Light efficiency:

79 Lumen/Watt

Light quality:

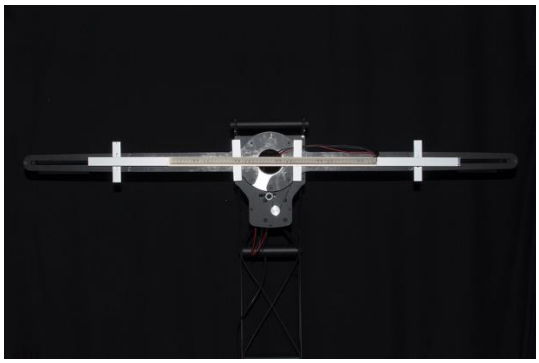
CRI: 92,7

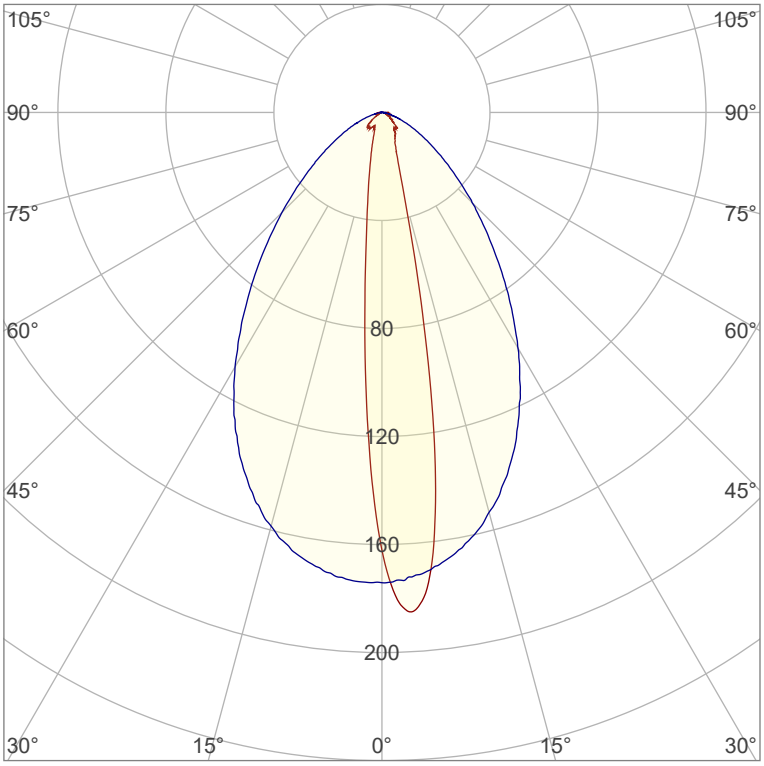
Color temperature:

2700 K

Output: 95,0 lm
Peak: 185 cd

Power: 1,2 W
PF: 1,0





Product name:
Mayflower-3_510mm_927_Inlay-Lens-Wallwasher

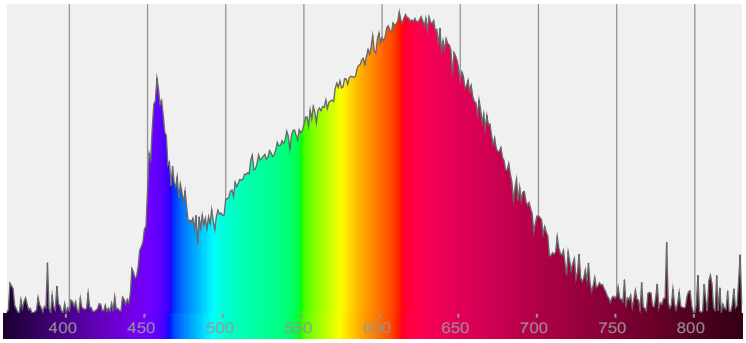
Item number:
NP/L1C/10C/0510/927/ILWW

Date and time:
11.08.2025 15:01:34

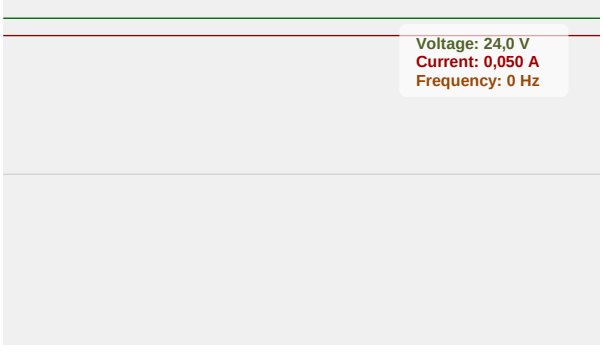
Description:
Tolerances:
Lumen +/-4%
Candela +/-2,5%
Colour Temp +/-35 Kelvin
CRI +/-0,7
Angular Resolution: 1 Degree Step
Last Calibration 13.10.2023
Tester: Peter Ulrich
Test Site: Lichtlabor
Gaustrasse 13
55411 Bingen am Rhein

CIE 1931
x: 0,460
y: 0,411

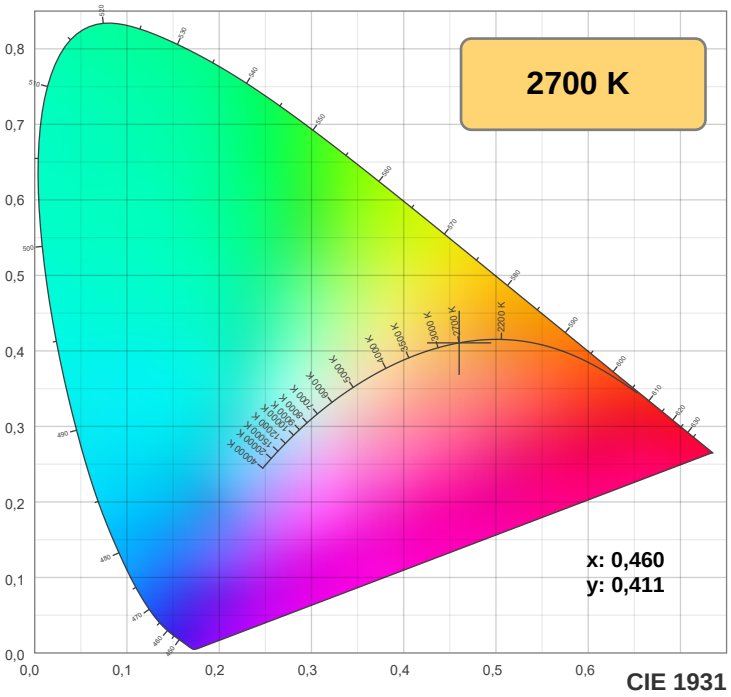
Spectra

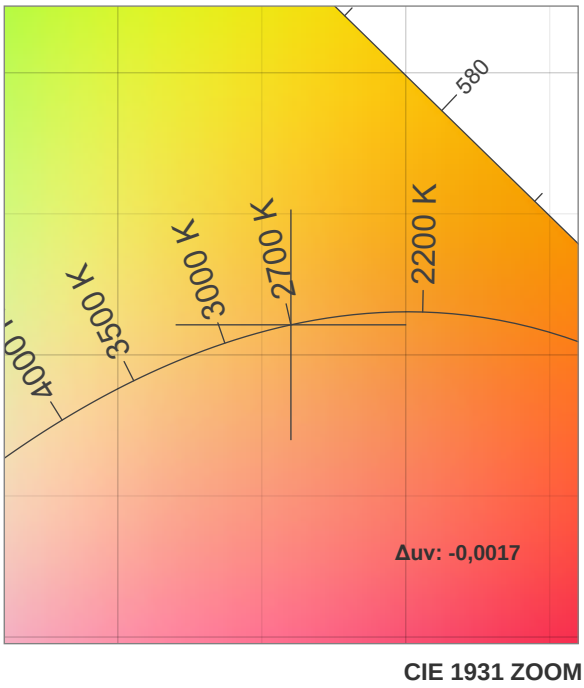


Power

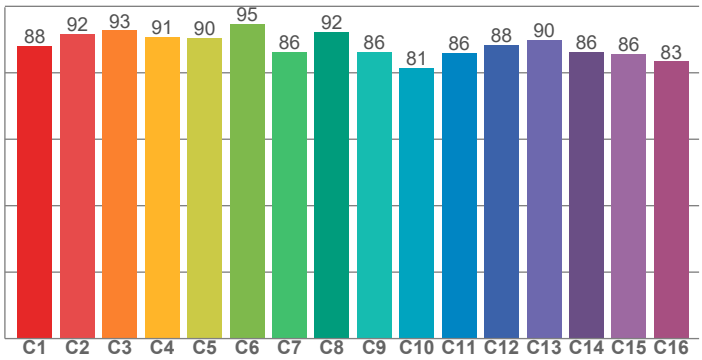


Color details

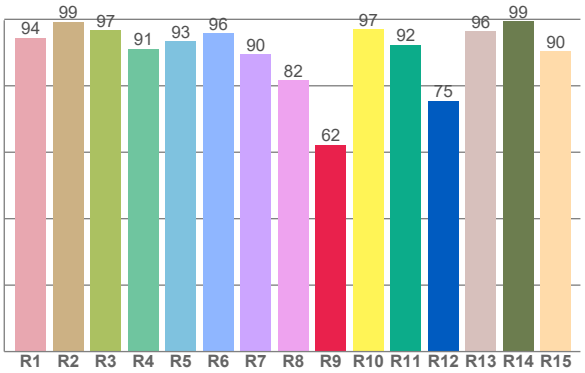




TM30: 88,6



CRI: 92,7 (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
94,4	99,2	96,8	91,1	93,4	95,7	89,6	81,6	62,2	97,0	92,3	75,5	96,4	99,3	90,5

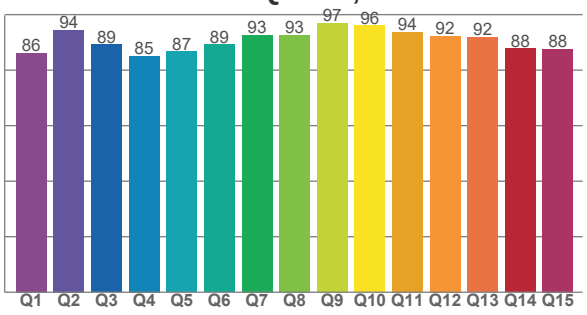
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,1	91,7	92,8	90,9	90,5	94,7	86,2	92,3	86,2	81,4	86,0	88,4	89,9	86,3	85,7	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,2	94,5	89,2	85,1	86,7	89,2	92,6	92,6	96,9	96,0	93,8	92,4	91,8	87,8	87,7

CQS: 90,0



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
2700 K	92,7	62,2	88,6	96,5	90,0	0,460	0,411	0,263	0,352	-0,0017

TM30 details

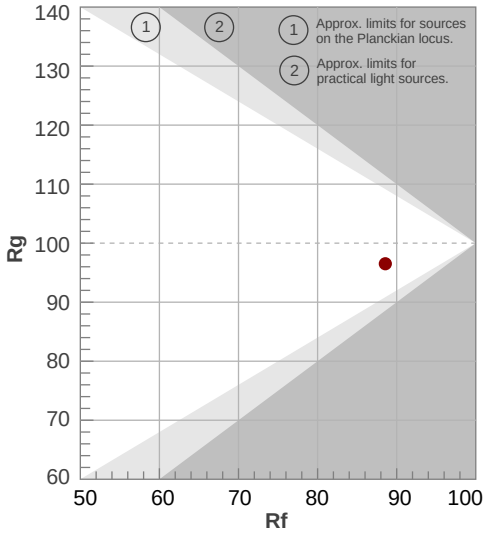
Rf 88,6

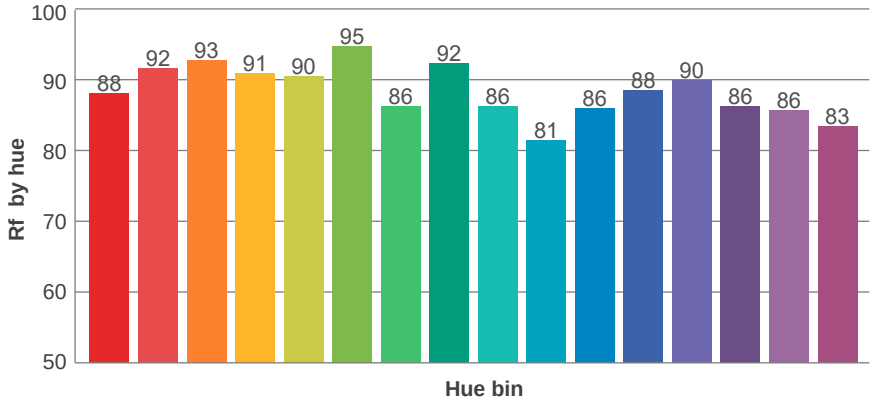
Fidelity index Rf

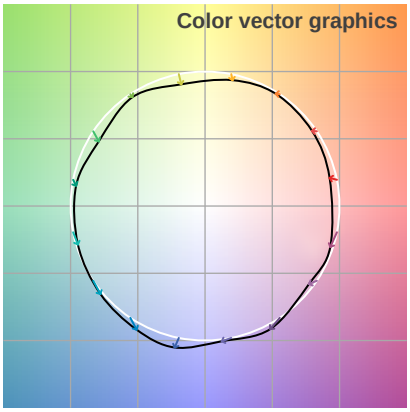
Rg 96,5

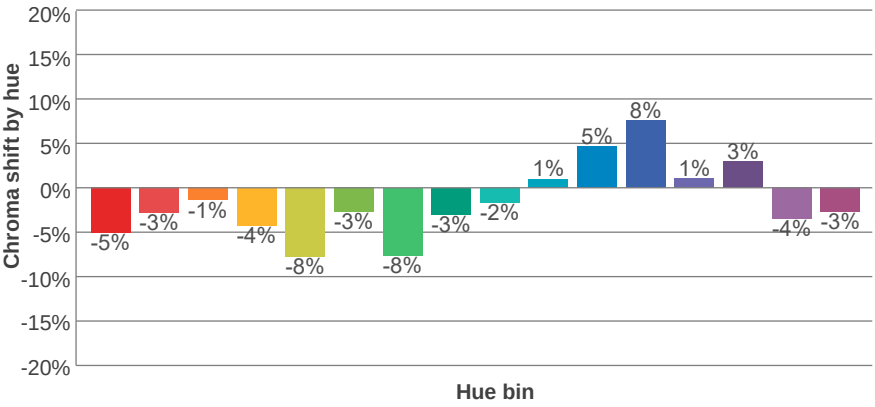
Gammut index Rg

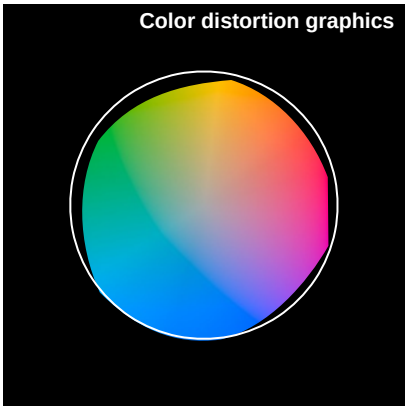
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	88	-5%	2%
2	92	-3%	2%
3	93	-1%	3%
4	91	-4%	-2%
5	90	-8%	0%
6	95	-3%	0%
7	86	-8%	4%
8	92	-3%	4%
9	86	-2%	10%
10	81	1%	11%
11	86	5%	9%
12	88	8%	-2%
13	90	1%	-7%
14	86	3%	-10%
15	86	-4%	-5%
16	83	-3%	-12%

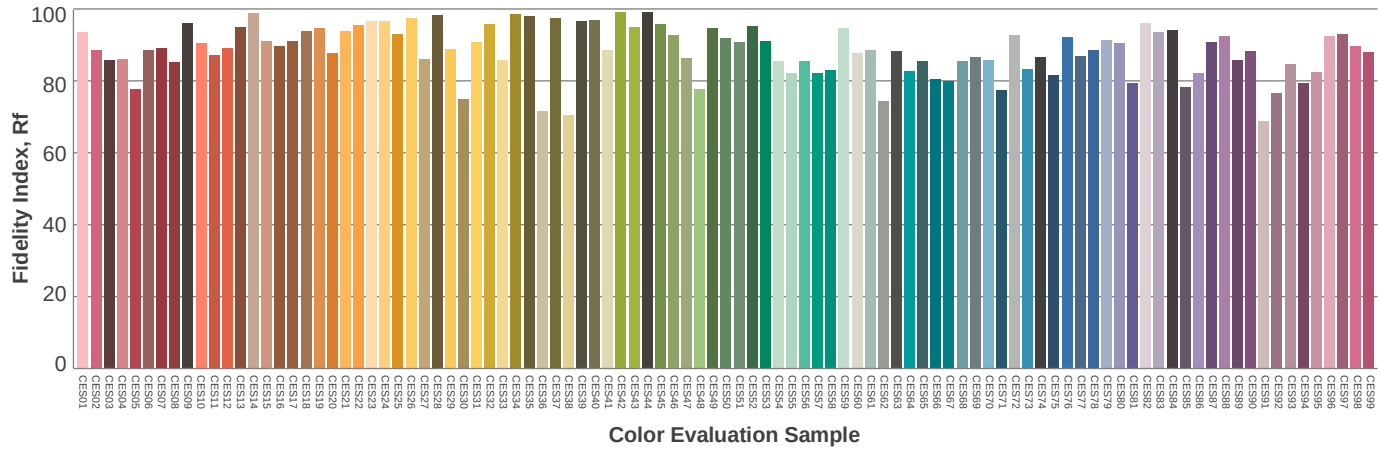




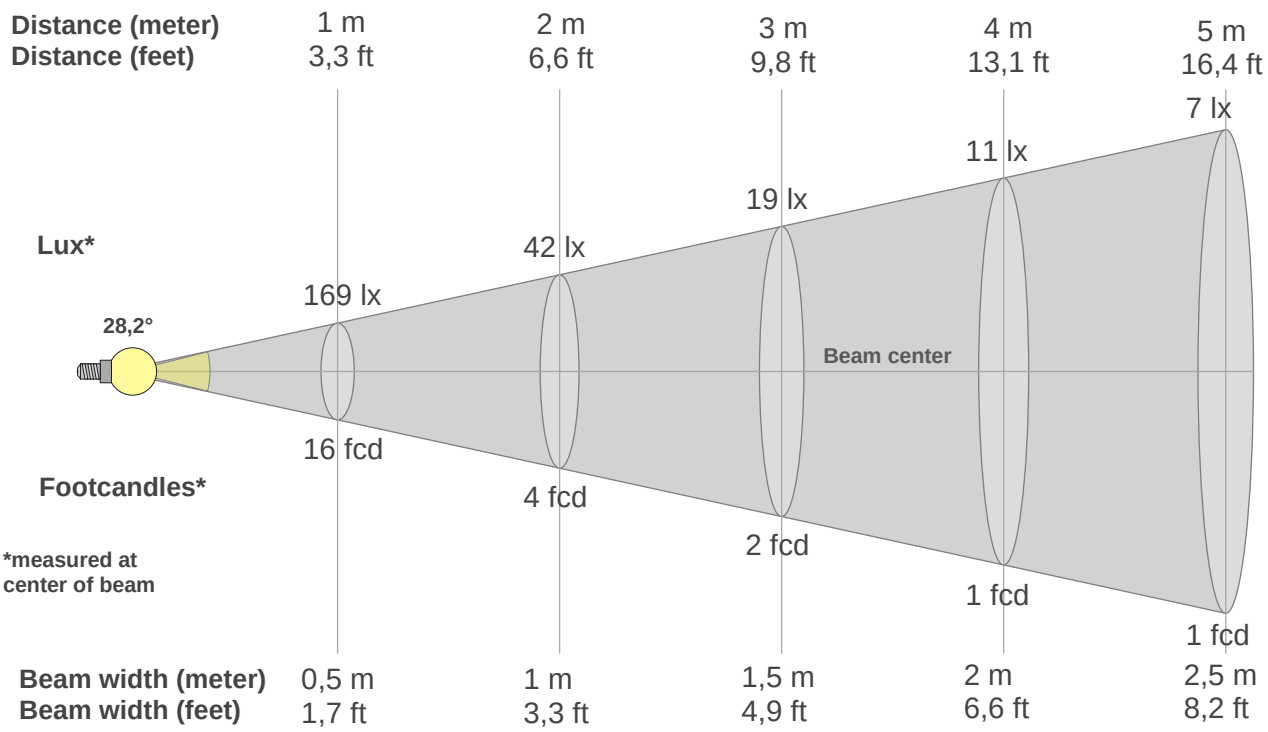








Beam details



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
169lx	42lx	19lx	11lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15,7fcd	3,9fcd	1,7fcd	1fcd	0,6fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd

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°
169	181	184	171	143	104	66	40	26	19	16	14	12	11	10	10	9	9	8	7
100%	108%	109%	102%	85%	62%	39%	24%	16%	12%	9%	8%	7%	6%	6%	6%	6%	5%	5%	4%

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°
169	173	172	170	168	164	161	156	151	145	139	132	124	117	109	101	93	85	77	70
100%	103%	102%	101%	99%	98%	95%	93%	90%	86%	82%	78%	74%	69%	64%	60%	55%	50%	46%	41%

Intensities in 180° c-plane

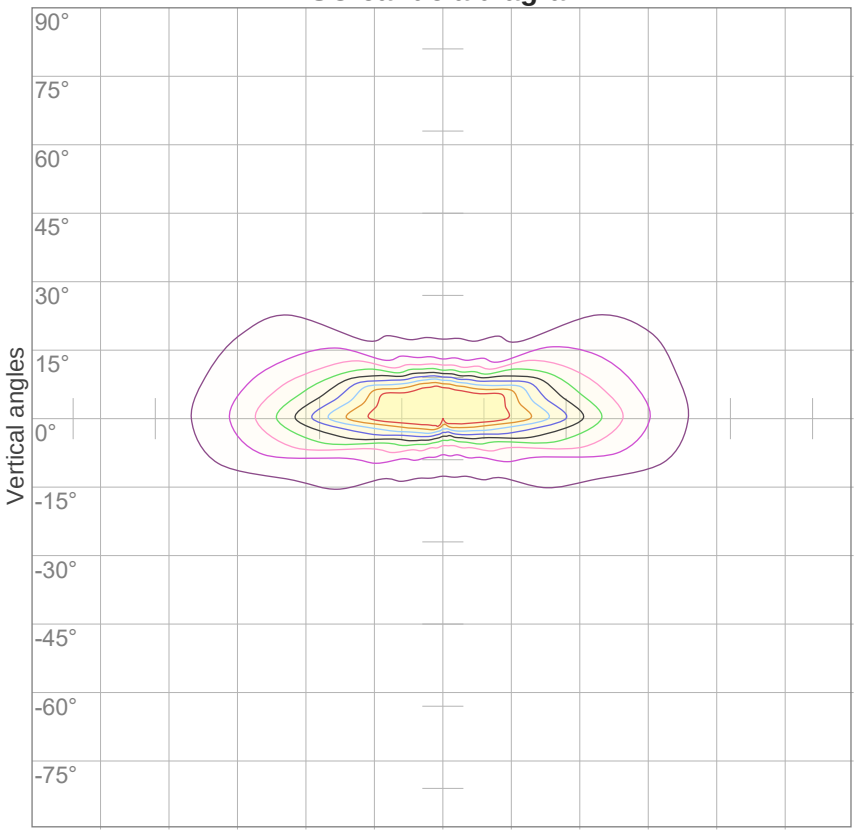
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
169	128	90	59	40	29	22	17	13	11	9	7	7	6	6	6	6	7	7	7
100%	76%	53%	35%	24%	17%	13%	10%	8%	6%	5%	4%	4%	4%	4%	4%	4%	4%	4%	4%

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°
169	174	173	172	170	168	165	161	157	151	145	139	132	125	117	109	100	92	84	77
100%	103%	103%	102%	101%	100%	98%	95%	93%	90%	86%	83%	78%	74%	69%	65%	60%	55%	50%	45%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,2°	**61,4°**	**122,2°**	**90,0%**	**75,3%**

ISO candela diagram



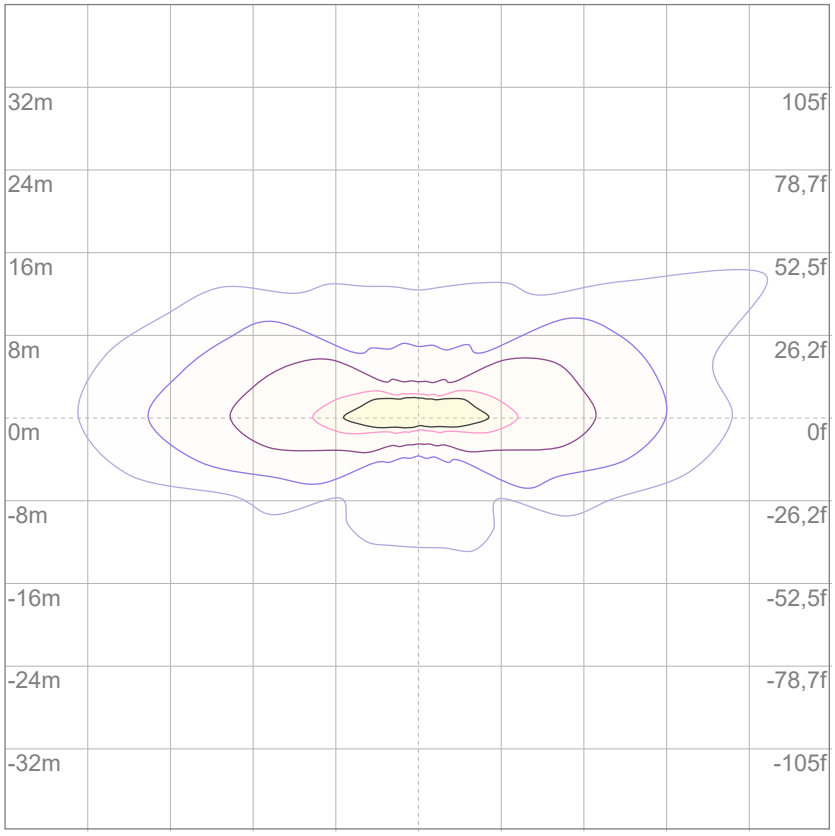
10%	17 cd
20%	34 cd
30%	51 cd
40%	67 cd
50%	84 cd
60%	101 cd
70%	118 cd
80%	135 cd
90%	152 cd

Conditions:

Number of c-planes: 16

Candela at center: 169 cd

ISO lux diagram



Mounting height: 10 meters (33 feet)

3%	50,6m lx
5%	84,3m lx
10%	0,169 lx
30%	0,506 lx
50%	0,843 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,69 lx

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

Glare Evaluation According to UGR

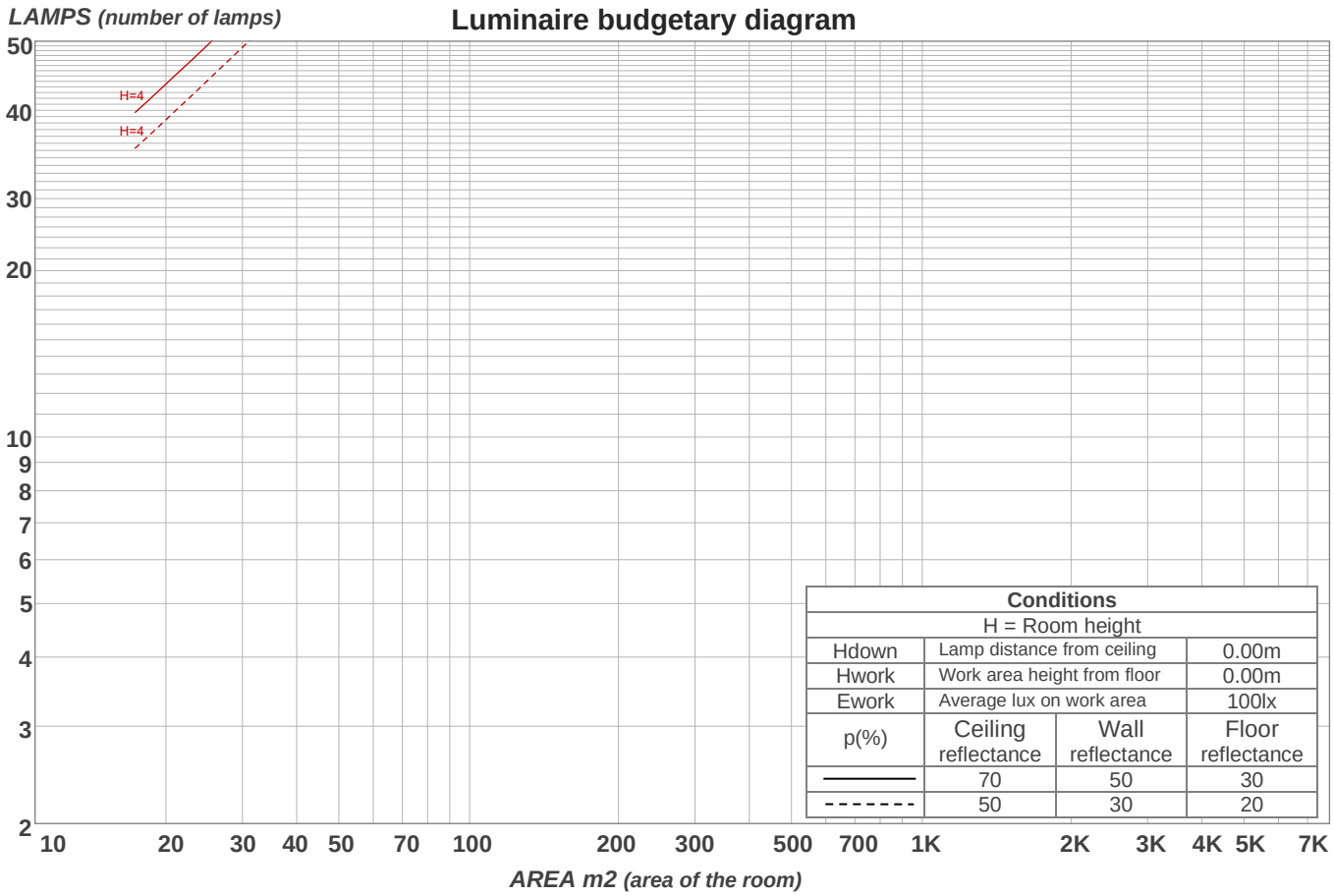
p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p Floor	20	20	20	20	20	20	20	20	20	20
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	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 95,0 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	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	86	76	69	64	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	53	62	57	53	61	56	53	51
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

Luminaire budgetary diagram

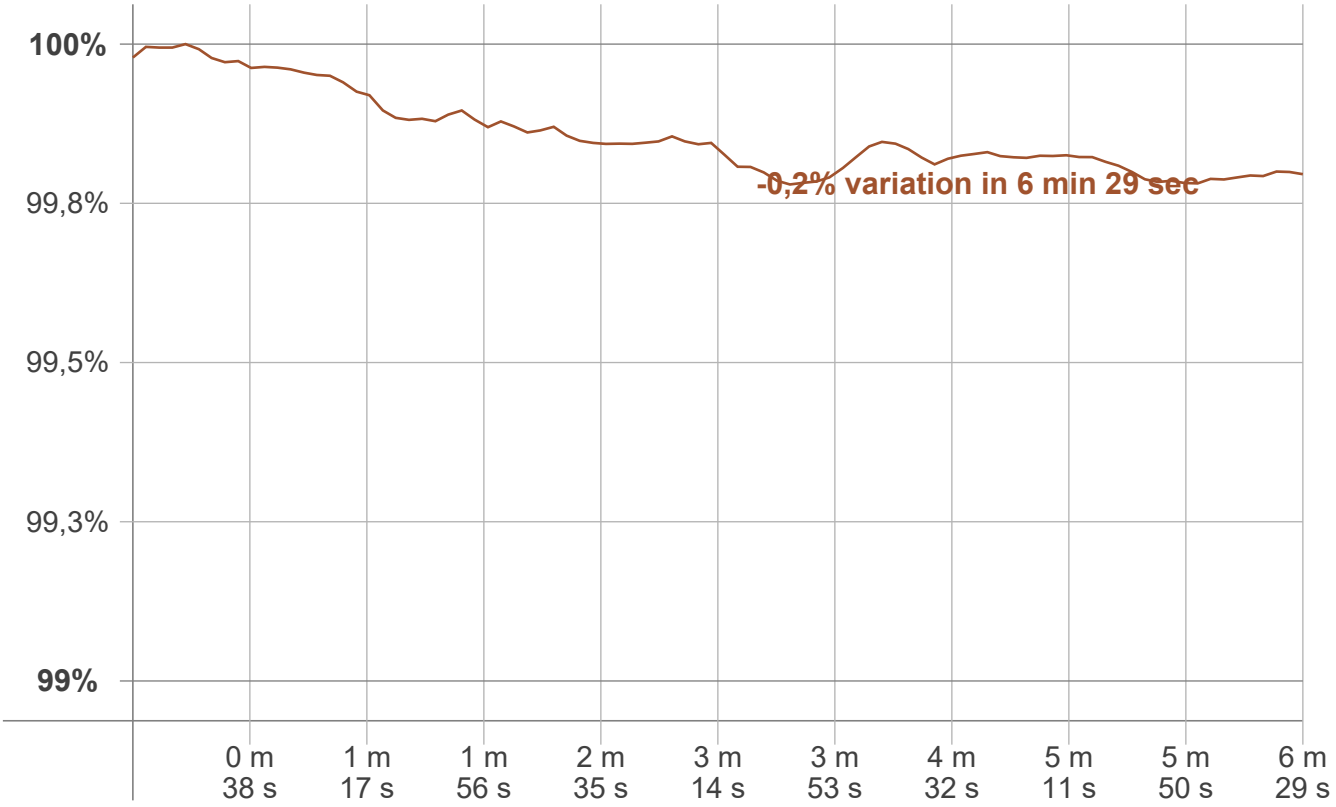


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
12,8 lm	20,0 lm	17,6 lm	14,9 lm	12,0 lm	8,29 lm	4,74 lm	2,81 lm	1,96 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,003 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:	**Not completed**
Warmup variation	**-0,2%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
2698 K	+2 K	2700 K

Output change

Output start	Output change	Output end
95,2 lm	-0,2 lm	95,0 lm