

## SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 20Wm 5700K 95 1M



Fluxo luminoso – 1078 lm/m

Potência – 20,3 W/m

Intensidade pico – 436cd

CCT – 5724K

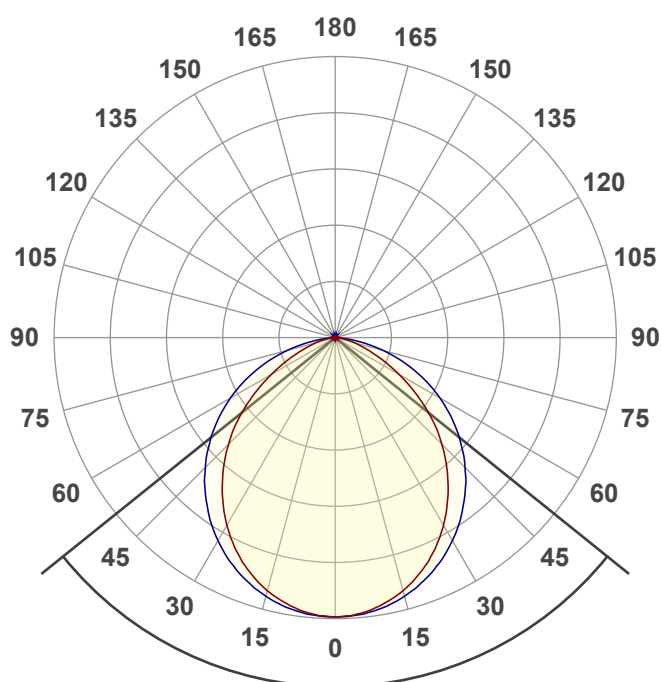


IRC – 97,2

Coordenada CIE 1931 – x- 0,328 y- 0,341

Data do ensaio

02/09/2024 10:02:08



Facho de abertura

**102,4°**

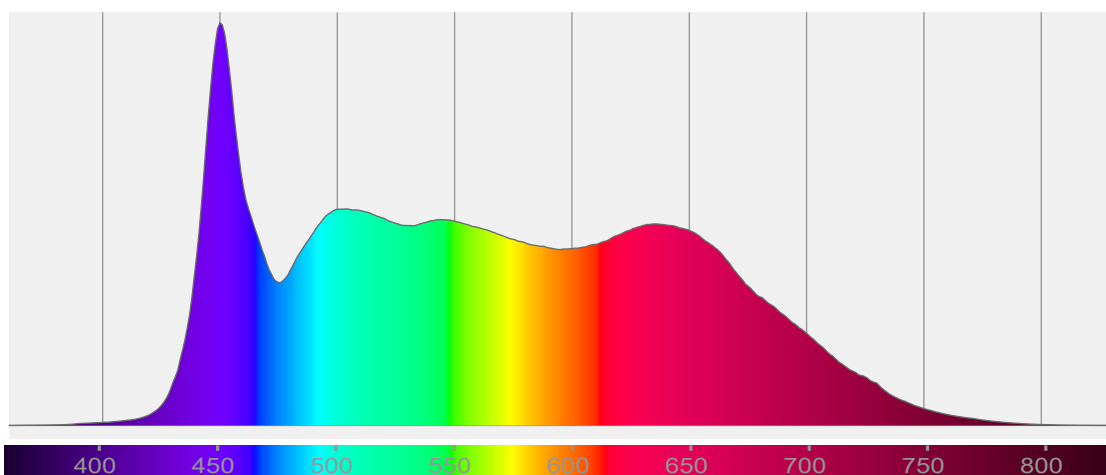
**Rf 94,0**

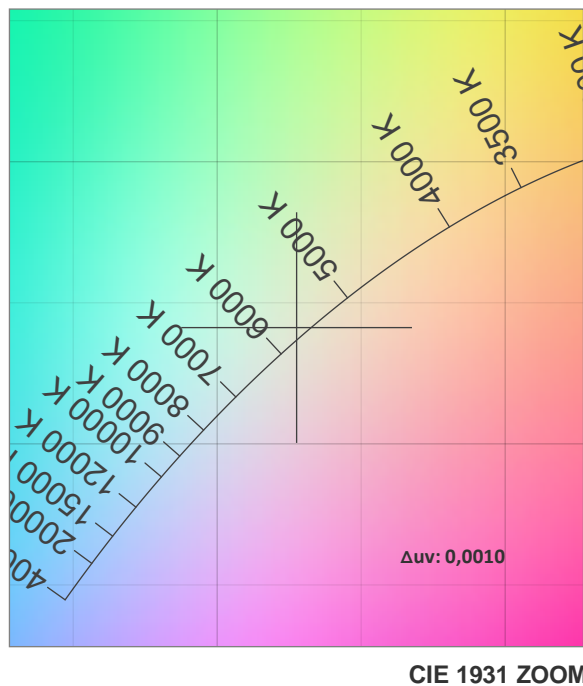
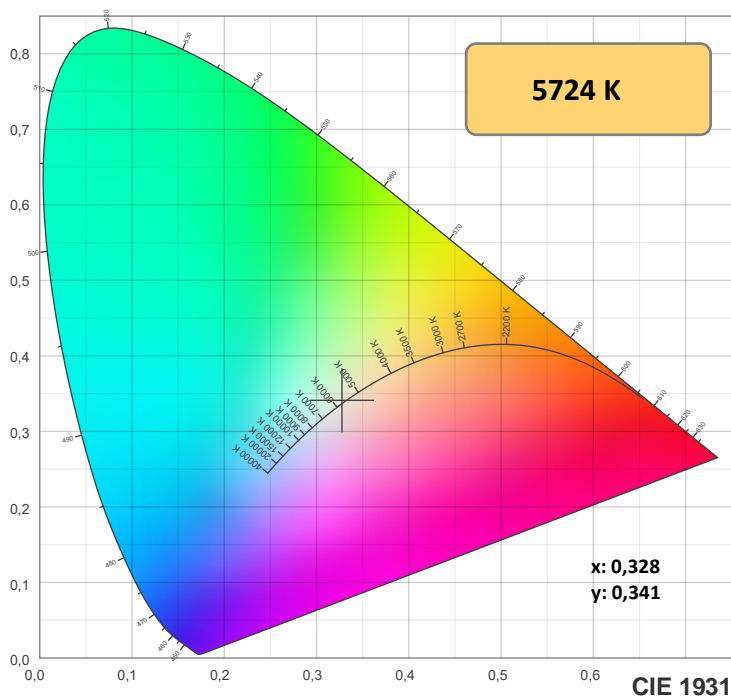
Fidelity index Rf

**Rg 101,3**

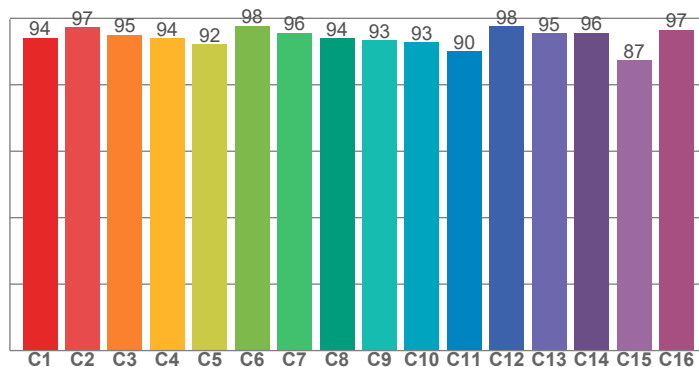
Gamut index Rg

		Shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	94	2%	0%
2	97	1%	-1%
3	95	0%	-2%
4	94	-2%	-3%
5	92	-5%	-2%
6	98	-1%	1%
7	96	-1%	2%
8	94	-1%	4%
9	93	0%	6%
10	93	1%	4%
11	90	3%	5%
12	98	1%	0%
13	95	3%	0%
14	96	1%	0%
15	87	9%	-5%
16	97	1%	0%

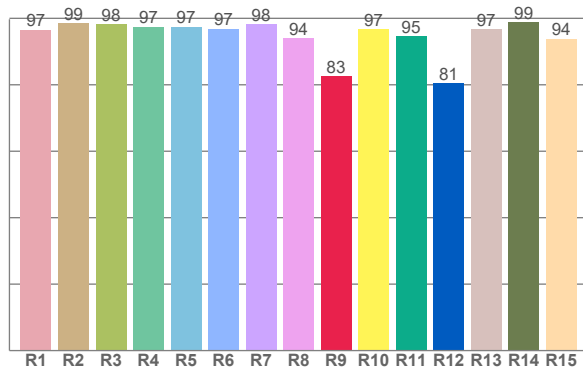




TM-30: 94,0



CRI: 97,2 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,5	98,5	98,2	97,4	97,4	96,9	98,2	94,0	82,6	96,7	94,6	80,6	96,8	98,8	93,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,1	97,3	95,0	94,0	92,2	97,8	95,6	93,9	93,4	92,8	90,0	97,6	95,4	95,7	87,4	96,5

## Parametros de cor

Temperatura de cor	Índice de reprodução de cor	Reprodução de cor vermelho R9	Color fidelity	Color gamut	Color quality scale	Coordenada de cor cie 1931	Coordenada de cor cie 1931	Coordenada de cor	Coordenada de cor	Color deviation from black body
CCT	IRC	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
5724 K	97,2	82,6	94,0	101,3	97,1	0,328	0,341	0,203	0,318	0,0010

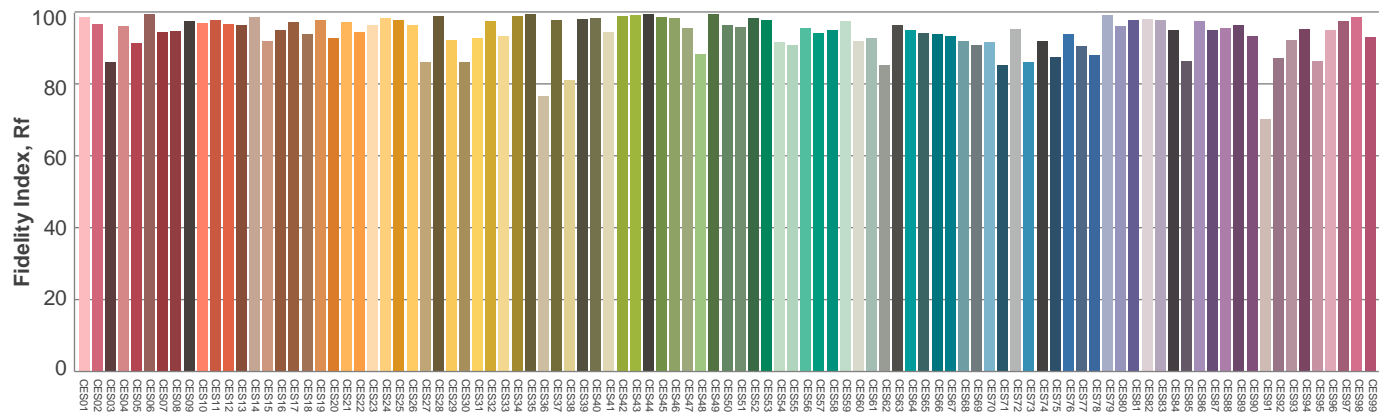
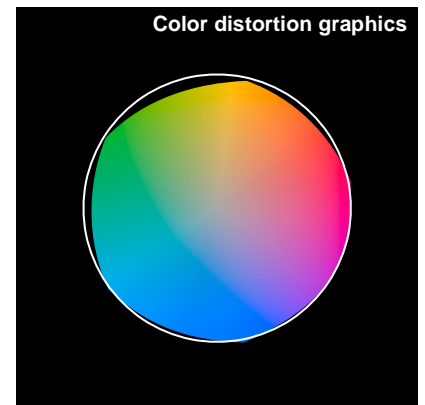
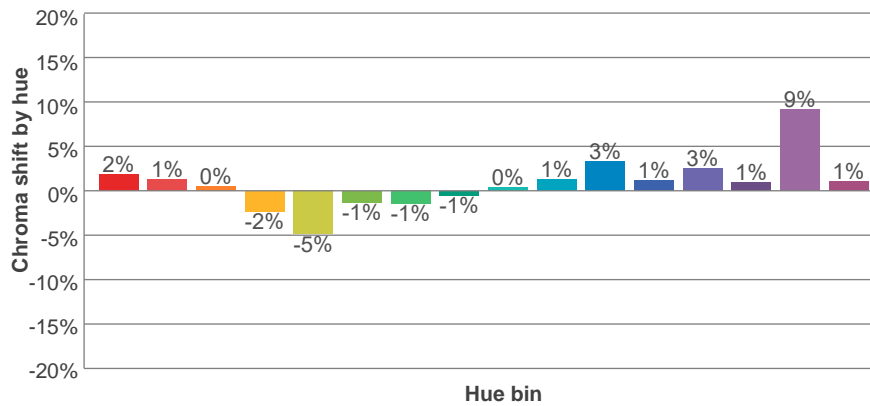
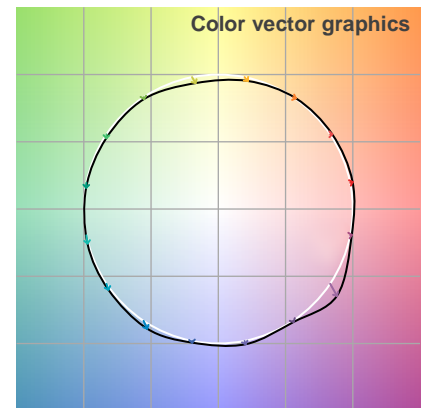
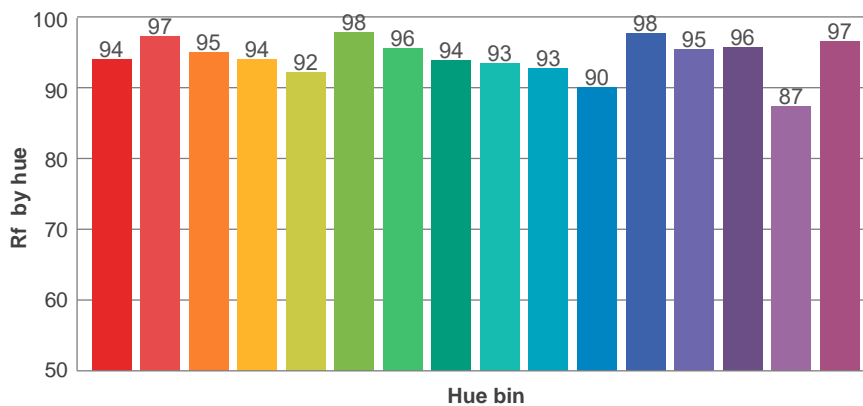
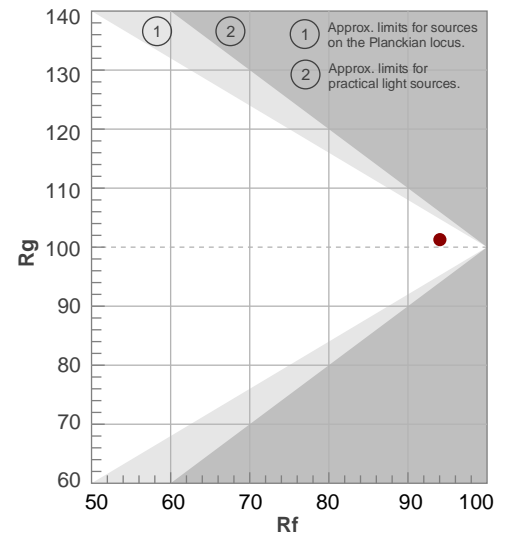
**Rf 94,0**

Fidelity index Rf

**Rg 101,3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	2%	0%
2	97	1%	-1%
3	95	0%	-2%
4	94	-2%	-3%
5	92	-5%	-2%
6	98	-1%	1%
7	96	-1%	2%
8	94	-1%	4%
9	93	0%	6%
10	93	1%	4%
11	90	3%	5%
12	98	1%	0%
13	95	3%	0%
14	96	1%	0%
15	87	9%	-5%
16	97	1%	0%



Glare Evaluation According to UGR

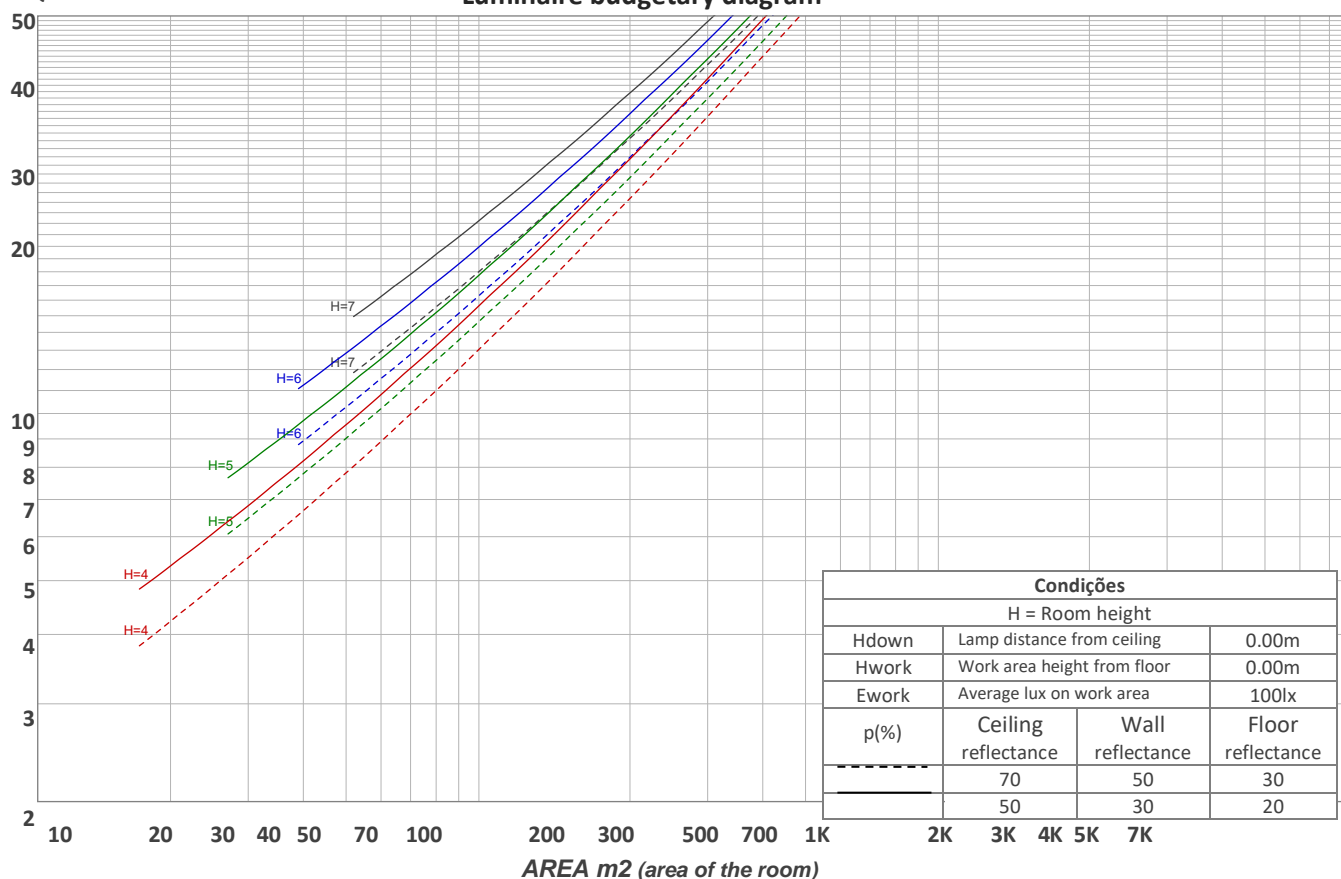
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	21,3	22,4	21,5	22,7	22,9	23,1	24,2	23,3	24,5	24,7
	3H	21,9	23,1	22,3	23,4	23,6	24,5	25,7	24,9	25,9	26,1
	4H	22,1	23,2	22,5	23,5	23,8	25,0	26,2	25,5	26,5	26,7
	6H	22,3	23,3	22,6	23,6	23,9	25,5	26,5	25,8	26,7	27,1
	8H	22,3	23,3	22,6	23,6	24,0	25,6	26,5	25,9	26,8	27,2
	12H	22,3	23,2	22,6	23,5	24,0	25,6	26,5	25,9	26,8	27,3
4H	2H	21,9	23,0	22,3	23,3	23,6	23,3	24,5	23,8	24,8	25,0
	3H	22,8	23,7	23,2	24,1	24,5	25,1	26,0	25,4	26,3	26,8
	4H	23,0	23,8	23,4	24,3	24,8	25,7	26,5	26,1	26,9	27,5
	6H	23,2	24,0	23,7	24,3	24,7	26,1	26,9	26,6	27,3	27,6
	8H	23,2	23,9	23,7	24,3	24,7	26,2	27,0	26,7	27,3	27,7
	12H	23,2	23,8	23,7	24,2	24,7	26,3	26,9	26,8	27,3	27,8
8H	4H	23,2	24,0	23,7	24,3	24,7	25,7	26,4	26,2	26,8	27,2
	6H	23,5	24,1	24,0	24,5	25,1	26,2	26,8	26,7	27,3	27,8
	8H	23,6	24,1	24,1	24,6	25,2	26,4	26,9	26,9	27,4	28,1
	12H	23,6	24,0	24,2	24,5	25,1	26,5	26,9	27,1	27,4	28,0
12H	4H	23,2	23,8	23,7	24,3	24,7	25,7	26,3	26,2	26,7	27,2
	6H	23,6	24,0	24,1	24,6	25,2	26,2	26,7	26,8	27,2	27,9
	8H	23,6	24,0	24,2	24,6	25,2	26,4	26,8	27,0	27,3	27,9
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,2 / -0,3					0,1 / -0,1				
S = 1.5H		0,5 / -0,9					0,2 / -0,3				
S = 2.0H		1,1 / -1,7					0,6 / -0,8				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1078 lm total luminous flux											

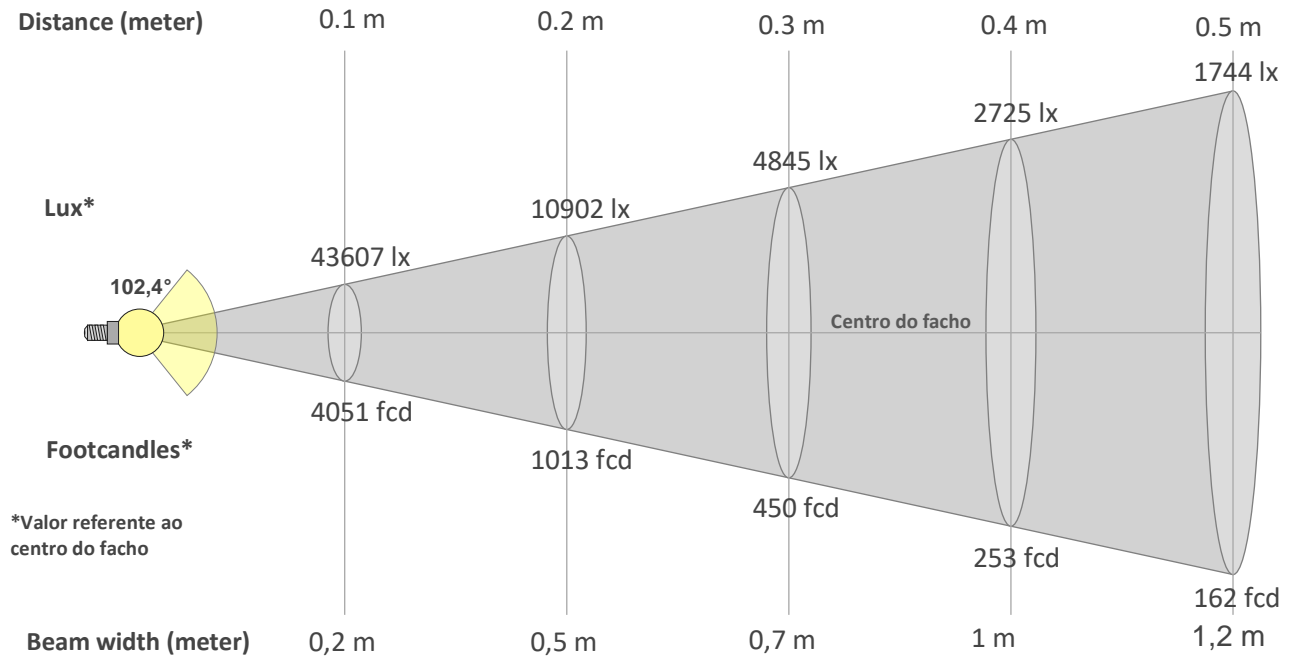
**Coeficiente de utilização**

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

**Quantidade de luminárias**

**Luminaire budgetary diagram**





### 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
436lx	109lx	48lx	27lx	17lx	12lx	9lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx
40,5fcd	10,1fcd	4,5fcd	2,5fcd	1,6fcd	1,1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

### 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°
436	433	423	409	390	366	338	306	272	235	197	156	115	80	51	32	16	4	0	0
100%	99%	97%	94%	89%	84%	78%	70%	62%	54%	45%	36%	26%	18%	12%	7%	4%	1%	0%	0%

### 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°
436	434	428	418	404	387	366	342	316	287	256	224	189	153	115	78	42	14	1	1
100%	100%	98%	96%	93%	89%	84%	79%	72%	66%	59%	51%	43%	35%	26%	18%	10%	3%	0%	0%

### Intensities in 180° c-plane

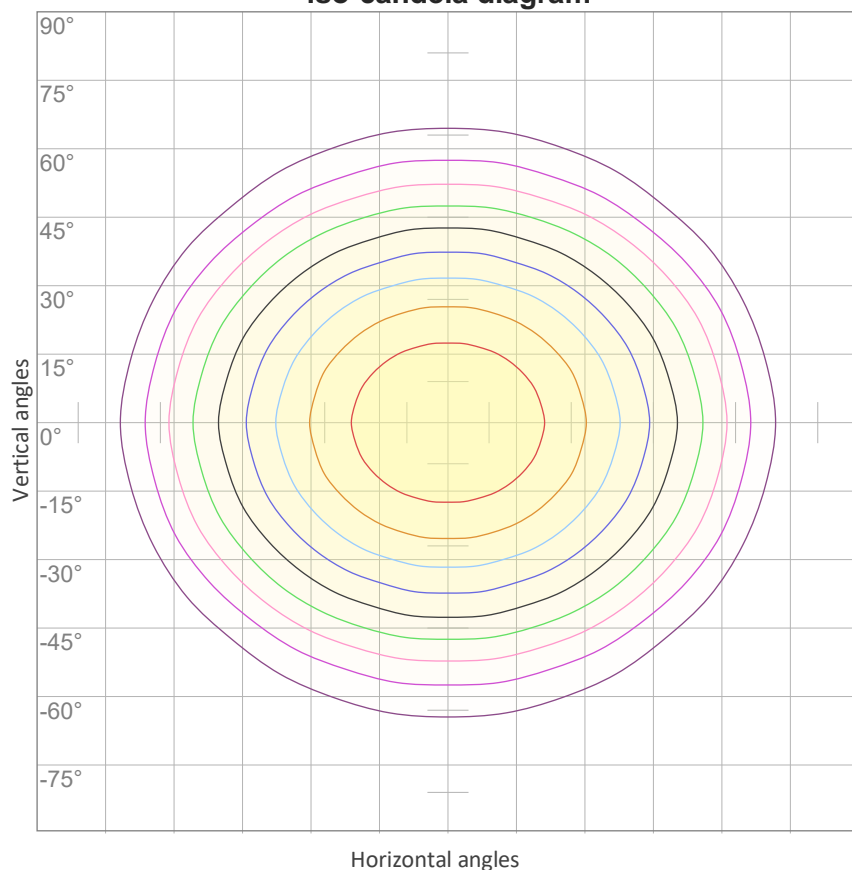
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
436	433	423	409	390	366	338	306	272	235	197	156	115	80	51	32	16	4	0	0
100%	99%	97%	94%	89%	84%	78%	70%	62%	54%	45%	36%	26%	18%	12%	7%	4%	1%	0%	0%

### 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°
436	434	428	418	404	387	366	342	316	287	256	224	189	153	115	78	42	14	1	1
100%	100%	98%	96%	93%	89%	84%	79%	72%	66%	59%	51%	43%	35%	26%	18%	10%	3%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,4°	150,2°	167,4°	83,7%	59,0%

**iso-candela diagram**



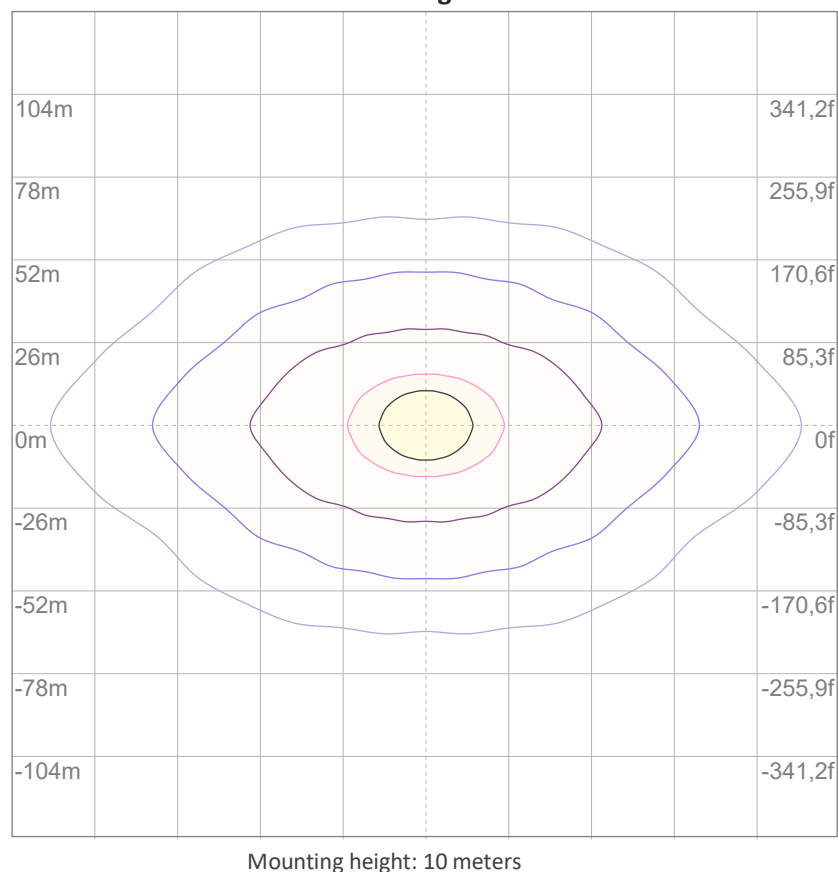
10%	44 cd
20%	87 cd
30%	131 cd
40%	174 cd
50%	218 cd
60%	262 cd
70%	305 cd
80%	349 cd
90%	392 cd

Conditions:

Number of c-planes: 16

Candela at center: 436 cd

**iso-lux diagram**



3%	0,131 lx
5%	0,218 lx
10%	0,436 lx
30%	1,31 lx
50%	2,18 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,36 lx

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

**Potência**



**Vttagem: 212 V**  
**Corrente: 0,096 A**  
**Frequência: 0 Hz**  
**FP: 1,0**

**THD**



**THD corrente: n/a**  
**THD tensão: n/a**