PREMIER
CUSTOM LIGHTING & DECOR EST. 1983

Light efficiency:

14 Lumen/Watt

Light quality:

CRI: 84.0

Color temperature:

3951 K

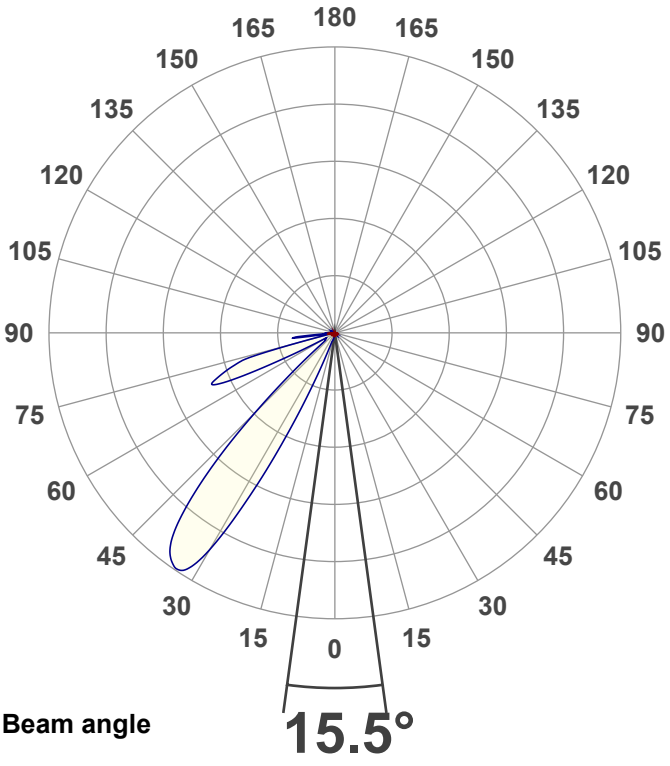
Output: 126 lm
Peak: 273 cd

Power: 8.8 W
PF: 0.97



Tracking number: VT261028-005287

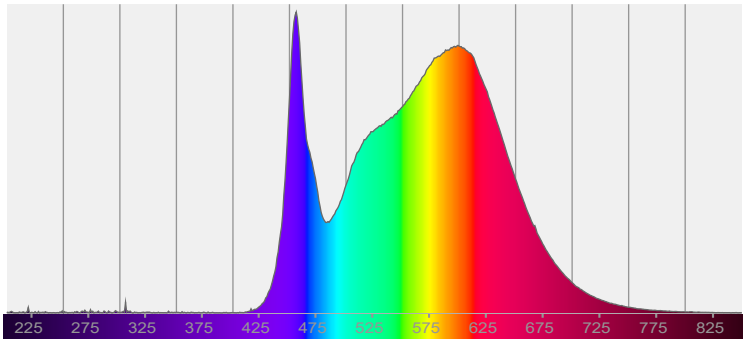
Product name:
Premier Light -- SL06 (22.5 x 12.5cm)



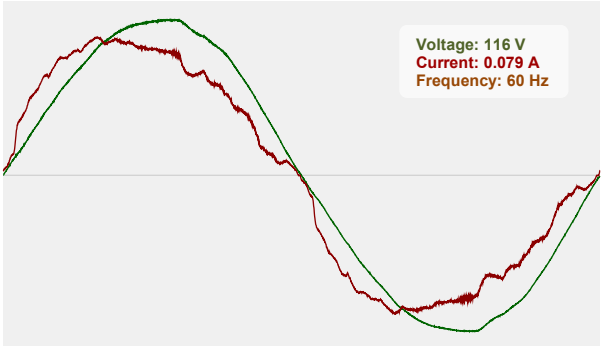
Beam angle 15.5°

CIE 1931
x: 0.385
y: 0.385

Spectra

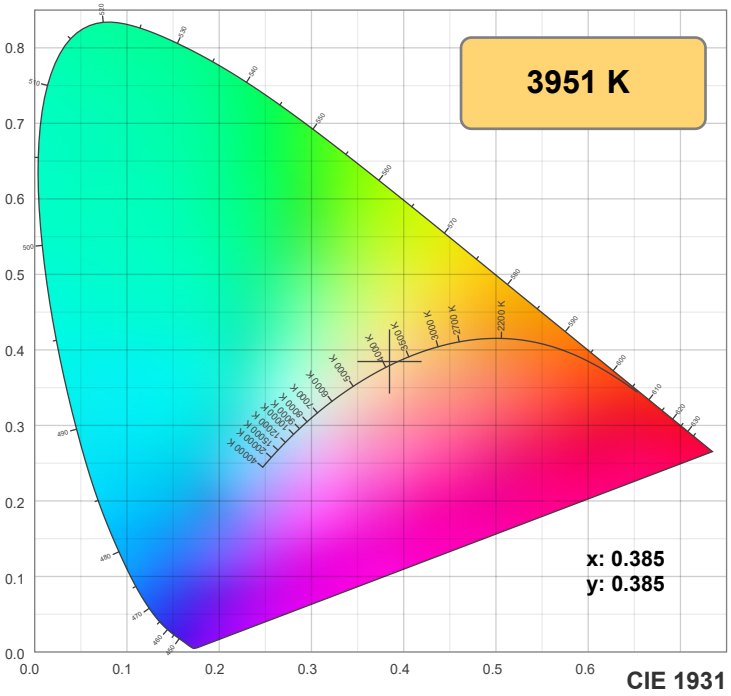


Power

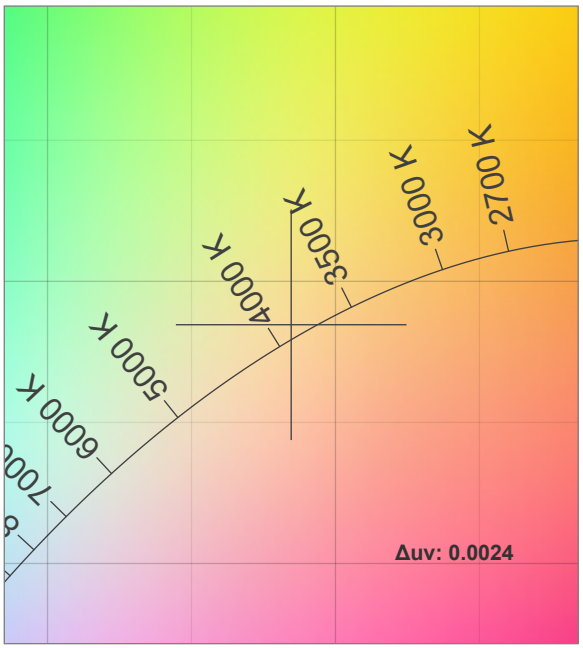


PREMIER
CUSTOM LIGHTING & DECOR EST. 1983

Color details

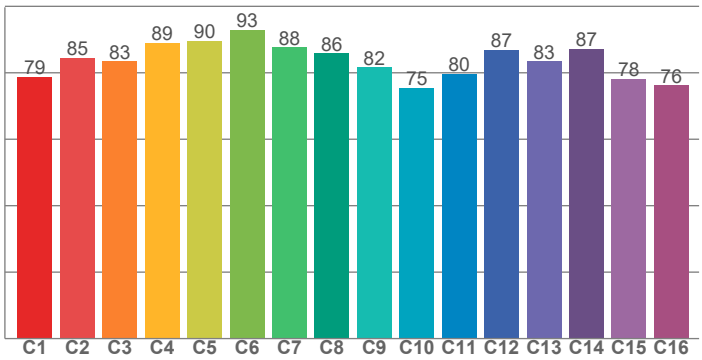


CIE 1931

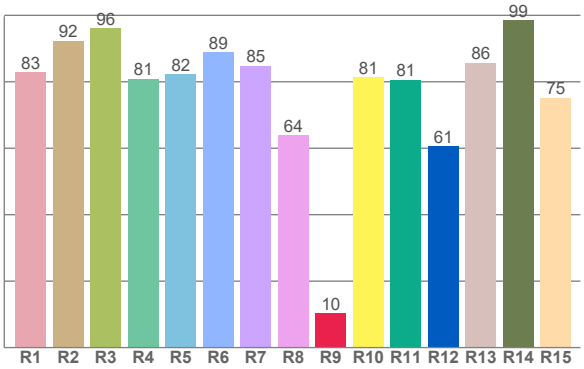


CIE 1931 ZOOM

TM-30: 83.5



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
82.9	92.3	96.2	80.9	82.2	89.0	84.9	63.9	10.4	81.3	80.6	60.6	85.7	98.5	75.2

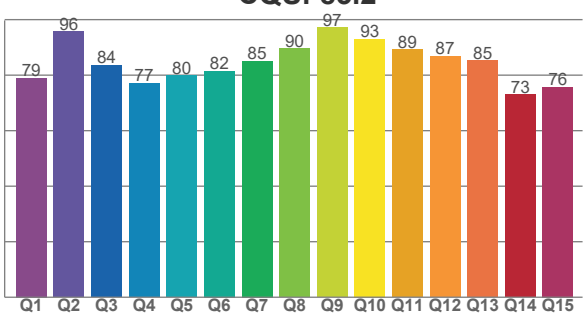
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.8	84.5	83.5	88.9	89.6	92.8	87.6	85.9	81.6	75.5	79.7	86.9	83.4	87.1	78.1	76.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	95.7	83.6	77.1	79.9	81.5	85.1	89.6	97.1	93.1	89.2	86.8	85.2	73.0	75.7

CQS: 83.2



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
3951 K	84.0	10.4	83.5	92.5	83.2	0.385	0.385	0.225	0.337	0.0024

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TM-30 details

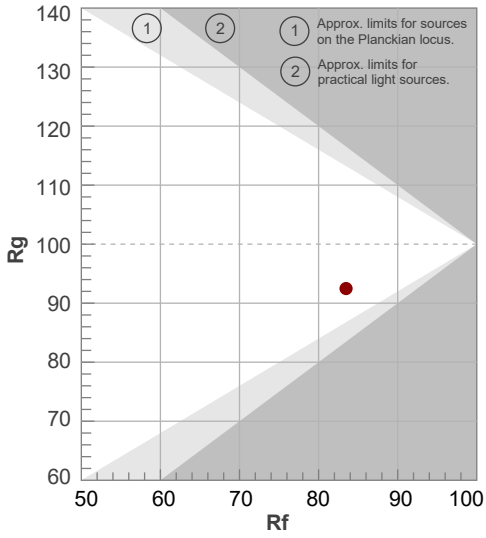
Rf 83.5

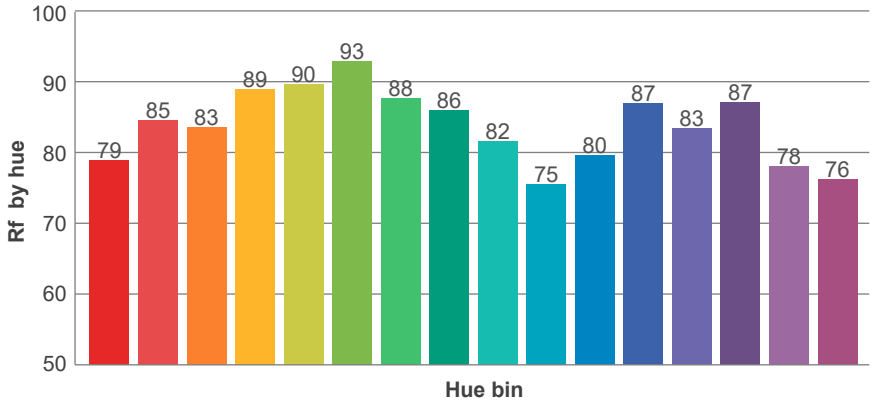
Fidelity index Rf

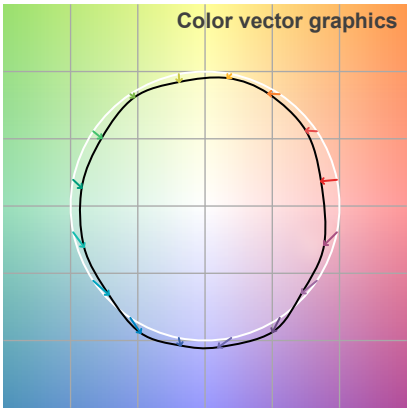
Rg 92.5

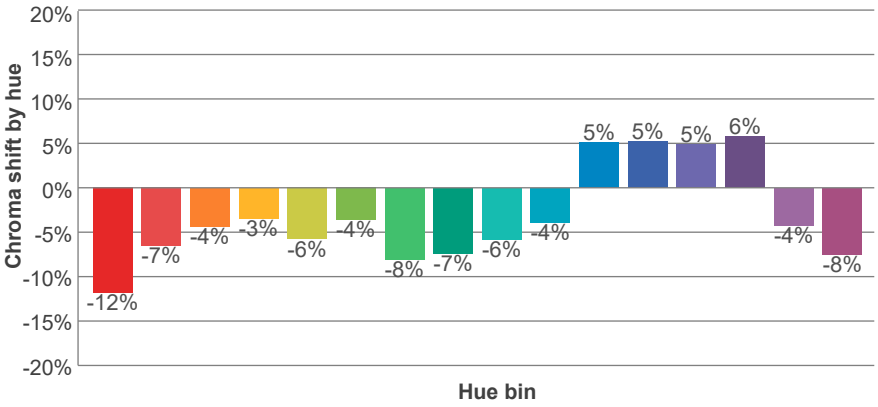
Gamut index Rg

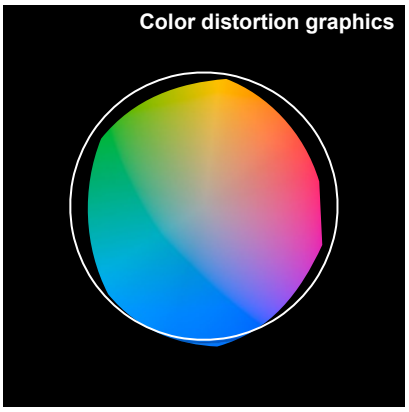
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	79	-12%	1%
2	85	-7%	5%
3	83	-4%	7%
4	89	-3%	2%
5	90	-6%	1%
6	93	-4%	-1%
7	88	-8%	1%
8	86	-7%	5%
9	82	-6%	12%
10	75	-4%	15%
11	80	5%	13%
12	87	5%	2%
13	83	5%	-11%
14	87	6%	-10%
15	78	-4%	-14%
16	76	-8%	-11%

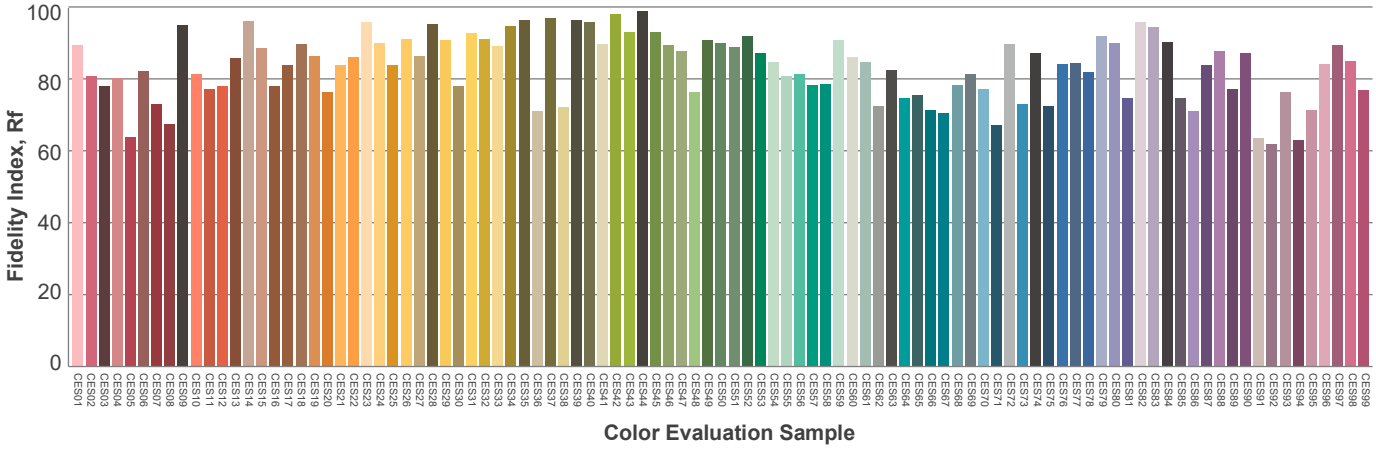




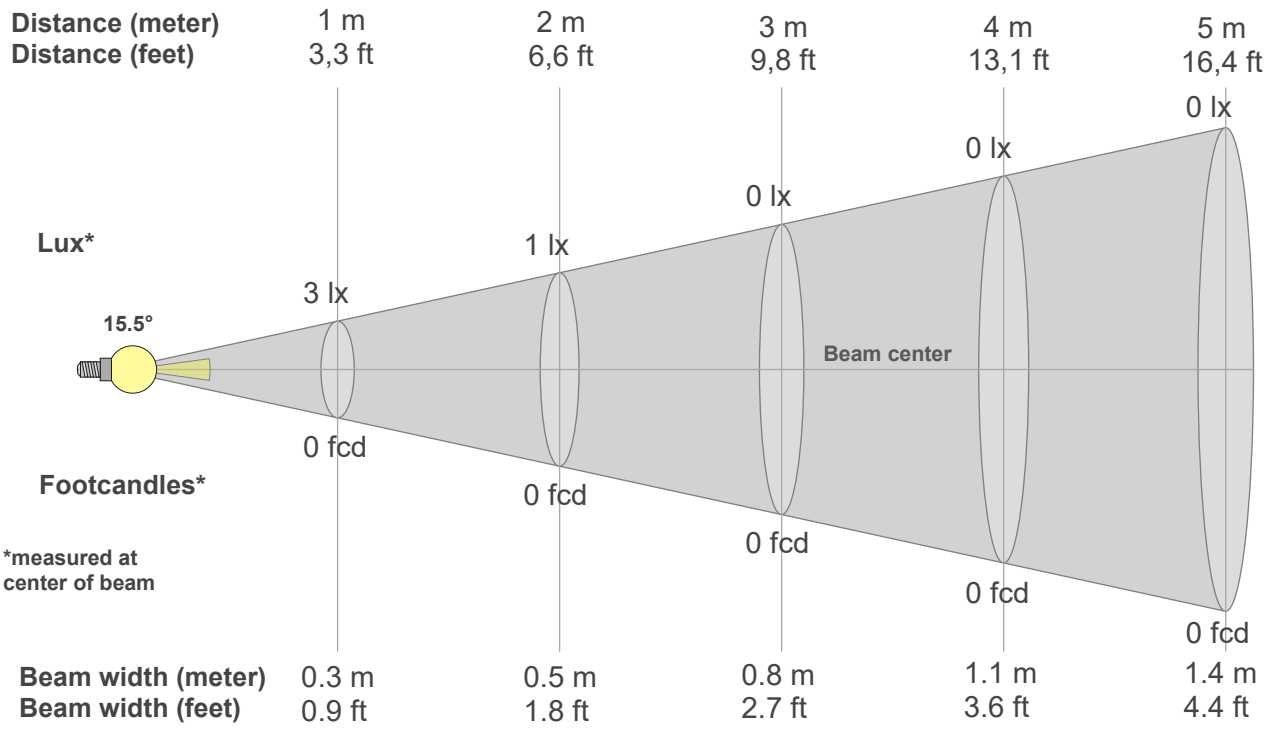








Beam details



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
3lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
0.2fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2.54	2.56	2.52	2.52	2.44	2.42	2.37	2.29	2.24	2.12	2.03	1.94	1.80	1.71	1.56	1.39	1.29	1.07	0.90	0.53
100%	101%	99%	99%	96%	95%	93%	90%	88%	84%	80%	76%	71%	67%	61%	55%	51%	42%	36%	21%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2.54	2.03	1.62	1.13	0.39	0.06	0.00	0.04	0.00	0.04	0.02	0.02	0.00	0.01	0.00	0.02	0.04	0.00	0.14	0.47
100%	80%	64%	45%	16%	2%	0%	1%	0%	2%	1%	1%	0%	0%	0%	1%	2%	0%	6%	18%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2.54	2.58	2.53	2.49	2.45	2.45	2.38	2.34	2.31	2.24	2.13	2.05	1.97	1.92	1.79	2.44	4.98	2.05	2.22	0.88
100%	101%	99%	98%	97%	96%	94%	92%	91%	88%	84%	81%	78%	75%	70%	96%	196%	81%	87%	35%

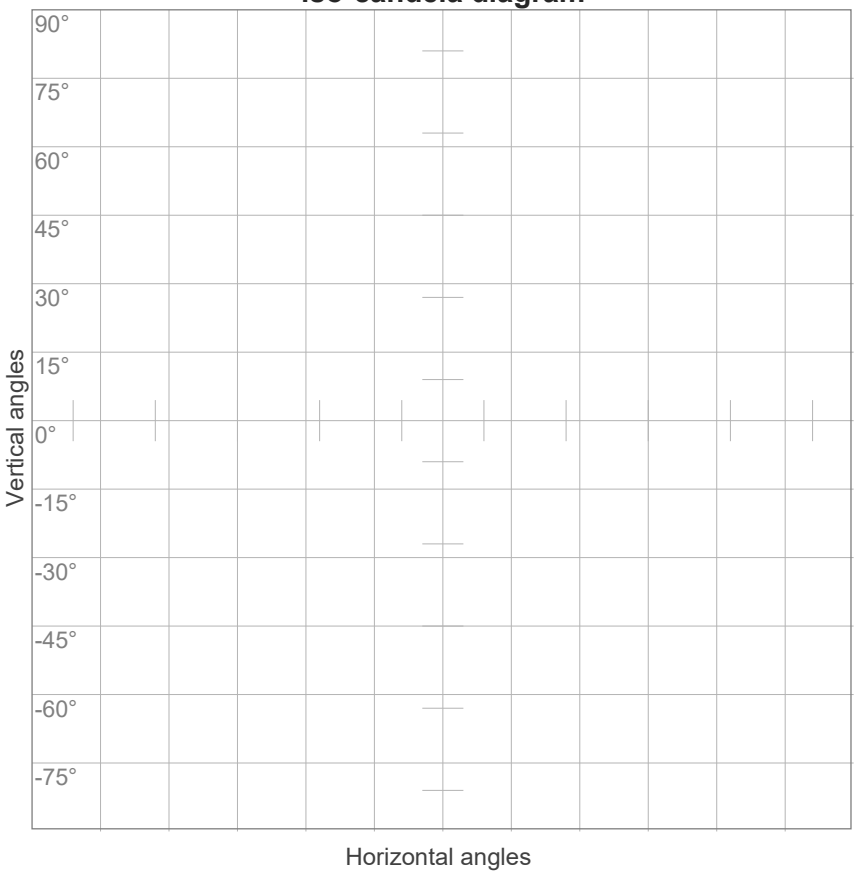
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
3	3	5	7	16	104	240	271	229	108	17	12	10	99	115	41	7	10	8	0
100%	127%	186%	288%	614%	4079%	9447%	10666%	9000%	4262%	667%	457%	410%	3880%	4532%	1596%	262%	400%	314%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.5°	126.6°	136.8°	65.6%	58.3%

Iso Diagrams

iso-candela diagram



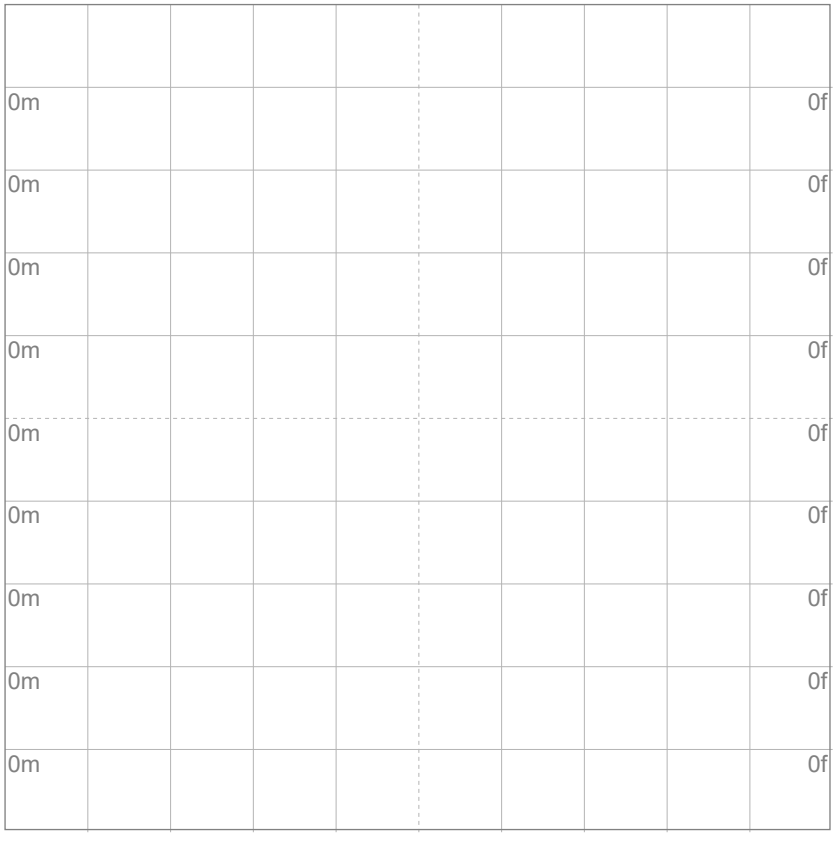
10%	0 cd
20%	1 cd
30%	1 cd
40%	1 cd
50%	1 cd
60%	2 cd
70%	2 cd
80%	2 cd
90%	2 cd

Conditions:

Number of c-planes: 4

Candela at center: 3 cd

iso-lux diagram



3%	762u lx
5%	1.27m lx
10%	2.54m lx
30%	7.62m lx
50%	12.7m lx

Conditions:

Number of c-planes: 4

Lux at center: 25.4m lx

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

Glare evaluation according to UGR

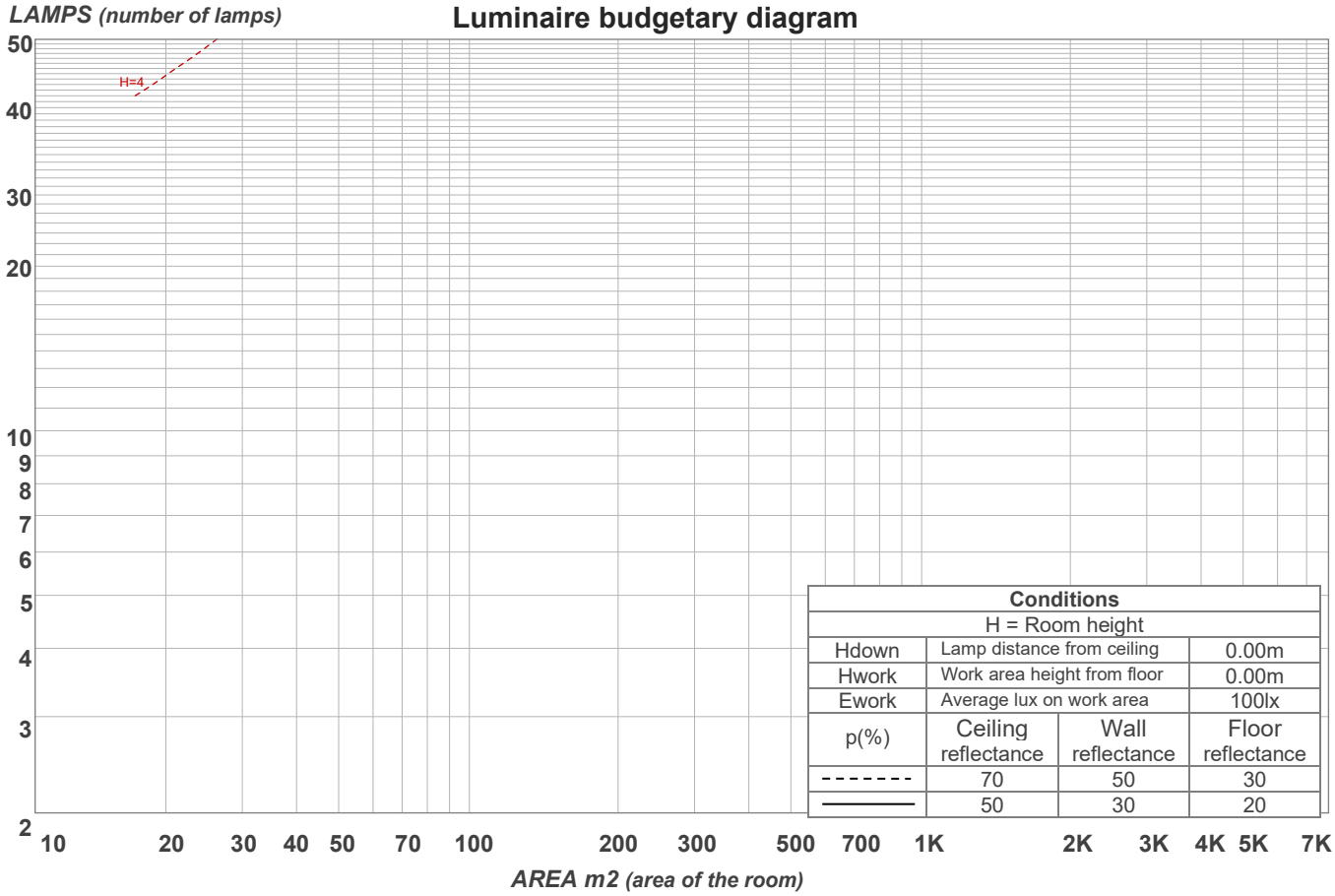
p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p Floor	20	20	20	20	20	20	20	20	20	20
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	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
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				
CIE 117-1995. Corrected glare indices referring to 126 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	110	110	110	105	105	105	101	101	101	99
1	106	100	95	91	103	98	93	89	93	90	86	89	86	83	85	83	80	78
2	95	86	78	71	92	84	77	71	80	74	69	76	71	67	73	69	65	63
3	86	74	65	58	83	73	64	57	69	62	56	66	60	55	64	58	54	51
4	78	65	56	48	76	64	55	48	61	53	47	58	52	46	56	50	45	43
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	44	39	36
6	66	51	42	35	64	50	41	35	48	40	34	46	39	34	45	38	33	31
7	61	46	37	30	59	45	36	30	43	35	29	42	35	29	40	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	36	30	25	23
9	52	37	29	23	50	37	28	23	35	28	22	34	27	22	33	27	22	20
10	48	34	25	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17

Luminaire budgetary diagram



Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
{LUM0-10}	0.990 lm	14.4 lm	41.6 lm	22.1 lm	3.39 lm	21.5 lm	14.8 lm	5.66 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
1.01 lm	0.111 lm	0.188 lm	0.137 lm	0.062 lm	0.043 lm	0.009 lm	0.001 lm	0.000 lm

Road report

LCS table

BUG rating:	B0 U1 G0	
Forward light	Lumens	Lumens %
Low(0-30):	15.1	11.9%
Medium(30-60):	65.9	52.2%
High(60-80):	35.2	27.8%
Very high(80-90):	5	3.9%
Back light		
Low(0-30):	0.6	0.5%
Medium(30-60):	1.2	1%
High(60-80):	1.1	0.9%
Very high(80-90):	0.7	0.5%
Uplight		
Low(90-100):	1	0.8%
High(100-180):	0.6	0.4%

LCS graph

