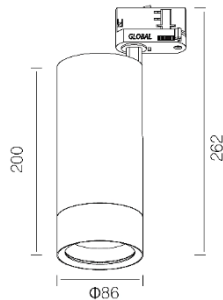




**Dimensiones (mm)**

**Ancho:** Ø86  
**Alto:** 200.



**Código**

**HKT8597**

**Descripción**

Luminaria tipo reflector, diseñada con COB de LED integrado. Compuesta en la parte interna por un óptico especular y un difusor en acrílico transparente.




**Materiales y acabado**

Cuerpo en aluminio inyectado con acabado en pintura poliéster electrostática texturizada.

**Color**

Blanco.

**Características técnicas**

LED	 27°	 30,000h	IP 20	
PF 1	THD <10%	°C 0-55	V 120	

**Fuente de luz**

COB de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
40W	>80	3000	82	3235

**Características de fuente de luz**

- Color temperatura disponible 3000K (cálido).
- Marca LED: LUMENS.
- Potencia de Salida: 39,4W.

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



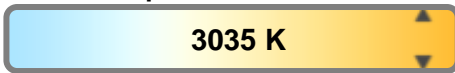
Light efficiency:



Light quality:



Color temperature:



Output: 3235 lm

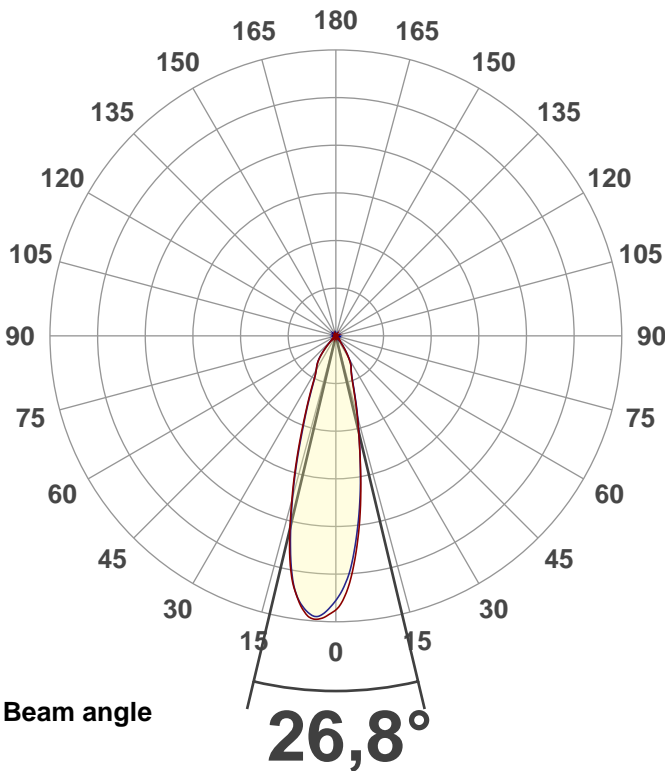
Peak: 9498 cd

Power: 39,4 W

PF: 1,0



Product name:  
E0173-HKT8597



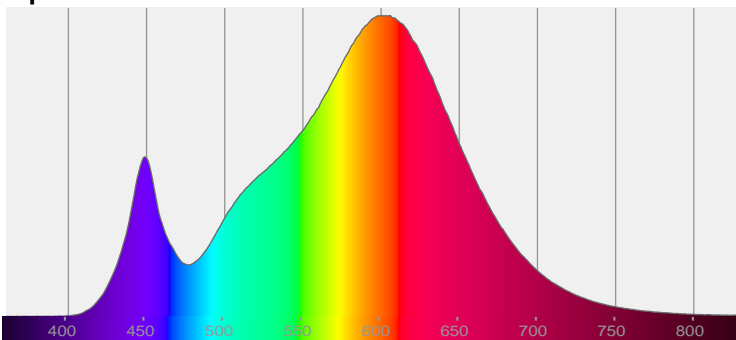
CIE 1931  
x: 0,433  
y: 0,399

THD Values:

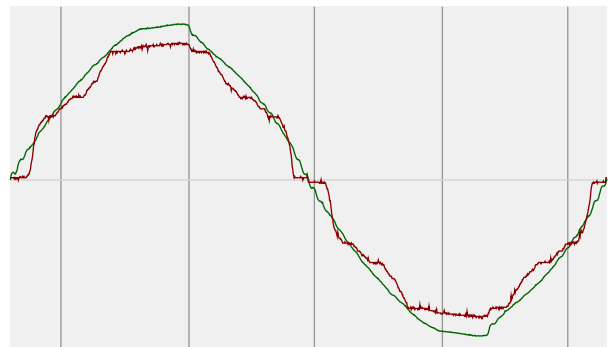
Voltage: 2,6%

Current: 7,83%

Spectra

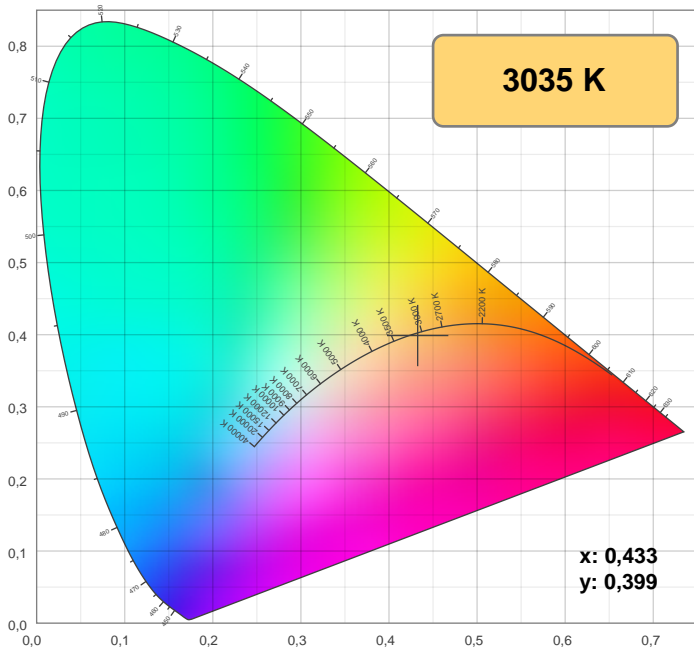


Power



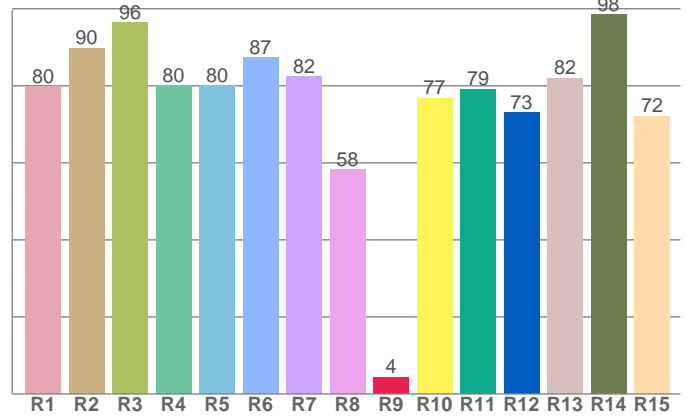
Voltage: 116 V  
Current: 0,341 A  
Frequency: 59,9 Hz

## Color details



CIE 1931

**CRI: 81,7 (R1-R8)**

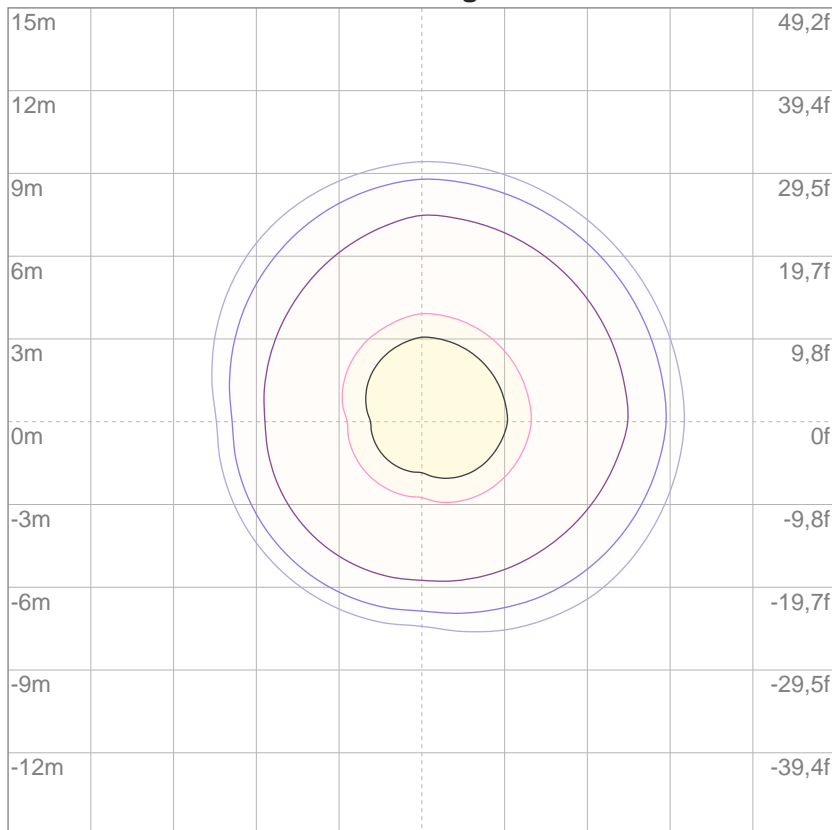


CRI R values, only R1-R8 are used to calculate final CRI value

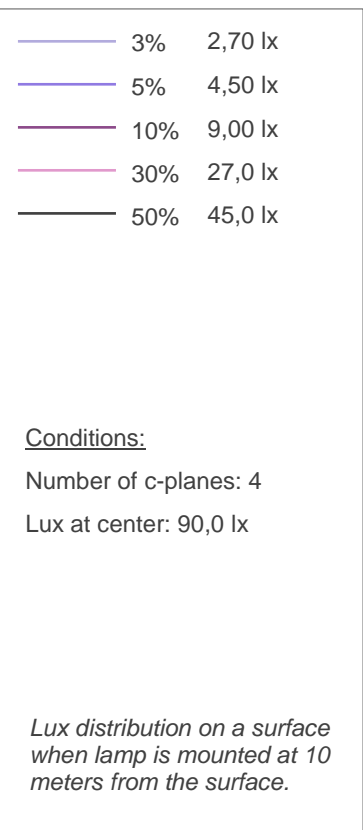
R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
79,8	89,7	96,4	80,0	80,1	87,3	82,3	58,2	4,4	76,8	79,1	72,9	82,0	98,4	72,1

## ISO Diagrams

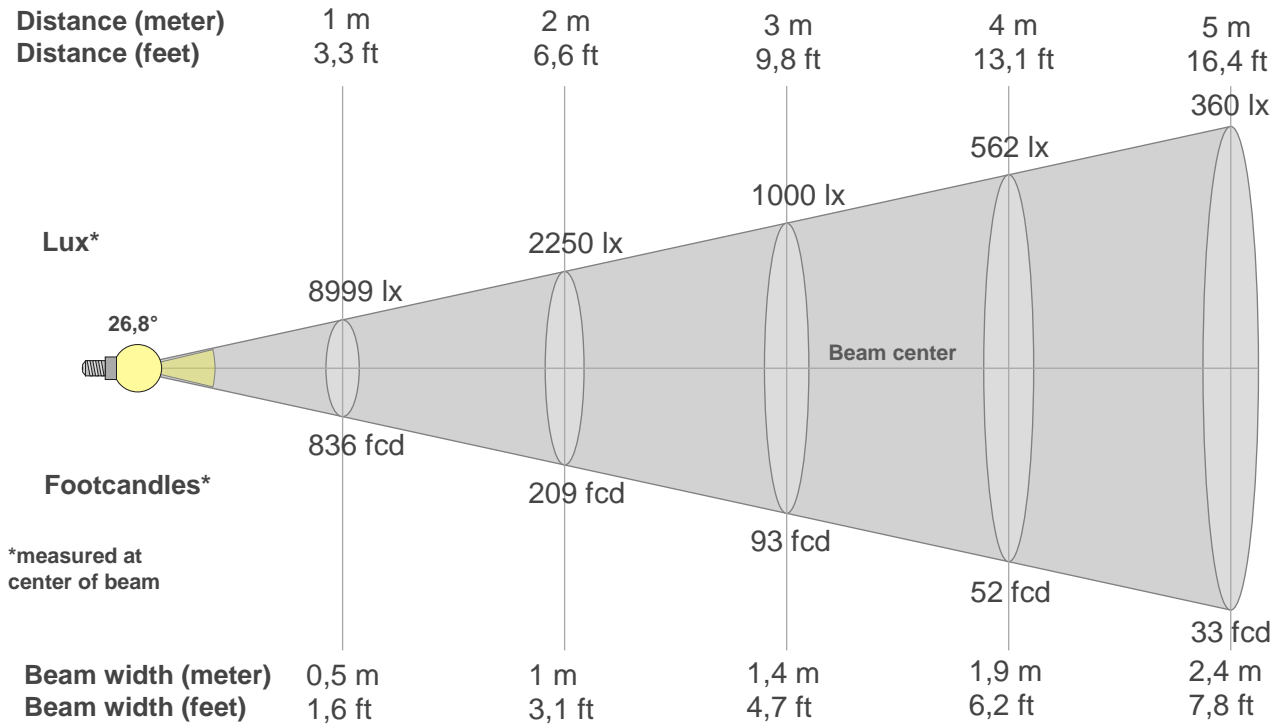
ISO lux diagram



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
8999lx	2250lx	1000lx	562lx	360lx	250lx	184lx	141lx	111lx	90lx	74lx	62lx	53lx	46lx	40lx	35lx	31lx	28lx	25lx	22lx
836fcd	209fcd	92,9fcd	52,2fcd	33,4fcd	23,2fcd	17,1fcd	13,1fcd	10,3fcd	8,4fcd	6,9fcd	5,8fcd	4,9fcd	4,3fcd	3,7fcd	3,3fcd	2,9fcd	2,6fcd	2,3fcd	2,1fcd

### Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8999	8694	7905	6921	5871	4791	3832	3076	2472	1974	1620	1397	1252	1153	1027	861	678	497	323	186
100%	97%	88%	77%	65%	53%	43%	34%	27%	22%	18%	16%	14%	13%	11%	10%	8%	6%	4%	2%

### Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8999	8340	7625	6678	5707	4731	3831	3106	2529	2029	1654	1412	1262	1164	1060	888	697	497	313	188
100%	93%	85%	74%	63%	53%	43%	35%	28%	23%	18%	16%	14%	13%	12%	10%	8%	6%	3%	2%

### Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8999	9379	9498	9367	8944	8344	7424	6266	5143	4127	3272	2613	2118	1723	1462	1315	1207	1096	957	784
100%	104%	106%	104%	99%	93%	83%	70%	57%	46%	36%	29%	24%	19%	16%	15%	13%	12%	11%	9%

### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8999	9213	9398	9259	8915	8279	7292	6159	5045	4008	3153	2533	2035	1672	1448	1306	1202	1096	962	781
100%	102%	104%	103%	99%	92%	81%	68%	56%	45%	35%	28%	23%	19%	16%	15%	13%	12%	11%	9%

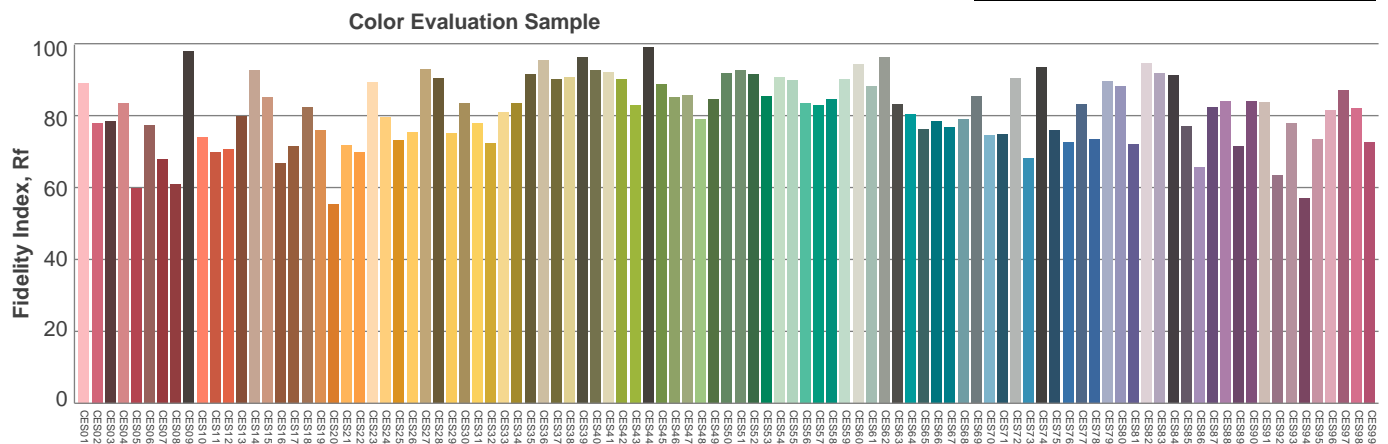
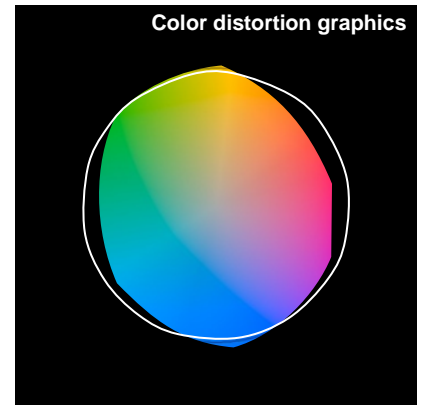
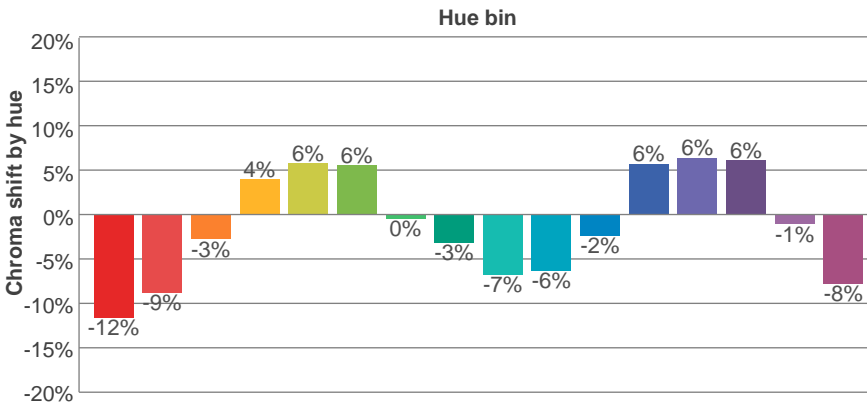
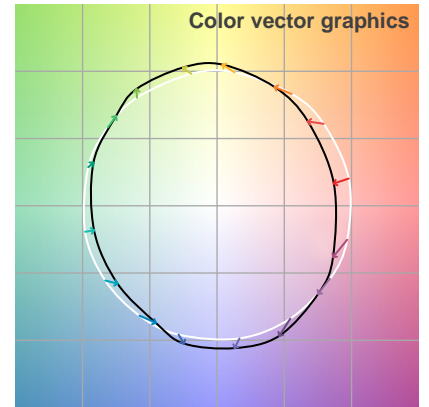
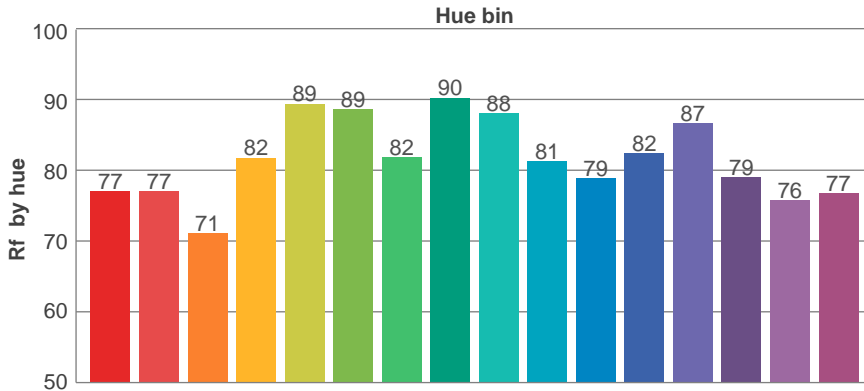
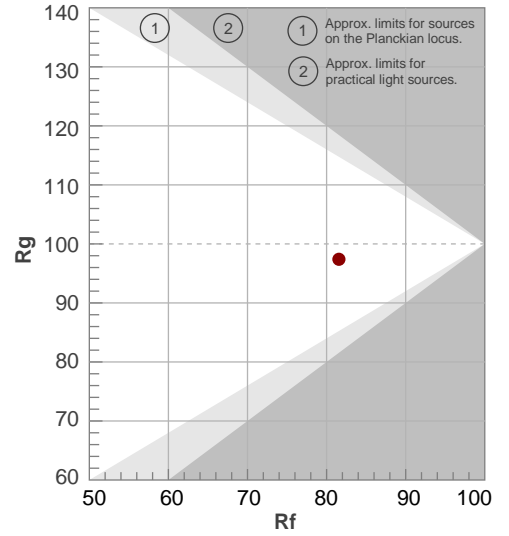
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,8°	65,4°	81,1°	98,9%	97,1%

## TM30 details

**Rf 81,6**  
Fidelity index Rf

**Rg 97,4**  
Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	-1%
2	77	-9%	8%
3	71	-3%	13%
4	82	4%	10%
5	89	6%	5%
6	89	6%	-3%
7	82	0%	-10%
8	90	-3%	-4%
9	88	-7%	0%
10	81	-6%	7%
11	79	-2%	13%
12	82	6%	5%
13	87	6%	-5%
14	79	6%	-14%
15	76	-1%	-14%
16	77	-8%	-15%



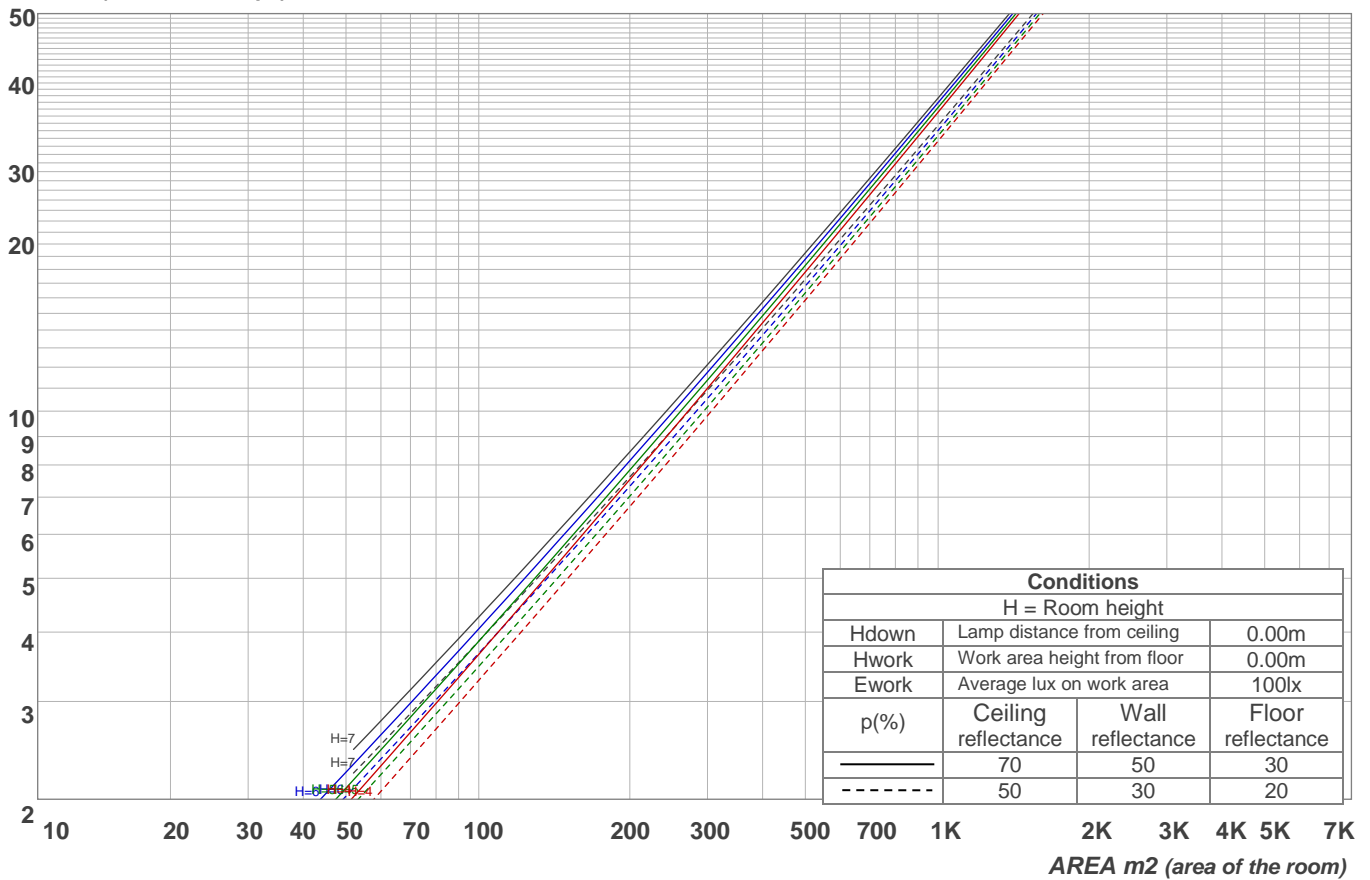
# Light planning

## 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
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																	
	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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	74	71	70
8	86	77	72	69	84	77	72	69	76	72	68	75	71	68	74	70	68	67
9	82	74	69	66	81	74	69	66	73	69	65	72	68	65	71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61

LAMPS (number of lamps)

## Luminaire budgetary diagram

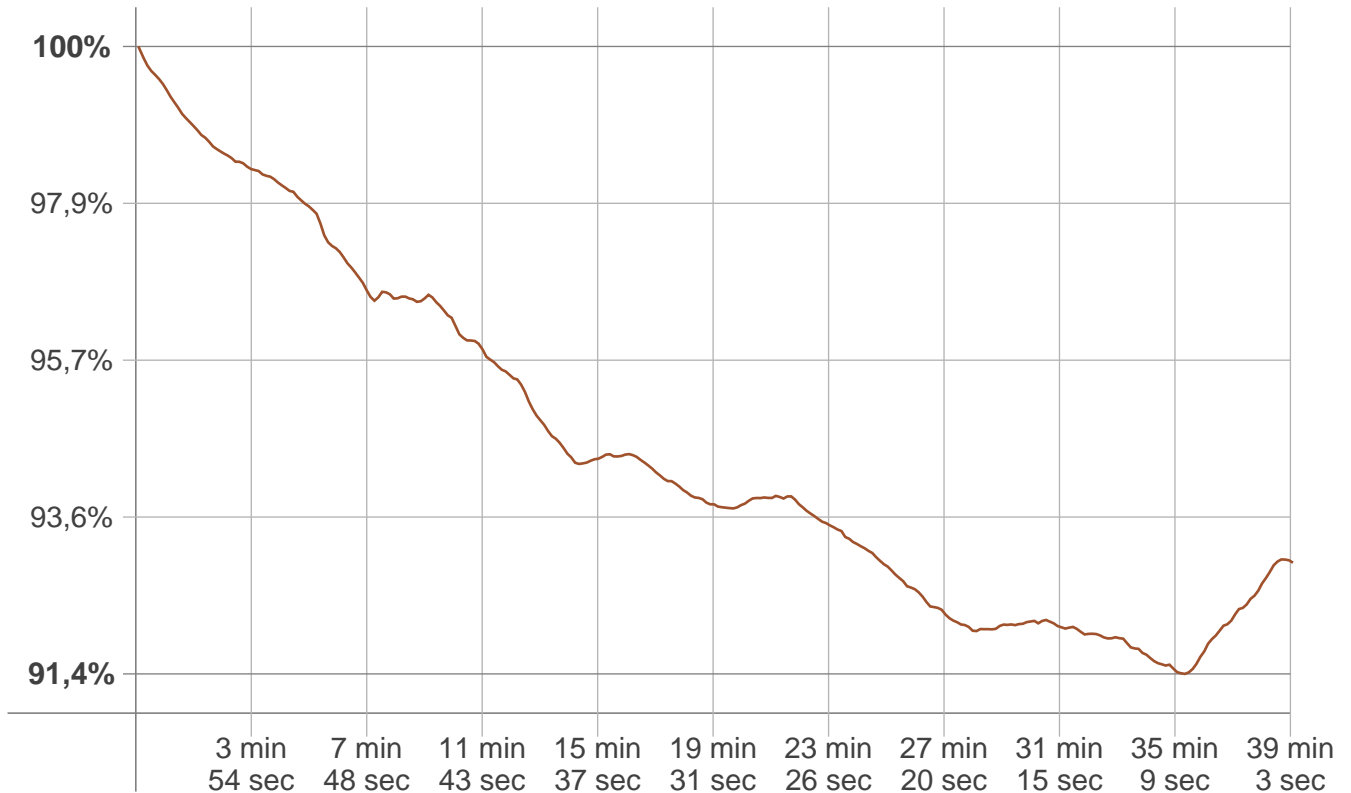


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
738 lm	1155 lm	728 lm	440 lm	108 lm	31,0 lm	16,4 lm	10,4 lm	4,88 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,328 lm	0,316 lm	0,301 lm	0,314 lm	0,283 lm	0,327 lm	0,357 lm	0,231 lm	0,043 lm

# Stabilization

## Warmup curve



## Warmup result

Warmup time:	39 min 9 sec
Warmup variation	-8,7%

## Warmup conditions

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

## Color temperature change

CCT start	CCT change	CCT end
3019 K	+16 K	3035 K

## Output change

Output start	Output change	Output end
3483 lm	-247 lm	3235 lm