

## 9002N SLED9002N BRANCA FITA 15WM 5700K 95 -1m



Luminária linear de embutir em forro de gesso ou Dry-wall com iluminação difusa. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 516 lm/m

Potência – 15,1 W/m

Intensidade pico – 202cd

CCT – 5560K



IRC – 97,1

Coordenada CIE 1931 – x- 0,331 y- 0,344

A x L - 31x29

Peso - 0,35kg/m

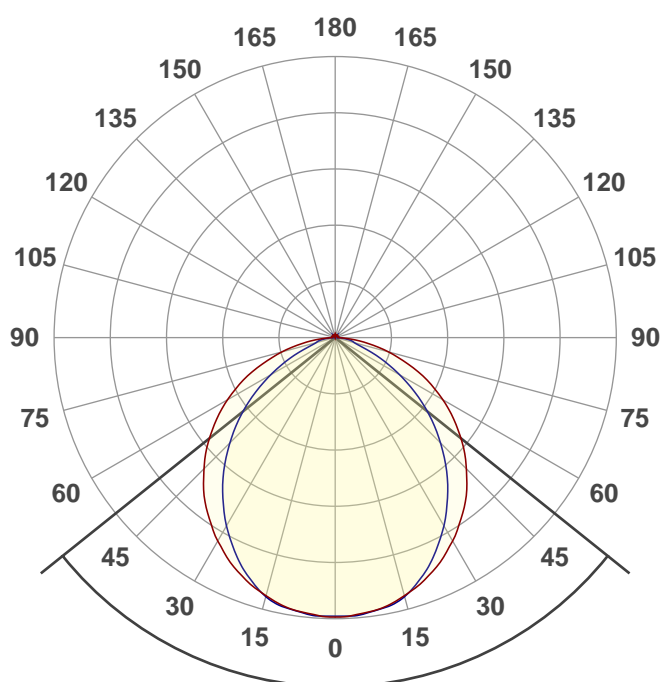
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

10/03/2022 13:42:35



Facho de abertura

**102,6°**

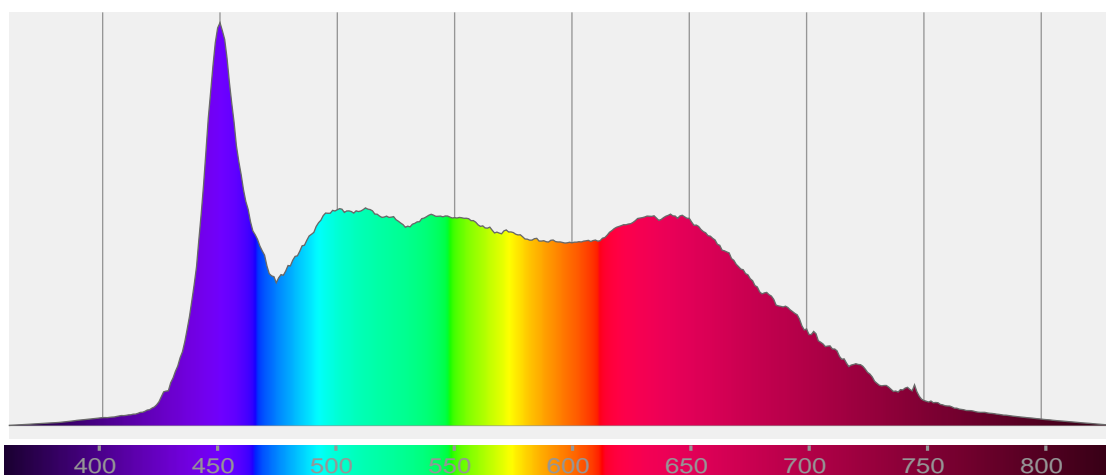
**Rf 94,5**

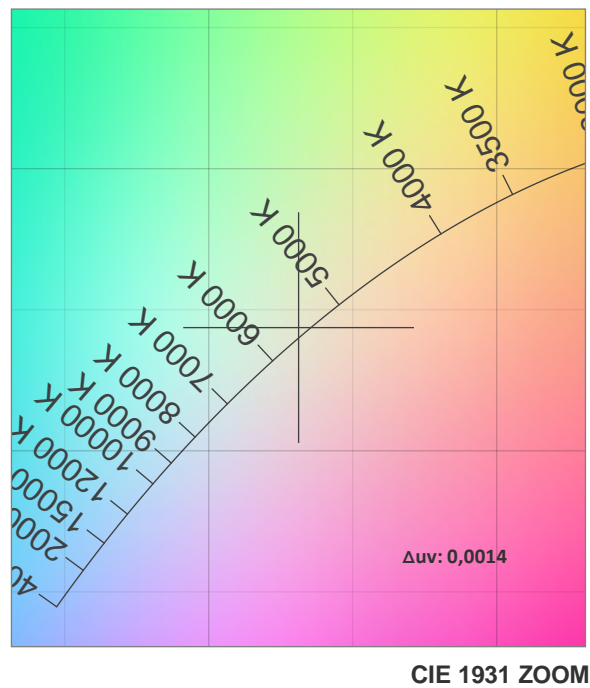
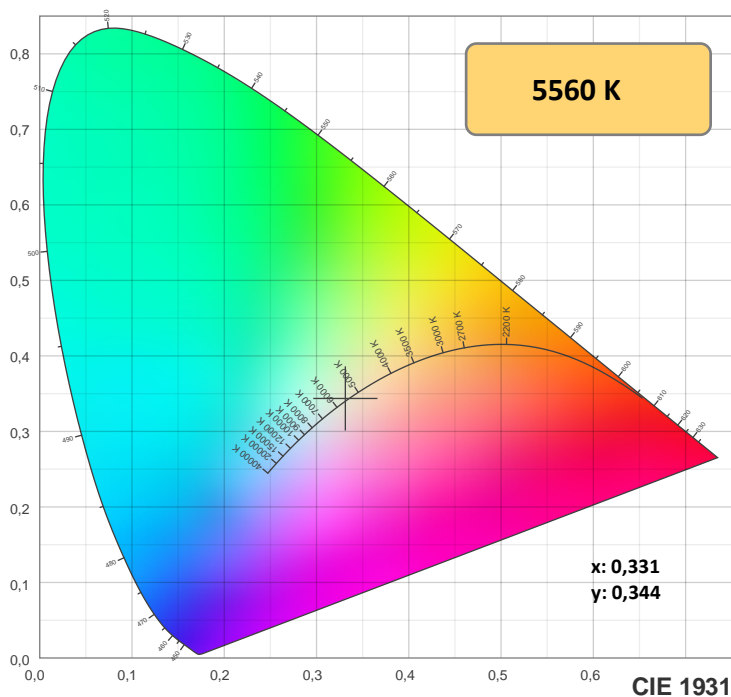
Fidelity index Rf

**Rg 101,4**

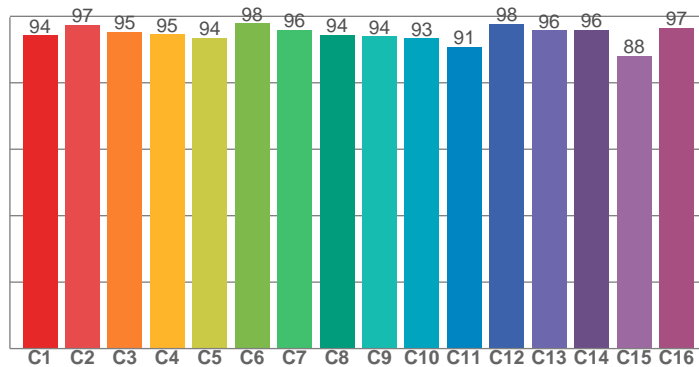
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	2%	0%
2	97	1%	-1%
3	95	1%	-2%
4	95	-2%	-3%
5	94	-4%	-1%
6	98	-1%	1%
7	96	-1%	2%
8	94	0%	3%
9	94	0%	6%
10	93	1%	4%
11	91	3%	5%
12	98	1%	0%
13	96	2%	0%
14	96	1%	0%
15	88	9%	-4%
16	97	1%	0%

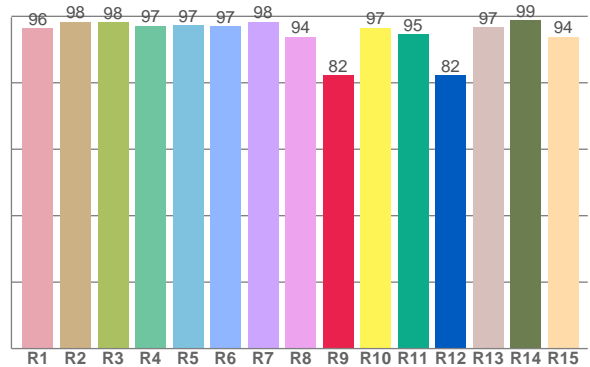




TM-30: 94,5



CRI: 97,1 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,4	98,4	98,1	97,2	97,3	97,0	98,3	93,9	82,3	96,6	94,5	82,2	96,7	98,8	93,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	97,4	95,4	94,6	93,5	97,9	95,9	94,4	94,0	93,4	90,7	97,8	95,8	95,9	88,2	96,6

## 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	Δuv
5560 K	97,1	82,3	94,5	101,4	97,3	0,331	0,344	0,205	0,319	0,0014

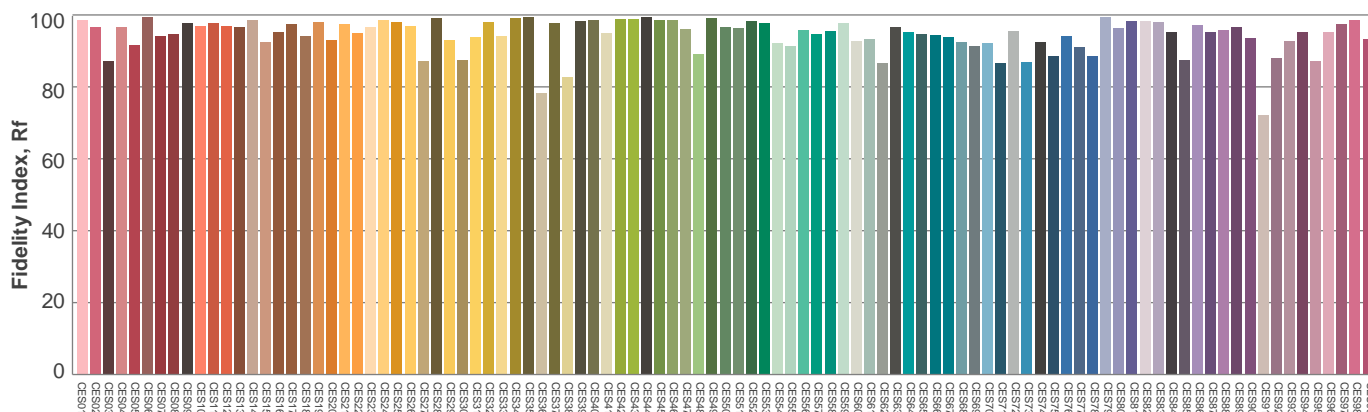
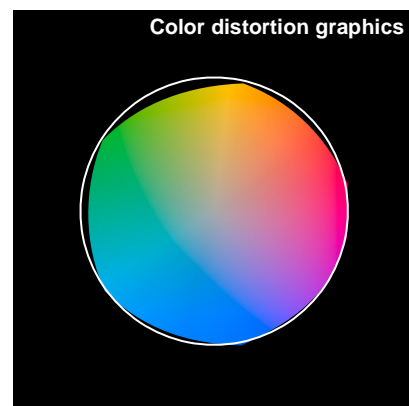
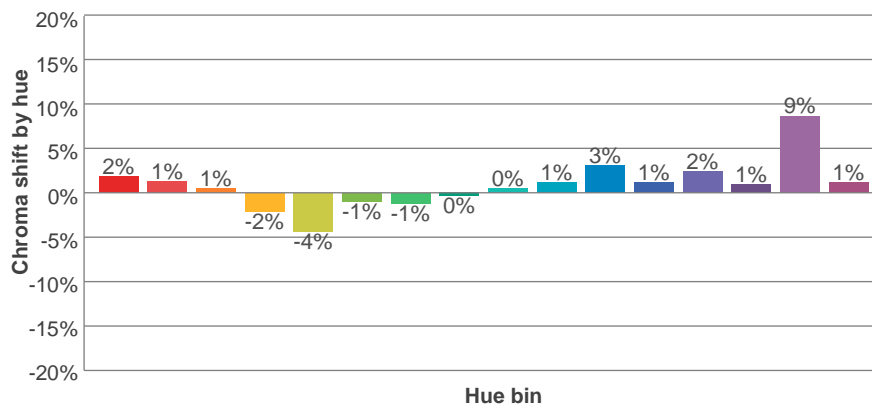
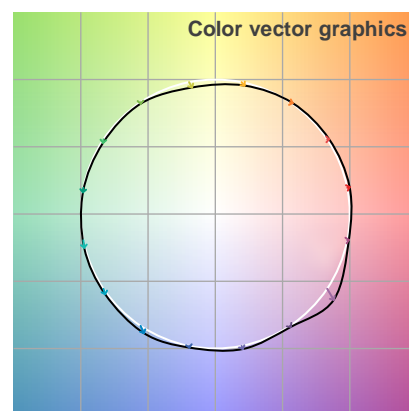
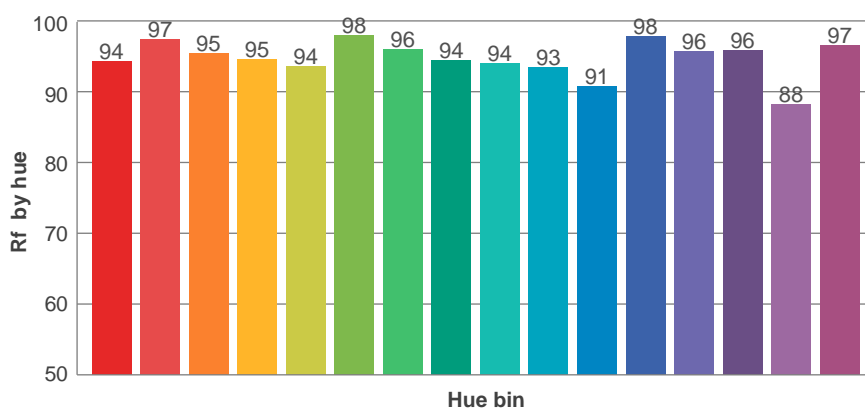
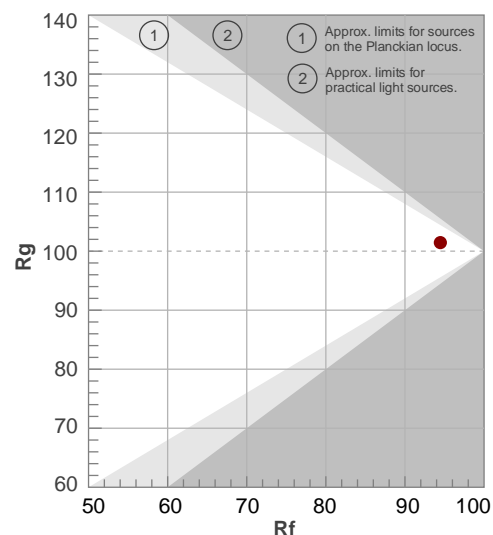
**Rf 94,5**

Fidelity index Rf

**Rg 101,4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	2%	0%
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4	95	-2%	-3%
5	94	-4%	-1%
6	98	-1%	1%
7	96	-1%	2%
8	94	0%	3%
9	94	0%	6%
10	93	1%	4%
11	91	3%	5%
12	98	1%	0%
13	96	2%	0%
14	96	1%	0%
15	88	9%	-4%
16	97	1%	0%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

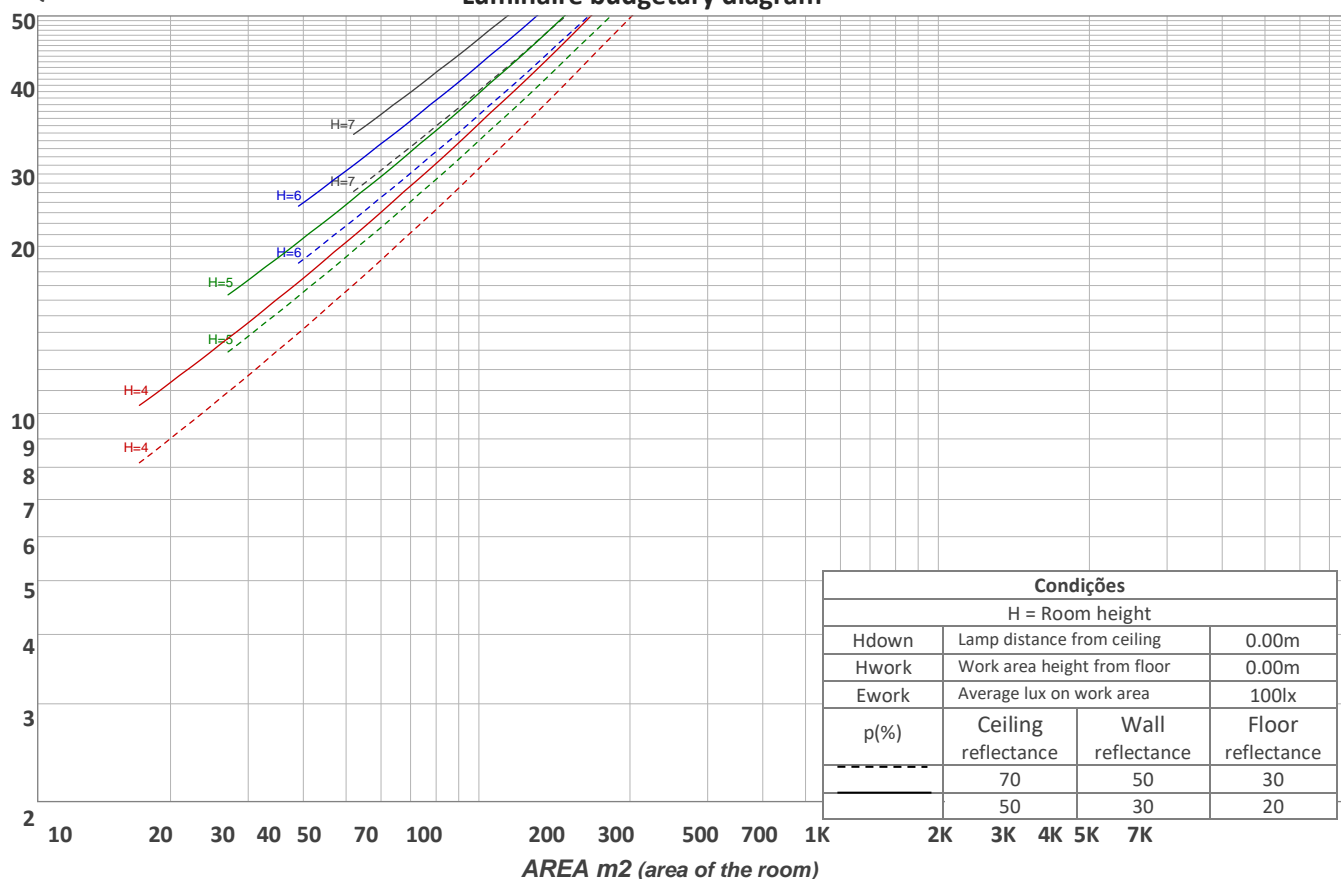
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	26,0	27,1	26,2	27,4	27,7	24,0	25,1	24,2	25,4	25,7
	3H	27,4	28,6	27,9	28,9	29,2	24,6	25,7	25,0	26,0	26,3
	4H	28,1	29,2	28,5	29,5	29,8	24,8	25,9	25,2	26,2	26,5
	6H	28,6	29,6	28,9	29,9	30,3	25,1	26,0	25,4	26,3	26,8
	8H	28,7	29,7	29,1	30,0	30,5	25,1	26,1	25,5	26,4	26,9
	12H	28,8	29,7	29,2	30,1	30,6	25,2	26,1	25,6	26,5	27,0
4H	2H	26,2	27,3	26,7	27,6	27,9	24,6	25,7	25,1	26,0	26,3
	3H	28,0	28,9	28,4	29,3	29,8	25,5	26,4	25,9	26,8	27,2
	4H	28,6	29,5	29,1	29,9	30,5	25,6	26,5	26,1	26,9	27,5
	6H	29,2	30,0	29,7	30,4	30,8	26,0	26,8	26,5	27,2	27,6
	8H	29,4	30,1	29,9	30,5	30,9	26,1	26,8	26,6	27,2	27,7
	12H	29,5	30,1	30,1	30,6	31,1	26,2	26,8	26,7	27,3	27,8
8H	4H	28,7	29,4	29,2	29,8	30,2	25,9	26,6	26,4	27,0	27,5
	6H	29,3	29,9	29,8	30,4	30,9	26,3	26,9	26,9	27,4	28,0
	8H	29,6	30,1	30,1	30,6	31,3	26,6	27,1	27,1	27,6	28,3
	12H	29,8	30,2	30,4	30,7	31,4	26,7	27,2	27,4	27,7	28,3
12H	4H	28,6	29,2	29,2	29,7	30,2	25,9	26,5	26,4	27,0	27,5
	6H	29,3	29,8	29,9	30,4	31,0	26,4	26,9	27,0	27,4	28,1
	8H	29,6	30,0	30,2	30,5	31,2	26,7	27,1	27,3	27,6	28,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,2 / -0,2				
S = 1.5H		0,2 / -0,2					0,4 / -0,7				
S = 2.0H		0,6 / -0,7					0,9 / -1,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 516 lm total luminous flux											

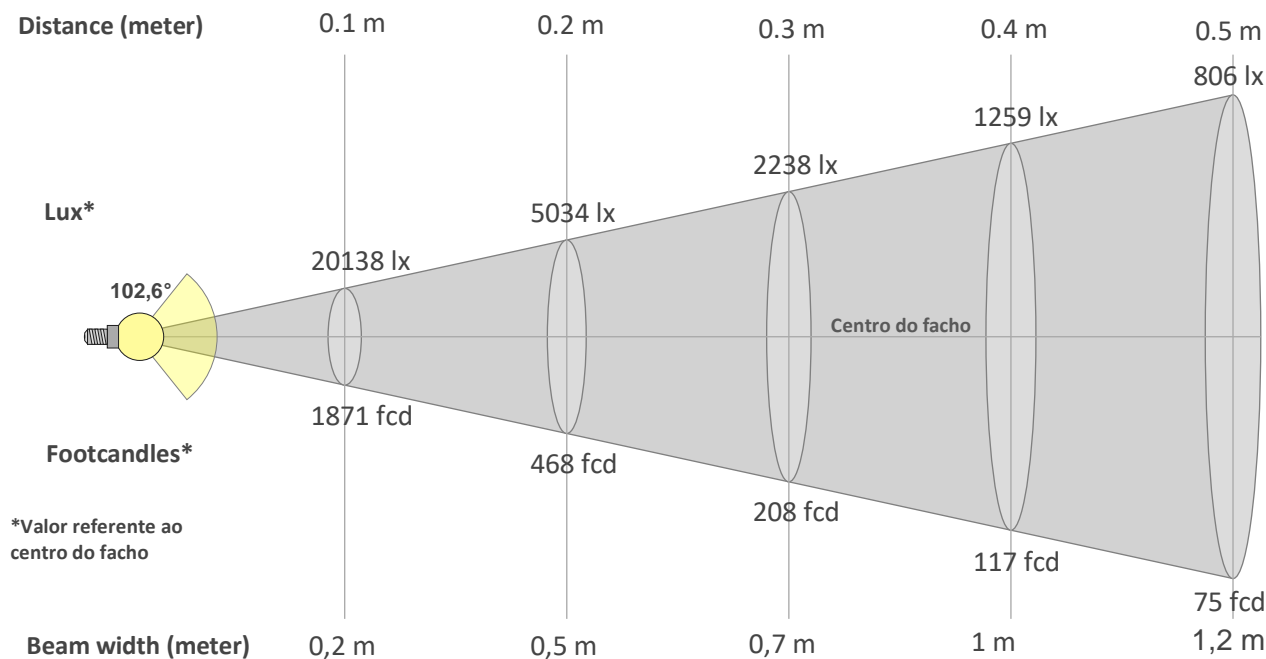
**Coeficiente de utilização**

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	110	110	110	105	105	105	100	100	100	98
1	109	105	101	97	106	102	98	95	97	95	92	93	91	89	89	87	86	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	91	81	73	67	89	80	72	67	76	70	65	73	68	64	71	66	62	60
4	84	72	64	58	81	71	63	57	68	61	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	47	45
6	71	59	50	44	69	58	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	39	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	46	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	40	35	30	29
10	54	41	34	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

**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
201lx	50lx	22lx	13lx	8lx	6lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
18,7fcd	4,7fcd	2,1fcd	1,2fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	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°
201	200	198	193	187	179	169	159	147	134	120	105	90	74	56	40	24	10	3	2
100%	99%	98%	96%	93%	89%	84%	79%	73%	66%	60%	52%	45%	37%	28%	20%	12%	5%	1%	1%

### 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°
201	201	198	193	183	171	157	141	125	107	90	72	54	37	22	14	11	5	1	1
100%	100%	98%	96%	91%	85%	78%	70%	62%	53%	45%	36%	27%	18%	11%	7%	6%	3%	1%	1%

### Intensities in 180° c-plane

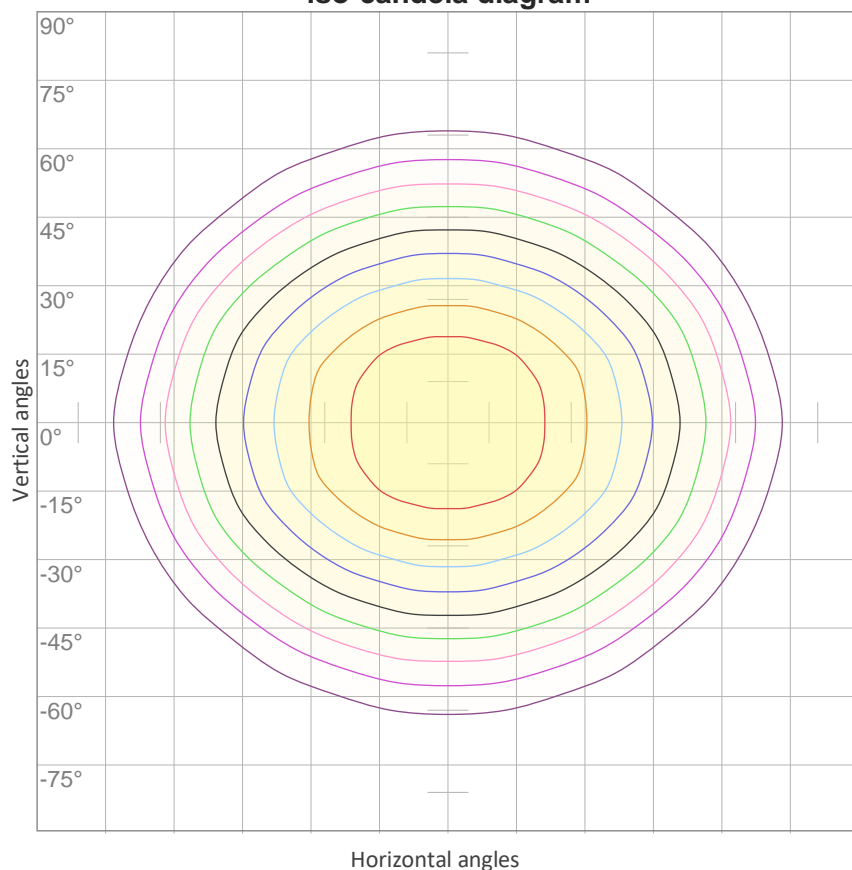
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
201	200	198	193	187	179	169	159	147	134	120	105	90	74	56	40	24	10	3	2
100%	99%	98%	96%	93%	89%	84%	79%	73%	66%	60%	52%	45%	37%	28%	20%	12%	5%	1%	1%

### 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°
201	201	198	193	183	171	157	141	125	107	90	72	54	37	22	14	11	5	1	1
100%	100%	98%	96%	91%	85%	78%	70%	62%	53%	45%	36%	27%	18%	11%	7%	6%	3%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,6°	150,3°	172°	81,4%	57,5%

**iso-candela diagram**



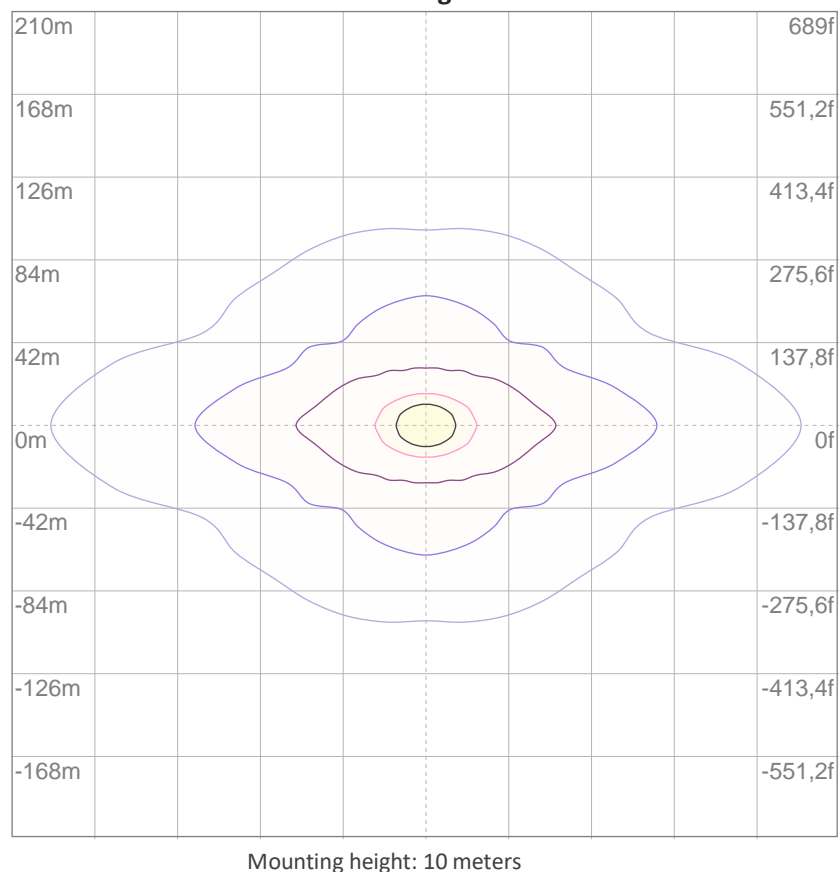
10%	20 cd
20%	40 cd
30%	60 cd
40%	81 cd
50%	101 cd
60%	121 cd
70%	141 cd
80%	161 cd
90%	181 cd

Conditions:

Number of c-planes: 16

Candela at center: 201 cd

**iso-lux diagram**



3%	60,4m lx
5%	0,101 lx
10%	0,201 lx
30%	0,604 lx
50%	1,01 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,01 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,26 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**