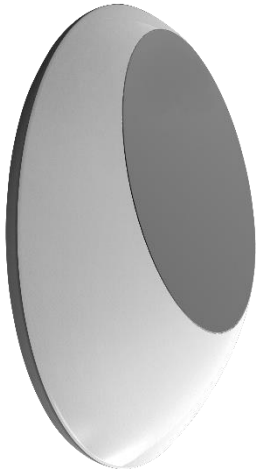
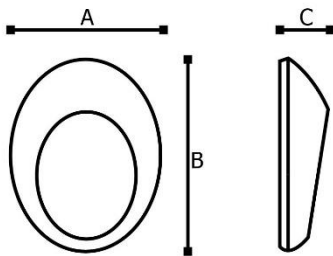


## Luminaria para exterior



### Dimensiones (mm)

A: 169; B: 219  
C: 55.



### Código

**GL16106**

### Descripción

Luminaria tipo aplique, diseñada con módulo de LED integrado. Para sobreponer en pared o muro, con difusor en policarbonato opal y con protección UV.




### Materiales y acabado

Cuerpo en aluminio inyectado con acabado en pintura poliéster electrostática texturizada de alta calidad.

### Color

Negro.

### Características técnicas

LED	 130°	 30,000h	IP 65	IK 08
PF 0,99	THD <10%	°C 0-55	V 200-240	

### Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
13W	>80	3000	50	630

### Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Marca LED: Epistar. Marca Driver: ESPL.
- Ángulo de apertura irregular.
- Potencia de Salida: 12,6W.

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

Light efficiency:



Light quality:



Color temperature:

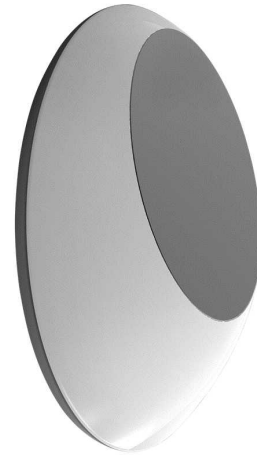


Output: 630 lm

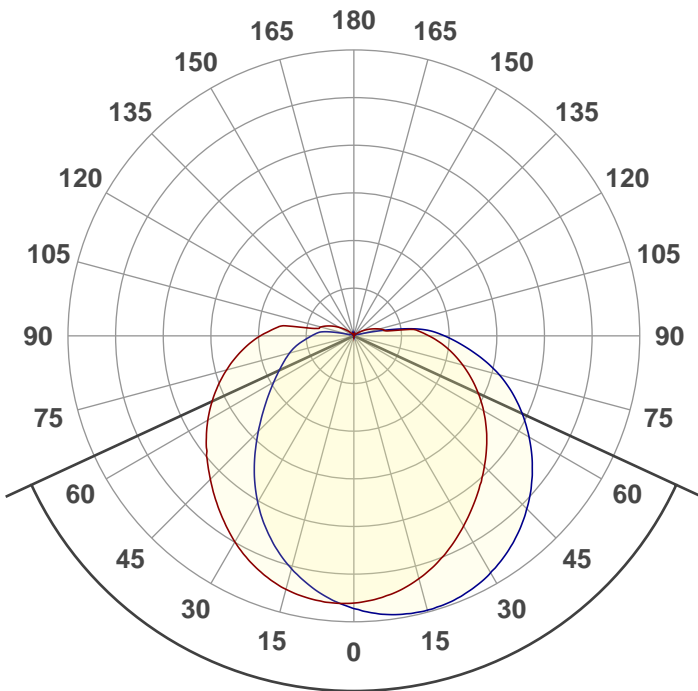
Peak: 162 cd

Power: 12,6 W

PF: 0,99



Product name:  
E0122-GL16106



Beam angle **130,4°**



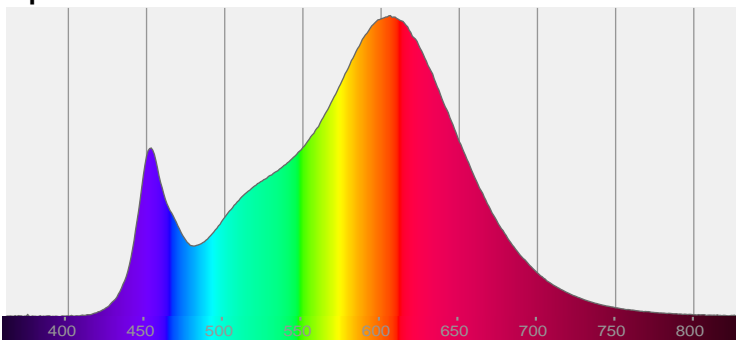
CIE 1931  
x: 0,434  
y: 0,394

THD Values:

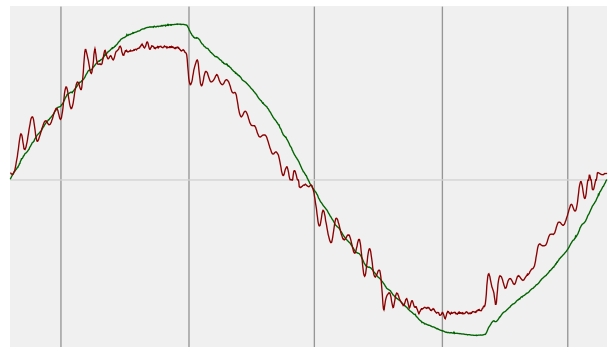
Voltage: 2,75%

Current: 6,6%

Spectra

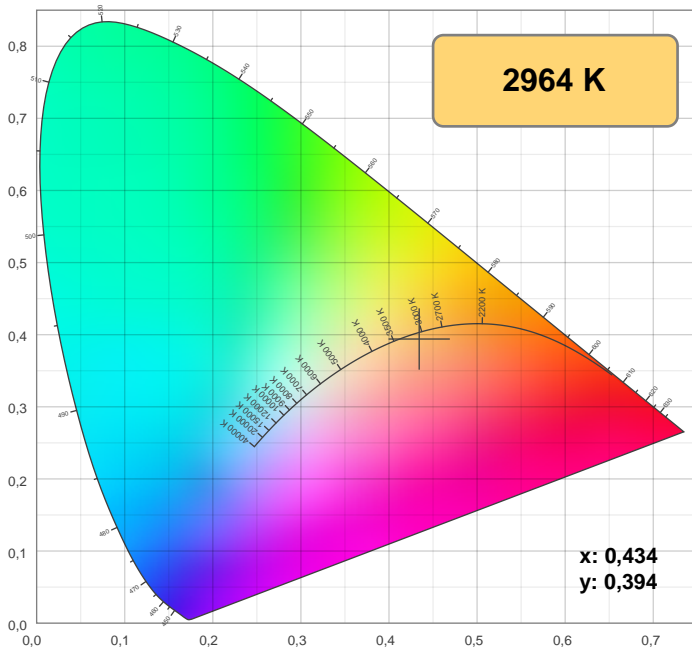


Power



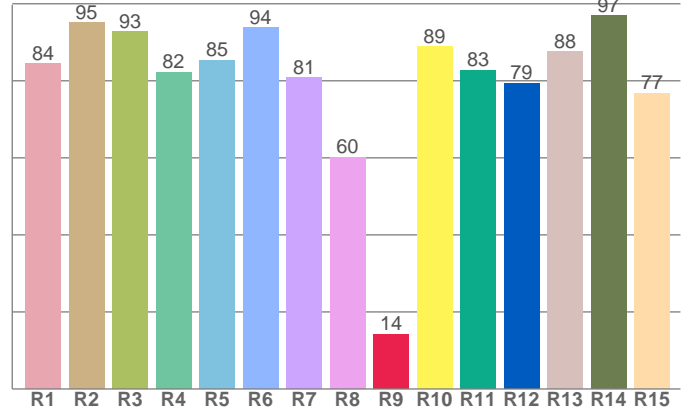
Voltage: 114 V  
Current: 0,112 A  
Frequency: 60 Hz

## Color details



CIE 1931

CRI: 84,3 (R1-R8)

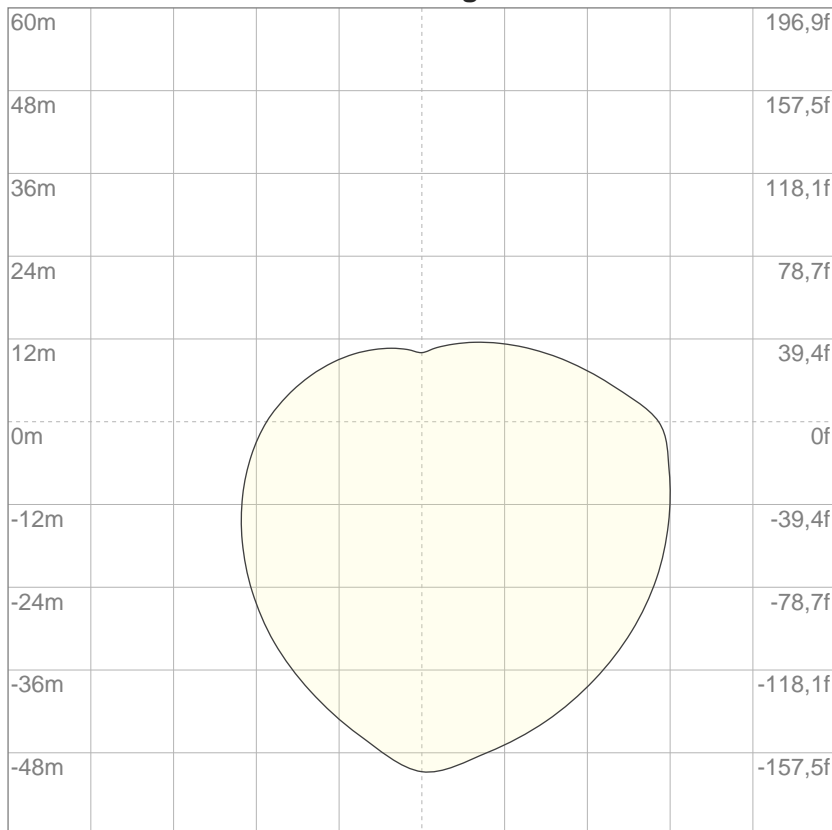


CRI R values, only R1-R8 are used to calculate final CRI value

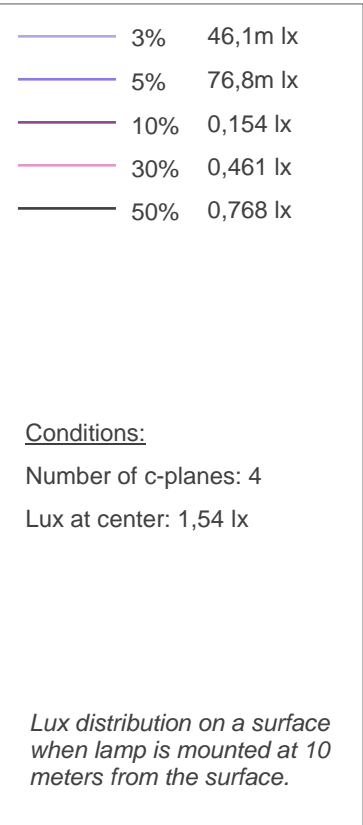
R	R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
Value	84,5	95,1	92,8	82,2	85,3	93,8	80,8	60,1	14,3	88,9	82,7	79,3	87,5	96,8	76,7

## ISO Diagrams

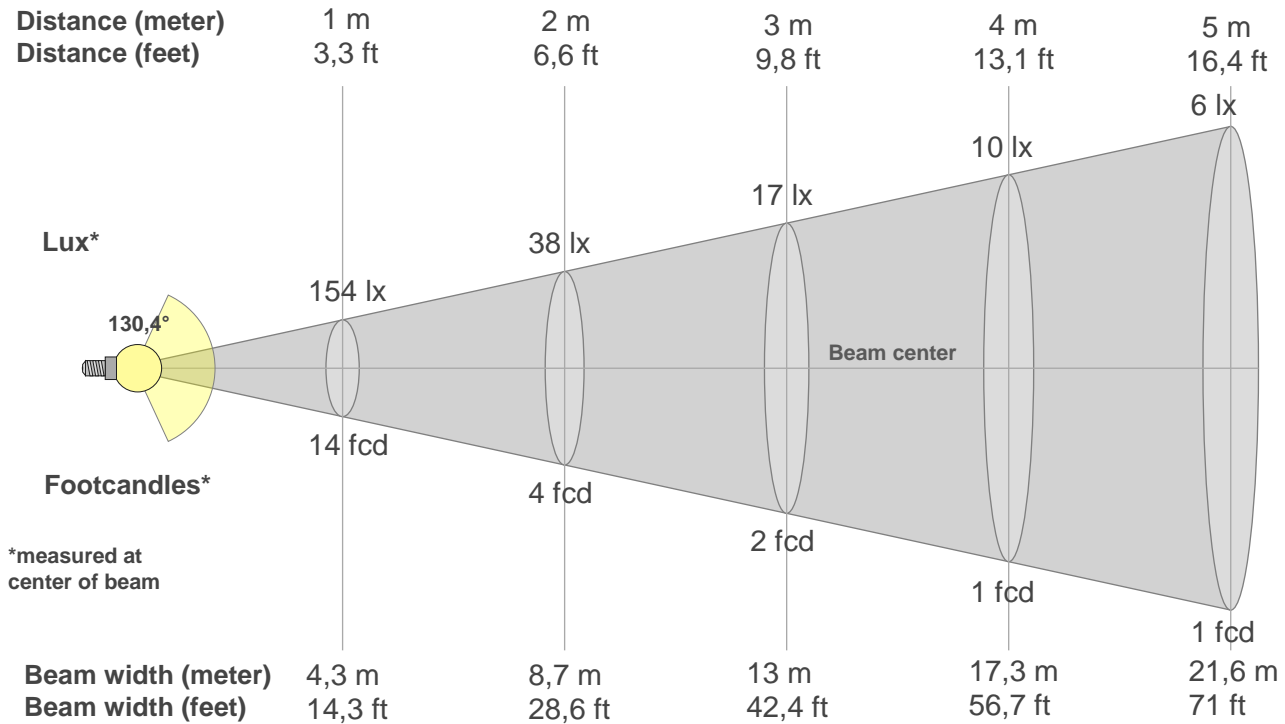
### ISO lux diagram



Mounting height: 10 meters (33 f)



## 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
154lx	38lx	17lx	10lx	6lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx
14,3fcd	3,6fcd	1,6fcd	0,9fcd	0,6fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd

### 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°
154	148	140	129	117	105	93	81	68	56	43	18	13	7	3	1	1	1	0	0
100%	96%	91%	84%	76%	68%	61%	53%	45%	36%	28%	12%	8%	5%	2%	1%	0%	0%	0%	0%

### 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°
154	161	161	158	150	139	126	110	92	72	52	24	3	1	1	0	0	0	0	0
100%	105%	105%	103%	98%	91%	82%	71%	60%	47%	34%	16%	2%	1%	0%	0%	0%	0%	0%	0%

### 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°
154	152	147	139	128	116	104	92	79	66	53	33	18	12	6	3	1	1	0	0
100%	99%	96%	90%	83%	75%	68%	60%	52%	43%	35%	21%	12%	8%	4%	2%	1%	0%	0%	0%

### 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°
154	146	132	116	96	77	61	49	40	32	24	15	3	2	1	1	0	0	0	0
100%	95%	86%	75%	63%	50%	40%	32%	26%	21%	16%	10%	2%	1%	1%	0%	0%	0%	0%	0%

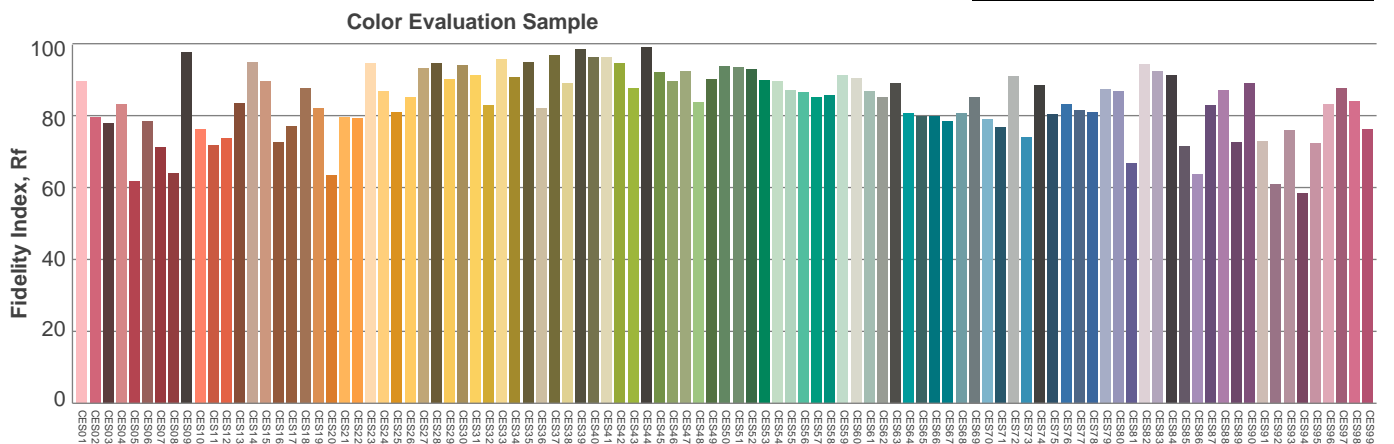
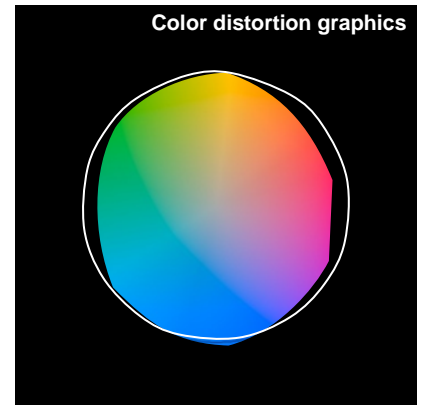
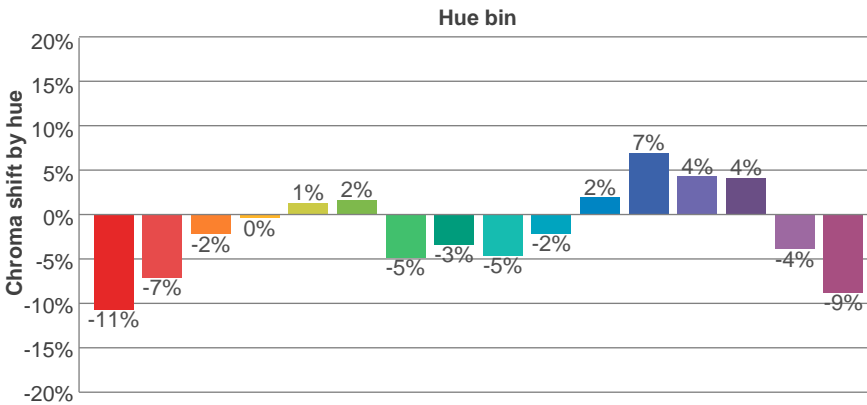
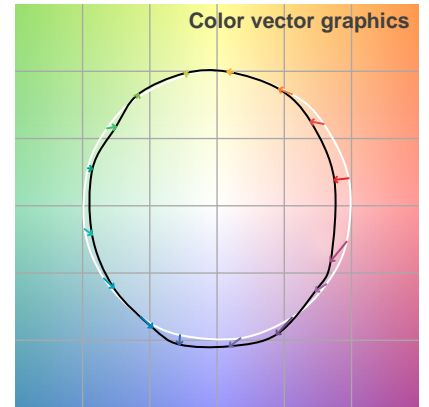
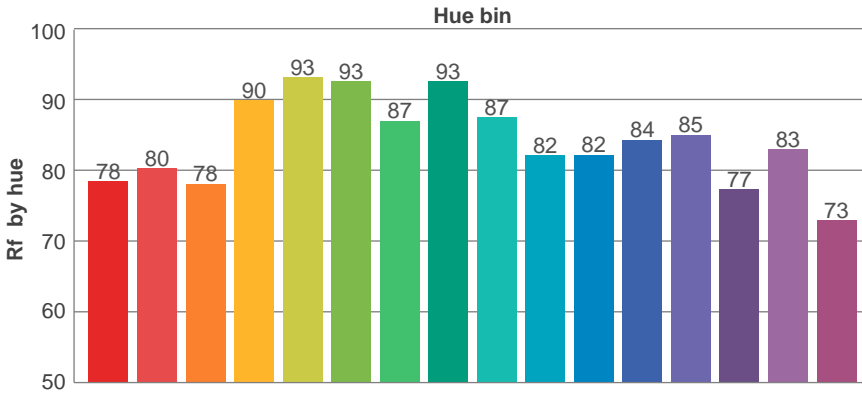
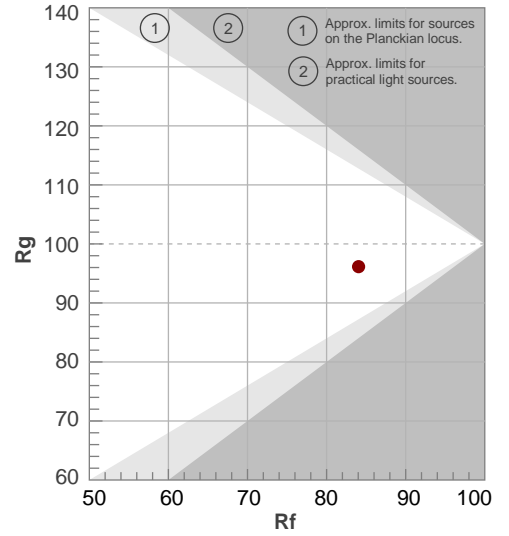
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
130,4°	207,8°	232,3°	58,2%	38,0%

## TM30 details

**Rf 84,0**  
Fidelity index Rf

**Rg 96,1**  
Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	80	-7%	7%
3	78	-2%	10%
4	90	0%	4%
5	93	1%	3%
6	93	2%	-3%
7	87	-5%	-5%
8	93	-3%	0%
9	87	-5%	5%
10	82	-2%	10%
11	82	2%	11%
12	84	7%	1%
13	85	4%	-9%
14	77	4%	-16%
15	83	-4%	-9%
16	73	-9%	-17%



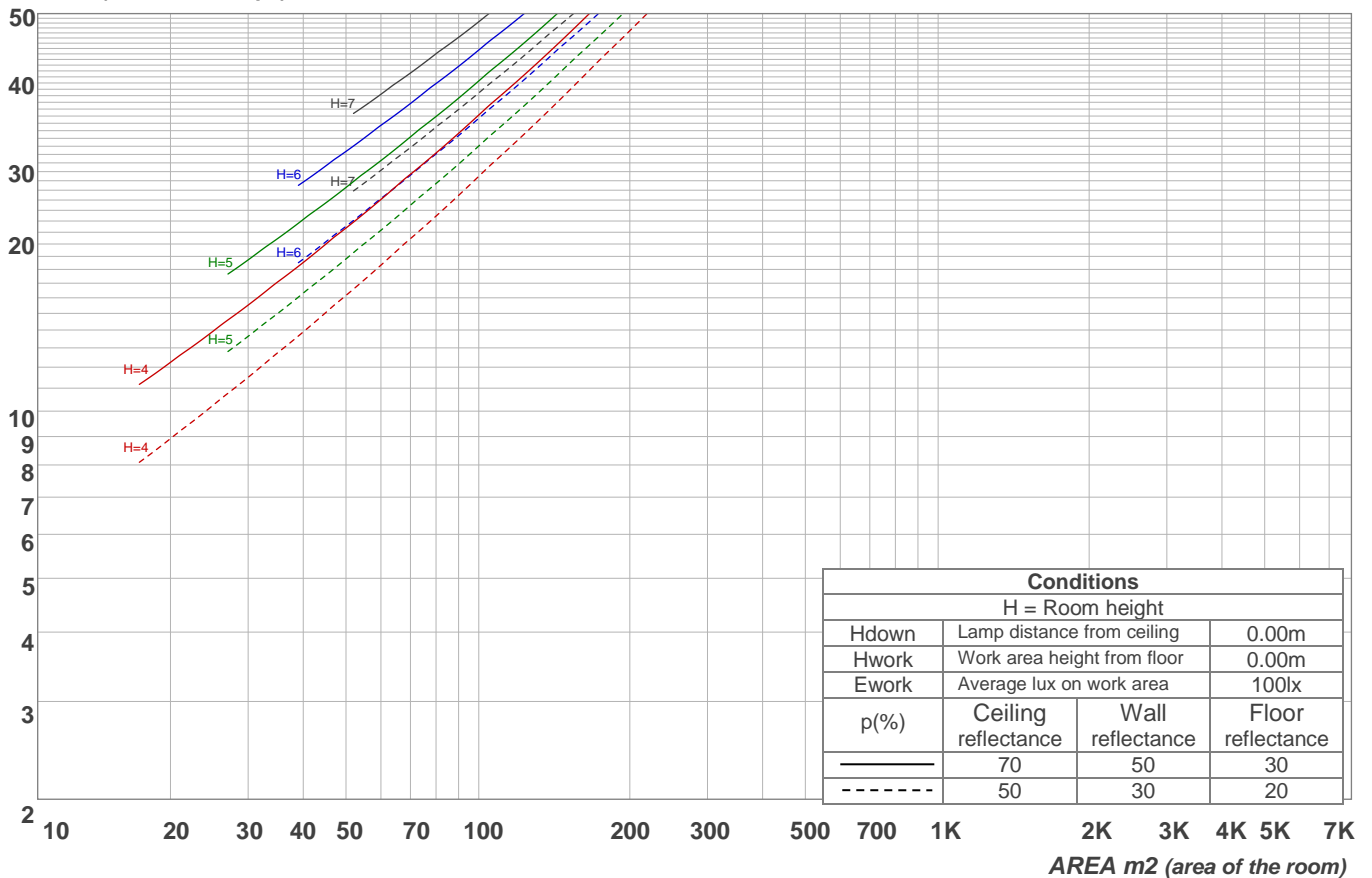
# Light planning

## 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	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																				
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91			
1	103	97	91	86	99	93	88	84	87	83	79	82	78	75	76	74	71	68			
2	92	82	74	67	89	80	72	66	74	68	63	69	64	60	65	61	57	54			
3	83	71	62	54	80	69	60	53	64	57	51	60	54	49	56	51	47	44			
4	76	63	53	45	73	61	52	45	57	49	43	53	47	41	50	44	40	37			
5	70	56	46	39	67	54	45	38	51	43	37	47	41	35	45	39	34	31			
6	64	50	40	33	61	48	39	33	45	38	32	43	36	31	40	34	30	27			
7	59	45	36	29	57	44	35	29	41	33	28	39	32	27	37	31	26	24			
8	55	41	32	26	53	40	31	25	38	30	25	36	29	24	34	28	23	21			
9	51	37	29	23	49	36	28	23	35	27	22	33	26	22	31	25	21	19			
10	48	34	26	21	46	34	26	21	32	25	20	30	24	19	29	23	19	17			

LAMPS (number of lamps)

### Luminaire budgetary diagram

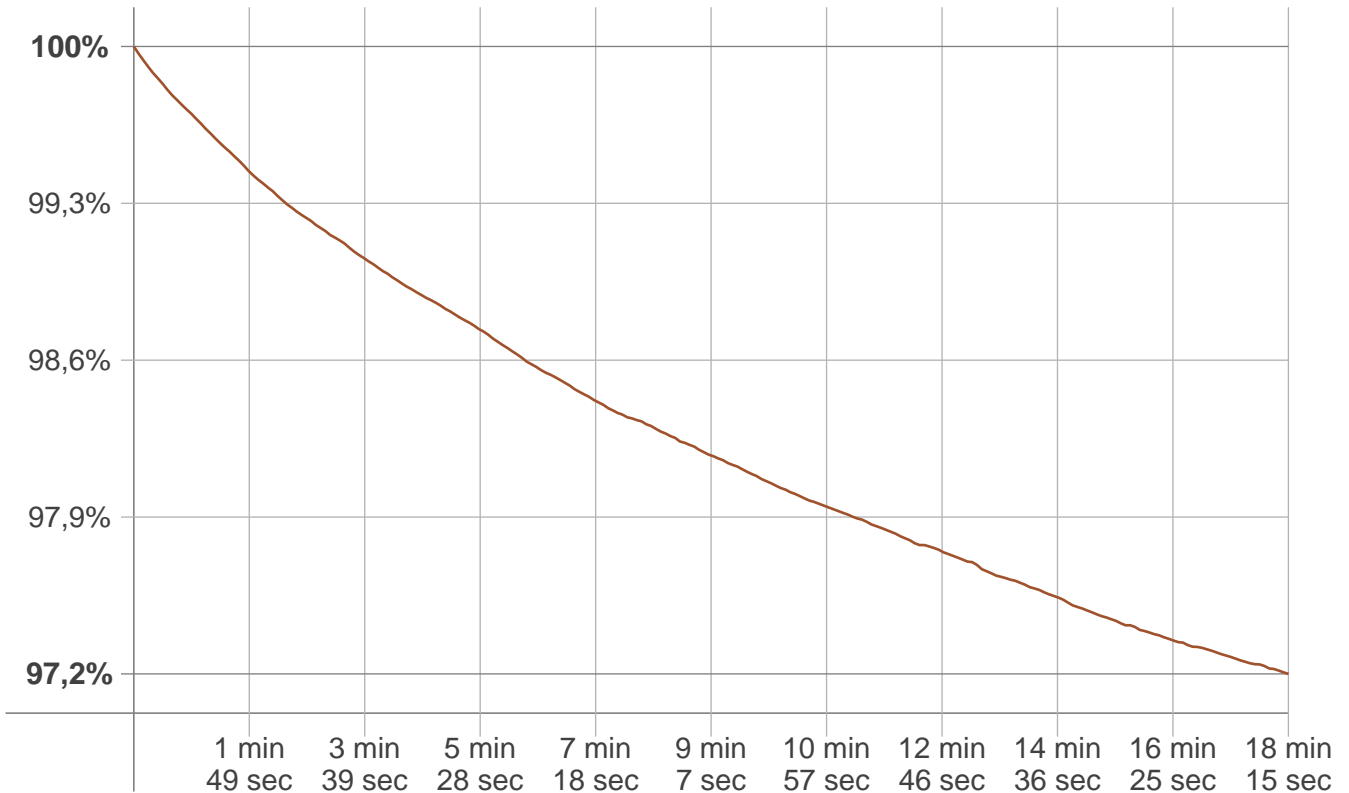


### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
14,5 lm	41,7 lm	63,6 lm	77,8 lm	84,4 lm	84,7 lm	79,4 lm	69,4 lm	55,0 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
36,9 lm	12,2 lm	6,30 lm	2,78 lm	0,988 lm	0,381 lm	0,195 lm	0,095 lm	0,028 lm

# Stabilization

## Warmup curve



## Warmup result

Warmup time:	18 min 15 sec
Warmup variation	-2,8%

## Warmup conditions

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

## Color temperature change

CCT start	CCT change	CCT end
2957 K	+7 K	2964 K

## Output change

Output start	Output change	Output end
648 lm	-18 lm	630 lm