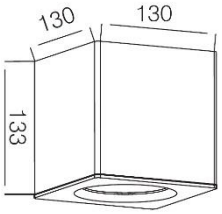
Luminaria para interior

Dimensiones (mm)

Largo: 130; **Ancho:** 130
Alto: 133.



Código

XD2106

Descripción

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

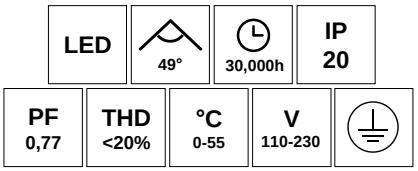
Materiales y acabado

Cuerpo en aluminio con acabado en pintura poliéster electroestática texturizada.

Color

Blanco.

Características técnicas



Fuente de luz

COB de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
26W	>80	3000	103	2810

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- Marca LED: EVERCORE. Marca Driver: AREEK.
- Potencia de Salida: 27,2W.

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

Light efficiency:

103 Lumen/Watt

Light quality:

CRI: 83,3

Color temperature:

3156 K

Output: 2810 lm

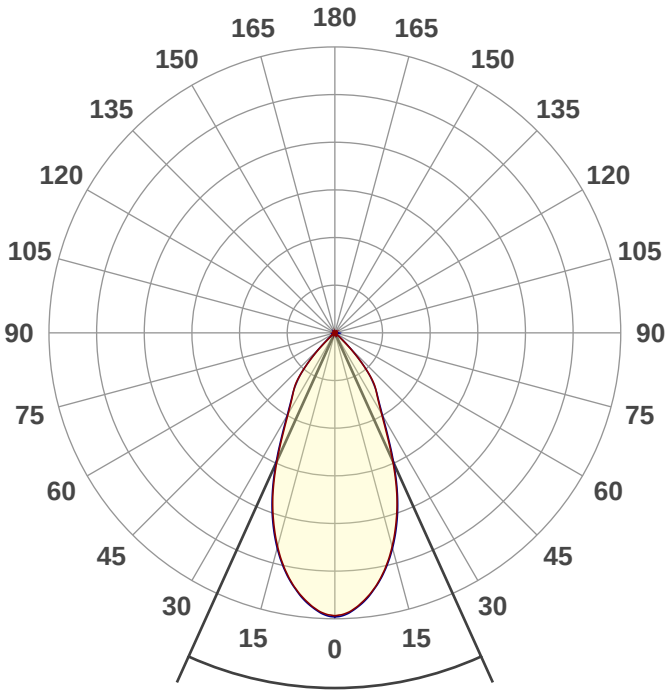
Peak: 3720 cd

Power: 27,2 W

PF: 0,77

Product name:

E0033-XD2106



Beam angle

48,6°

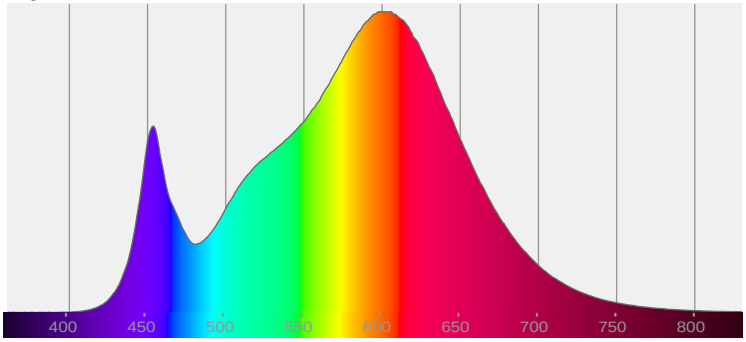
CIE 1931
x: 0,426
y: 0,398

THD Values:

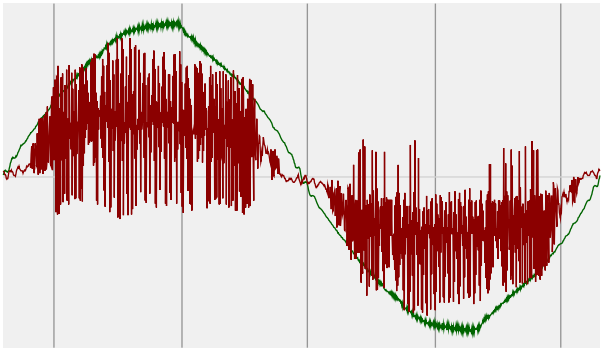
Voltage: 2,62%

Current: 14,3%

Spectra

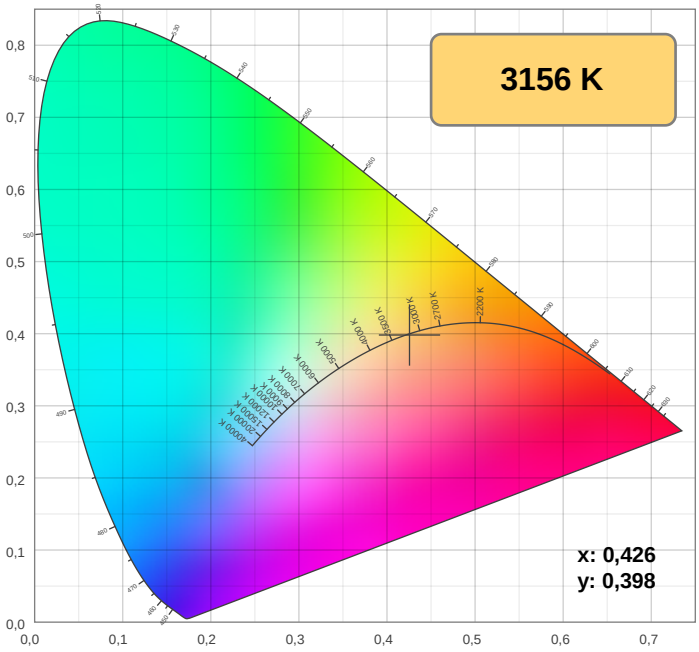


Power



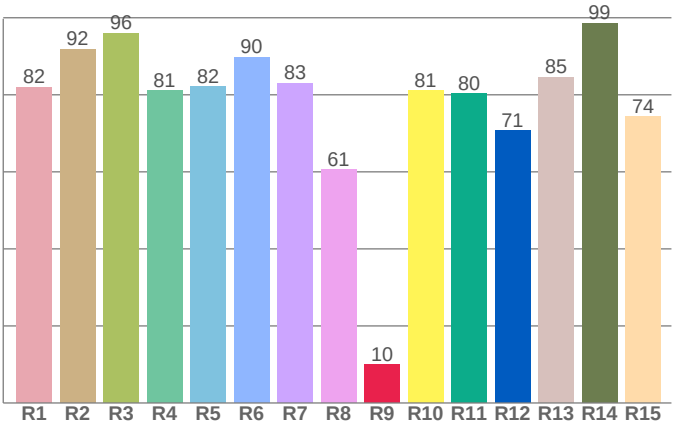
Voltage: 117 V
Current: 0,303 A
Frequency: 59,9 Hz

Color details



CIE 1931

CRI: 83,3 (R1-R8)

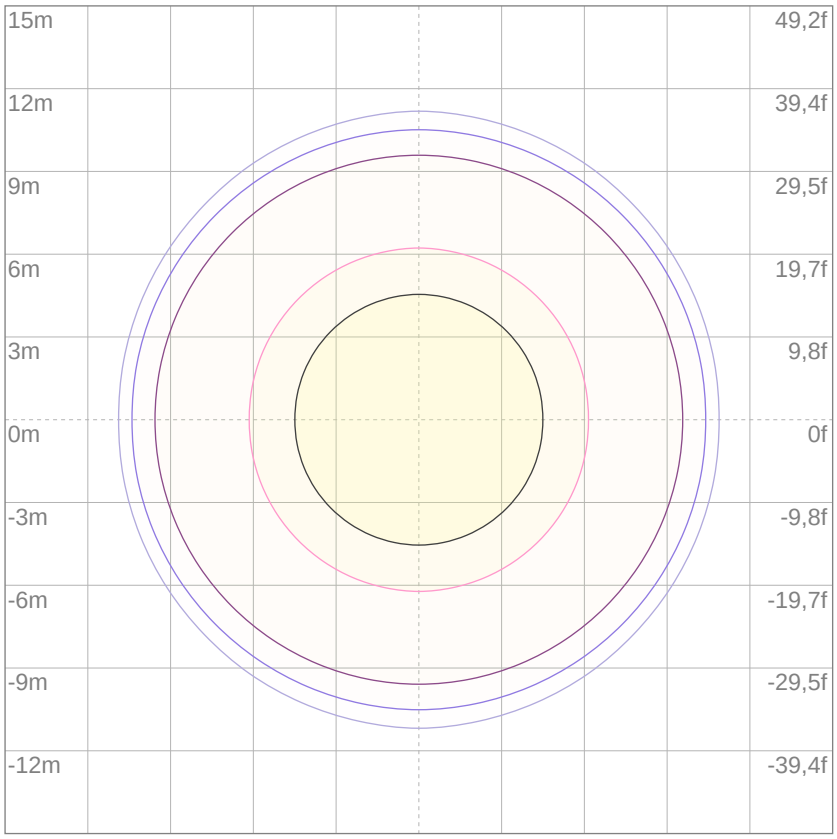


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
82,0	91,9	96,0	81,0	82,1	89,7	83,1	60,6	9,9	81,1	80,3	70,6	84,5	98,6	74,4

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3% 1,11 lx
5% 1,86 lx
10% 3,71 lx
30% 11,1 lx
50% 18,6 lx

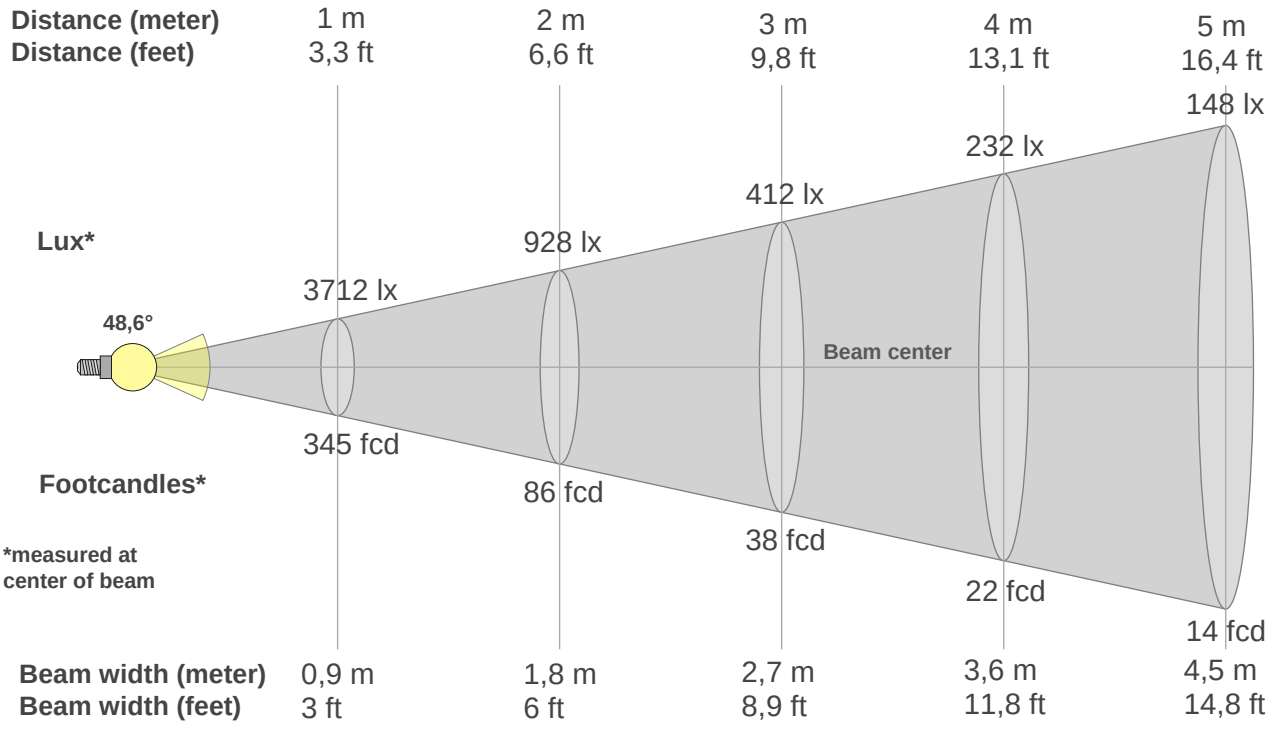
Conditions:

Number of c-planes: 4

Lux at center: 37,1 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
3712lx	928lx	412lx	232lx	148lx	103lx	76lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
344,8fc	86,2fcd	38,3fcd	21,6fcd	13,8fcd	9,6fcd	7fcd	5,4fcd	4,3fcd	3,4fcd	2,8fcd	2,4fcd	2fcd	1,8fcd	1,5fcd	1,3fcd	1,2fcd	1,1fcd	1fcd	0,9fcd

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°
3712	3680	3621	3534	3430	3304	3157	2989	2801	2597	2380	2139	1882	1628	1402	1224	1090	990	911	817
100%	99%	98%	95%	92%	89%	85%	81%	75%	70%	64%	58%	51%	44%	38%	33%	29%	27%	25%	22%

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°
3712	3695	3632	3548	3440	3315	3170	3007	2823	2622	2405	2167	1912	1659	1435	1248	1107	1000	903	794
100%	100%	98%	96%	93%	89%	85%	81%	76%	71%	65%	58%	52%	45%	39%	34%	30%	27%	24%	21%

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°
3712	3680	3621	3534	3430	3304	3157	2989	2801	2597	2380	2139	1882	1628	1402	1224	1090	990	911	817
100%	99%	98%	95%	92%	89%	85%	81%	75%	70%	64%	58%	51%	44%	38%	33%	29%	27%	25%	22%

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°
3712	3695	3632	3548	3440	3315	3170	3007	2823	2622	2405	2167	1912	1659	1435	1248	1107	1000	903	794
100%	100%	98%	96%	93%	89%	85%	81%	76%	71%	65%	58%	52%	45%	39%	34%	30%	27%	24%	21%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,6°	87,5°	96,6°	99,4%	96,5%

TM30 details

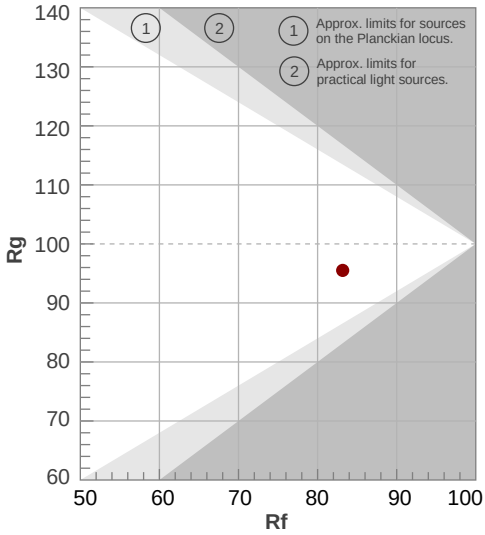
Rf 83,2

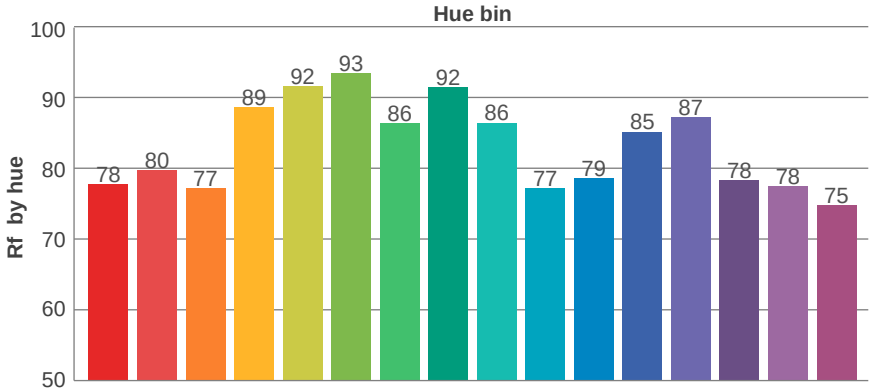
Fidelity index Rf

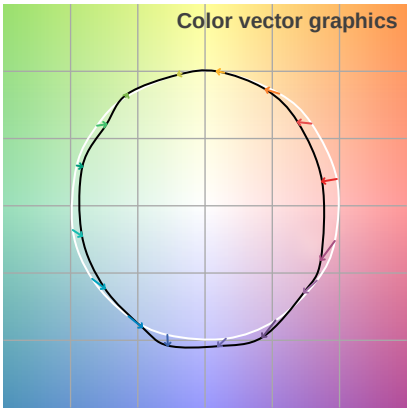
Rg 95,5

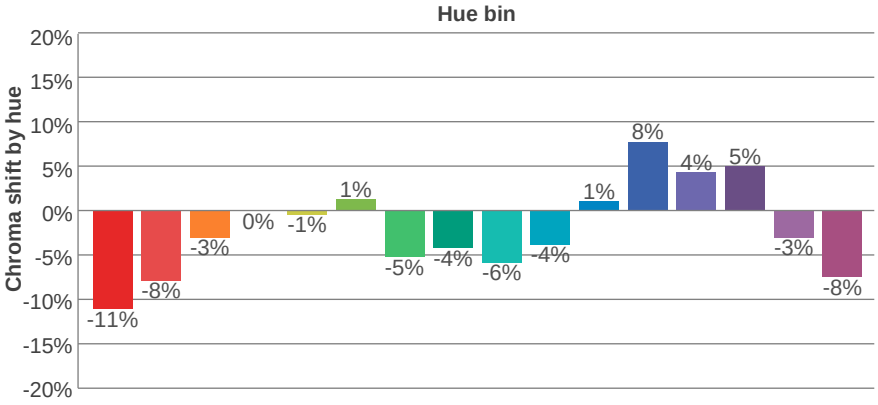
Gammut index Rg

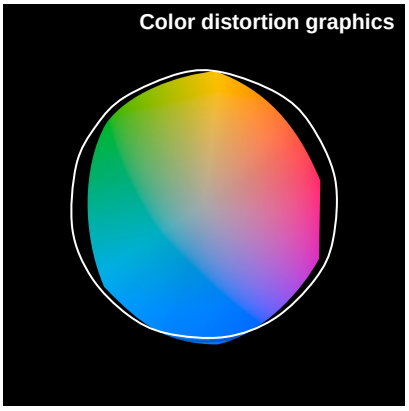
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	78	-11%	0%
2	80	-8%	7%
3	77	-3%	10%
4	89	0%	6%
5	92	-1%	3%
6	93	1%	-2%
7	86	-5%	-5%
8	92	-4%	0%
9	86	-6%	6%
10	77	-4%	11%
11	79	1%	13%
12	85	8%	2%
13	87	4%	-7%
14	78	5%	-15%
15	78	-3%	-13%
16	75	-8%	-16%

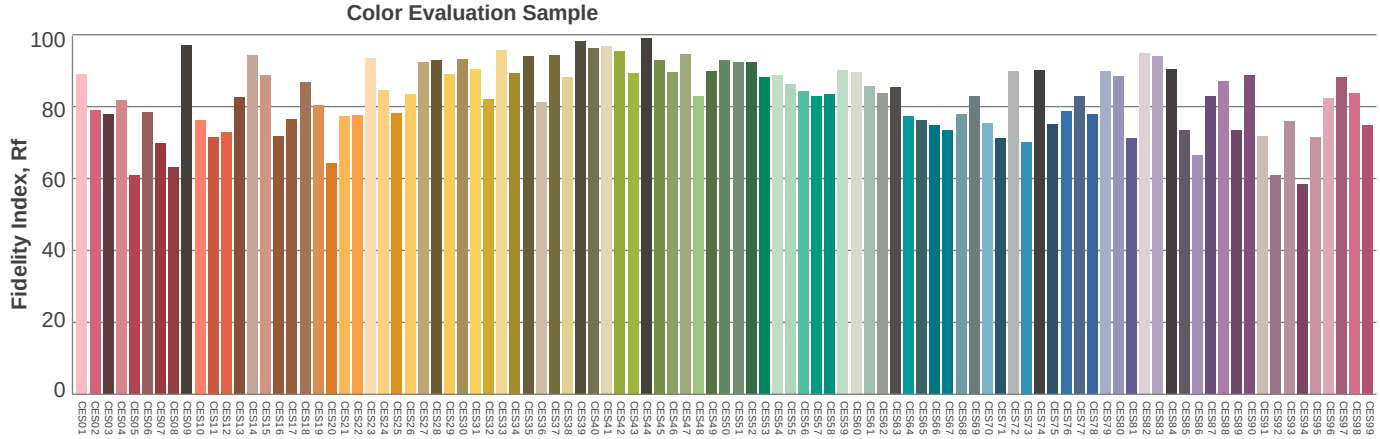












UGR

Glare Evaluation According to UGR

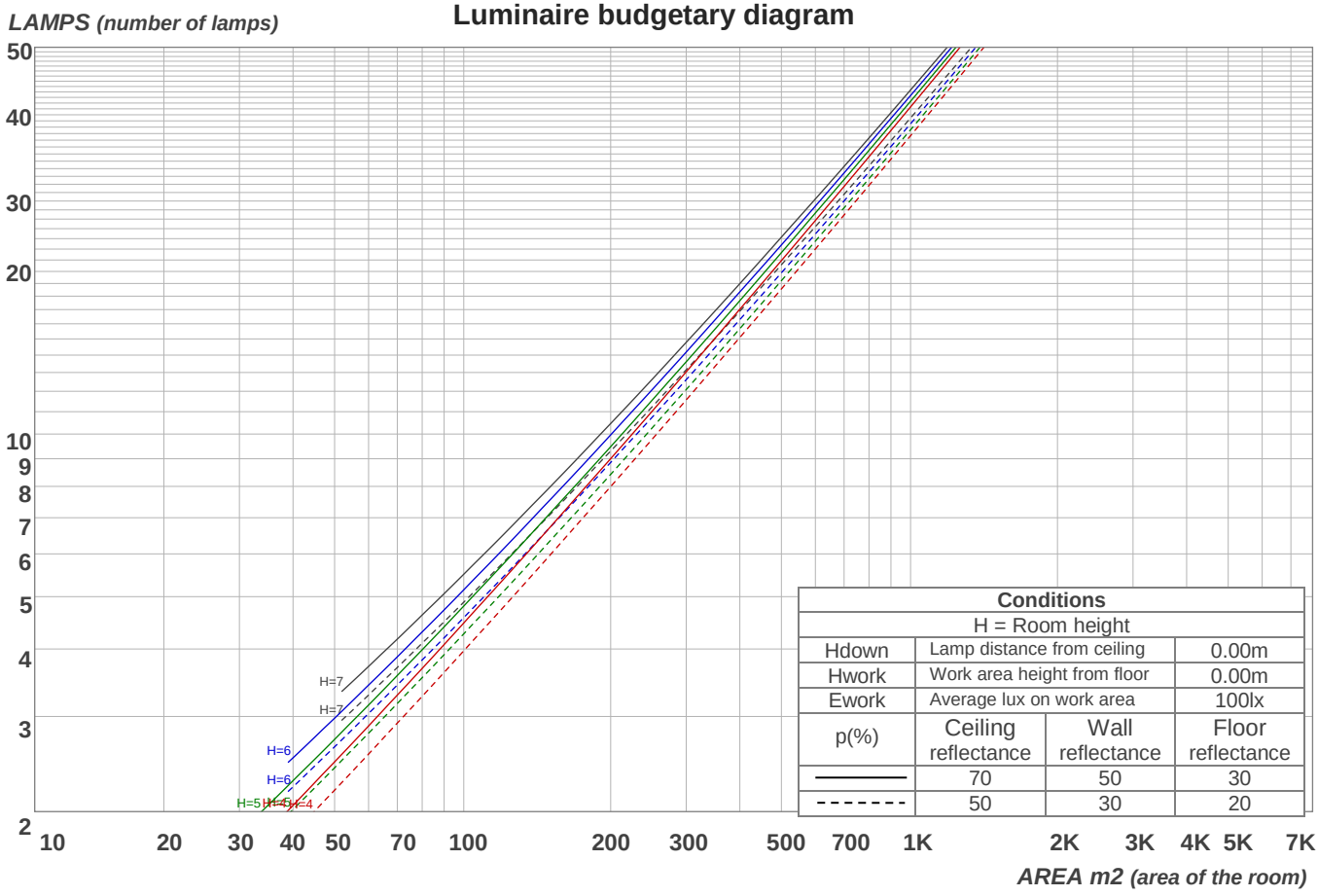
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	22,2	23,0	22,5	23,2	23,4	22,3	23,0	22,5	23,2	23,4
	3H	22,1	22,8	22,4	23,0	23,3	22,2	22,8	22,5	23,1	23,3
	4H	22,1	22,7	22,4	22,9	23,2	22,1	22,7	22,4	23,0	23,2
	6H	22,0	22,6	22,3	22,8	23,1	22,0	22,6	22,4	22,9	23,2
	8H	22,0	22,5	22,3	22,8	23,1	22,0	22,5	22,3	22,8	23,1
	12H	21,9	22,4	22,3	22,7	23,0	22,0	22,5	22,3	22,8	23,1
4H	2H	22,1	22,7	22,4	22,9	23,2	22,1	22,7	22,4	23,0	23,2
	3H	21,9	22,4	22,3	22,7	23,1	22,0	22,5	22,3	22,8	23,1
	4H	21,9	22,3	22,2	22,6	23,0	21,9	22,4	22,3	22,7	23,0
	6H	21,8	22,2	22,2	22,5	22,9	21,8	22,2	22,2	22,6	23,0
	8H	21,8	22,1	22,2	22,5	22,9	21,8	22,1	22,2	22,5	22,9
	12H	21,7	22,0	22,2	22,4	22,8	21,8	22,0	22,2	22,4	22,9
8H	4H	21,8	22,1	22,2	22,5	22,9	21,8	22,1	22,2	22,5	22,9
	6H	21,7	21,9	22,1	22,4	22,8	21,7	22,0	22,2	22,4	22,8
	8H	21,6	21,8	22,1	22,3	22,8	21,7	21,9	22,1	22,3	22,8
	12H	21,6	21,8	22,1	22,2	22,7	21,6	21,8	22,1	22,3	22,8
12H	4H	21,7	22,0	22,2	22,4	22,8	21,8	22,0	22,2	22,4	22,9
	6H	21,6	21,8	22,1	22,3	22,8	21,7	21,9	22,1	22,3	22,8
	8H	21,6	21,8	22,1	22,2	22,7	21,6	21,8	22,1	22,3	22,8
Variation of the observer position for the luminaire distance S											
S = 1,0H		+3,3 / -11,4					+3,3 / -11,3				
S = 1,5H		+5,8 / -12,2					+5,9 / -12,2				
S = 2,0H		+7,8 / -13,3					+7,9 / -13,2				
Standard table		BK00					BK00				
Correction summand		3,6					3,6				
Corrected glare indices referring to 2810 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	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

Luminaire budgetary diagram



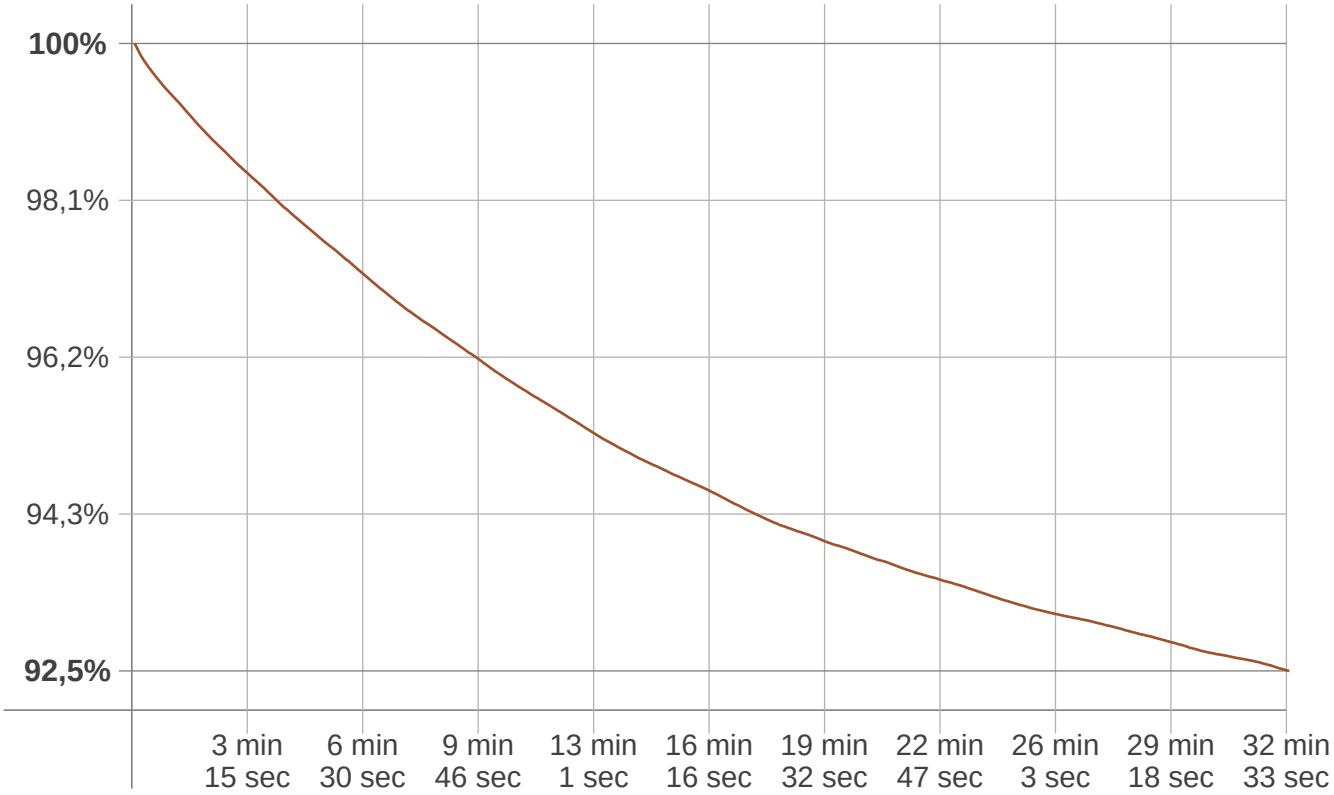
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
333 lm	805 lm	808 lm	591 lm	229 lm	25,8 lm	12,6 lm	4,70 lm	0,184 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,014 lm	0,014 lm	0,017 lm	0,030 lm	0,057 lm	0,129 lm	0,176 lm	0,121 lm	0,022 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**32 min 38 sec**
Warmup variation	**-7,6%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3141 K	**+15 K**	**3156 K**

Output change

Output start	Output change	Output end
3028 lm	**-218 lm**	**2810 lm**