Light efficiency:

74 Lumen/Watt

Light quality:

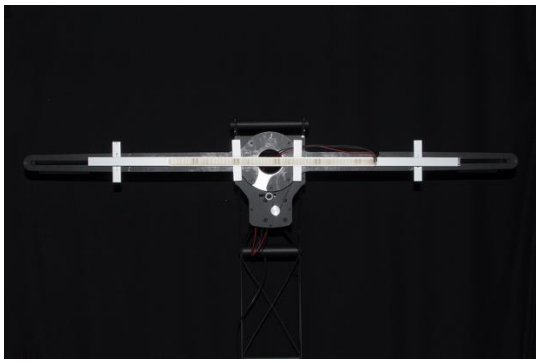
CRI: 93,3

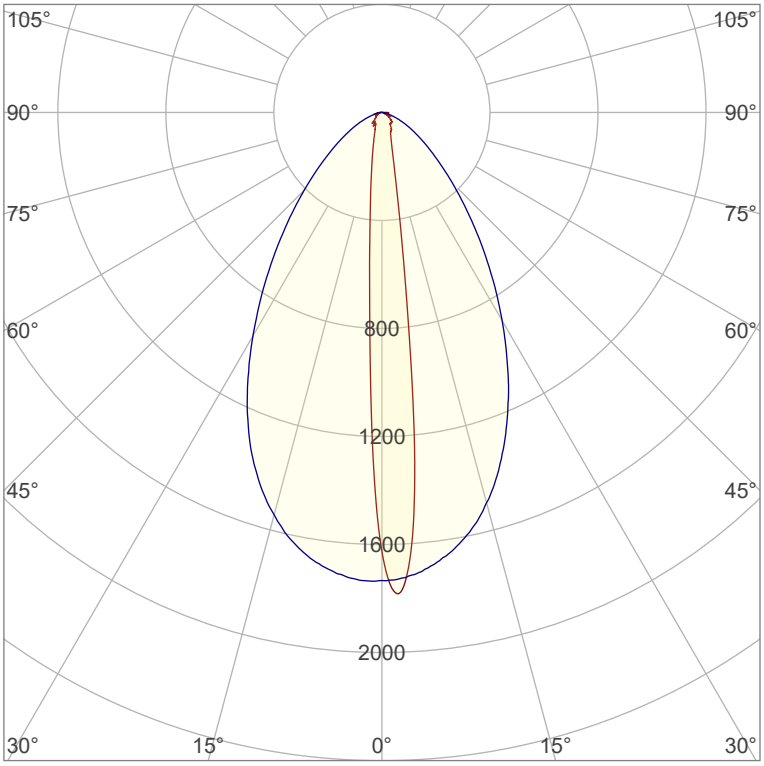
Color temperature:

6500 K

Output: 708 lm
Peak: 1783 cd

Power: 9,6 W
PF: 1,0





Product name:
Pegasus-5_510mm_965_Inlay-Lens-Wallwasher

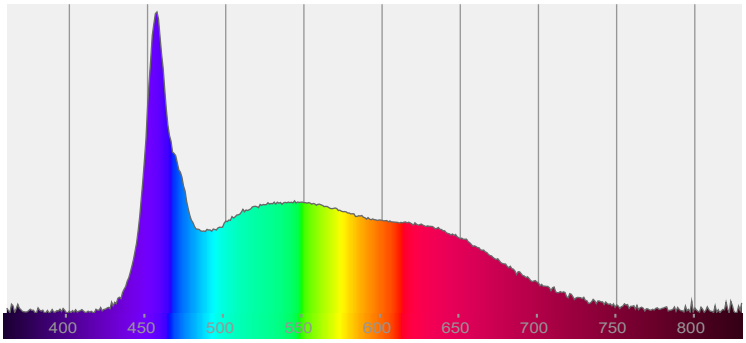
Item number:
NP/L2C/09E/0510/965/ILWW

Date and time:
25.08.2025 12:34:58

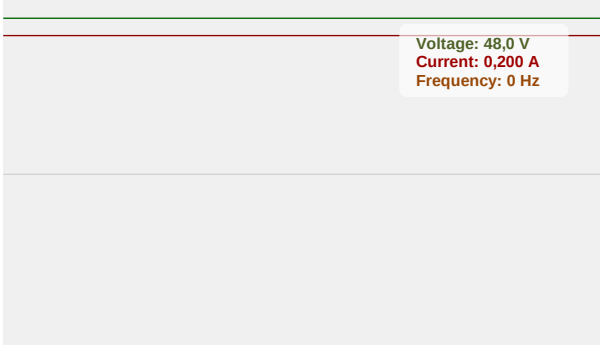
Description:
Tolerances:
Lumen +/-4%
Candela +/-2,5%
Colour Temp +/-35 Kelvin
CRI +/-0,7
Angular Resolution: 1 Degree Step
Last Calibration 13.10.2023
Tester:
Peter Ulrich
Test Site:
Lichtlabor
Gaustrasse 13
55411 Bingen am Rhein

CIE 1931
x: 0,314
y: 0,324

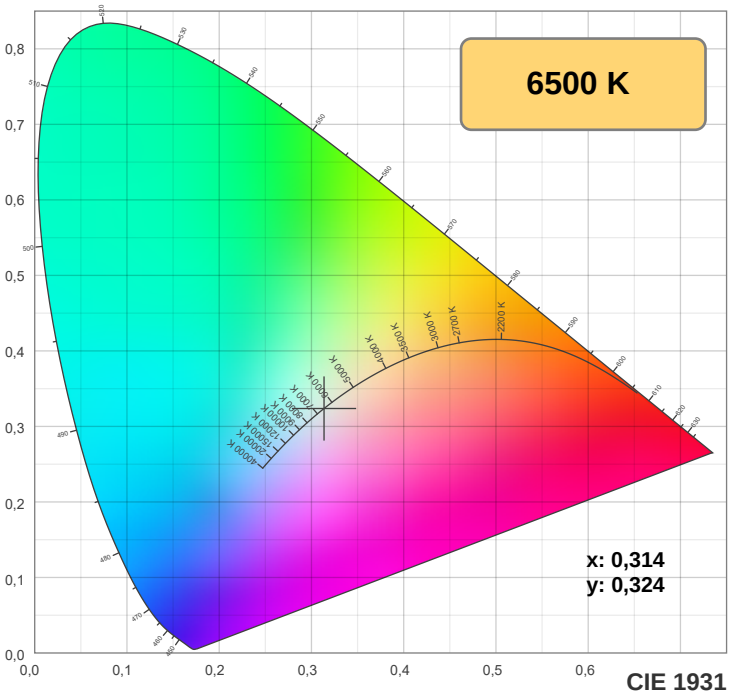
Spectra



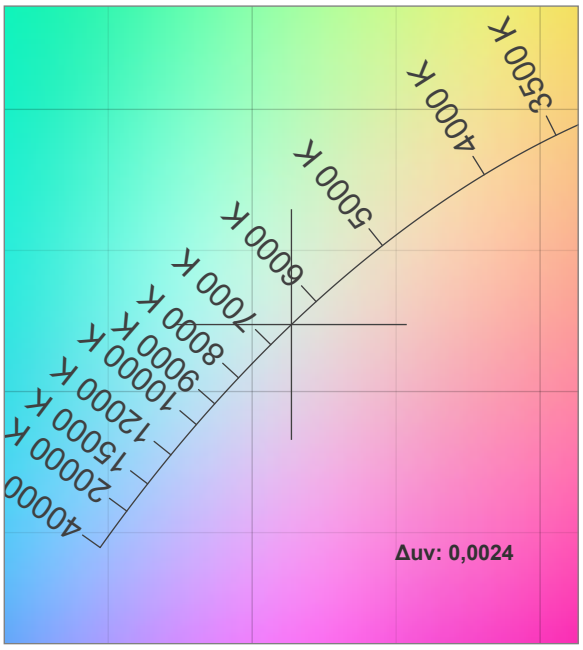
Power



Color details

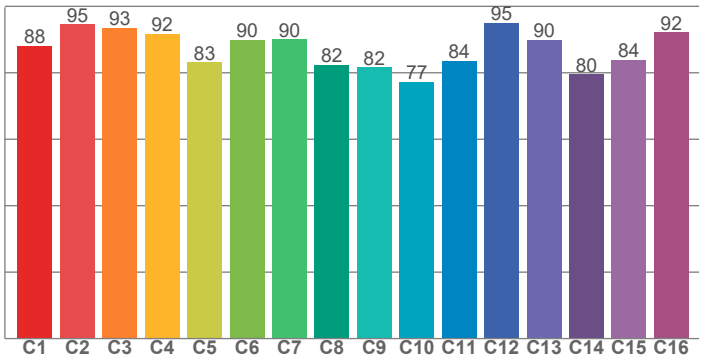


CIE 1931

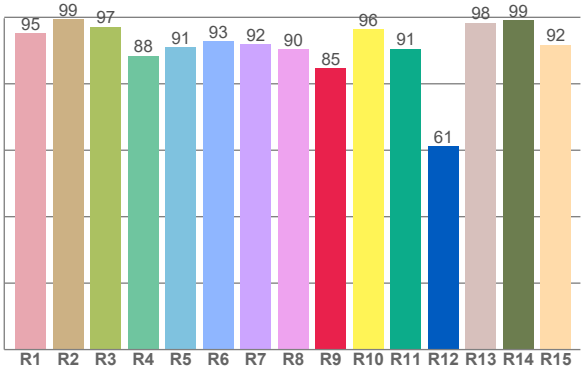


CIE 1931 ZOOM

TM30: 87,2



CRI: 93,3 (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
95,2	99,5	97,1	88,4	90,9	92,7	91,9	90,3	84,6	96,5	90,6	61,1	98,4	99,2	91,7

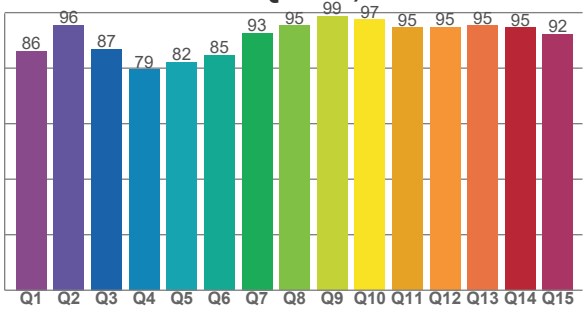
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,1	94,5	93,4	91,7	83,1	90,0	90,0	82,5	81,7	77,3	83,6	95,1	90,0	79,6	83,8	92,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,2	95,6	87,0	79,5	82,3	84,7	92,6	95,3	98,8	97,4	94,6	94,9	95,4	94,6	92,3

CQS: 89,7



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
6500 K	93,3	84,6	87,2	95,8	89,7	0,314	0,324	0,200	0,310	0,0024

TM30 details

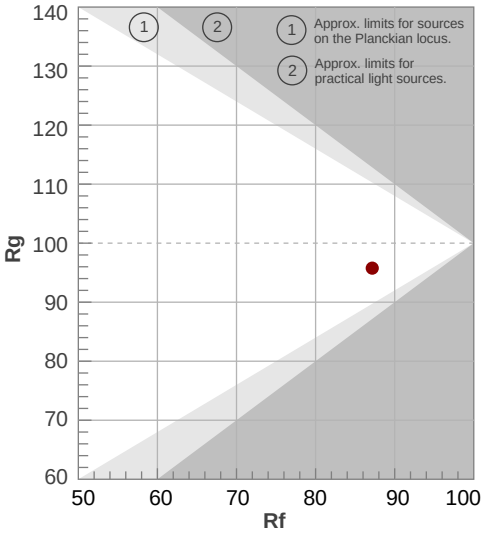
Rf 87,2

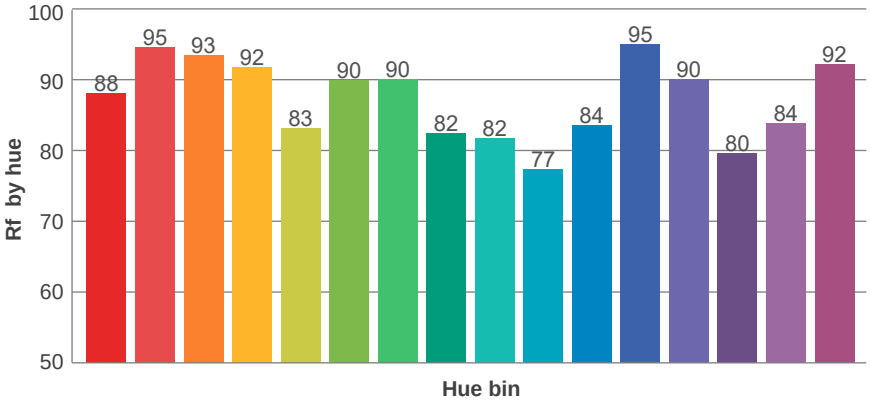
Fidelity index Rf

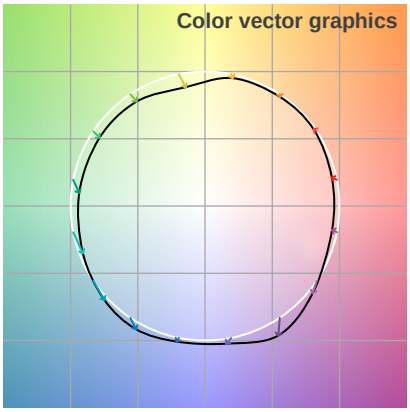
Rg 95,8

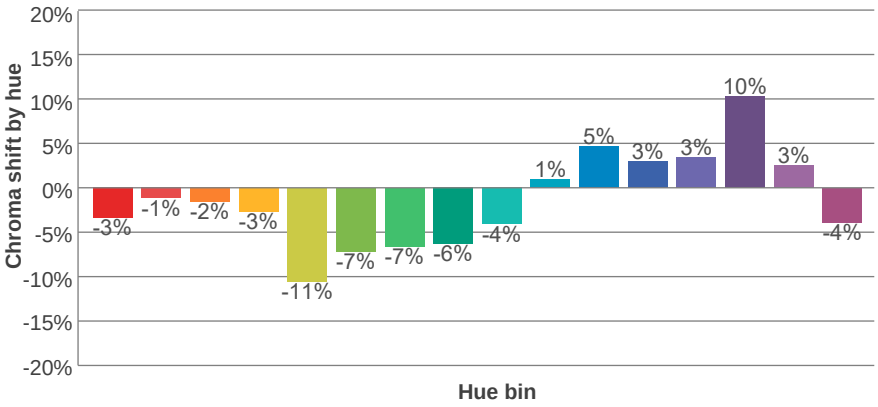
Gammut index Rg

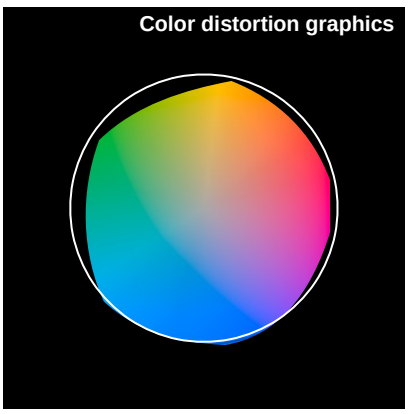
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	88	-3%	2%
2	95	-1%	3%
3	93	-2%	-1%
4	92	-3%	-2%
5	83	-11%	-3%
6	90	-7%	-1%
7	90	-7%	1%
8	82	-6%	9%
9	82	-4%	16%
10	77	1%	16%
11	84	5%	8%
12	95	3%	-1%
13	90	3%	-5%
14	80	10%	-8%
15	84	3%	-9%
16	92	-4%	1%

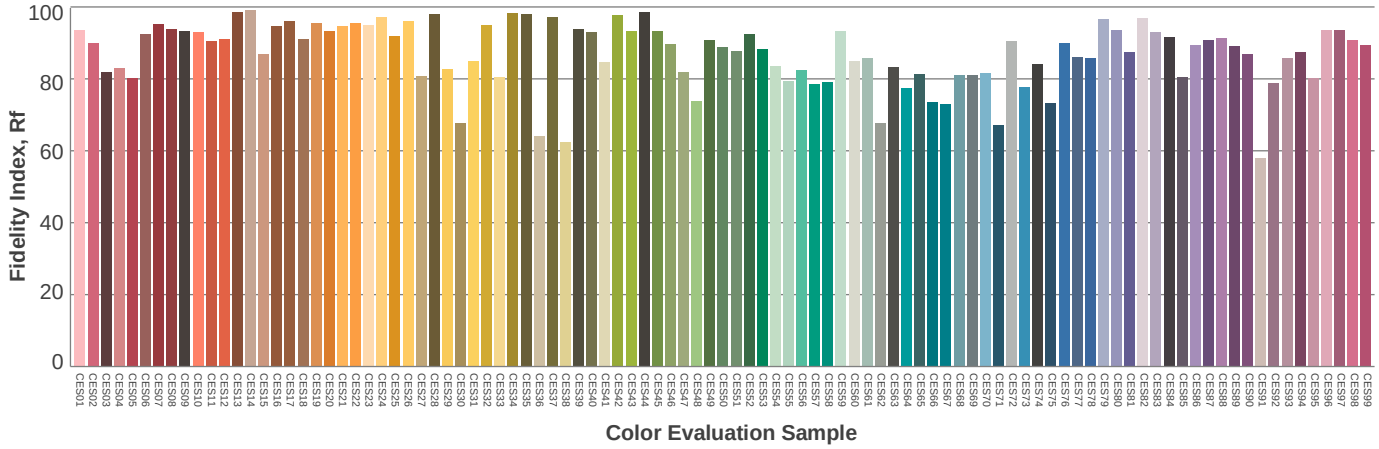




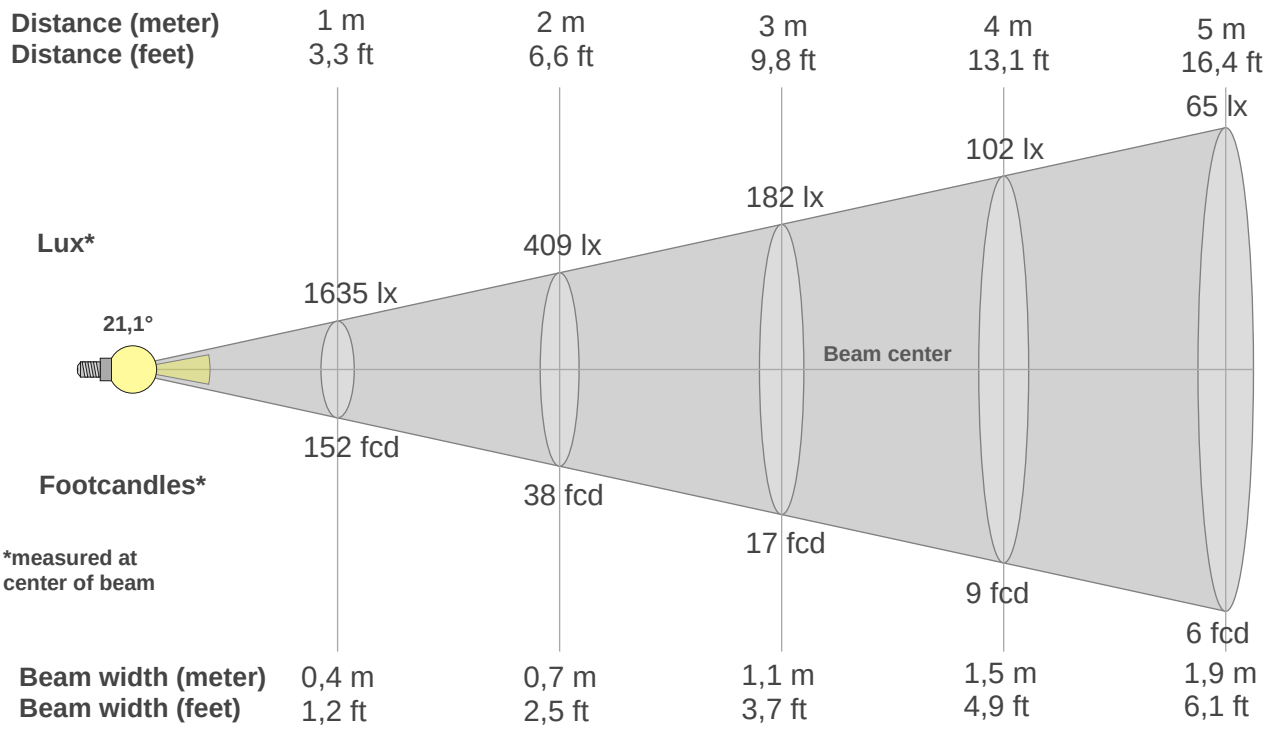








Beam details



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
1635lx	409lx	182lx	102lx	65lx	45lx	33lx	26lx	20lx	16lx	14lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	5lx	4lx
151,9fc	38fcd	16,9fcd	9,5fcd	6,1fcd	4,2fcd	3,1fcd	2,4fcd	1,9fcd	1,5fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd

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°
1635	1781	1594	1116	606	352	233	171	134	112	97	86	79	76	74	70	62	55	53	52
100%	109%	97%	68%	37%	22%	14%	10%	8%	7%	6%	5%	5%	5%	5%	4%	4%	3%	3%	3%

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°
1635	1729	1715	1692	1662	1626	1582	1528	1466	1396	1318	1236	1152	1063	976	890	806	725	649	576
100%	106%	105%	103%	102%	99%	97%	93%	90%	85%	81%	76%	70%	65%	60%	54%	49%	44%	40%	35%

Intensities in 180° c-plane

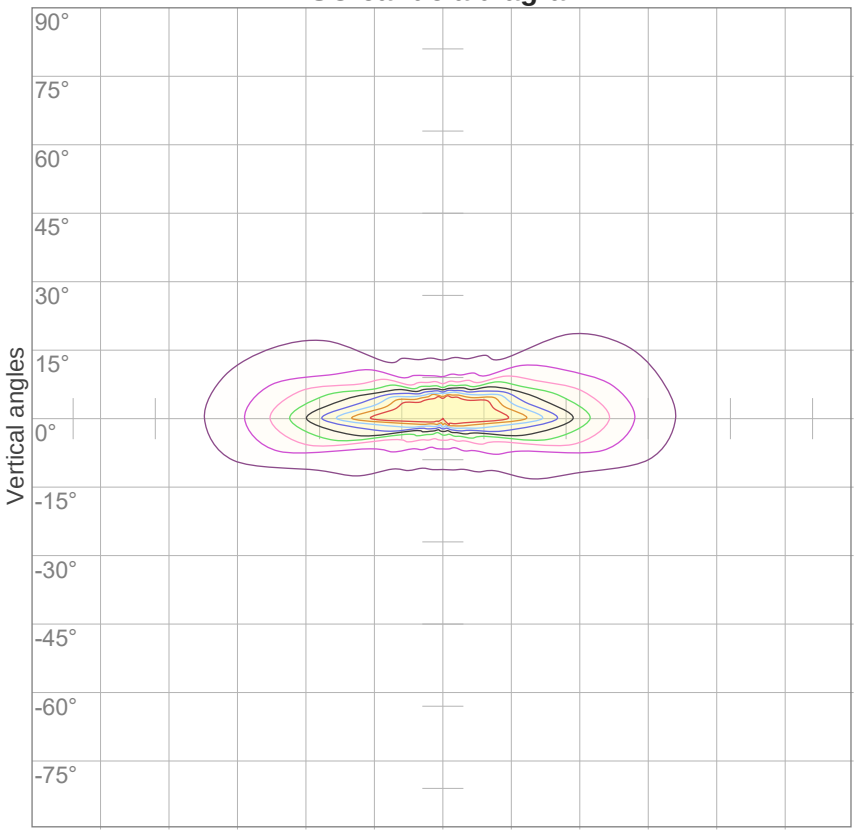
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1635	1119	655	424	301	222	172	136	109	92	77	68	62	53	49	52	59	52	46	44
100%	68%	40%	26%	18%	14%	11%	8%	7%	6%	5%	4%	4%	3%	3%	3%	4%	3%	3%	3%

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°
1635	1735	1727	1710	1687	1657	1618	1570	1516	1454	1385	1308	1224	1136	1046	955	867	784	703	628
100%	106%	106%	105%	103%	101%	99%	96%	93%	89%	85%	80%	75%	69%	64%	58%	53%	48%	43%	38%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,1°	**52,2°**	**110,3°**	**89,3%**	**75,2%**

ISO candela diagram



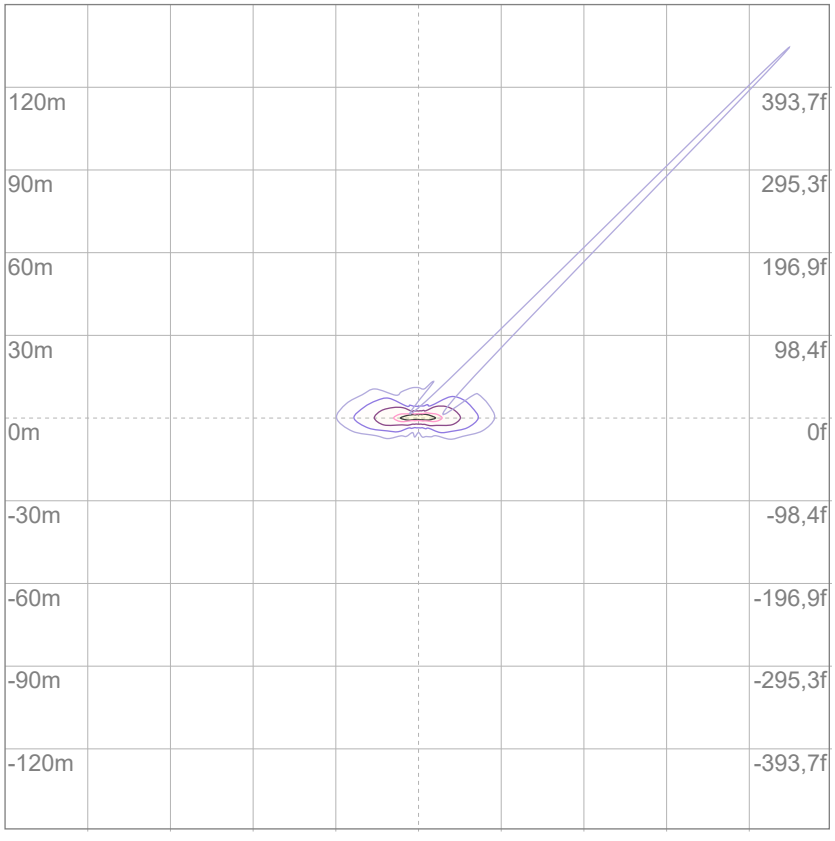
10%	164 cd
20%	327 cd
30%	491 cd
40%	654 cd
50%	818 cd
60%	981 cd
70%	1145 cd
80%	1308 cd
90%	1472 cd

Conditions:

Number of c-planes: 16

Candela at center: 1635 cd

ISO lux diagram



Mounting height: 10 meters (33 feet)

3%	0,491 lx
5%	0,818 lx
10%	1,64 lx
30%	4,91 lx
50%	8,18 lx

Conditions:

Number of c-planes: 16

Lux at center: 16,4 lx

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

Glare Evaluation According to UGR

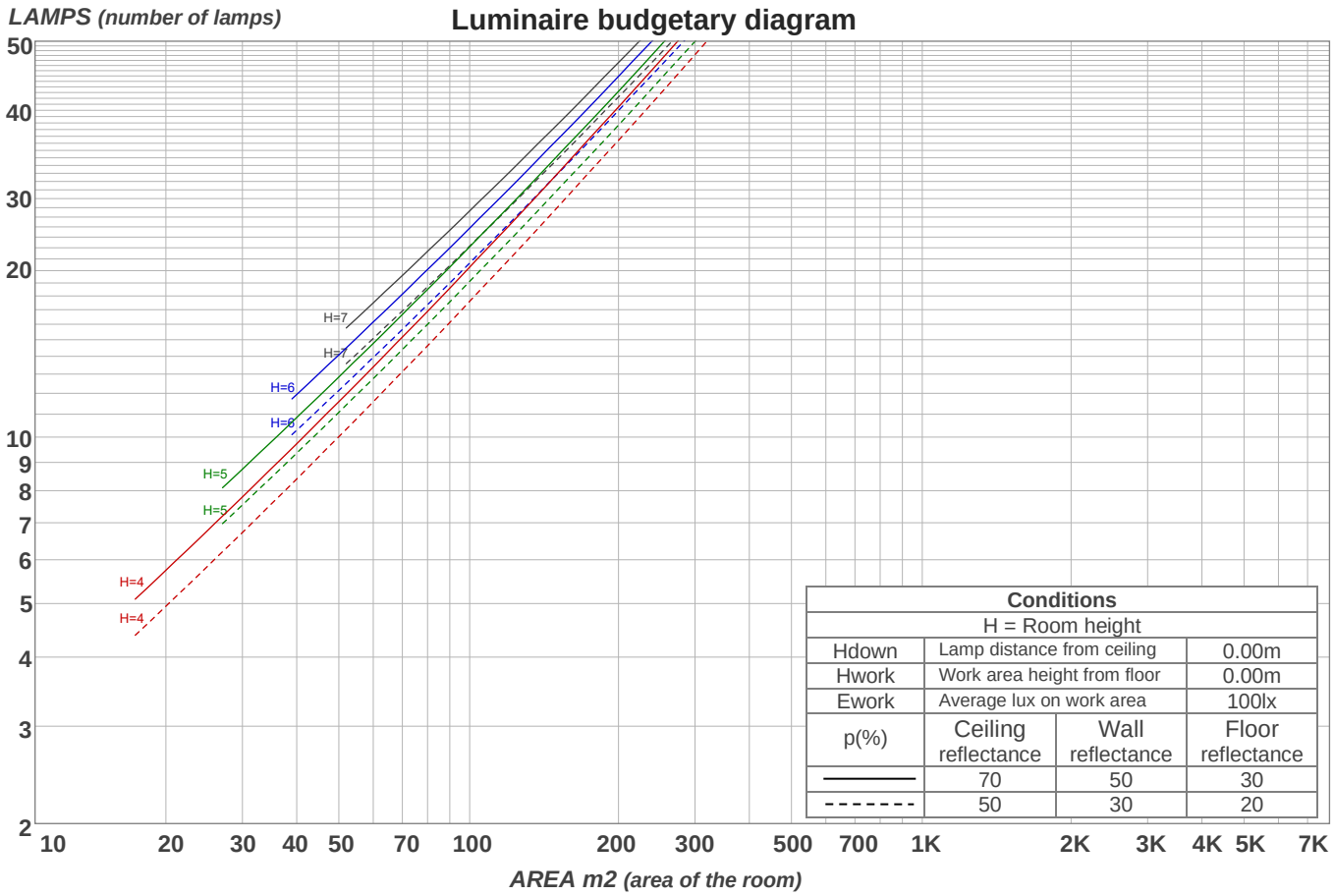
p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p Floor	20	20	20	20	20	20	20	20	20	20
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
Standard table	n/a					n/a				
Correction summand	n/a					n/a				
Corrected glare indices referring to 708 lm total luminous flux										

UGR data could not be calculated due to missing/wrong symmetry. Go to Edit -> Photometric -> Corrections and select Correct asymmetry (UGR not defined for asymmetrical distributions)..

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	50	48
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43

Luminaire budgetary diagram

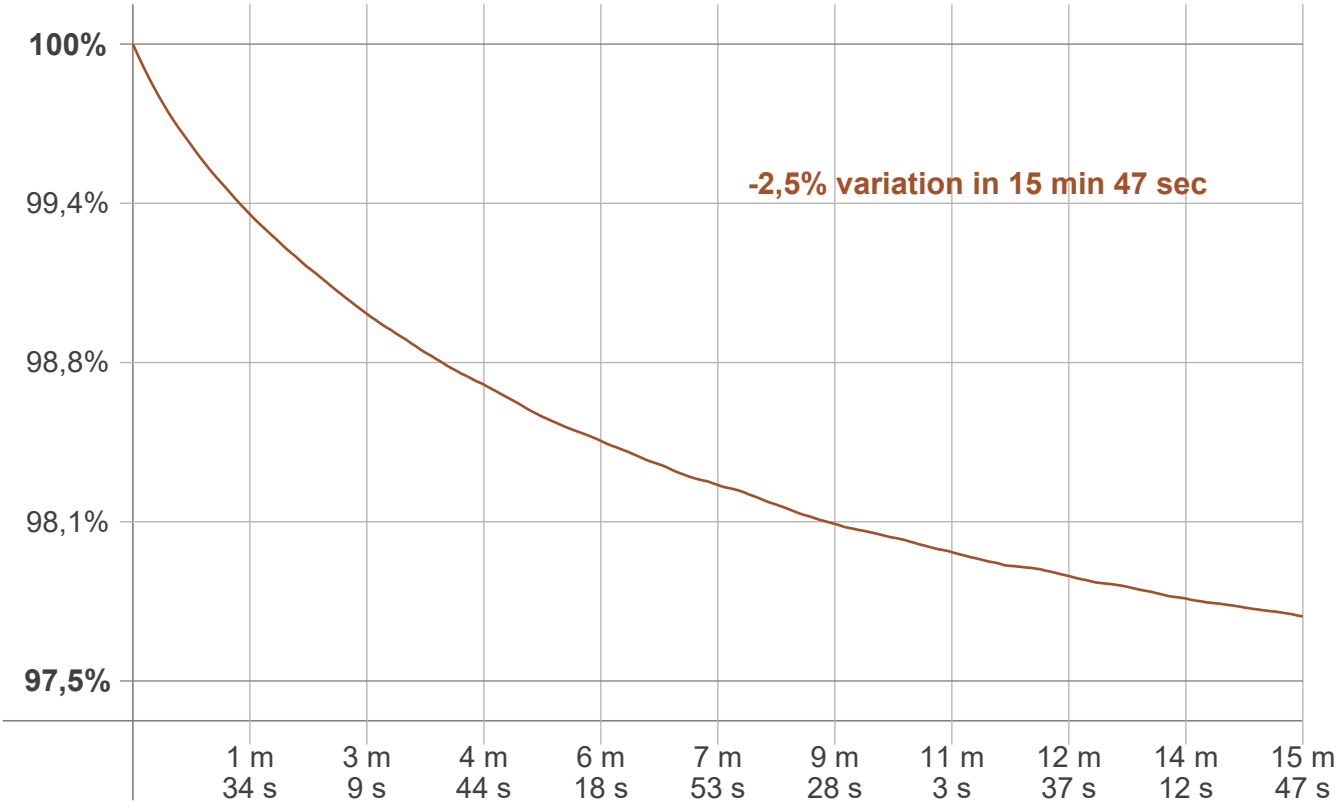


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
103 lm	141 lm	130 lm	112 lm	87,3 lm	59,9 lm	36,3 lm	22,6 lm	16,5 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,035 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm

Warmup curve



Warmup result

Warmup time:	**Lamp stabilized in 15 min 47 sec**
Warmup variation	**-2,5%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
6470 K	+30 K	6500 K

Output change

Output start	Output change	Output end
725 lm	-17 lm	708 lm