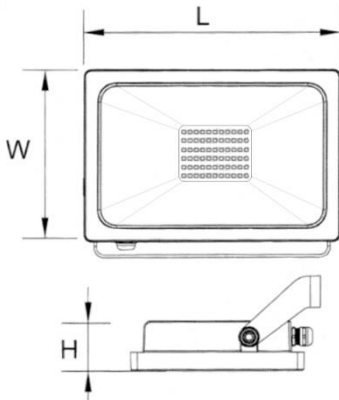


## Luminaria para exterior



### Dimensiones (mm)

**Largo (L): 275; Ancho (W): 205**  
**Alto (H): 33.**



### Código

**ERIS-I-50W-3K**

### Descripción

Luminaria tipo reflector diseñada con módulo de LED (DOB). Para anclar en piso, poste o muro por medio del sujetador ubicado en la parte trasera. Compuesta en la parte interna por una pantalla blanca y un difusor en vidrio templado.




### Materiales y acabado

Cuerpo en termoplástico (PA) inyectado. Sujetador fabricado en lámina de hierro calibre #14, con acabado en pintura poliéster electrostática en polvo.

### Color

Gris.

### Características técnicas

LED	 115°	 35,000h	IP 65	IK 08
PF 0,92	THD <40%	°C 0-55	V 100-240	

### Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
50W	>80	3000	77	3702

### Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- “DOB”, Driver on board.
- Potencia de Salida: 48,1W.

Light efficiency:



Light quality:



Color temperature:



Output: 3702 lm

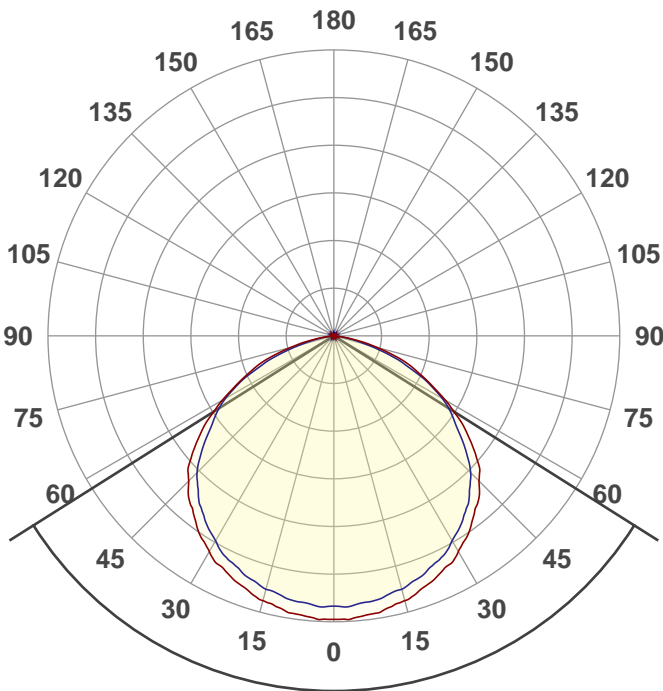
Peak: 1317 cd

Power: 48,1 W

PF: 0,92



Product name:  
E0013-ERIS-I-50W-3K



Beam angle **115,5°**



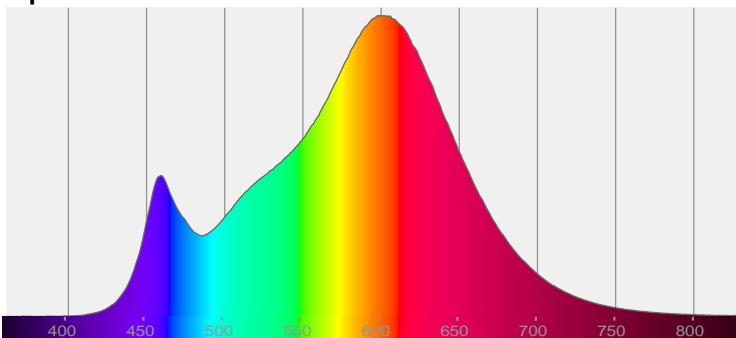
CIE 1931  
x: 0,437  
y: 0,404

THD Values:

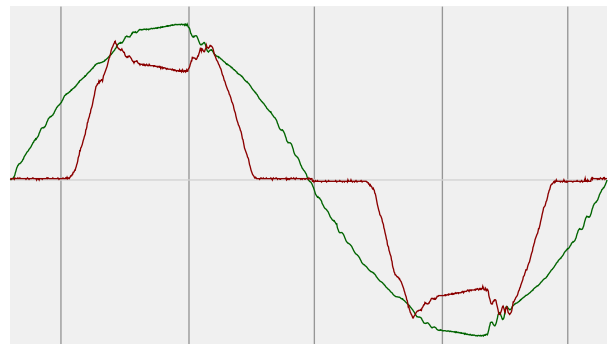
Voltage: 3%

Current: 39,75%

Spectra

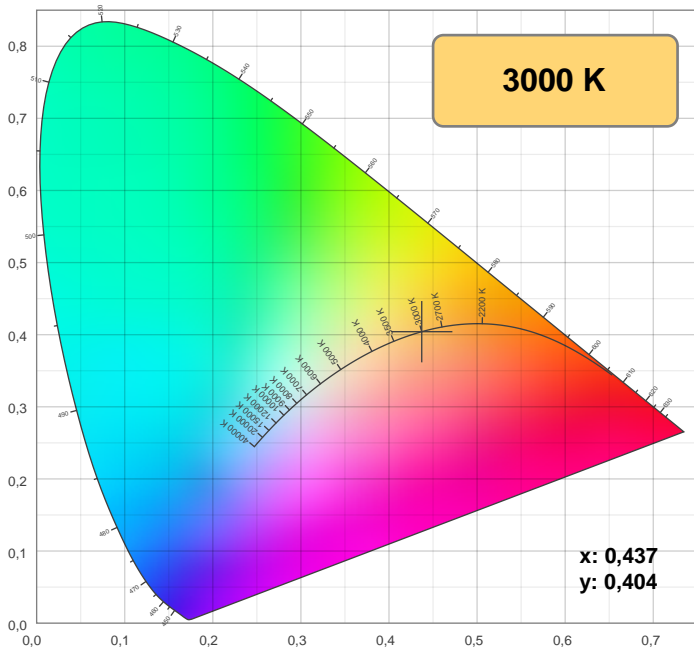


Power



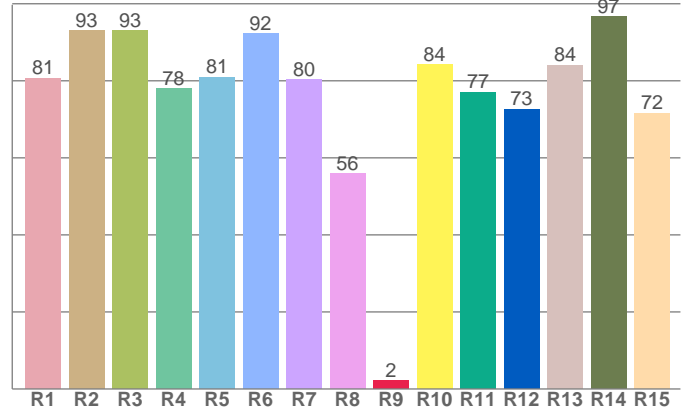
Voltage: 112 V  
Current: 0,467 A  
Frequency: 59,9 Hz

## Color details



CIE 1931

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

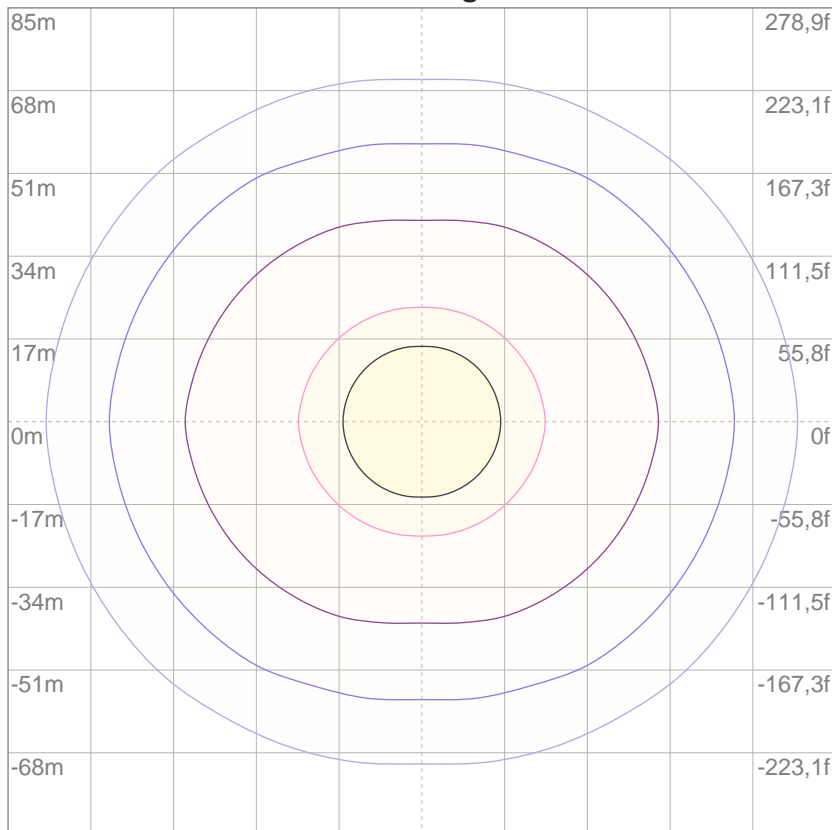


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
80,7	93,1	93,0	78,0	80,9	92,2	80,3	55,8	2,1	84,2	77,1	72,7	84,0	96,7	71,6

## ISO Diagrams

### ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,385 lx
5%	0,642 lx
10%	1,28 lx
30%	3,85 lx
50%	6,42 lx

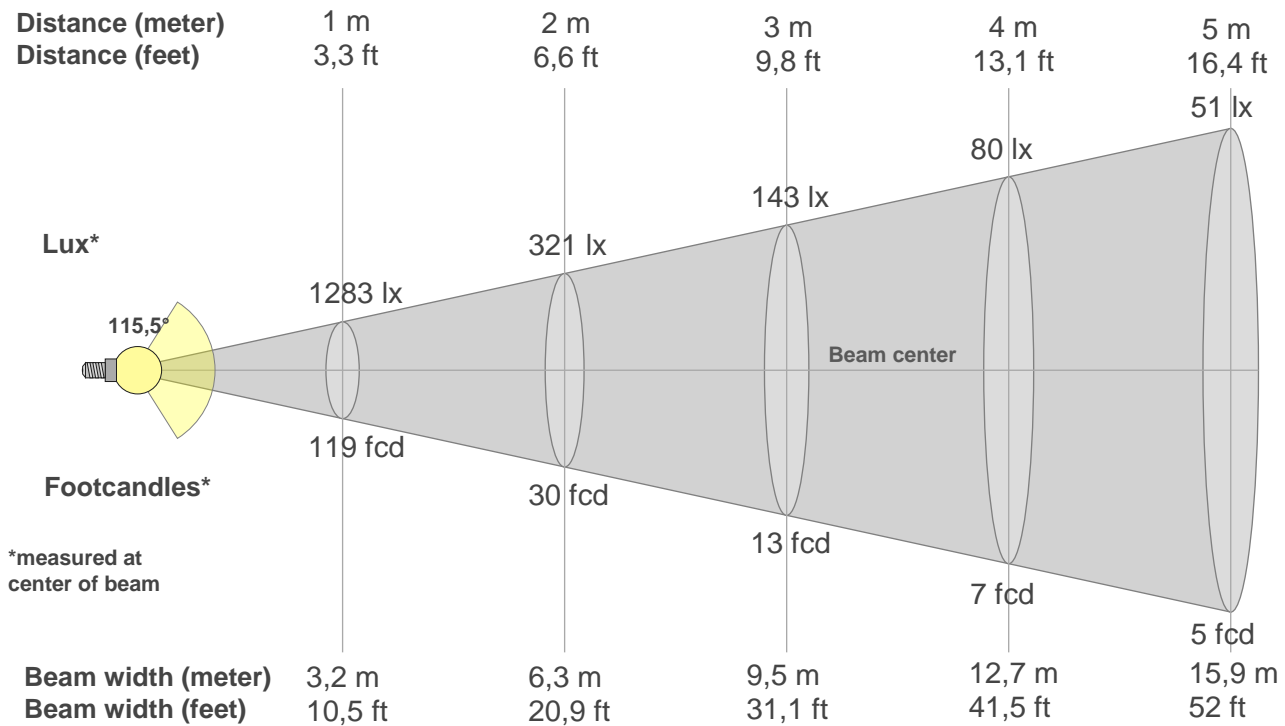
Conditions:

Number of c-planes: 4

Lux at center: 12,8 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
1283lx	321lx	143lx	80lx	51lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
119,2fcd	29,8fcd	13,2fcd	7,5fcd	4,8fcd	3,3fcd	2,4fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	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°
1283	1308	1294	1270	1236	1198	1154	1098	1029	952	858	736	597	463	349	207	88	11	1	0
100%	102%	101%	99%	96%	93%	90%	86%	80%	74%	67%	57%	47%	36%	27%	16%	7%	1%	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°
1283	1248	1237	1216	1186	1149	1097	1042	976	896	788	680	580	447	305	161	67	8	1	0
100%	97%	96%	95%	92%	90%	85%	81%	76%	70%	61%	53%	45%	35%	24%	13%	5%	1%	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°
1283	1308	1294	1270	1236	1198	1154	1098	1029	952	858	736	597	463	349	207	88	11	1	0
100%	102%	101%	99%	96%	93%	90%	86%	80%	74%	67%	57%	47%	36%	27%	16%	7%	1%	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°
1283	1248	1237	1216	1186	1149	1097	1042	976	896	788	680	580	447	305	161	67	8	1	0
100%	97%	96%	95%	92%	90%	85%	81%	76%	70%	61%	53%	45%	35%	24%	13%	5%	1%	0%	0%

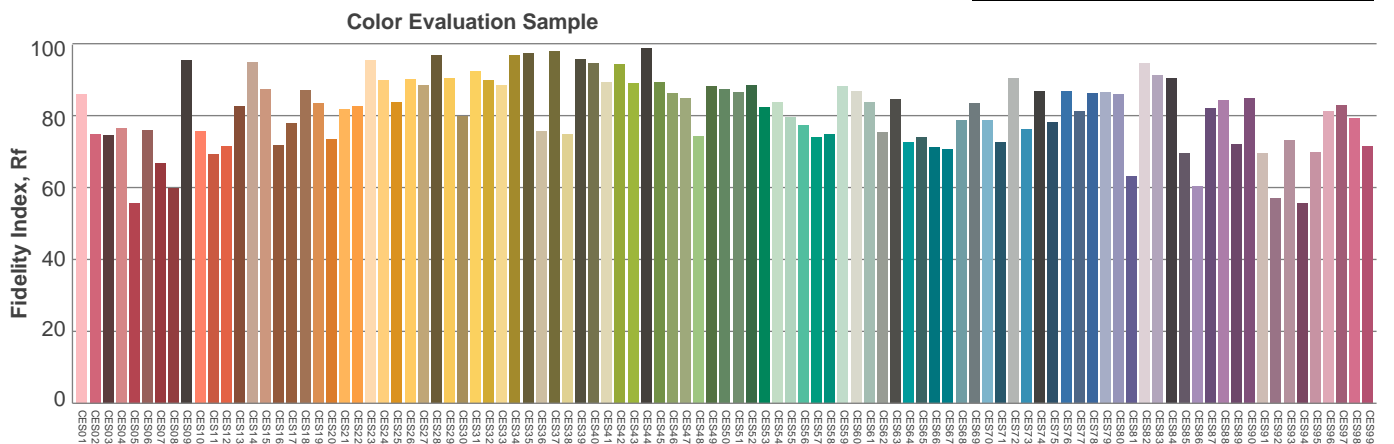
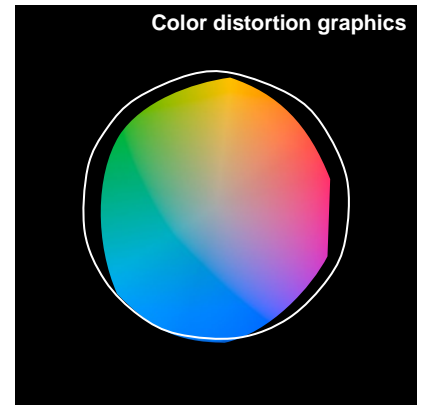
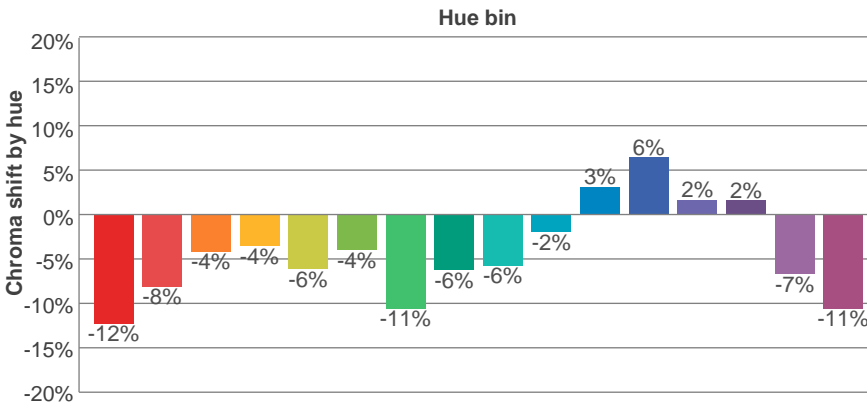
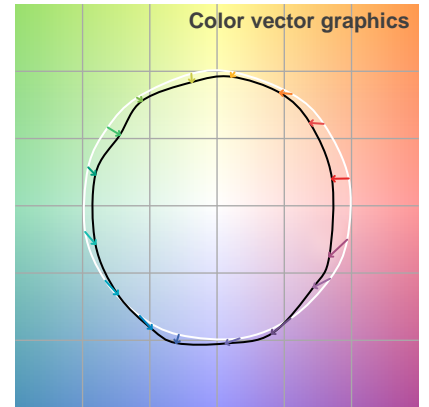
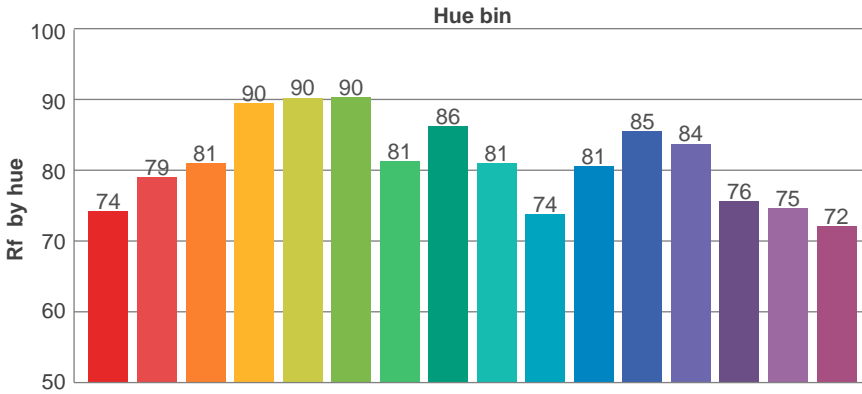
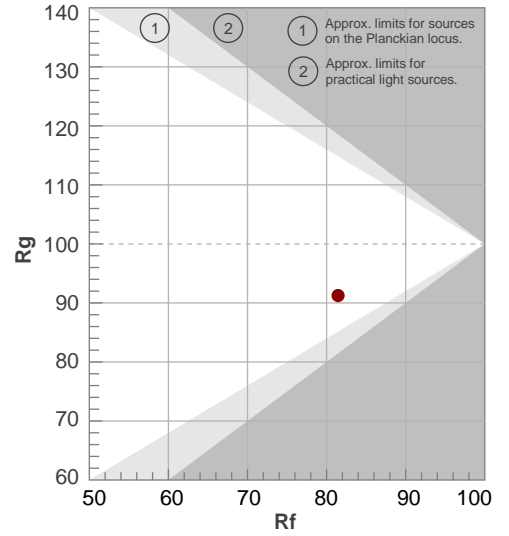
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,5°	154,8°	165,5°	81,7%	55,1%

## TM30 details

**Rf 81,4**  
Fidelity index Rf

**Rg 91,2**  
Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	74	-12%	2%
2	79	-8%	6%
3	81	-4%	8%
4	90	-4%	2%
5	90	-6%	1%
6	90	-4%	-2%
7	81	-11%	0%
8	86	-6%	4%
9	81	-6%	10%
10	74	-2%	14%
11	81	3%	13%
12	85	6%	-1%
13	84	2%	-11%
14	76	2%	-18%
15	75	-7%	-12%
16	72	-11%	-15%



# 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	31,9	33,2	32,1	33,4	33,6	31,6	32,9	31,9	33,2	33,4
	3H	33,2	34,4	33,5	34,7	34,9	32,9	34,1	33,2	34,3	34,6
	4H	33,6	34,7	34,0	35,0	35,3	33,2	34,3	33,5	34,6	34,9
	6H	33,8	34,9	34,2	35,2	35,5	33,3	34,3	33,7	34,6	34,9
	8H	33,8	34,8	34,2	35,1	35,5	33,3	34,3	33,7	34,6	34,9
	12H	33,8	34,7	34,2	35,1	35,4	33,3	34,2	33,7	34,5	34,9
4H	2H	32,5	33,6	32,8	33,8	34,1	32,3	33,4	32,6	33,7	34,0
	3H	34,0	34,9	34,3	35,2	35,6	33,7	34,6	34,1	34,9	35,3
	4H	34,5	35,3	34,9	35,7	36,0	34,1	34,9	34,5	35,3	35,6
	6H	34,7	35,5	35,2	35,8	36,2	34,3	35,0	34,7	35,3	35,7
	8H	34,8	35,4	35,2	35,8	36,2	34,3	34,9	34,7	35,3	35,7
	12H	34,7	35,3	35,2	35,7	36,2	34,2	34,8	34,7	35,2	35,7
8H	4H	34,6	35,3	35,1	35,7	36,1	34,3	34,9	34,7	35,3	35,7
	6H	34,9	35,5	35,4	35,9	36,4	34,5	35,0	34,9	35,4	35,9
	8H	35,0	35,4	35,5	35,9	36,4	34,5	35,0	35,0	35,4	35,9
	12H	35,0	35,4	35,5	35,8	36,3	34,5	34,9	35,0	35,4	35,9
12H	4H	34,6	35,2	35,1	35,6	36,0	34,3	34,8	34,7	35,3	35,7
	6H	34,9	35,4	35,4	35,8	36,3	34,5	34,9	35,0	35,4	35,9
	8H	35,0	35,4	35,5	35,8	36,3	34,5	34,9	35,0	35,4	35,9
Variation of the observer position for the luminaire distance S											
S = 1,0H	+0,1 / -0,1					+0,2 / -0,2					
S = 1,5H	+0,3 / -0,5					+0,3 / -0,5					
S = 2,0H	+0,7 / -0,9					+0,6 / -1,1					
Standard table	BK04					BK04					
Correction summand	17,5					17,1					
Corrected glare indices referring to 3702 lm total luminous flux											

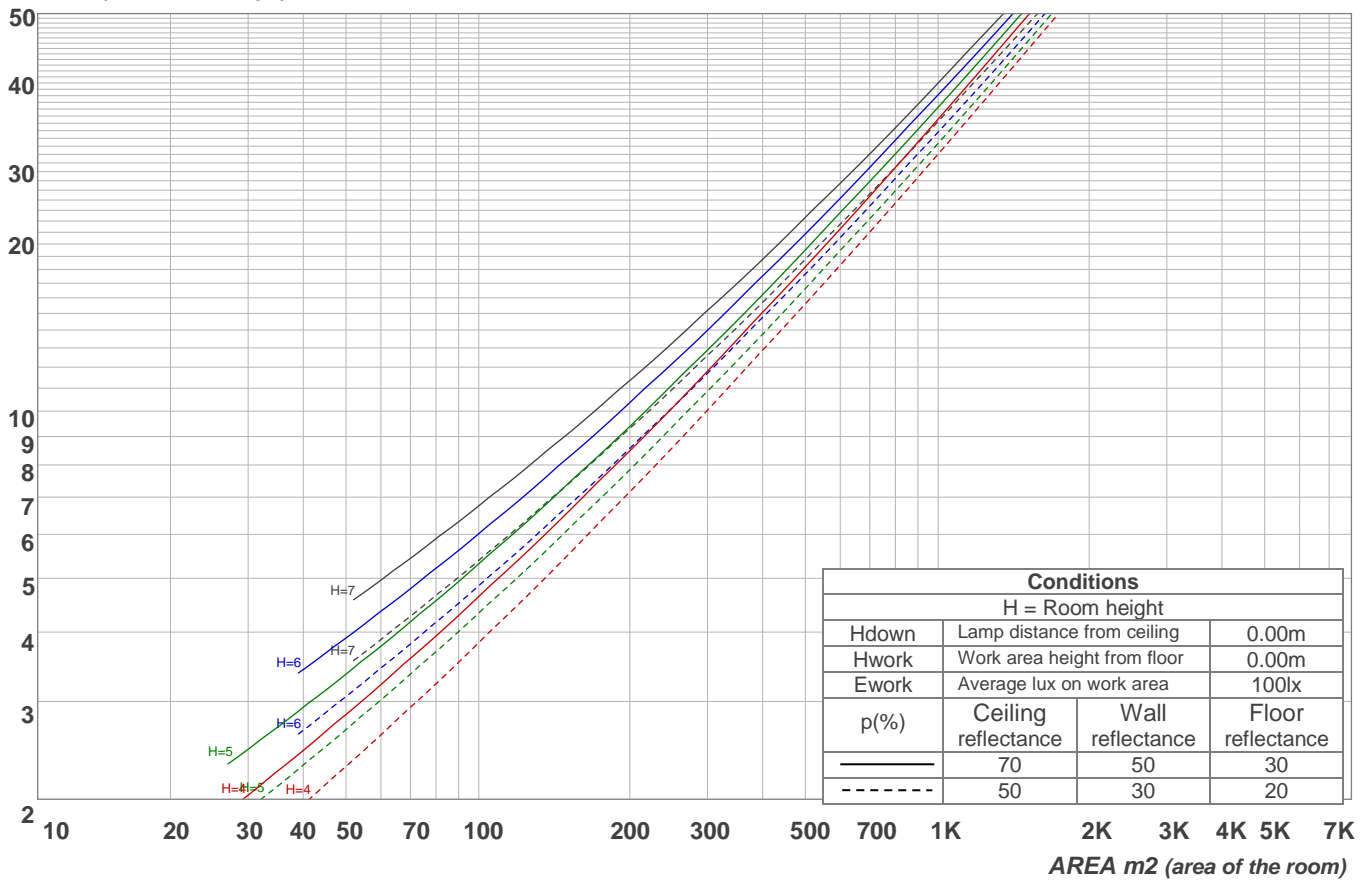
# Light planning

## 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	20	20	20
<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	100	
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85	85	
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71	71	
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60	60	
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51	51	
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44	44	
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39	39	
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34	34	
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30	30	
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27	27	
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25	25	

LAMPS (number of lamps)

## Luminaire budgetary diagram

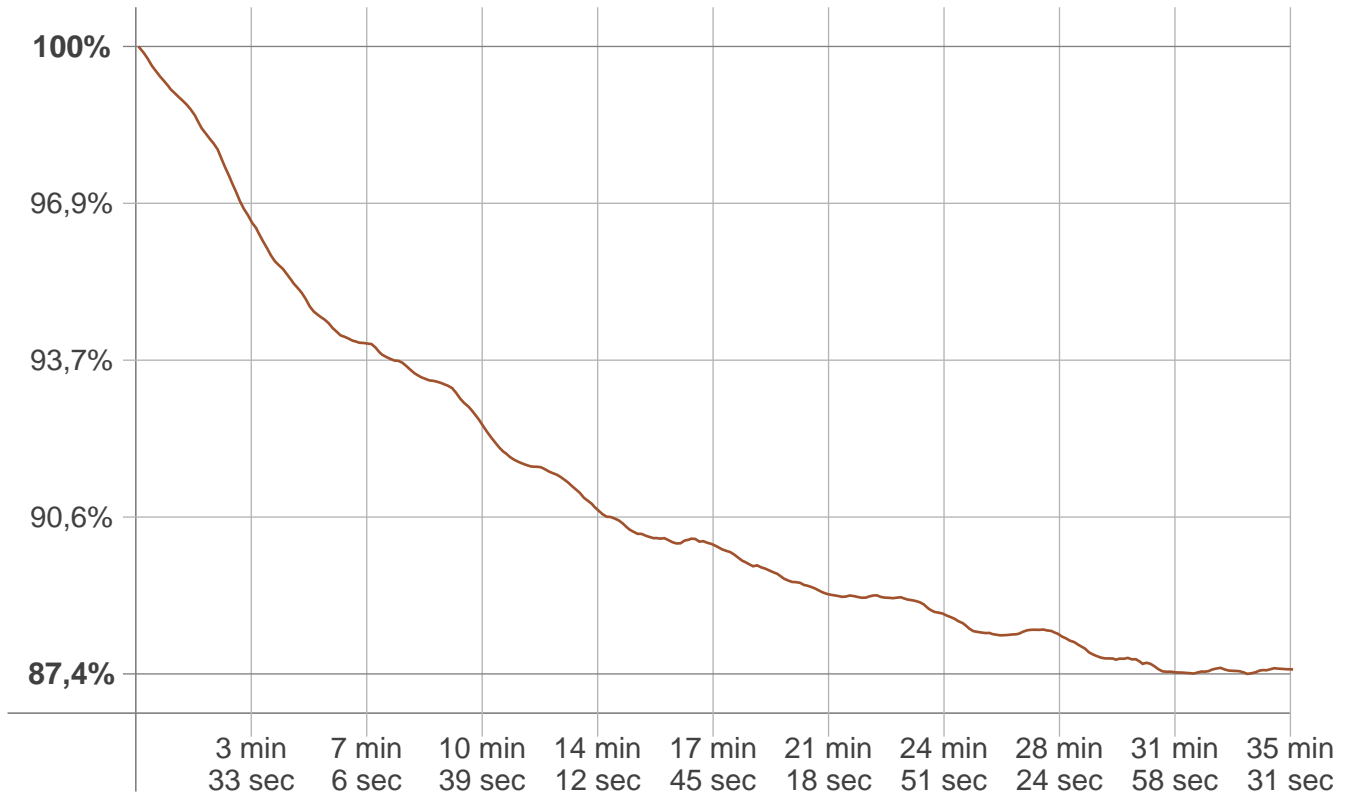


## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
122 lm	351 lm	542 lm	669 lm	711 lm	632 lm	450 lm	202 lm	22,7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,390 lm	0,204 lm	0,201 lm	0,187 lm	0,161 lm	0,129 lm	0,095 lm	0,054 lm	0,019 lm

# Stabilization

## Warmup curve



## Warmup result

Warmup time:	35 min 36 sec
Warmup variation	-12,6%

## Warmup conditions

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

## Color temperature change

CCT start	CCT change	CCT end
2960 K	+40 K	3000 K

## Output change

Output start	Output change	Output end
4203 lm	-502 lm	3702 lm