

Light efficiency:



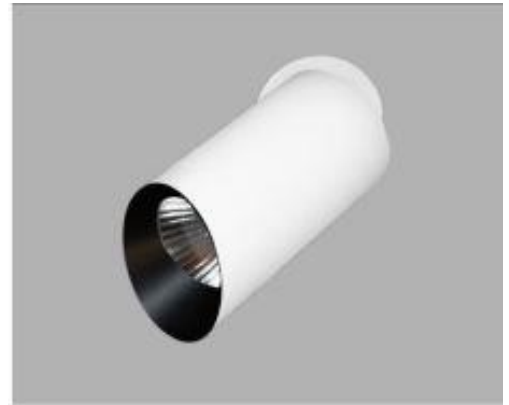
Light quality:



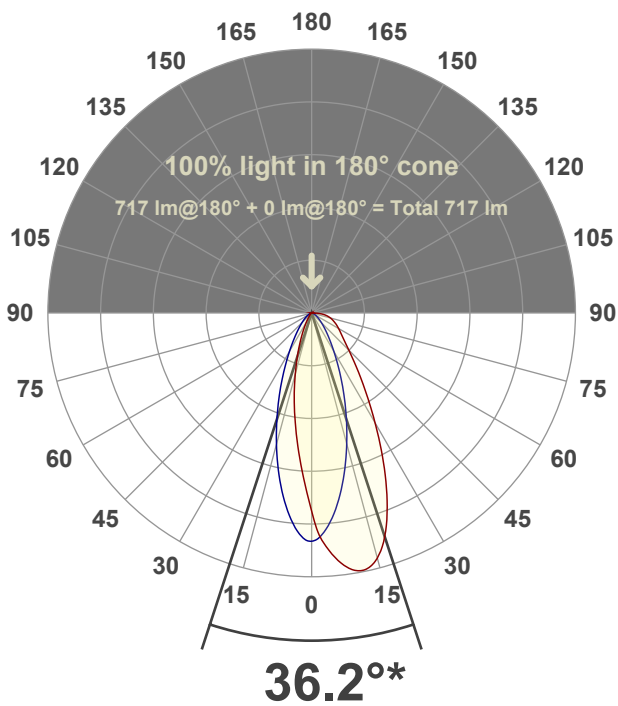
Color temperature:



Output: 717 lm
Peak: 1115 cd
Power: 14.6 W
PF: 0.98



Beam angle



Luminaire Model:

SCOM-RA-X-XX-C14-30-WW-C1-XX

Product:

Scope O 2.5 Round Wall Wash
Monopoint

Date and time:

1/6/2026 4:59:48 PM

LUM: 717

PPF: 11.6

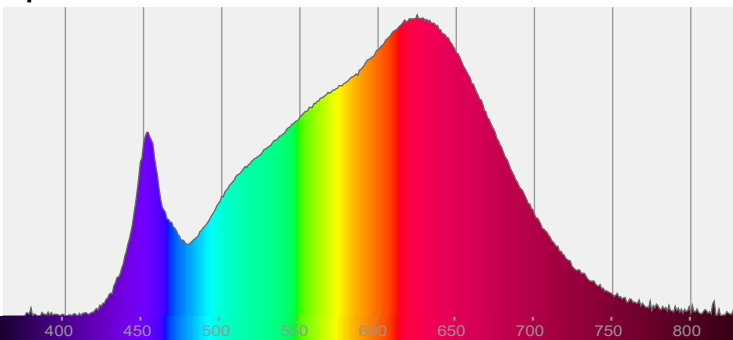
Beam Angle* @ 0° = 12.7°

*Fixture is at 0° (perpendicular to floor)

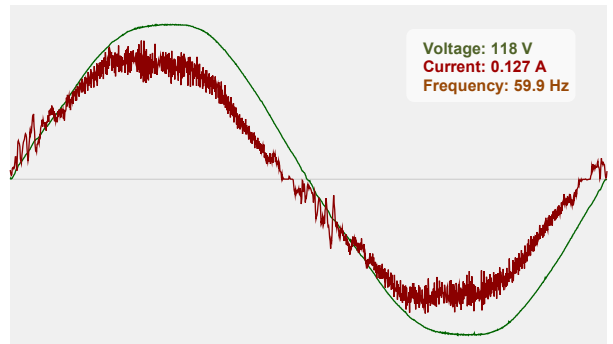


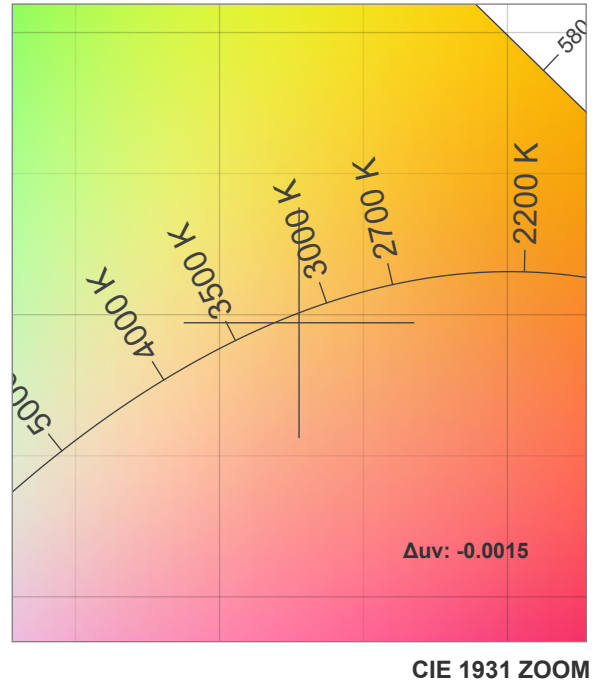
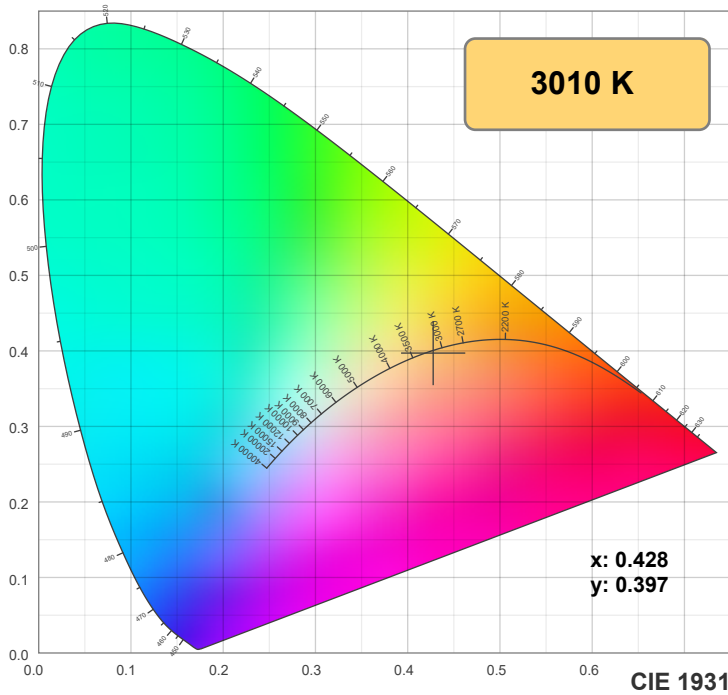
CIE 1931
x: 0.428
y: 0.397

Spectra

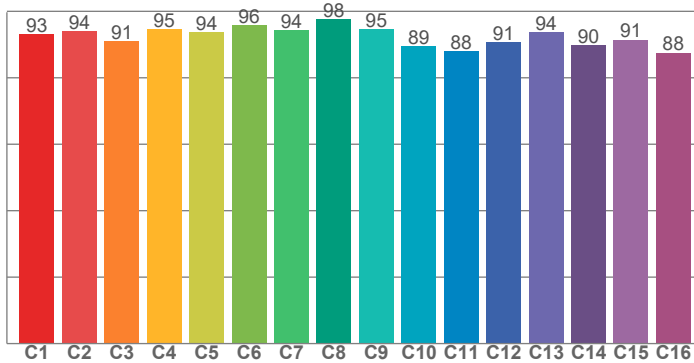


Power

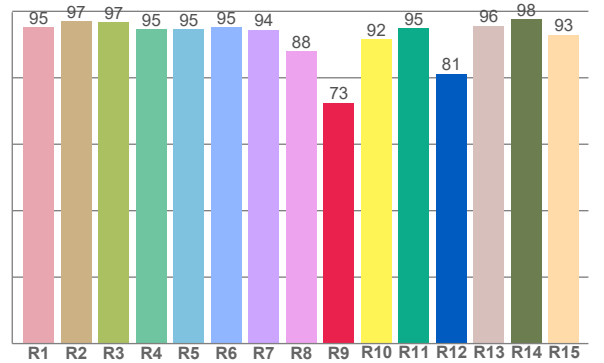




TM30: 92.5



CRI: 94.5 (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
95.1	97.0	96.8	94.7	94.5	95.2	94.4	88.0	72.5	91.6	94.8	81.2	95.7	97.5	93.0

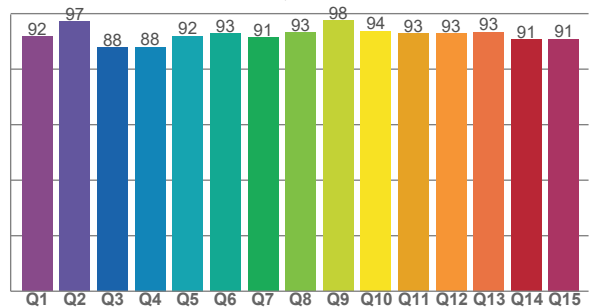
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	94.0	90.9	94.7	93.7	95.8	94.3	97.6	94.6	89.5	87.9	90.7	93.7	89.8	91.4	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	97.1	87.7	88.0	91.9	92.8	91.3	93.2	97.5	93.7	92.9	92.9	93.4	90.7	90.9

CQS: 91.9



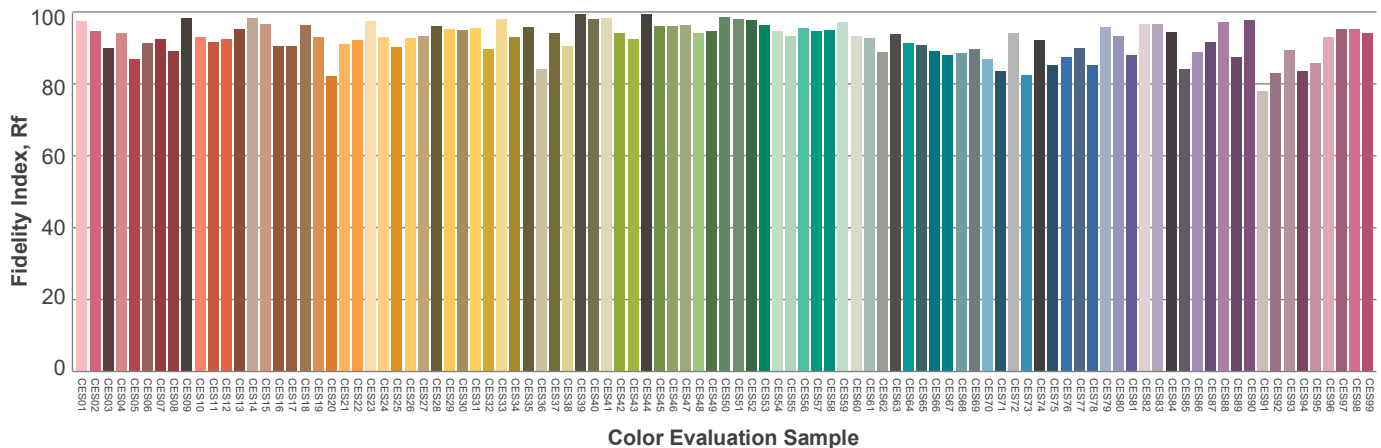
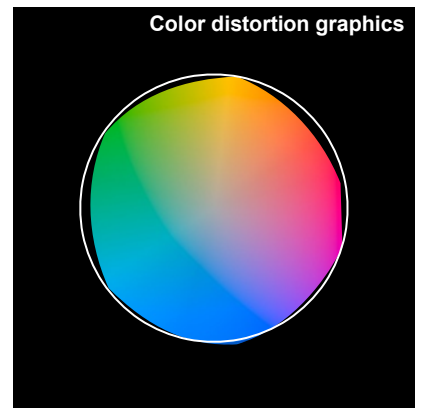
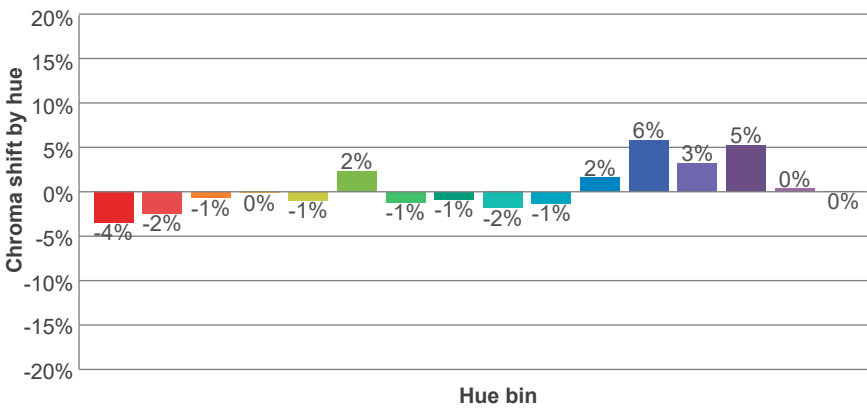
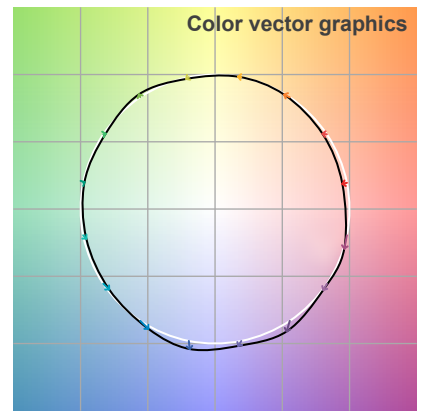
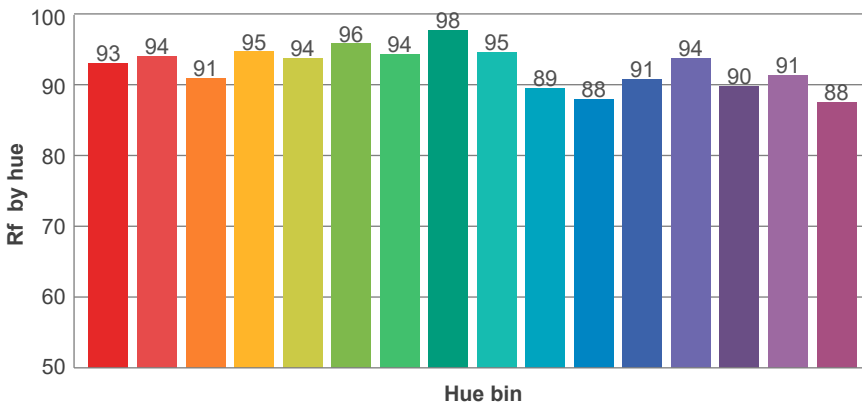
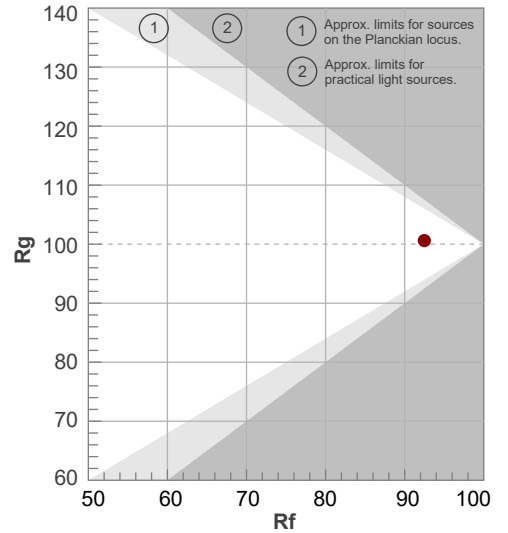
Color parameters

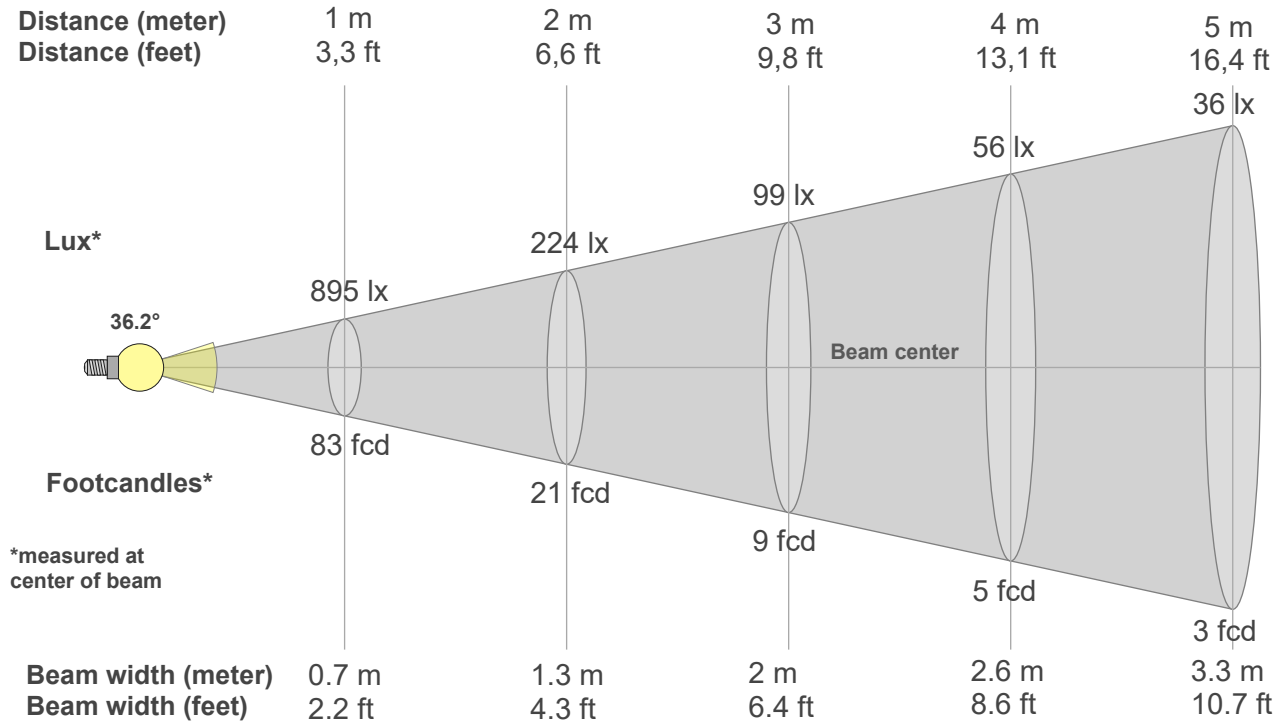
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
3010 K	94.5	72.5	92.5	100.6	91.9	0.428	0.397	0.248	0.345	-0.0015

R_f 92.5
Fidelity index R_f

R_g 100.6
Gamut index R_g

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-2%	2%
3	91	-1%	5%
4	95	0%	2%
5	94	-1%	2%
6	96	2%	0%
7	94	-1%	-1%
8	98	-1%	-1%
9	95	-2%	3%
10	89	-1%	6%
11	88	2%	8%
12	91	6%	2%
13	94	3%	-3%
14	90	5%	-6%
15	91	0%	-5%
16	88	0%	-10%





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
895lx	224lx	99lx	56lx	36lx	25lx	18lx	14lx	11lx	9lx	7lx	6lx	5lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx
83.1fcd	20.8fcd	9.2fcd	5.2fcd	3.3fcd	2.3fcd	1.7fcd	1.3fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd

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°
895	943	1006	1054	1089	1109	1113	1094	1055	1001	933	856	774	692	613	540	475	419	371	329
100%	105%	112%	118%	122%	124%	124%	122%	118%	112%	104%	96%	87%	77%	69%	60%	53%	47%	41%	37%

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°
895	952	917	867	808	745	678	610	543	479	419	362	309	264	225	190	161	137	118	101
100%	106%	102%	97%	90%	83%	76%	68%	61%	54%	47%	40%	35%	30%	25%	21%	18%	15%	13%	11%

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°
895	742	650	566	490	421	357	297	243	199	161	127	99	76	59	45	34	26	19	15
100%	83%	73%	63%	55%	47%	40%	33%	27%	22%	18%	14%	11%	9%	7%	5%	4%	3%	2%	2%

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°
895	956	923	873	814	749	682	613	545	479	418	361	308	263	223	189	160	135	115	98
100%	107%	103%	98%	91%	84%	76%	68%	61%	54%	47%	40%	34%	29%	25%	21%	18%	15%	13%	11%

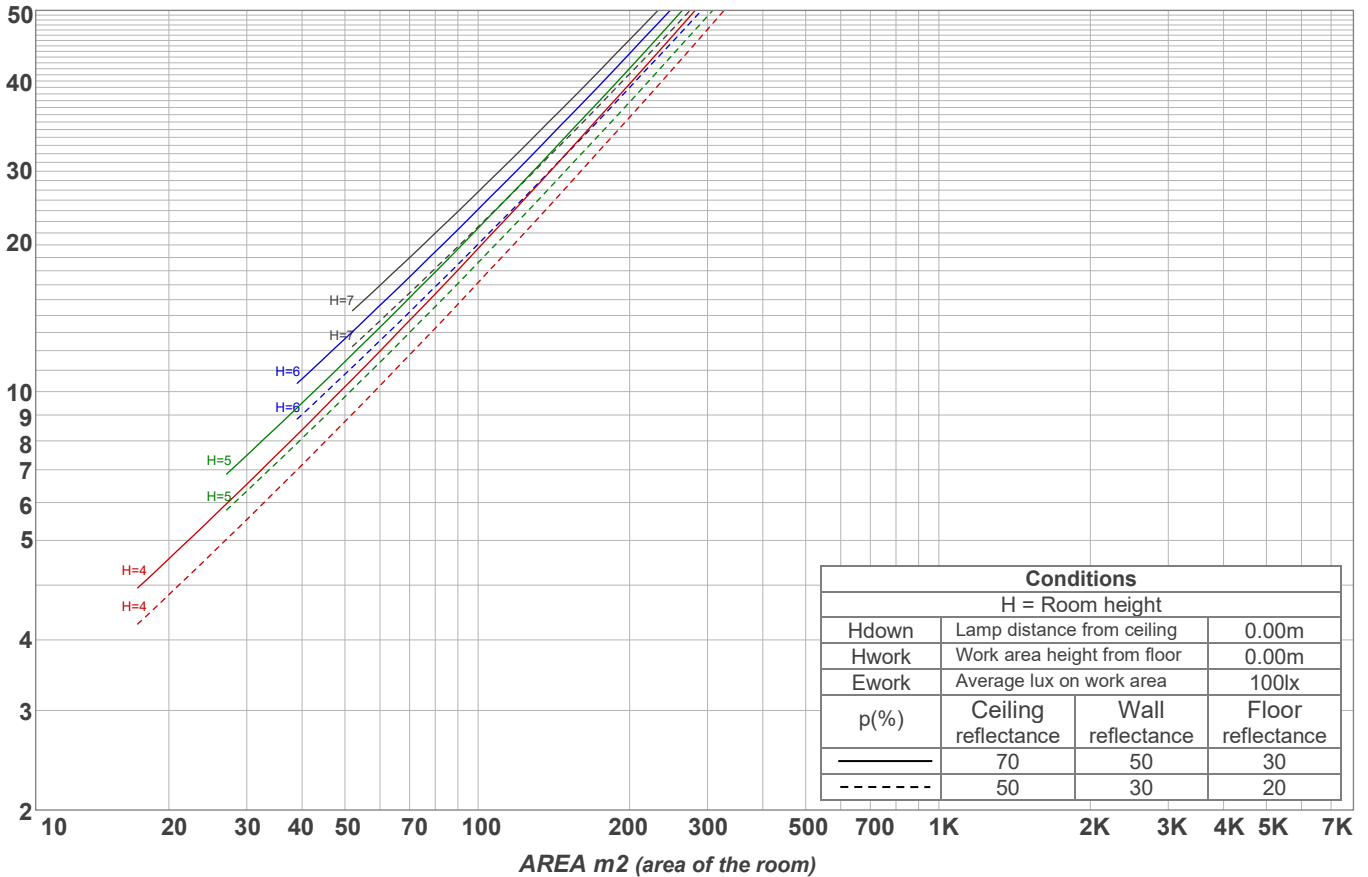
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36.2°	83.3°	119.3°	90.0%	78.8%

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	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

Luminaire budgetary diagram

LAMPS (number of lamps)



AREA m2 (area of the room)

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
78.3 lm	174 lm	164 lm	110 lm	70.7 lm	48.9 lm	35.9 lm	25.0 lm	10.4 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 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

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