

**Código****CL-50-50-3K-GL****Descripción**

Cinta de LED. Los tramos permitidos de corte se deben realizar cada 50 mm.



**Materiales y acabado**

Cobertura y cuerpo en silicona.

**Color**

Transparente.

**Características técnicas**

Cinta LED	 120°	 50,000h	IP 65	DC 12V
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**Fuente de luz**

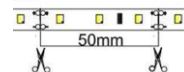
Cinta de LED: 1m.

Potencia Nominal	CRI	K	Lm Salida
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10W	>80	3000	660
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**Características de fuente de luz**

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 7W.
- Transformador eléctrico de 75W. / 12V.
- Los tramos de corte se realizan en donde lo muestra la imagen:

**Dimensiones (mm)**

**Largo:** 5000 el rollo.  
**Ancho:** 14; **Alto:** 8.

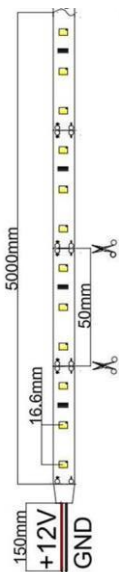
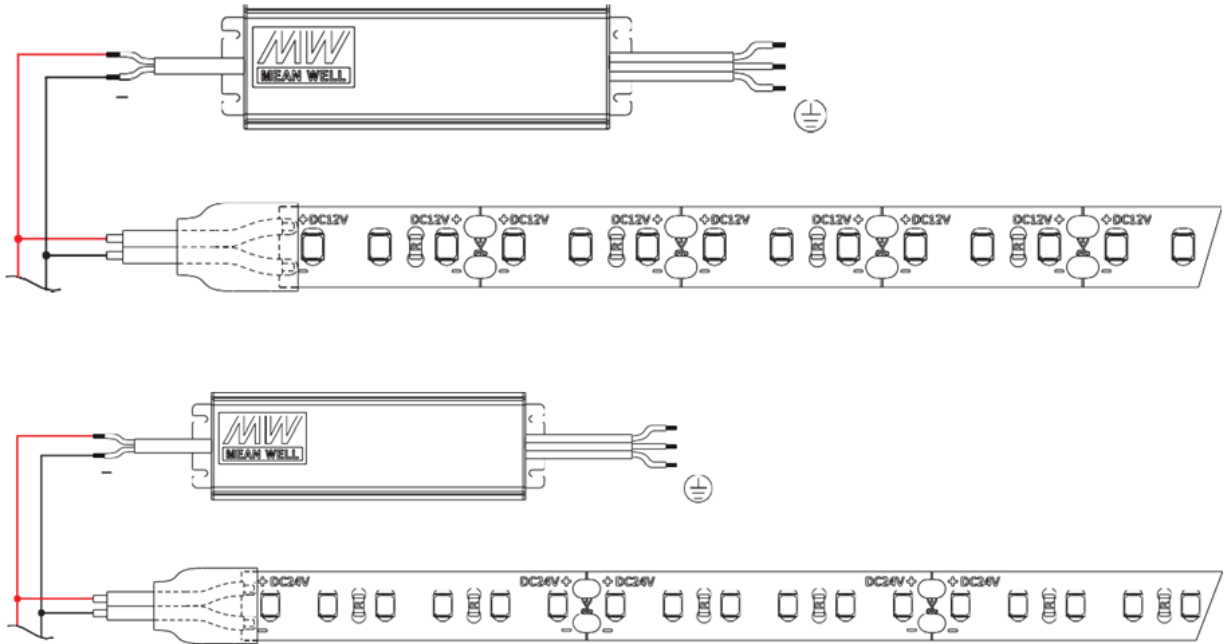


Diagrama esquemático de conexión



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



Light efficiency:



Light quality:



Color temperature:



Output: 660 lm

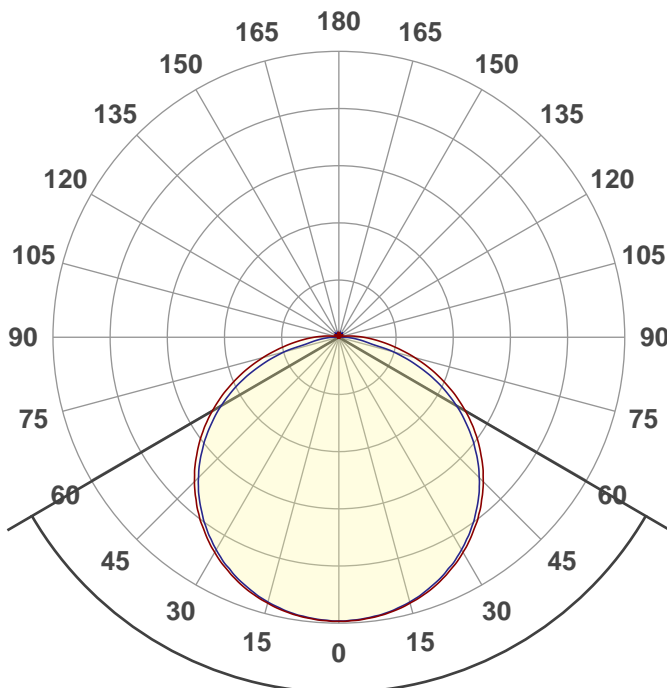
Peak: 205 cd

Power: 7 W

PF: 0,64



Product name:  
E0768-CL-50-50-3K-GL



Beam angle **119,6°**



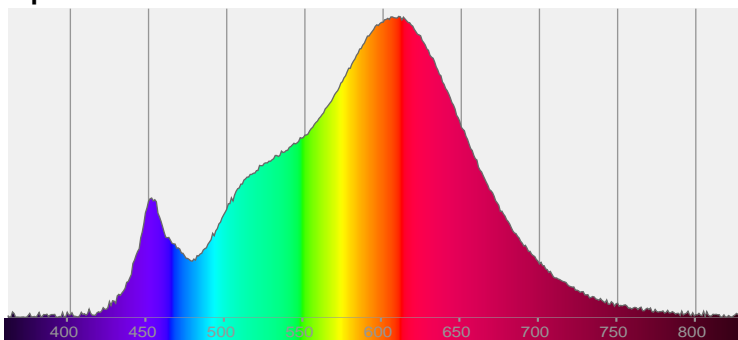
CIE 1931  
x: 0,446  
y: 0,417

THD Values:

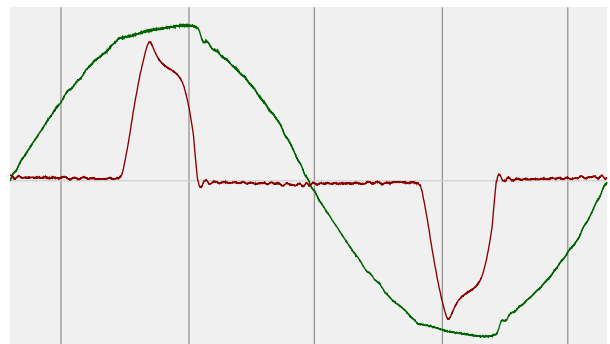
Voltage: 3,16%

Current: 116,53%

Spectra



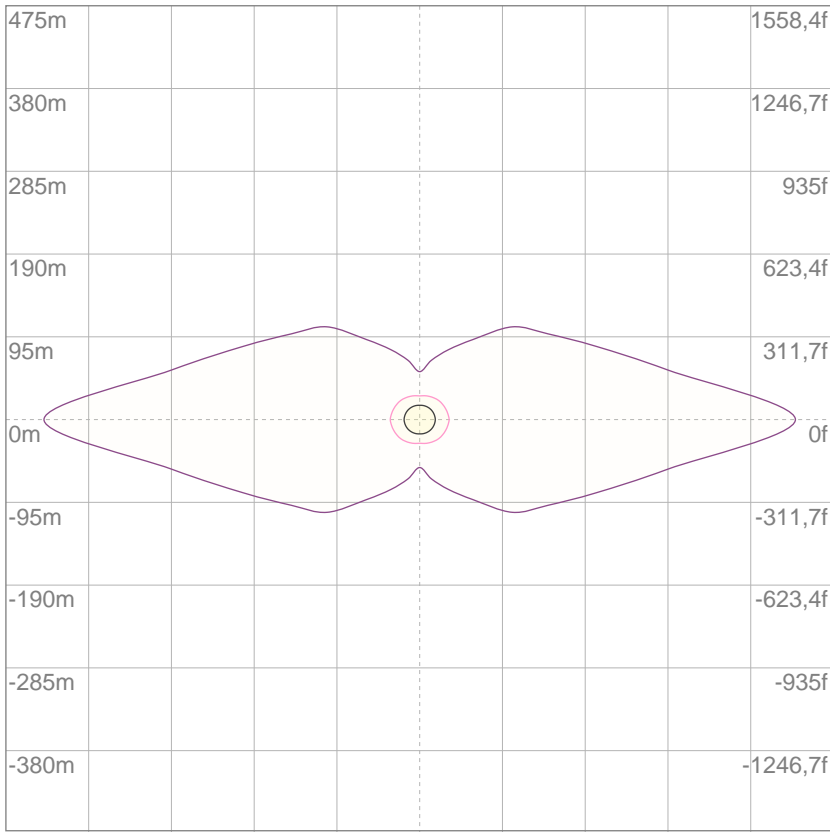
Power



Voltage: 116 V  
Current: 0,482 A  
Frequency: 60 Hz

# ISO Diagrams

## ISO lux diagram



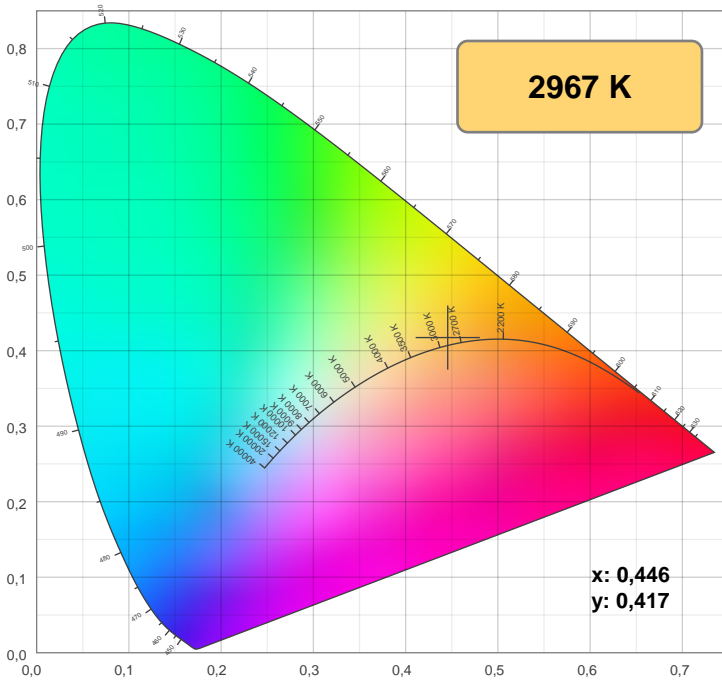
3%	61,6m lx
5%	0,103 lx
10%	0,205 lx
30%	0,616 lx
50%	1,03 lx

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 2,05 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*

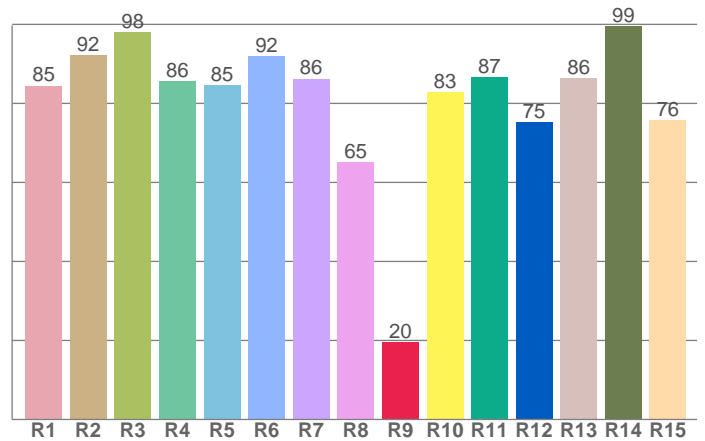
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

## CRI: 86,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,5	92,3	98,2	85,7	84,7	92,1	86,3	65,1	19,5	82,9	86,7	75,3	86,4	99,5	75,8

## Color parameters

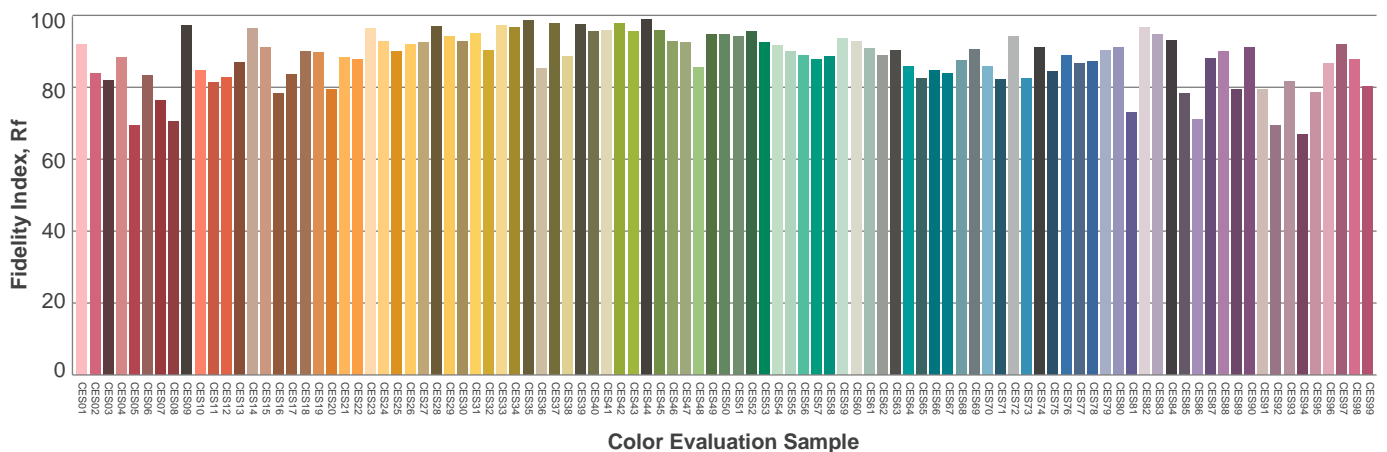
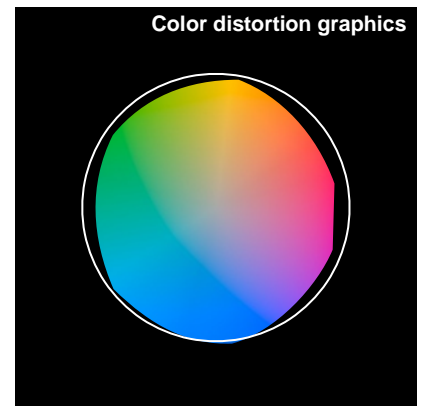
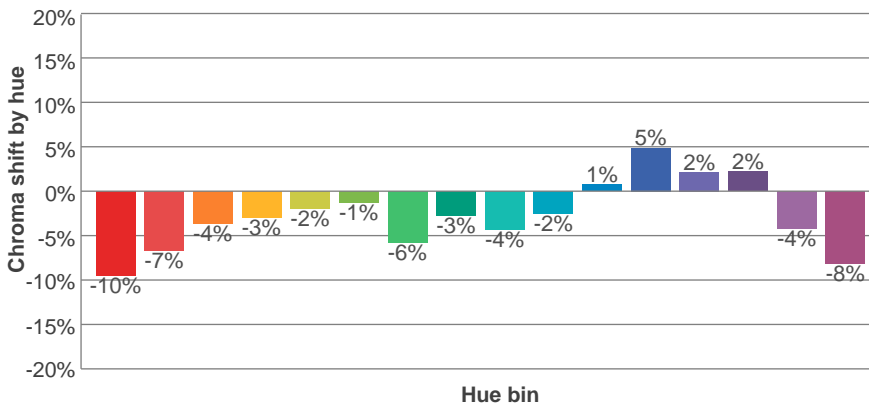
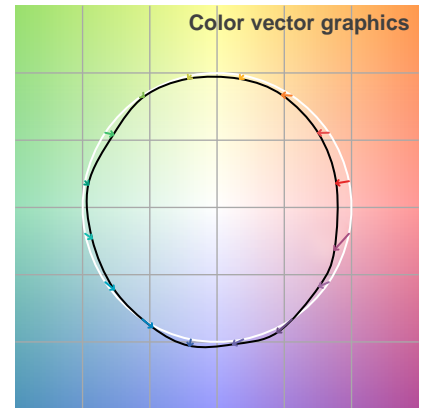
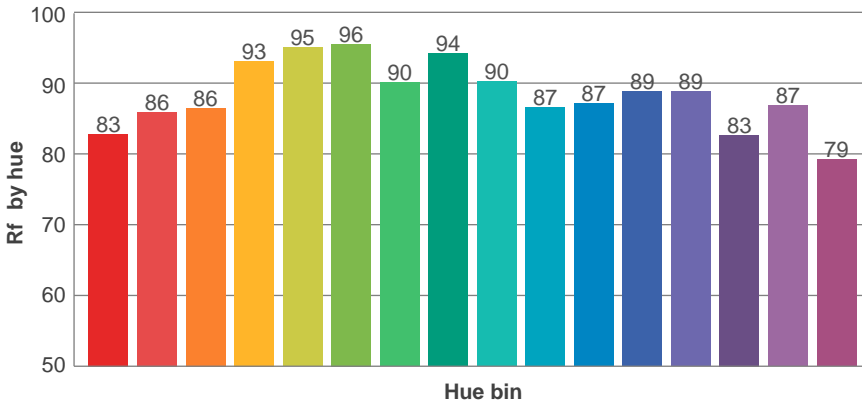
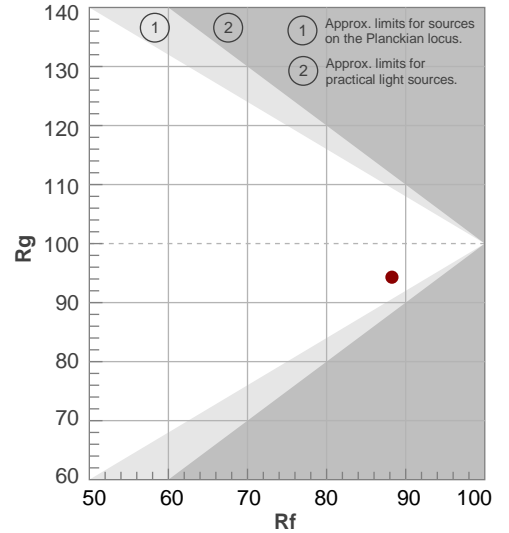
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
2967 K	86,1	19,5	88,3	94,3	86,0	0,446	0,417	0,250	0,352	0,0040

TM-30 details

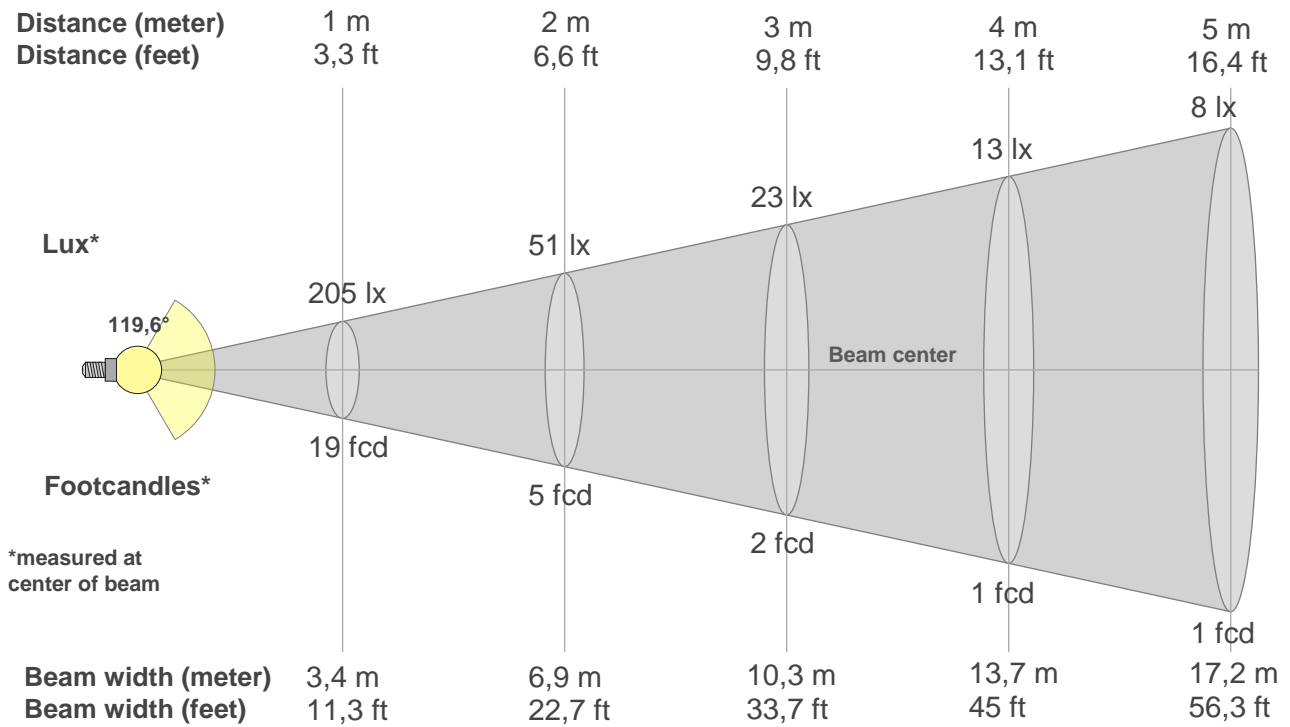
**Rf 88,3**  
Fidelity index Rf

**Rg 94,3**  
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	83	-10%	0%
2	86	-7%	4%
3	86	-4%	6%
4	93	-3%	2%
5	95	-2%	2%
6	96	-1%	0%
7	90	-6%	-2%
8	94	-3%	2%
9	90	-4%	4%
10	87	-2%	8%
11	87	1%	9%
12	89	5%	0%
13	89	2%	-8%
14	83	2%	-14%
15	87	-4%	-7%
16	79	-8%	-14%



## Beam details



### Beam intensities from 1-20m

{BEAM\_INT\_TABLE\_START}

m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx	lx
fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd	fcd

### 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°
205	205	203	199	194	188	180	170	160	148	134	120	105	89	73	57	41	28	18	10
100%	100%	99%	97%	95%	91%	88%	83%	78%	72%	66%	59%	51%	44%	36%	28%	20%	14%	9%	5%

### 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°
205	204	202	198	193	186	177	167	156	144	129	114	98	80	61	41	20	12	5	1
100%	100%	98%	97%	94%	90%	86%	82%	76%	70%	63%	56%	48%	39%	30%	20%	10%	6%	2%	1%

### 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°
205	205	203	199	194	188	180	170	160	148	134	120	105	89	73	57	41	28	18	10
100%	100%	99%	97%	95%	91%	88%	83%	78%	72%	66%	59%	51%	44%	36%	28%	20%	14%	9%	5%

### 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°
205	204	202	198	193	186	177	167	156	144	129	114	98	80	61	41	20	12	5	1
100%	100%	98%	97%	94%	90%	86%	82%	76%	70%	63%	56%	48%	39%	30%	20%	10%	6%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
119,6°	170,5°	190,1°	73,5%	49,0%

# 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	23,9	25,2	24,2	25,5	25,8	23,7	24,9	24,0	25,3	25,5
	3H	25,7	27,0	26,2	27,3	27,6	25,2	26,5	25,7	26,8	27,1
	4H	26,6	27,8	27,0	28,1	28,4	25,8	27,1	26,3	27,4	27,7
	6H	27,4	28,5	27,8	28,8	29,3	26,2	27,3	26,6	27,6	28,1
	8H	27,8	28,9	28,2	29,2	29,7	26,3	27,4	26,7	27,7	28,2
	12H	28,2	29,2	28,6	29,6	30,1	26,4	27,5	26,8	27,8	28,3
4H	2H	24,6	25,8	25,0	26,1	26,4	24,4	25,6	24,8	25,9	26,2
	3H	26,7	27,7	27,1	28,1	28,6	26,3	27,3	26,7	27,7	28,1
	4H	27,6	28,6	28,1	29,0	29,6	26,9	27,9	27,4	28,3	28,9
	6H	28,6	29,5	29,1	29,9	30,3	27,4	28,3	27,9	28,7	29,1
	8H	29,0	29,8	29,5	30,2	30,7	27,6	28,4	28,1	28,8	29,2
	12H	29,5	30,2	30,0	30,6	31,2	27,7	28,4	28,3	28,9	29,4
8H	4H	28,0	28,8	28,5	29,2	29,6	27,4	28,2	27,9	28,6	29,0
	6H	29,1	29,8	29,6	30,3	30,8	28,1	28,7	28,6	29,2	29,8
	8H	29,7	30,3	30,3	30,8	31,5	28,4	28,9	28,9	29,5	30,2
	12H	30,4	30,9	31,0	31,4	32,0	28,6	29,1	29,3	29,7	30,3
12H	4H	28,0	28,7	28,5	29,1	29,6	27,4	28,1	28,0	28,6	29,1
	6H	29,2	29,8	29,8	30,3	31,0	28,2	28,8	28,8	29,3	30,0
	8H	29,9	30,4	30,5	30,9	31,6	28,6	29,1	29,2	29,6	30,3
Variation of the observer position for the luminaire distance S											
S = 1.0H	0,1 / -0,1					0,1 / -0,1					
S = 1.5H	0,1 / -0,1					0,1 / -0,2					
S = 2.0H	0,2 / -0,3					0,3 / -0,5					
Standard table	n/a					n/a					
Correction summand	n/a					n/a					
Corrected glare indices referring to 660 lm total luminous flux											

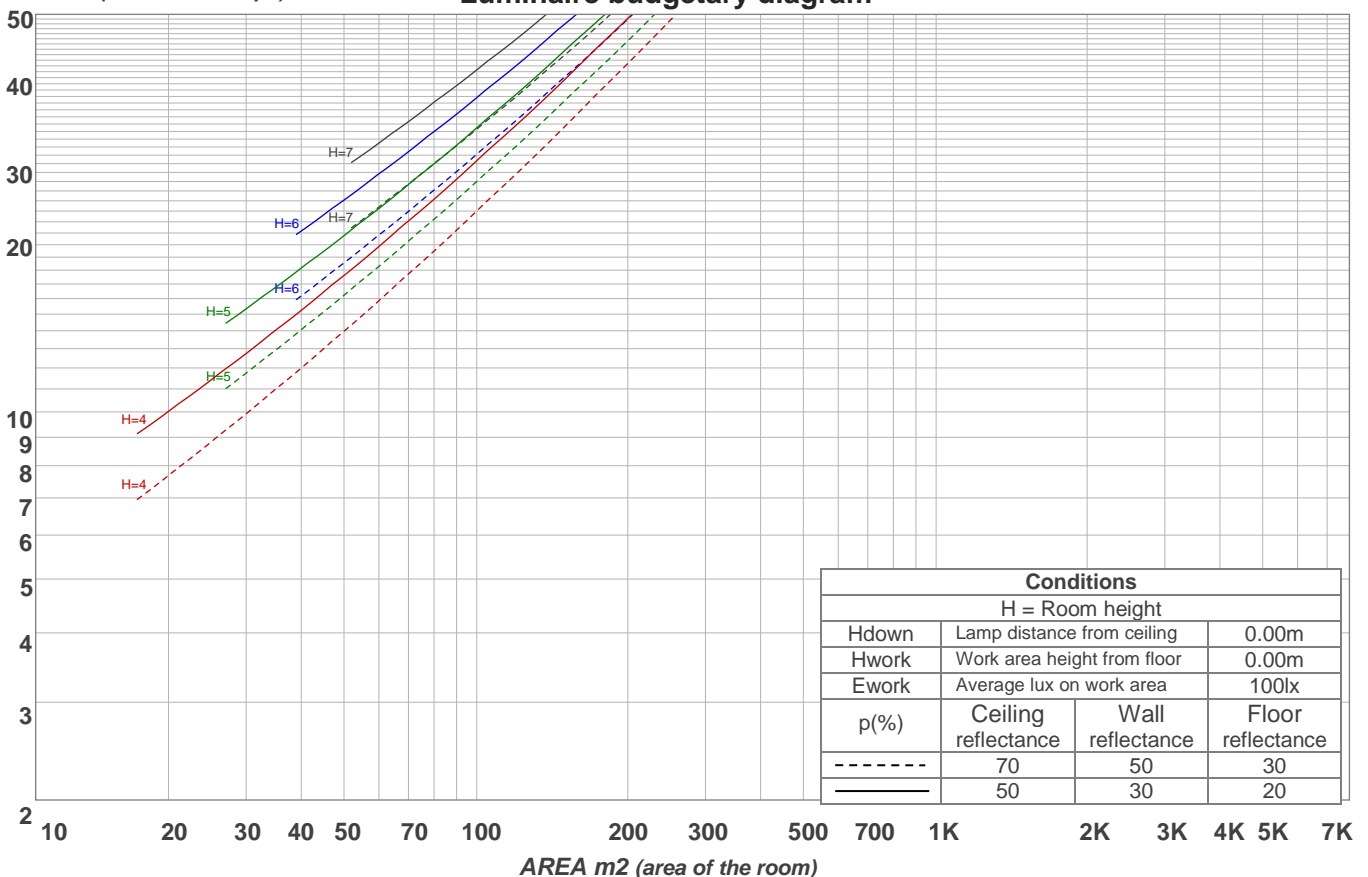
# Light planning

## 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																			
<b>0</b>	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
<b>1</b>	107	102	97	93	104	99	95	91	95	91	88	90	88	85	87	84	82	80		
<b>2</b>	97	88	81	75	94	86	79	74	82	77	72	79	74	70	75	71	68	66		
<b>3</b>	88	77	69	62	85	75	67	61	72	65	60	69	63	58	66	61	57	55		
<b>4</b>	81	68	59	52	78	67	58	51	64	56	50	61	55	50	59	53	49	46		
<b>5</b>	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40		
<b>6</b>	68	54	45	39	66	53	45	38	51	44	38	49	43	37	48	42	37	35		
<b>7</b>	63	49	40	34	61	48	40	34	47	39	33	45	38	33	43	37	33	30		
<b>8</b>	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27		
<b>9</b>	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24		
<b>10</b>	51	38	30	24	50	37	30	24	36	29	24	35	29	24	34	28	24	22		

LAMPS (number of lamps)

Luminaire budgetary diagram



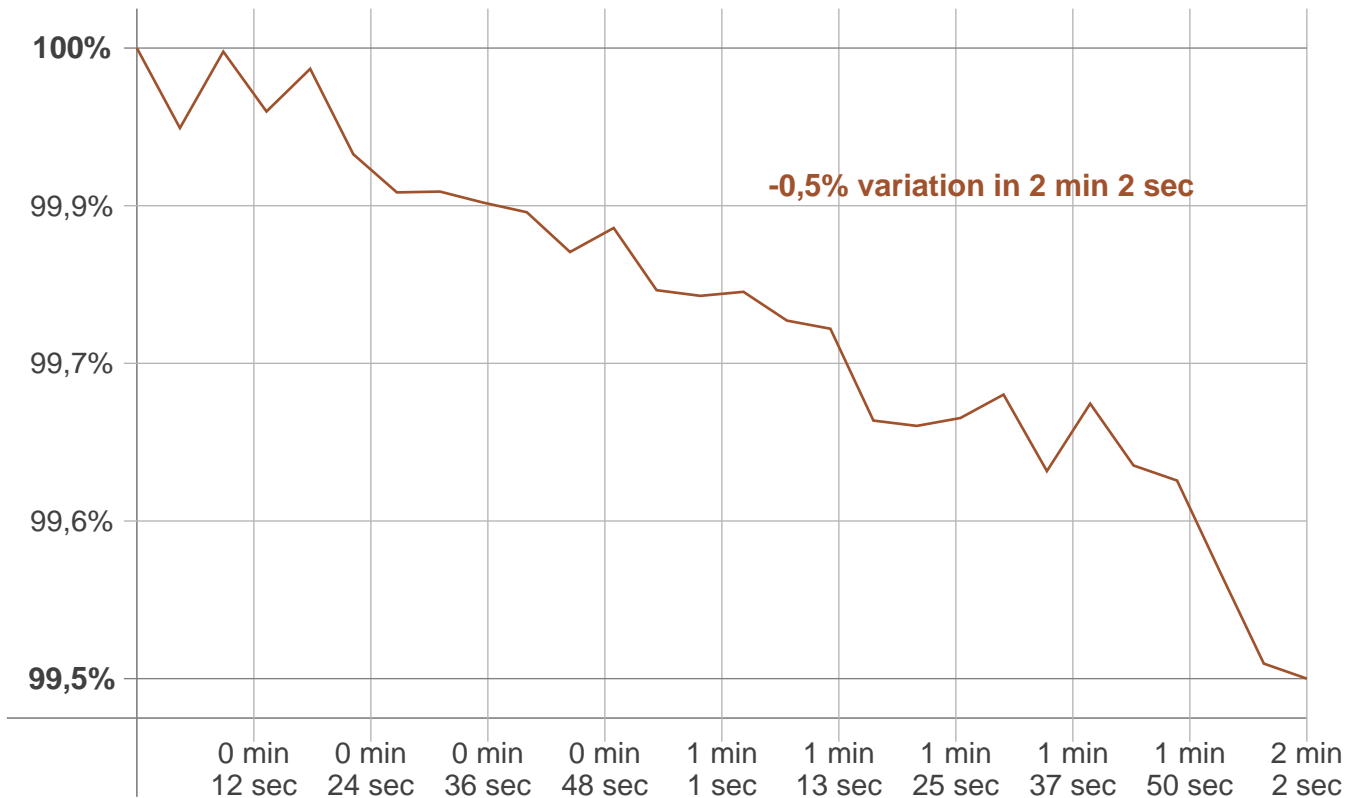
### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
19,4 lm	56,1 lm	86,1 lm	106 lm	112 lm	105 lm	84,2 lm	53,0 lm	24,0 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
6,82 lm	1,69 lm	1,19 lm	1,09 lm	0,996 lm	0,862 lm	0,710 lm	0,478 lm	0,173 lm



## Stabilization

### Warmup curve



### Warmup result

Warmup time:	2 min 2 sec
Warmup variation	-0,5%

### Warmup conditions

Stable period:	2 min
Stable change max:	500,0%
Minimum time:	2 min

### Color temperature change

CCT start	CCT change	CCT end
2970 K	-3 K	2967 K

### Output change

Output start	Output change	Output end
663 lm	-3 lm	660 lm