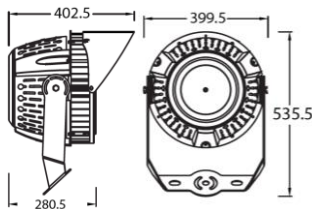




Dimensiones (mm)

Largo: 399,5; **Ancho:** 402,5
Alto: 535,5.



Código

VITERBO-II

Descripción

Luminaria tipo reflector, diseñada con módulo de LED. Para instalar por medio del sujetador ajustable hacia arriba y hacia abajo (0°-200°). Compuesta por una óptica con haz de apertura cerrado que minimiza el deslumbramiento.

Aplicación

Escenarios deportivos, coliseos.



Materiales y acabado

Cuerpo y disipador en aluminio, sujetador en hierro. Todas las piezas con acabado en pintura poliéster electrostática en polvo.

Color

Negro.

Características técnicas

LED	 49°	 60,000h	IP 66	IK 10
PF 1	THD <10%	°C -30-50	LM 80	V 100-277

Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
500W	>80	5700	104	55841

Características de fuente de luz

- Chip de LED marca Philips con certificación LM80.
- Controlador Inventronics de última generación.
- Driver con protección 10KV contra sobretensiones.
- Se recomienda ubicar la luminaria en un lugar ventilado y mantenerla alejada de materiales inflamables.
- Potencia de Salida: 529W.

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



Light efficiency:



Light quality:



Color temperature:



Output: 55841 lm

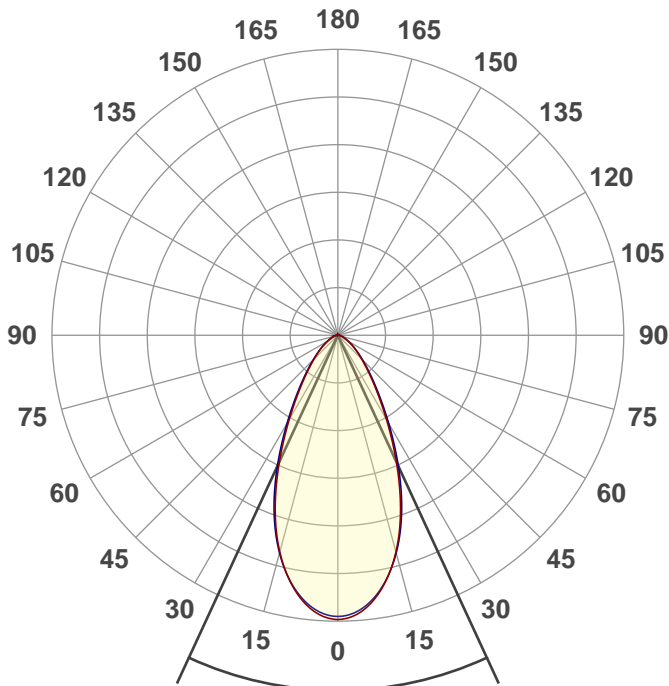
Peak: 62878 cd

Power: 528,9 W

PF: 1,0



Product name:
E0443-VITERBO II



Beam angle **49,6°**



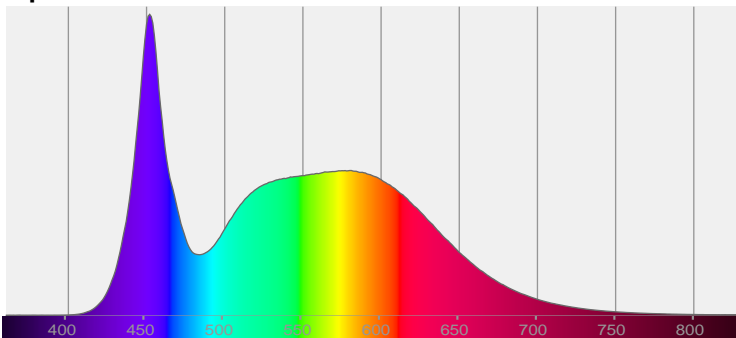
CIE 1931
x: 0,328
y: 0,337

THD Values:

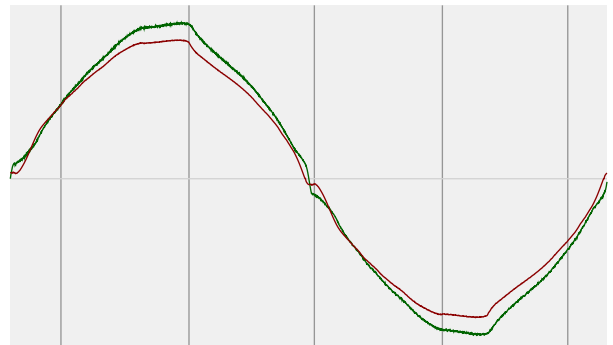
Voltage: 3,3%

Current: 3,66%

Spectra



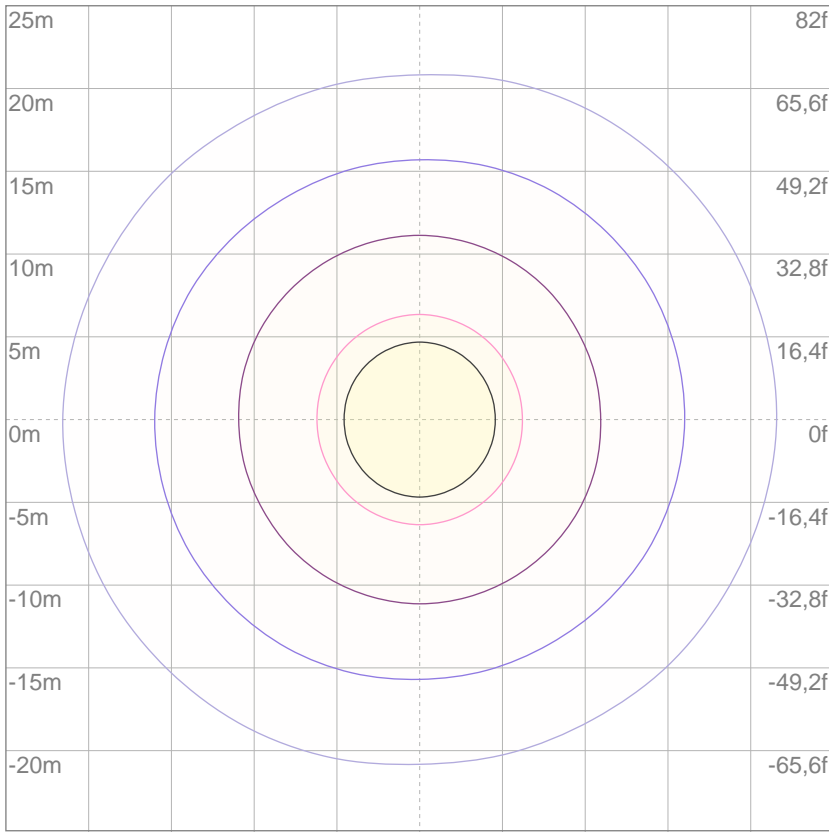
Power



Voltage: 111 V
Current: 4,76 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



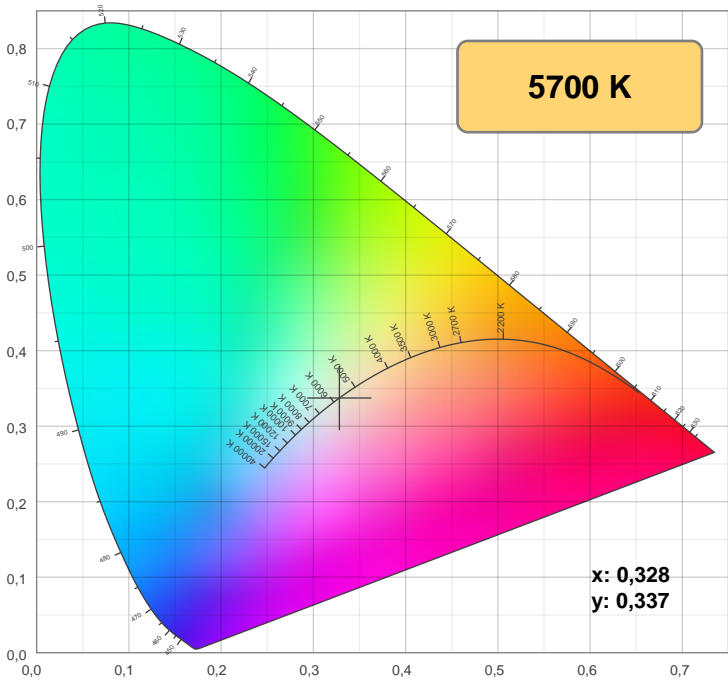
3%	18,8 lx
5%	31,3 lx
10%	62,6 lx
30%	188 lx
50%	313 lx

Conditions:
 Number of c-planes: 12
 Lux at center: 626 lx

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

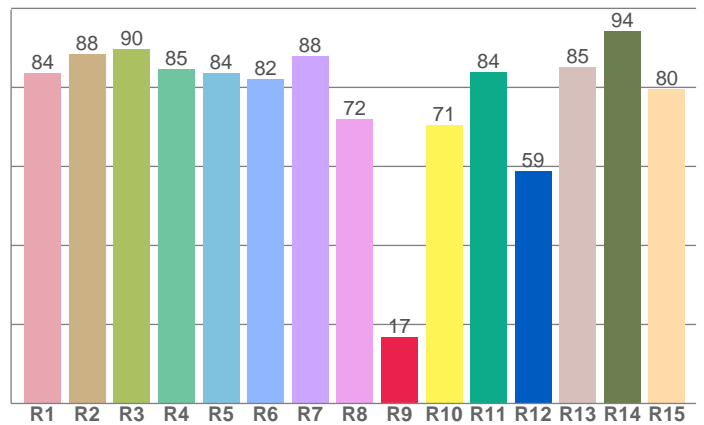
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 84,0 (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
83,6	88,4	89,7	84,7	83,5	82,1	87,9	72,0	16,8	70,6	83,8	58,8	85,1	94,3	79,6

Color parameters

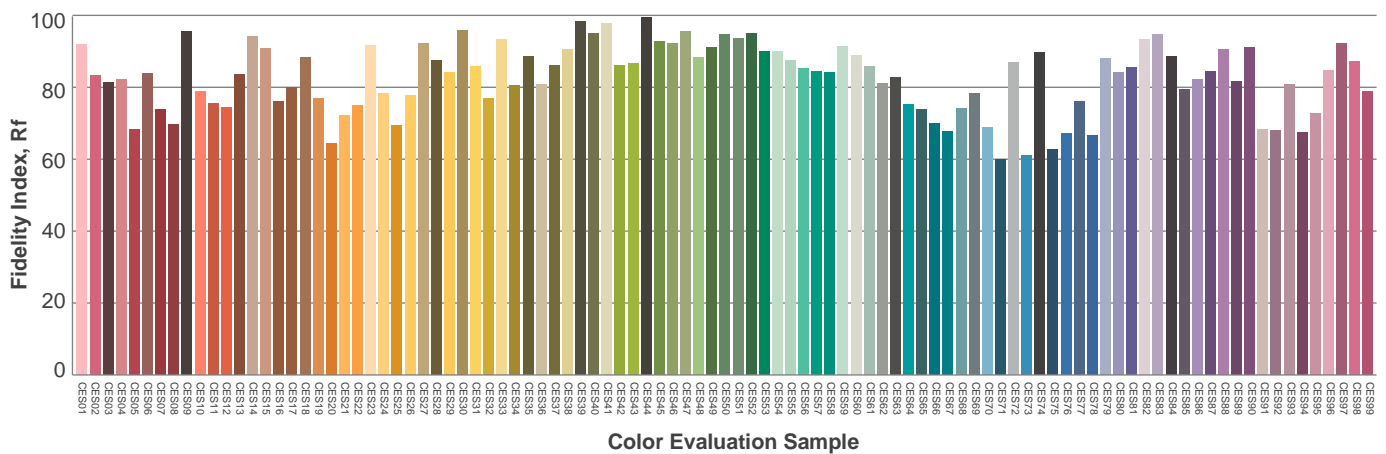
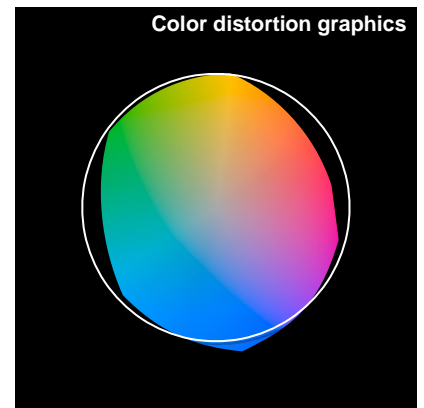
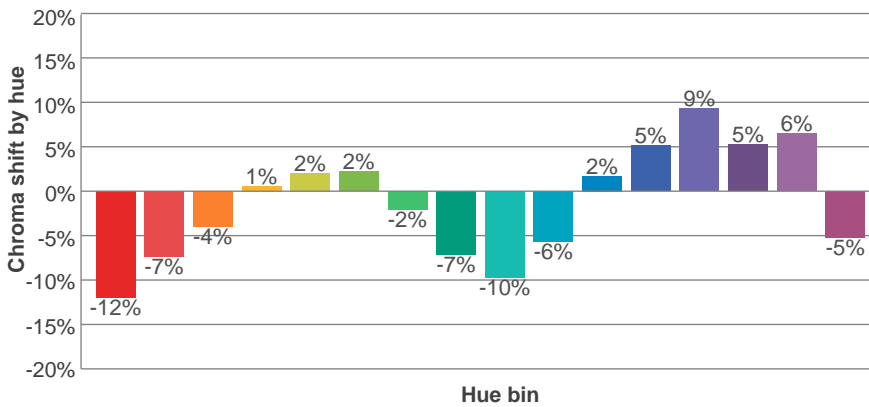
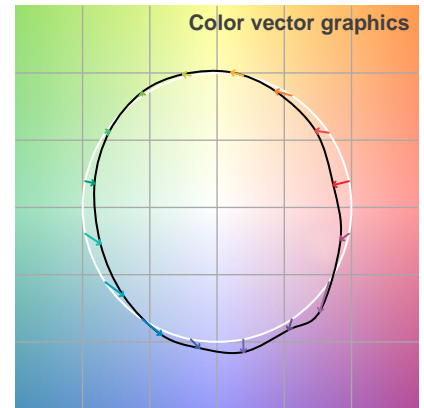
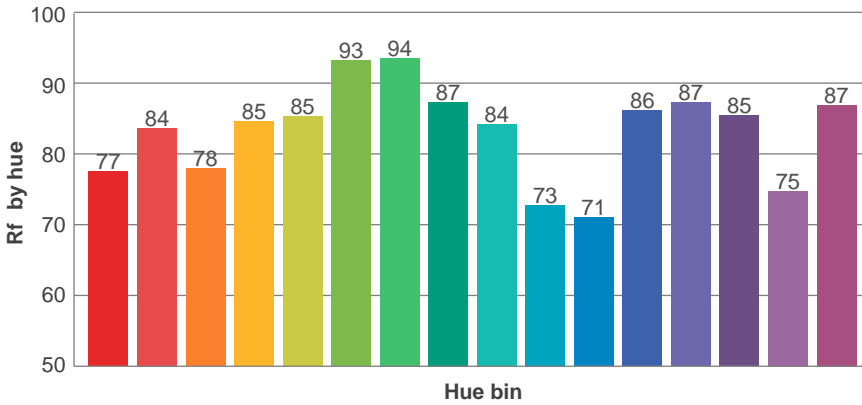
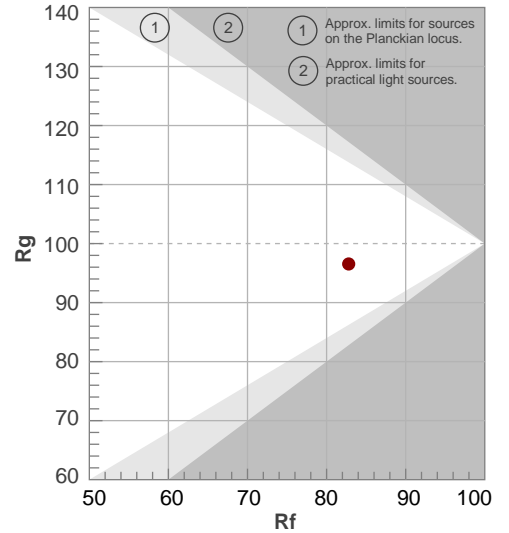
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5700 K	84,0	16,8	82,8	96,5	80,0	0,328	0,337	0,205	0,315	0,0018

TM-30 details

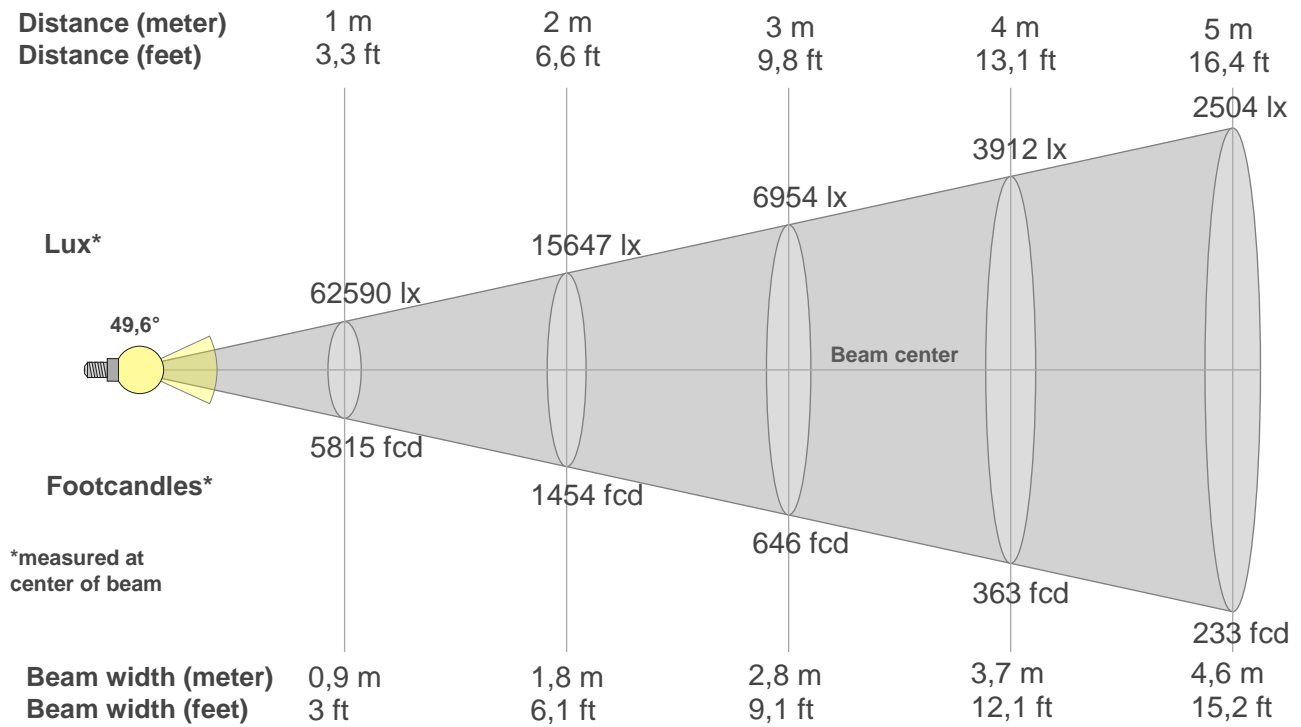
Rf 82,8
Fidelity index Rf

Rg 96,5
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	77	-12%	-1%
2	84	-7%	7%
3	78	-4%	12%
4	85	1%	9%
5	85	2%	5%
6	93	2%	-1%
7	94	-2%	-3%
8	87	-7%	0%
9	84	-10%	10%
10	73	-6%	16%
11	71	2%	18%
12	86	5%	7%
13	87	9%	-2%
14	85	5%	-6%
15	75	6%	-22%
16	87	-5%	-6%



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
62590lx	15647lx	6954lx	3912lx	2504lx	1739lx	1277lx	978lx	773lx	626lx	517lx	435lx	370lx	319lx	278lx	244lx	217lx	193lx	173lx	156lx
5814,8fcd	1453,7fcd	646,1fcd	363,4fcd	232,6fcd	161,5fcd	118,7fcd	90,9fcd	71,8fcd	58,1fcd	48,1fcd	40,4fcd	34,4fcd	29,7fcd	25,8fcd	22,7fcd	20,1fcd	17,9fcd	16,1fcd	14,5fcd

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°
62,6K	62,5K	61,7K	60,5K	58,7K	56,6K	54,0K	51,1K	47,9K	44,3K	40,5K	36,4K	32,4K	28,5K	24,8K	21,5K	18,5K	16,0K	13,8K	12,0K
100%	100%	99%	97%	94%	90%	86%	82%	77%	71%	65%	58%	52%	45%	40%	34%	30%	26%	22%	19%

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°
62,6K	61,9K	61,2K	60,0K	58,4K	56,4K	54,0K	51,3K	48,2K	44,8K	41,2K	37,3K	33,4K	29,5K	25,8K	22,4K	19,4K	16,8K	14,5K	12,6K
100%	99%	98%	96%	93%	90%	86%	82%	77%	72%	66%	60%	53%	47%	41%	36%	31%	27%	23%	20%

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°
62,6K	62,5K	61,7K	60,5K	58,7K	56,6K	54,0K	51,1K	47,9K	44,3K	40,5K	36,4K	32,4K	28,5K	24,8K	21,5K	18,5K	16,0K	13,8K	12,0K
100%	100%	99%	97%	94%	90%	86%	82%	77%	71%	65%	58%	52%	45%	40%	34%	30%	26%	22%	19%

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°
62,6K	61,9K	61,2K	60,0K	58,4K	56,4K	54,0K	51,3K	48,2K	44,8K	41,2K	37,3K	33,4K	29,5K	25,8K	22,4K	19,4K	16,8K	14,5K	12,6K
100%	99%	98%	96%	93%	90%	86%	82%	77%	72%	66%	60%	53%	47%	41%	36%	31%	27%	23%	20%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,6°	95,7°	134,9°	94,2%	83,3%

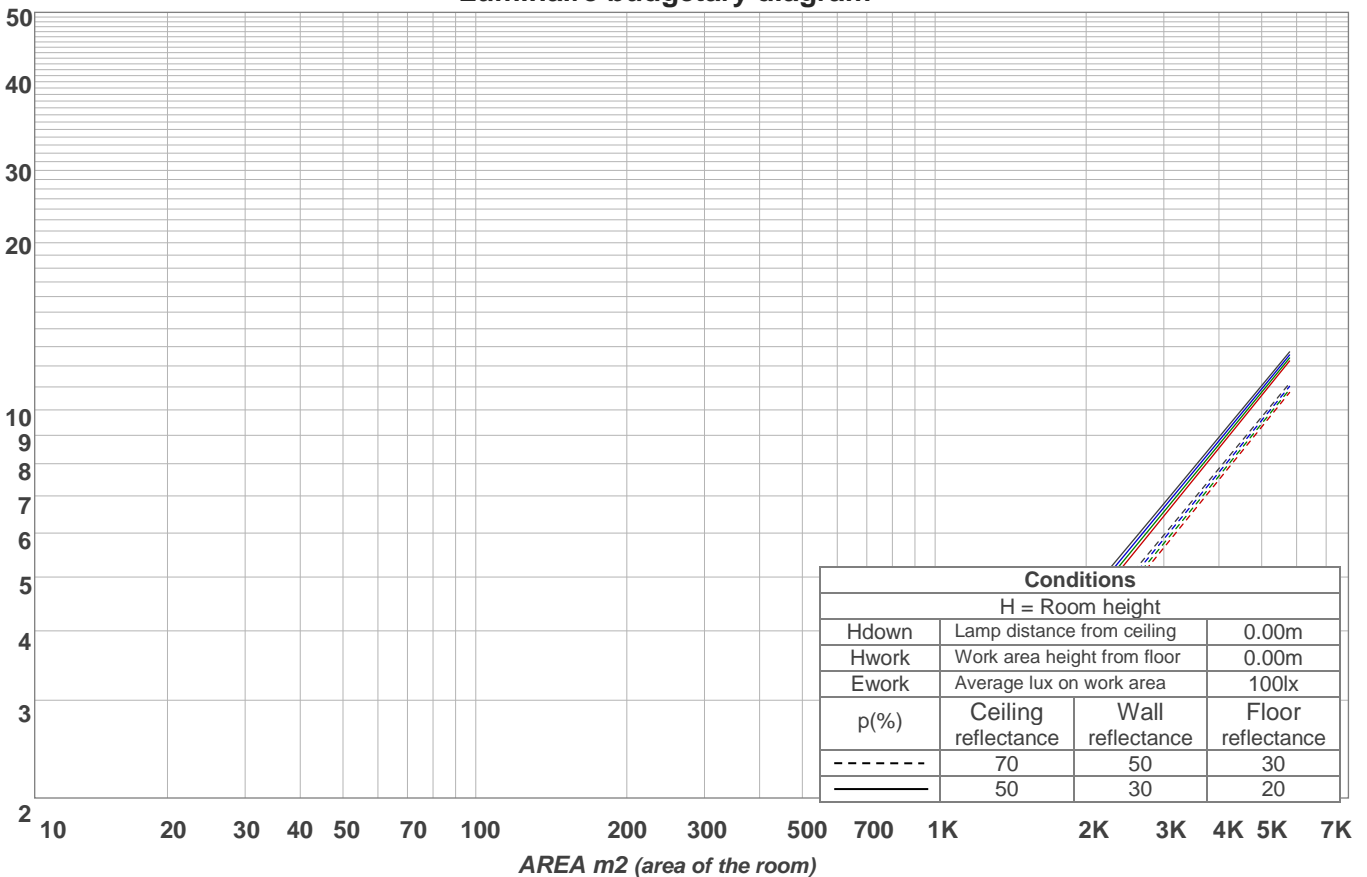
Light planning

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	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	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69	
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63	
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59	
7	79	69	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54	
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51	
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48	
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	

LAMPS (number of lamps)

Luminaire budgetary diagram



Zonal Lumen Summary

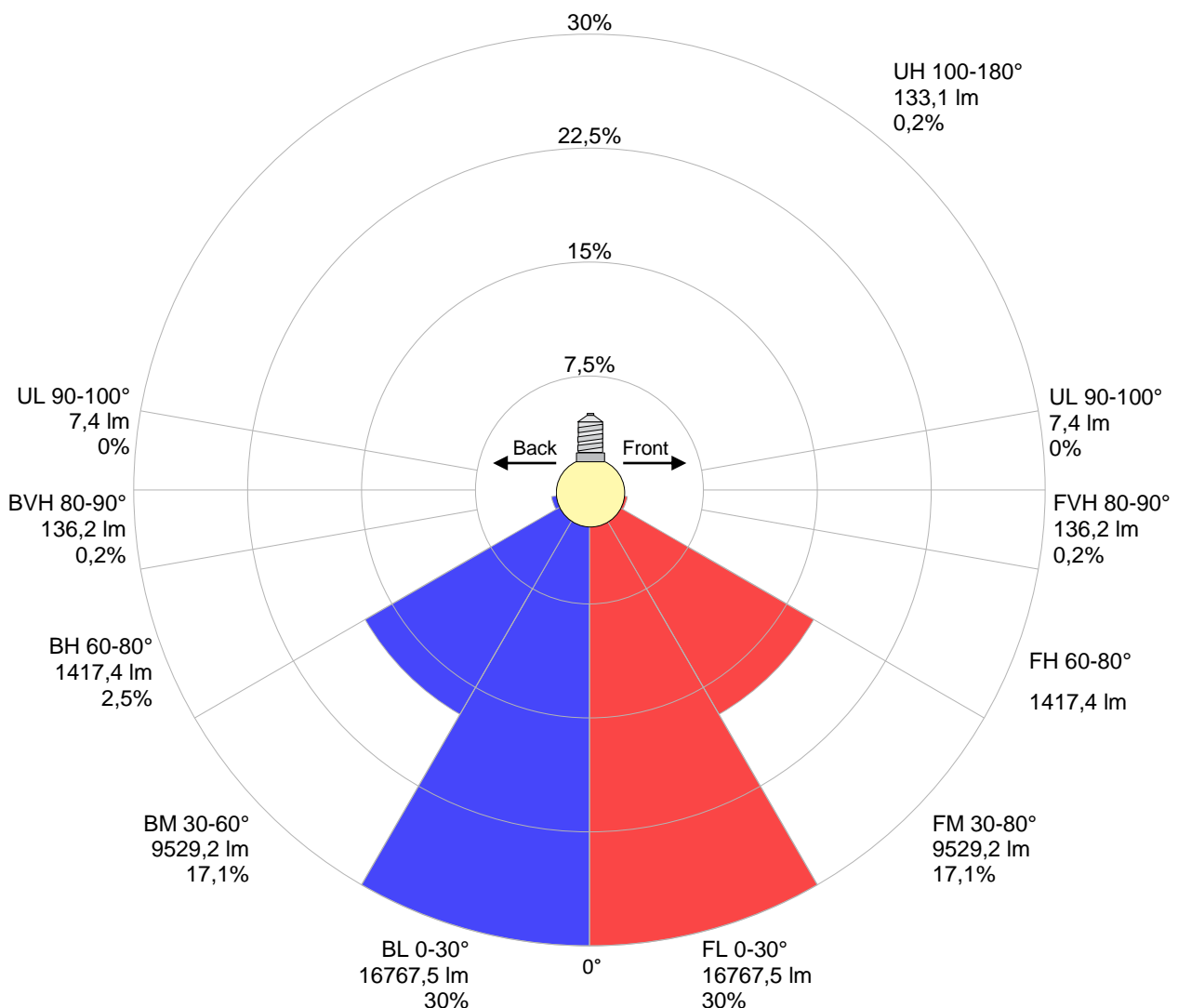
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
5685 lm	13764 lm	14102 lm	9636 lm	5930 lm	3480 lm	1875 lm	958 lm	271 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
7,23 lm	10,2 lm	14,5 lm	19,8 lm	24,3 lm	25,4 lm	21,2 lm	13,3 lm	4,46 lm

Road report

LCS table

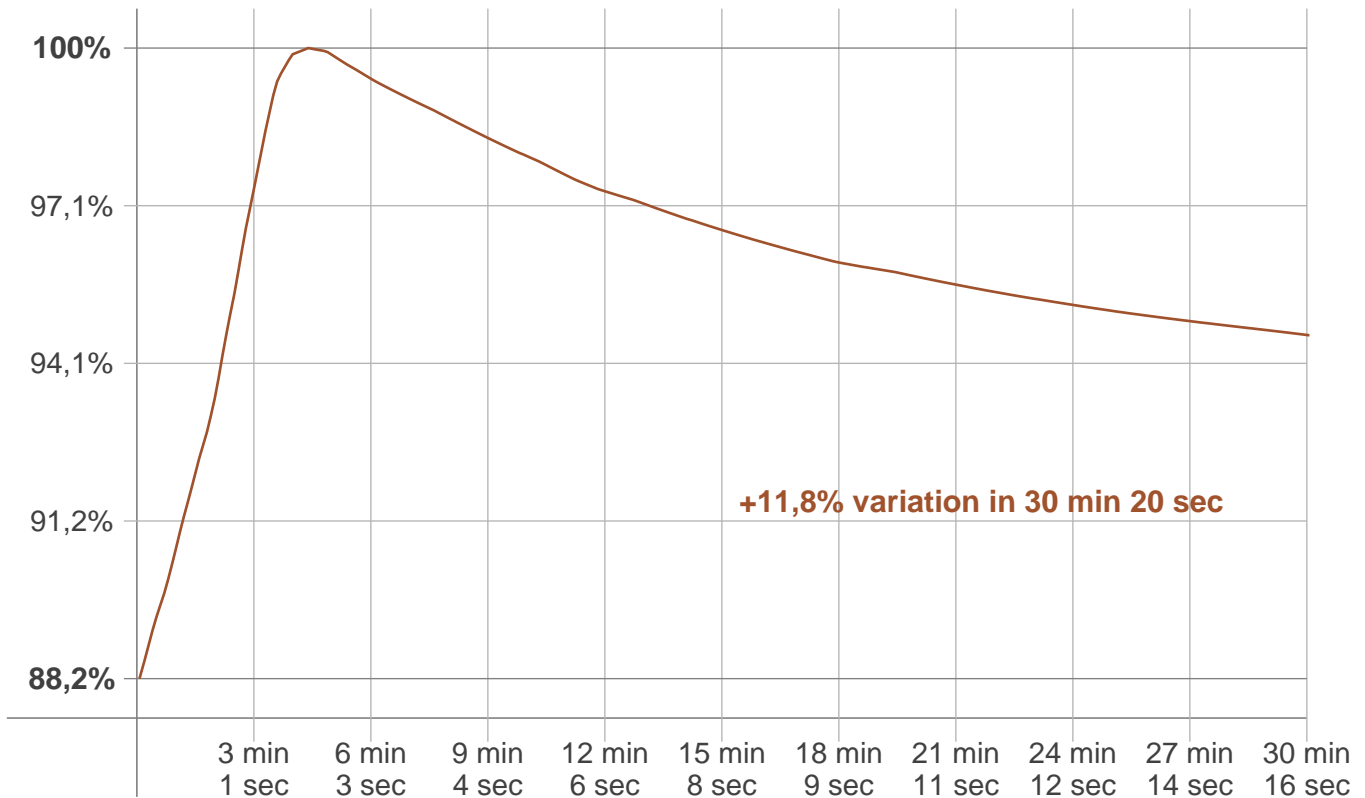
BUG rating:	B5 U3 G3	
Forward light	Lumens	Lumens %
Low(0-30):	16767,5	30%
Medium(30-60):	9529,2	17,1%
High(60-80):	1417,4	2,5%
Very high(80-90):	136,2	0,2%
Back light		
Low(0-30):	16767,5	30%
Medium(30-60):	9529,2	17,1%
High(60-80):	1417,4	2,5%
Very high(80-90):	136,2	0,2%
Uplight		
Low(90-100):	7,4	0%
High(100-180):	133,1	0,2%

LCS graph



Stabilization

Warmup curve



Warmup result

Warmup time:	30 min 20 sec
Warmup variation	+11,9%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
6453 K	-753 K	5700 K

Output change

Output start	Output change	Output end
51768 lm	+4073 lm	55841 lm