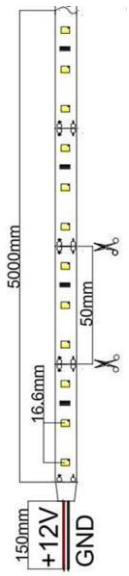
Dimensiones (mm)

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



Código

CL-50-50-4K-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

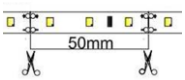
Fuente de luz

Cinta de LED: 1m.

Potencia Nominal	CRI	K	Lm Salida
10W	>80	4000	689

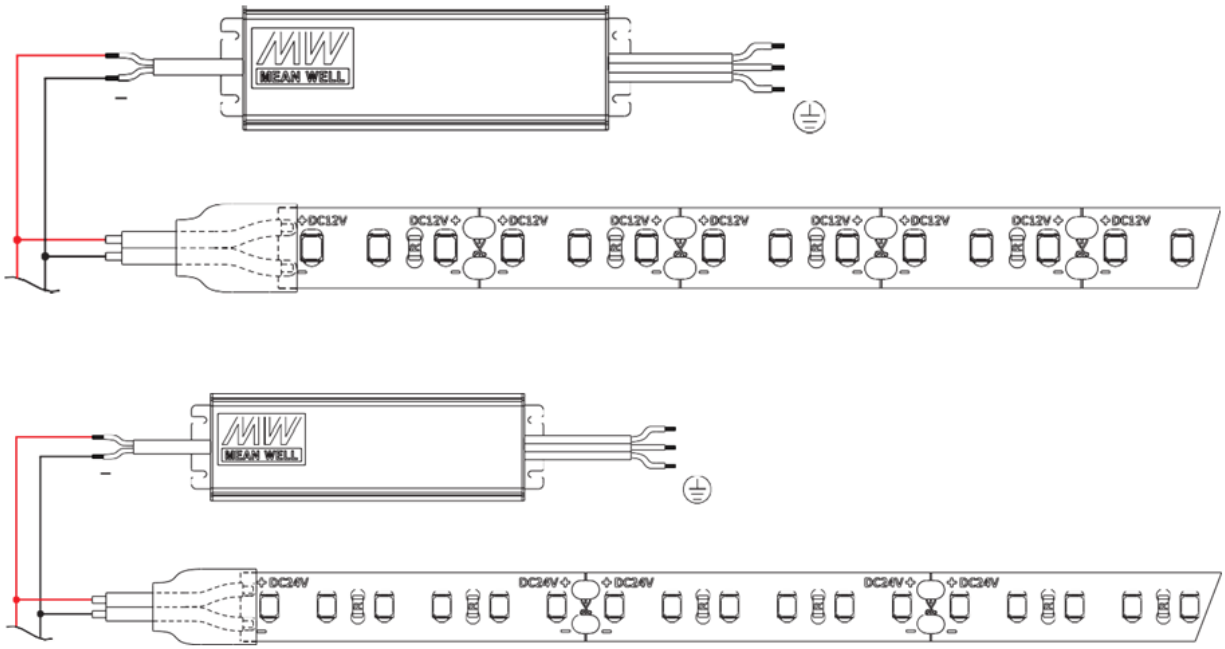
Características de fuente de luz

- Color temperatura disponible 4000K (neutro).
- Potencia de Salida: 7W.
- Transformador eléctrico de 75W. / 12V.
- Los tramos de corte se realizan en donde lo muestra la imagen:



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

Diagrama esquemático de conexión



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

Light efficiency:

98,4 Lumen/Watt

Light quality:

CRI: 87,5

Color temperature:

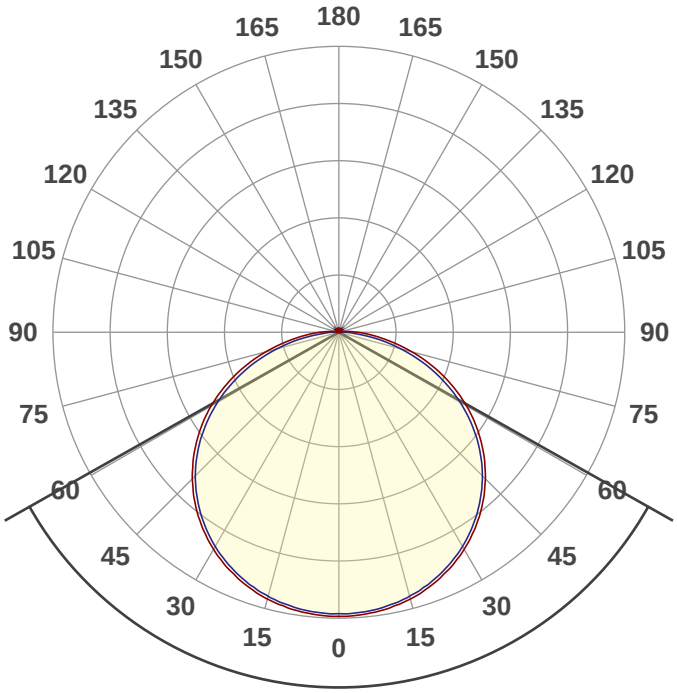
4292 K

Output: 689 lm

Peak: 212 cd

Power: 7 W

PF: 0,64



Product name:

E0769-CL-50-50-4K-GL

Beam angle **121,2°**

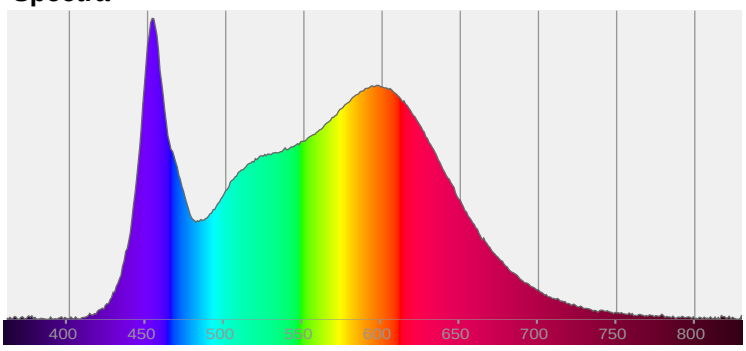
CIE 1931
x: 0,367
y: 0,361

THD Values:

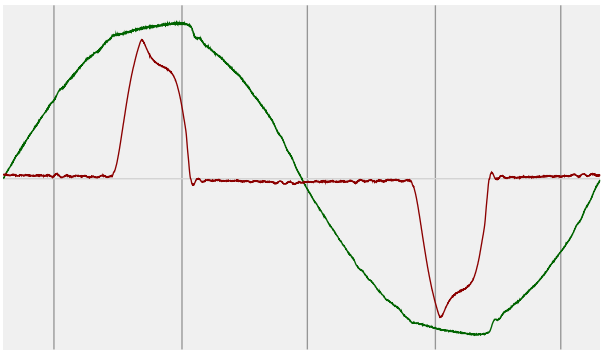
Voltage: 3,17%

Current: 116,05%

Spectra



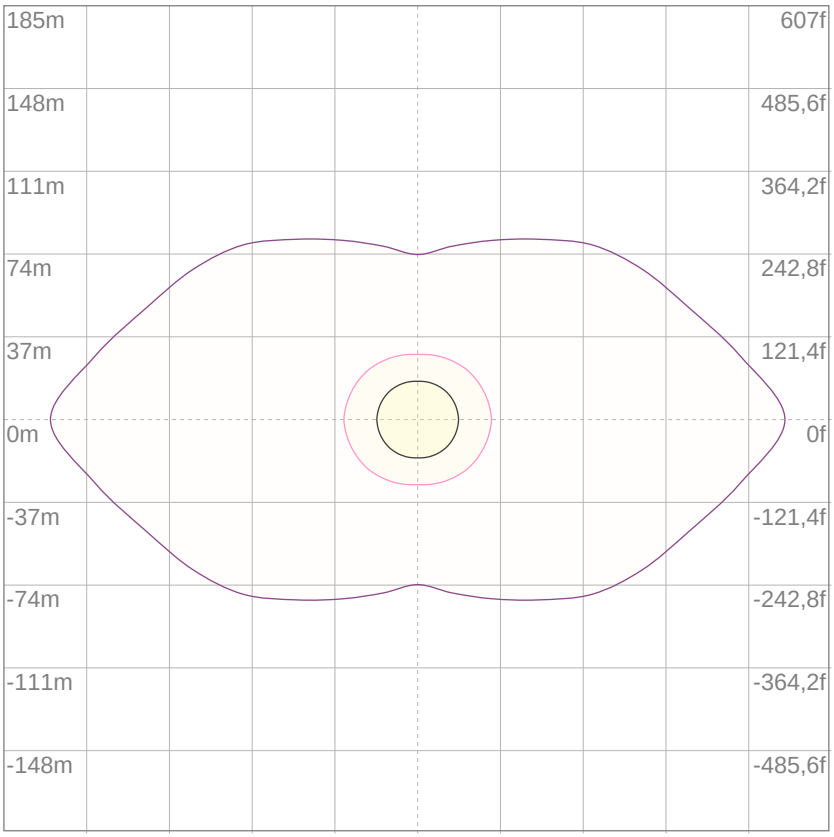
Power



Voltage: 116 V
Current: 0,465 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

	3%	63,5m lx
	5%	0,106 lx
	10%	0,212 lx
	30%	0,635 lx
	50%	1,06 lx

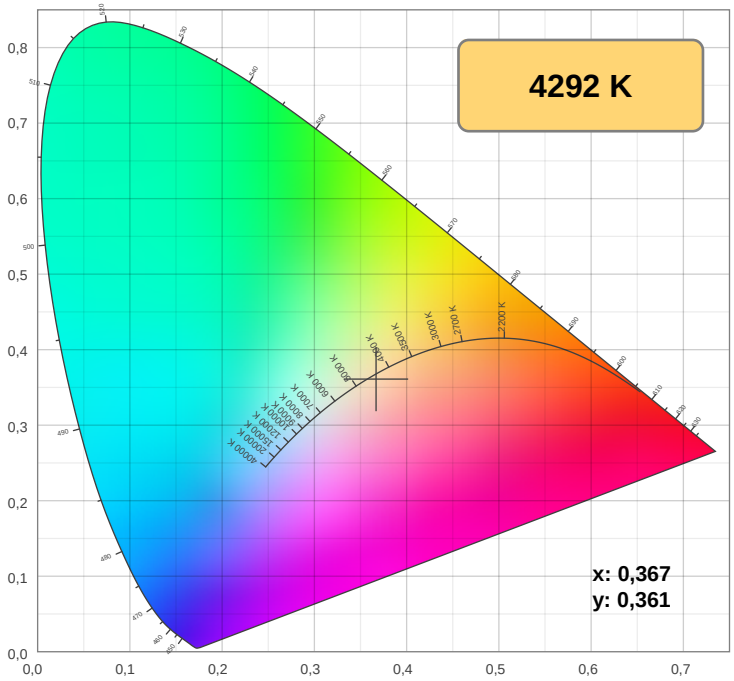
Conditions:

Number of c-planes: 8

Lux at center: 2,12 lx

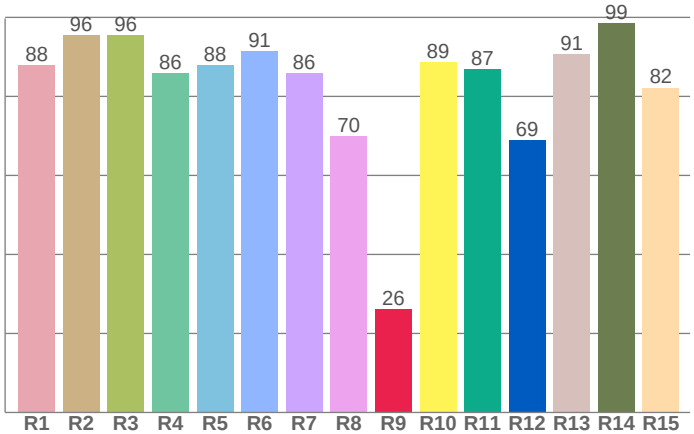
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Color details



CIE 1931

CRI: 87,5 (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
88,0	95,6	95,6	86,0	87,8	91,4	86,0	70,0	26,2	88,6	86,8	68,8	90,8	98,6	82,2

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4292 K	87,5	26,2	86,2	95,6	85,2	0,367	0,361	0,222	0,328	-0,0033

VISO SYSTEMS

Distecsa

TM-30 details

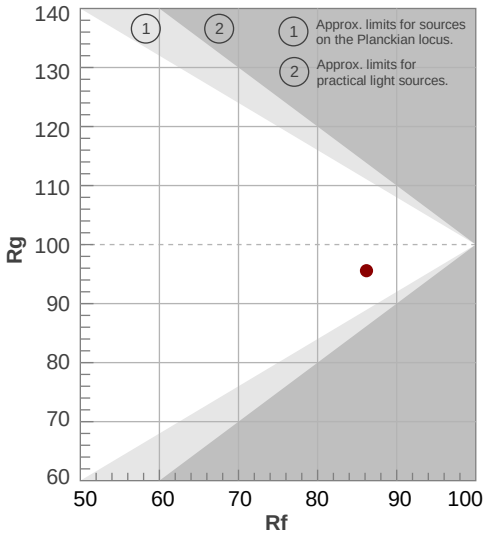
Rf 86,2

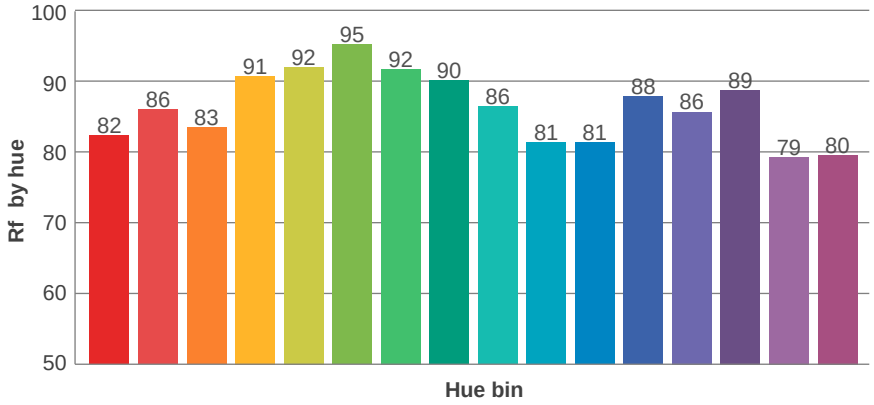
Fidelity index Rf

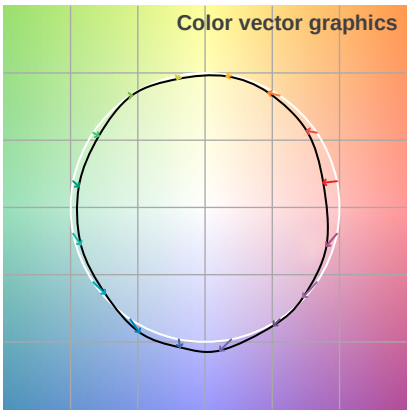
Rg 95,6

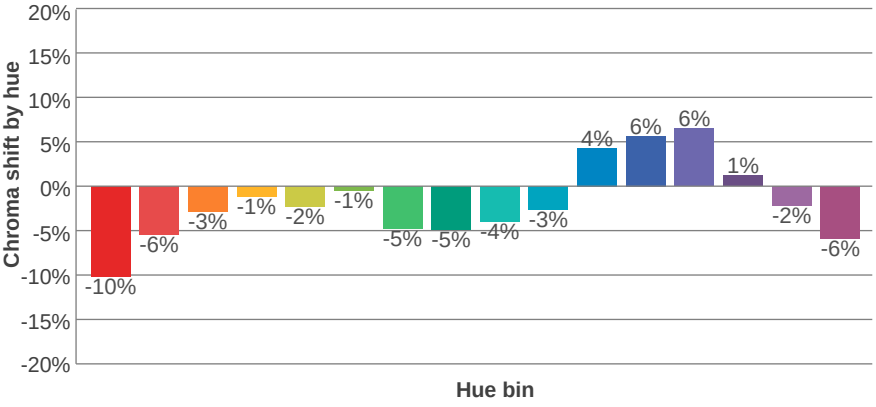
Gamut index Rg

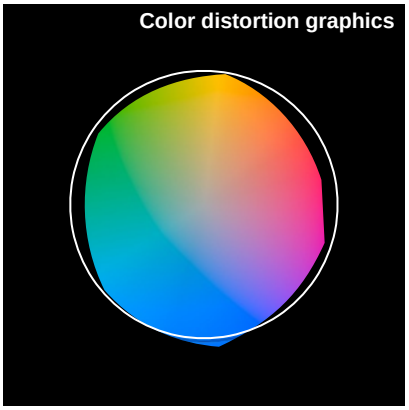
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	82	-10%	1%
2	86	-6%	5%
3	83	-3%	8%
4	91	-1%	3%
5	92	-2%	1%
6	95	-1%	-1%
7	92	-5%	0%
8	90	-5%	3%
9	86	-4%	9%
10	81	-3%	12%
11	81	4%	11%
12	88	6%	2%
13	86	6%	-10%
14	89	1%	-6%
15	79	-2%	-15%
16	80	-6%	-10%

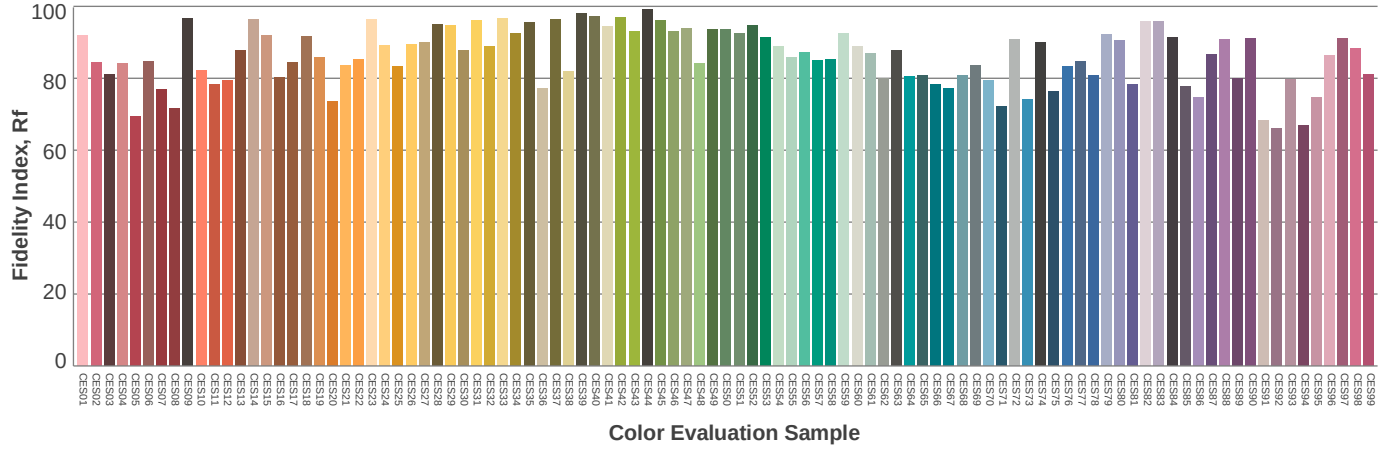




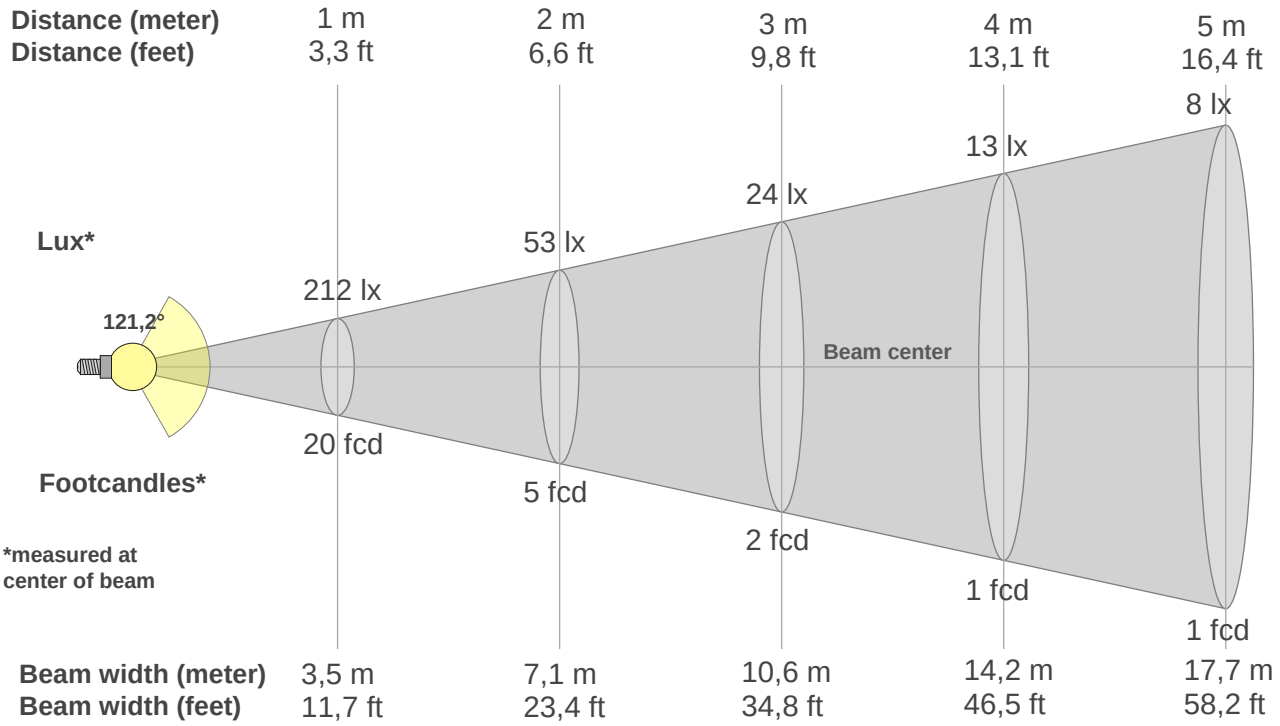








Beam details



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
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
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°
212	212	210	206	201	195	187	178	167	155	141	126	110	93	75	56	39	25	14	7
100%	100%	99%	98%	95%	92%	89%	84%	79%	73%	67%	60%	52%	44%	35%	27%	18%	12%	7%	3%

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°
212	210	208	204	199	193	185	175	164	152	137	122	105	86	68	48	30	13	5	1
100%	99%	98%	97%	94%	91%	87%	83%	78%	72%	65%	58%	49%	41%	32%	23%	14%	6%	3%	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°
212	212	210	206	201	195	187	178	167	155	141	126	110	93	75	56	39	25	14	7
100%	100%	99%	98%	95%	92%	89%	84%	79%	73%	67%	60%	52%	44%	35%	27%	18%	12%	7%	3%

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°
212	210	208	204	199	193	185	175	164	152	137	122	105	86	68	48	30	13	5	1
100%	99%	98%	97%	94%	91%	87%	83%	78%	72%	65%	58%	49%	41%	32%	23%	14%	6%	3%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
121,2°	**169,3°**	**187°**	**73,7%**	**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	24,1	25,4	24,4	25,7	26,0	24,0	25,2	24,2	25,6	25,8
	3H	25,9	27,2	26,3	27,5	27,7	25,6	26,8	26,0	27,2	27,4
	4H	26,7	27,9	27,1	28,2	28,5	26,2	27,5	26,7	27,8	28,1
	6H	27,4	28,5	27,8	28,8	29,3	26,8	27,9	27,2	28,2	28,7
	8H	27,7	28,8	28,1	29,1	29,6	27,0	28,1	27,4	28,4	28,8
	12H	28,0	29,0	28,4	29,4	29,9	27,1	28,1	27,5	28,5	29,0
4H	2H	24,8	26,0	25,2	26,3	26,6	24,7	25,9	25,1	26,2	26,5
	3H	26,8	27,9	27,2	28,2	28,7	26,6	27,6	27,0	28,0	28,5
	4H	27,7	28,7	28,2	29,1	29,7	27,3	28,3	27,8	28,7	29,3
	6H	28,5	29,4	29,1	29,8	30,2	28,0	28,9	28,5	29,3	29,7
	8H	28,9	29,7	29,4	30,1	30,6	28,2	29,0	28,7	29,4	29,9
	12H	29,3	30,0	29,8	30,4	31,0	28,4	29,1	28,9	29,5	30,0
8H	4H	28,0	28,9	28,6	29,3	29,7	27,7	28,5	28,2	28,9	29,4
	6H	29,1	29,7	29,6	30,2	30,8	28,6	29,2	29,1	29,7	30,3
	8H	29,6	30,2	30,1	30,7	31,4	28,9	29,5	29,5	30,0	30,7
	12H	30,1	30,6	30,7	31,1	31,8	29,2	29,6	29,8	30,2	30,8
12H	4H	28,1	28,8	28,6	29,2	29,7	27,8	28,5	28,3	28,9	29,4
	6H	29,2	29,7	29,7	30,3	31,0	28,7	29,3	29,2	29,8	30,5
	8H	29,7	30,2	30,3	30,7	31,4	29,1	29,6	29,7	30,1	30,7

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	0,3 / -0,3	0,3 / -0,4
Standard table	n/a	n/a
Correction summand	n/a	n/a

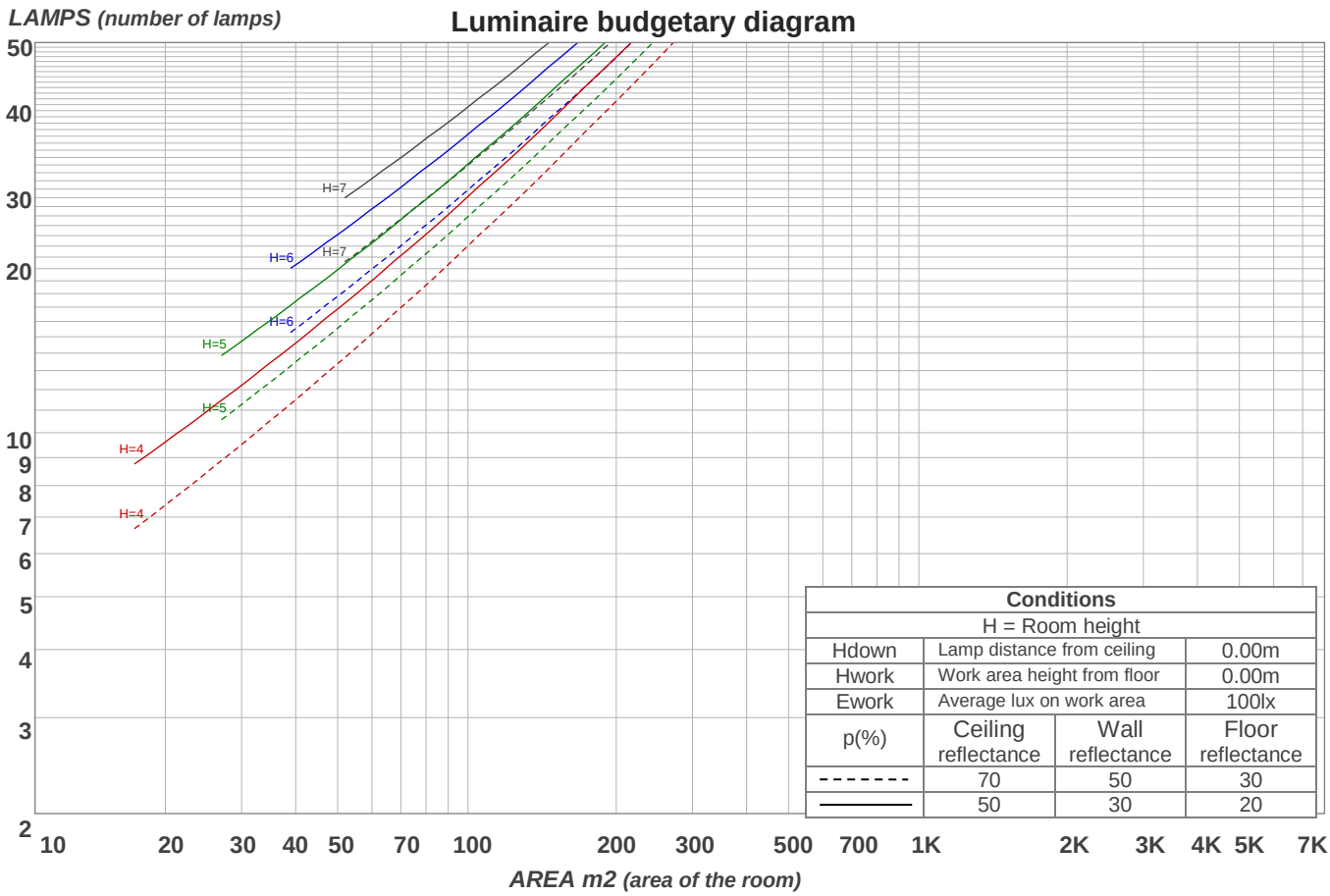
Corrected glare indices referring to 689 lm total luminous flux

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	110	110	110	105	105	105	100	100	100	98
1	107	102	98	93	104	100	95	92	95	92	88	91	88	85	87	85	82	80
2	97	88	81	75	94	86	80	74	82	77	72	79	74	70	75	72	68	66
3	88	77	69	62	86	75	67	61	72	65	60	69	63	58	66	61	57	55
4	81	68	59	52	78	67	58	51	64	56	50	61	55	50	59	53	49	46
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	39	66	53	45	38	51	44	38	49	43	37	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

Luminaire budgetary diagram



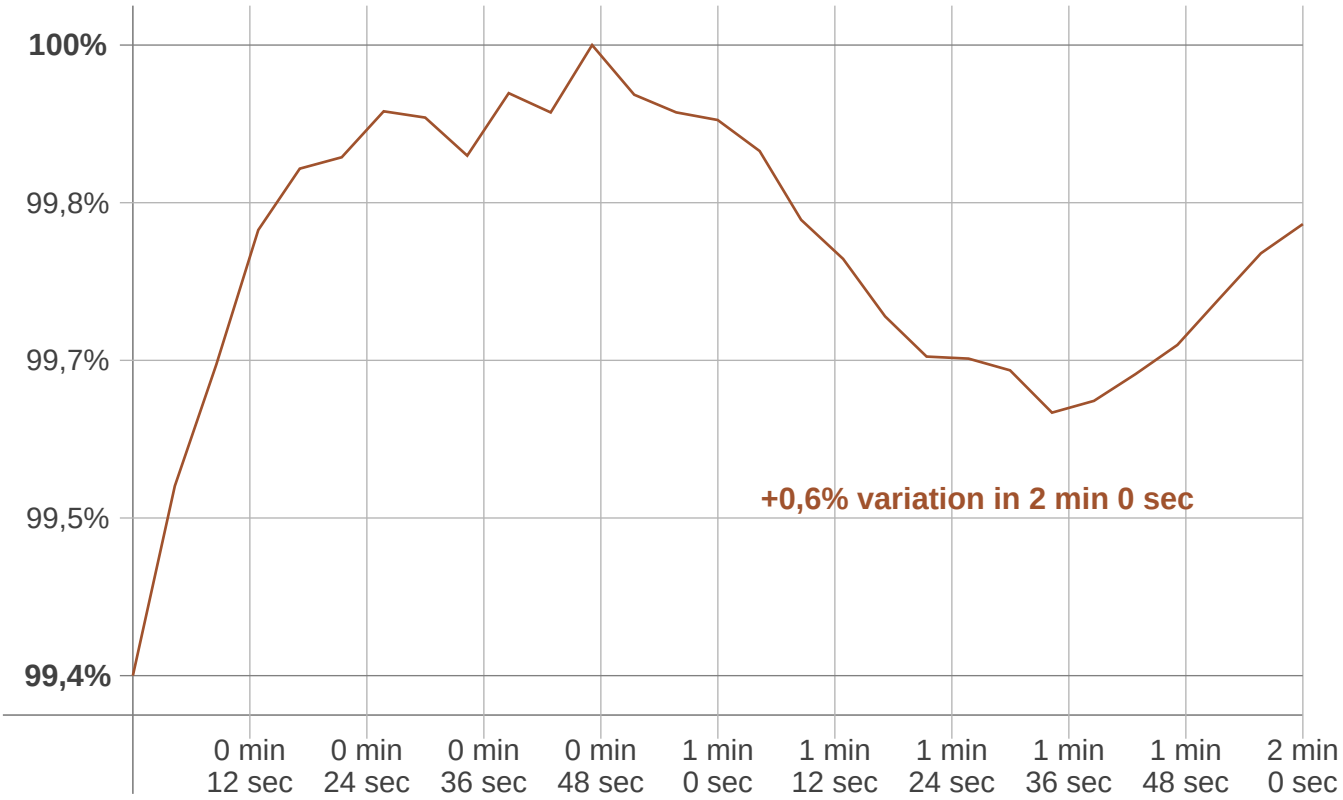
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
20,1 lm	58,0 lm	89,5 lm	111 lm	118 lm	111 lm	89,0 lm	55,9 lm	22,7 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
5,19 lm	1,58 lm	1,36 lm	1,30 lm	1,18 lm	1,04 lm	0,842 lm	0,572 lm	0,207 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**2 min 0 sec**
Warmup variation	**+0,6%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4278 K	+14 K	4292 K

Output change

Output start	Output change	Output end
688 lm	+1 lm	689 lm