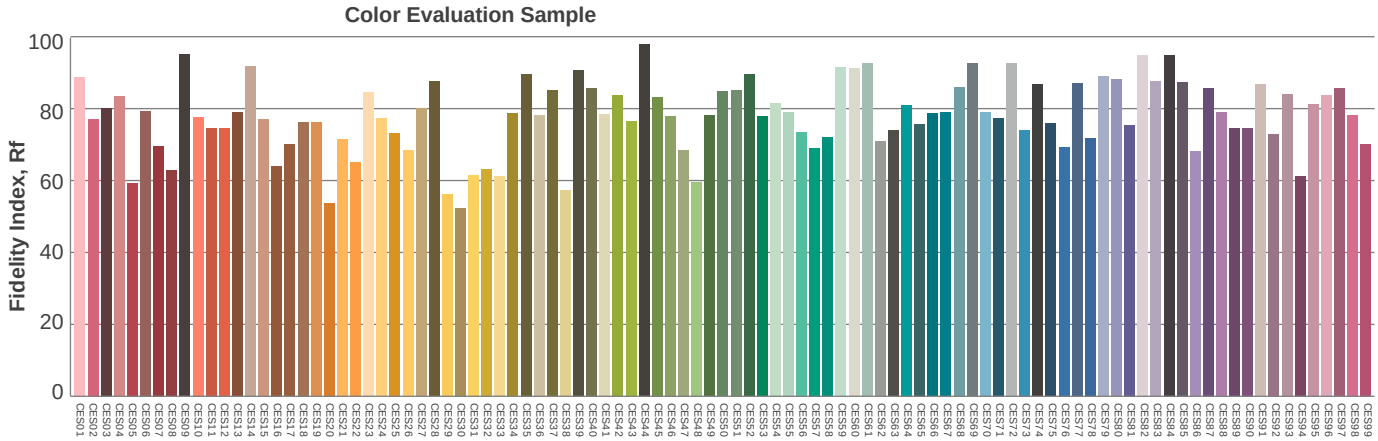












UGR

Glare Evaluation According to UGR

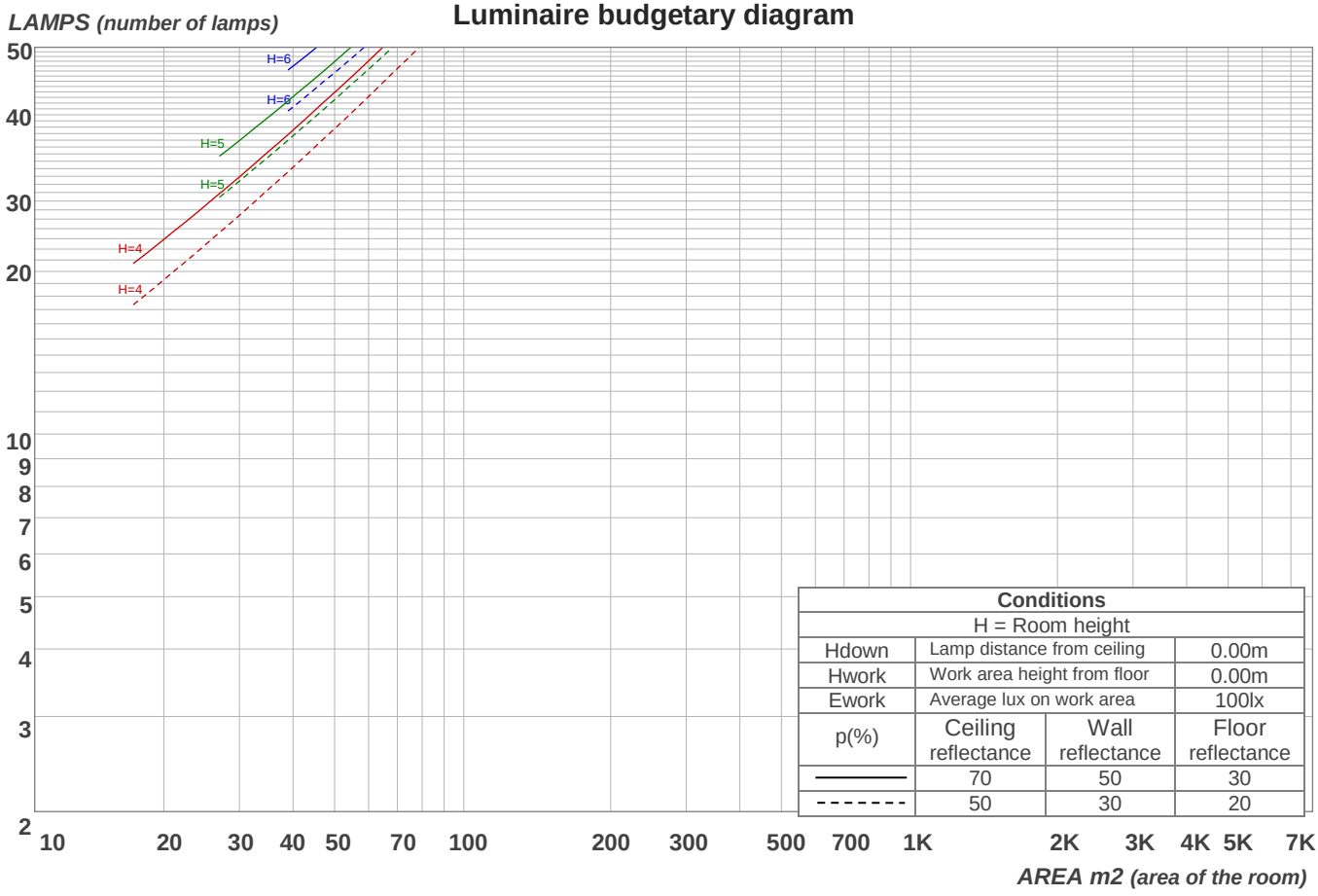
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	22,1	23,1	22,4	23,3	23,5	22,4	23,3	22,6	23,6	23,8
	3H	22,5	23,3	22,8	23,6	23,8	22,7	23,5	23,0	23,8	24,0
	4H	22,6	23,4	22,9	23,6	23,9	22,8	23,6	23,1	23,9	24,1
	6H	22,6	23,3	22,9	23,6	23,9	22,8	23,5	23,1	23,8	24,1
	8H	22,5	23,3	22,9	23,6	23,9	22,8	23,5	23,1	23,8	24,1
	12H	22,5	23,2	22,9	23,5	23,8	22,7	23,4	23,1	23,7	24,1
4H	2H	22,2	23,0	22,5	23,3	23,6	22,4	23,2	22,7	23,5	23,8
	3H	22,7	23,3	23,0	23,7	24,0	22,8	23,5	23,2	23,8	24,2
	4H	22,8	23,4	23,2	23,8	24,1	23,0	23,6	23,4	23,9	24,3
	6H	22,9	23,4	23,3	23,7	24,1	23,1	23,6	23,5	23,9	24,3
	8H	22,9	23,3	23,3	23,7	24,1	23,1	23,5	23,5	23,9	24,3
	12H	22,8	23,2	23,3	23,6	24,1	23,0	23,4	23,5	23,8	24,3
8H	4H	22,8	23,3	23,3	23,7	24,1	23,0	23,5	23,4	23,9	24,3
	6H	22,9	23,3	23,4	23,7	24,2	23,1	23,5	23,6	23,9	24,3
	8H	22,9	23,2	23,4	23,7	24,1	23,1	23,4	23,6	23,9	24,3
	12H	22,9	23,1	23,4	23,6	24,1	23,1	23,3	23,6	23,8	24,3
12H	4H	22,8	23,2	23,2	23,6	24,1	23,0	23,4	23,4	23,8	24,2
	6H	22,9	23,2	23,4	23,6	24,1	23,1	23,4	23,5	23,8	24,3
	8H	22,9	23,1	23,4	23,6	24,1	23,1	23,3	23,6	23,8	24,3
Variation of the observer position for the luminaire distance S											
S = 1,0H		+1,6 / -2,4					+1,2 / -2,3				
S = 1,5H		+3,5 / -2,8					+2,3 / -2,8				
S = 2,0H		+5,2 / -3,3					+3,9 / -3,3				
Standard table		BK02					BK01				
Correction summand		5,2					4,9				
Corrected glare indices referring to 201 lm total luminous flux											

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	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	77	72	67	75	70	66	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	41	38	36

Luminaire budgetary diagram



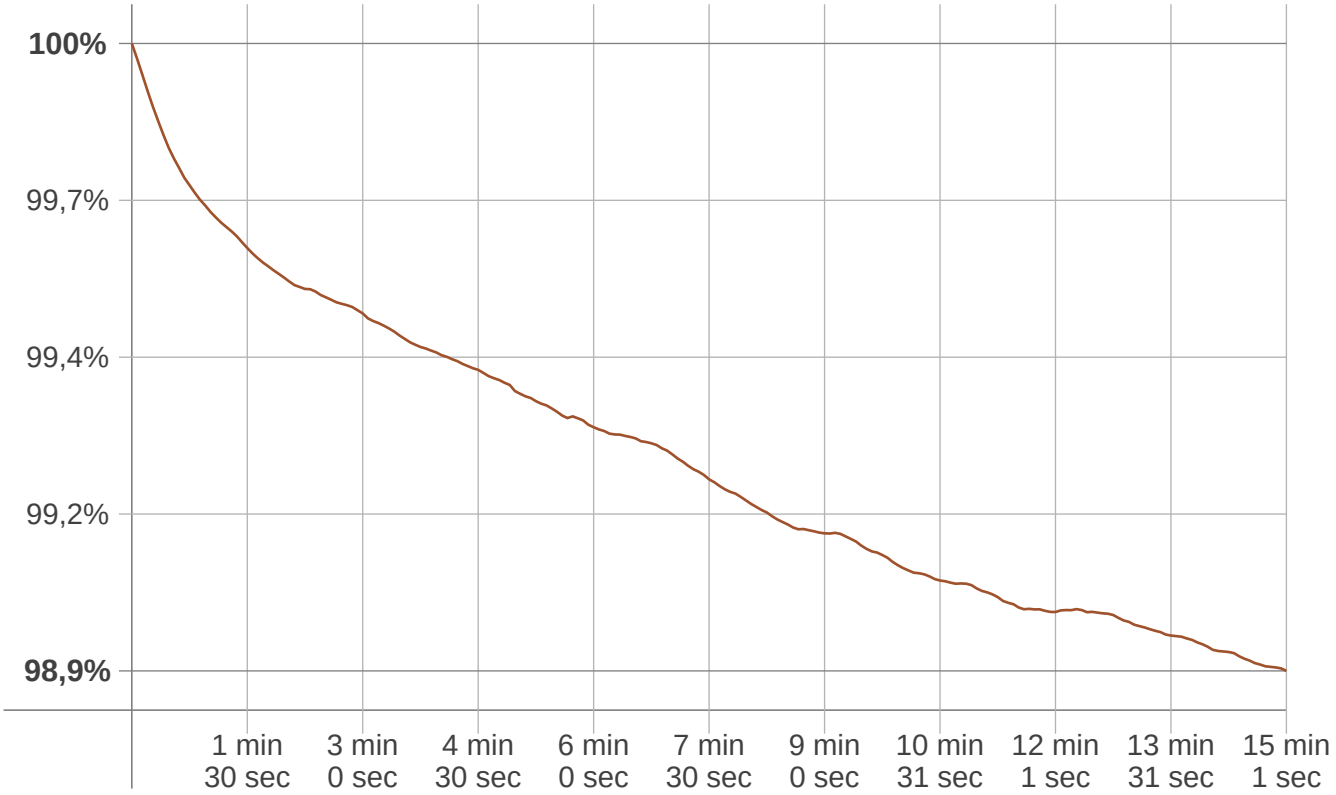
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
11,1 lm	31,6 lm	45,9 lm	51,7 lm	36,1 lm	13,4 lm	7,62 lm	3,34 lm	0,391 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,012 lm	0,012 lm	0,012 lm	0,014 lm	0,015 lm	0,015 lm	0,011 lm	0,006 lm	0,001 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**15 min 1 sec**
Warmup variation	**-1,1%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3118 K	**+7 K**	**3125 K**

Output change

Output start	Output change	Output end
203 lm	**-2 lm**	**201 lm**