

## P50 SLED9017 BRANCA FITA 20WM 3000K 95 - 1m



Luminária linear pendente 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 – 740 lm/m

Potência – 19,4 W/m

Intensidade pico – 300cd

CCT – 2944K



IRC – 97,9

Coordenada CIE 1931 – x- 0,439 y- 0,400

A x L - 50x50

Peso - 1,1kg/m

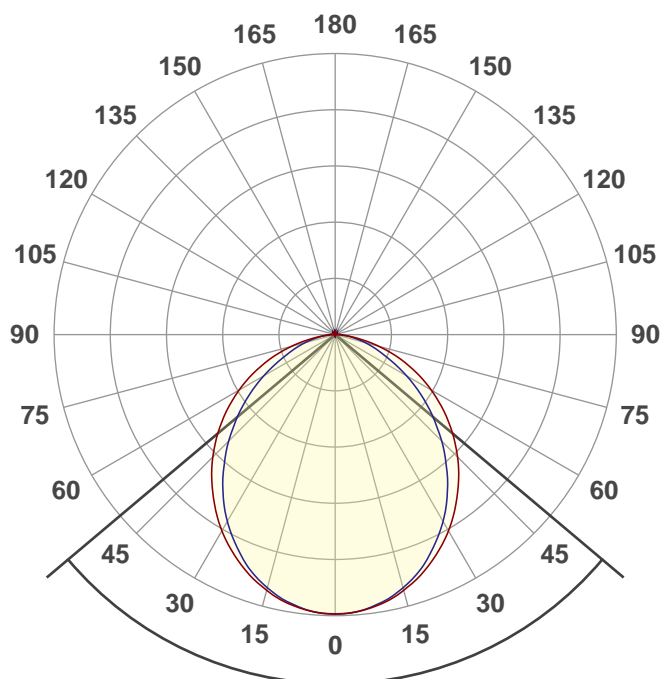
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

17/03/2023 11:07:29



Facho de abertura

**99,8°**

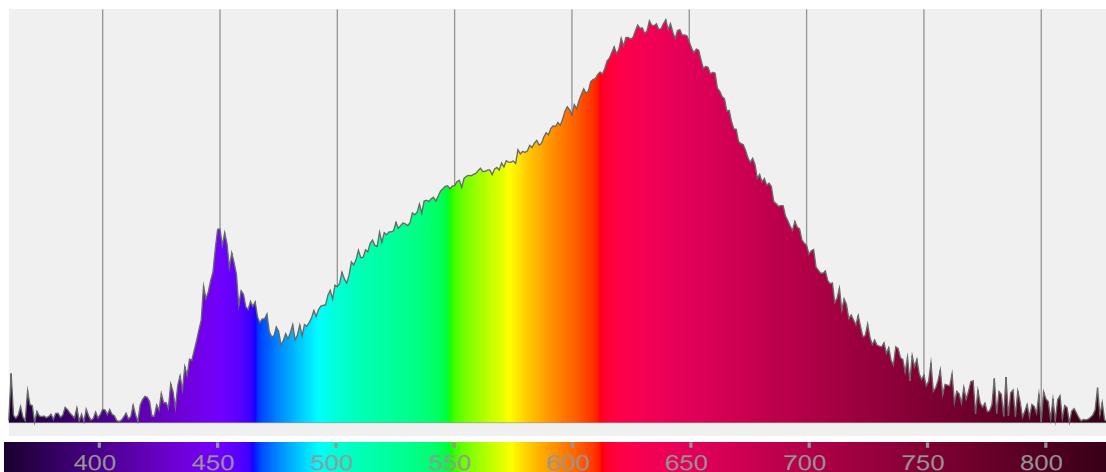
**Rf 95,1**

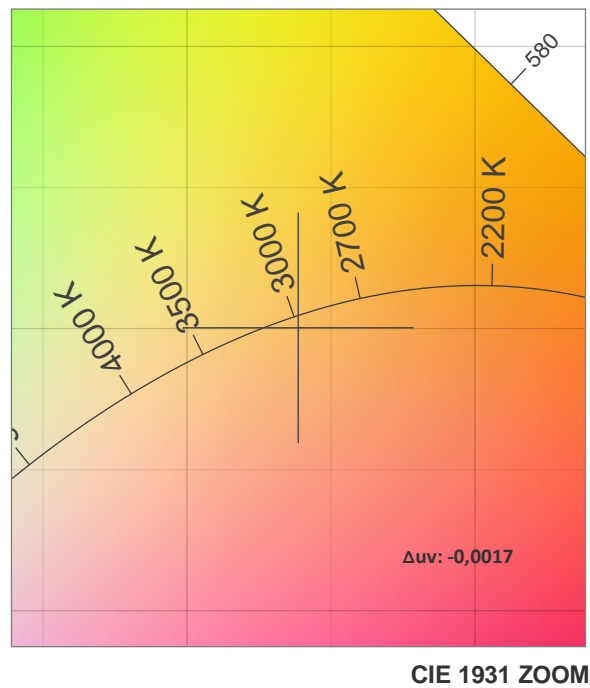
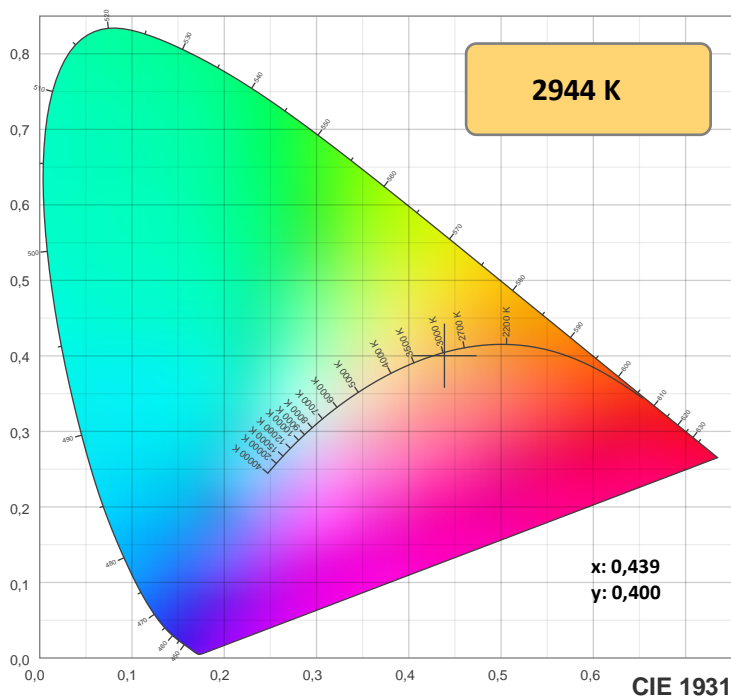
Fidelity index Rf

**Rg 102,5**

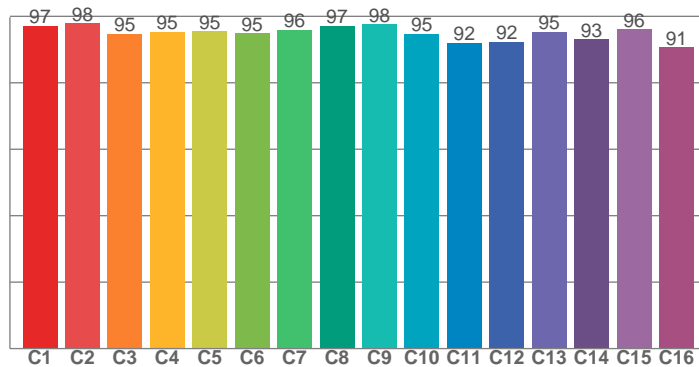
Gamut index Rg

		Shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	97	-1%	-1%
2	98	-1%	1%
3	95	0%	3%
4	95	0%	1%
5	95	1%	2%
6	95	3%	1%
7	96	1%	-1%
8	97	1%	-2%
9	98	0%	1%
10	95	0%	3%
11	92	1%	6%
12	92	4%	2%
13	95	3%	-2%
14	93	5%	-3%
15	96	1%	-2%
16	91	2%	-7%

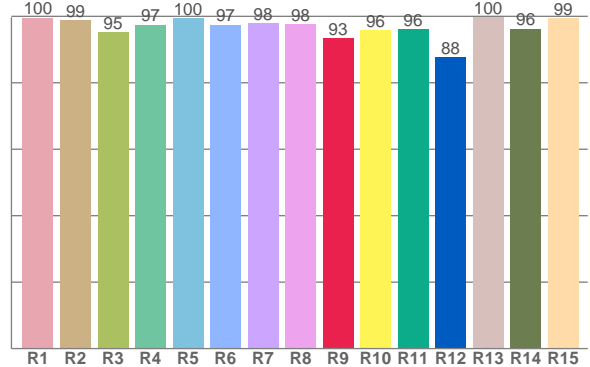




TM-30: 95,1



CRI: 97,9 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,5	98,9	95,2	97,4	99,5	97,5	97,9	97,5	93,5	95,8	96,0	87,6	99,7	96,3	99,4

TM30 valores C. 16 valores extraídos dos 99.

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

## 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	$\Delta uv$
2944 K	97,9	93,5	95,1	102,5	94,5	0,439	0,400	0,253	0,347	-0,0017

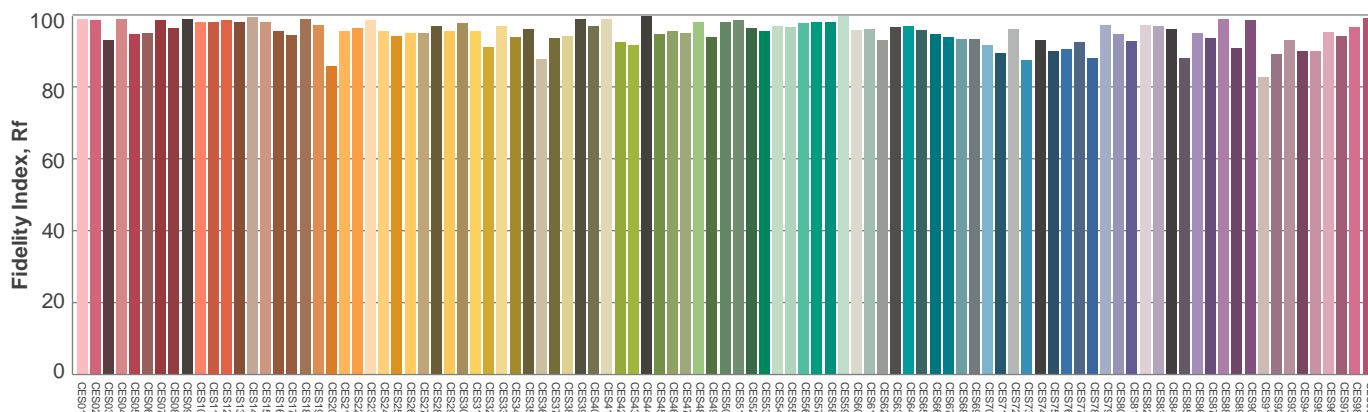
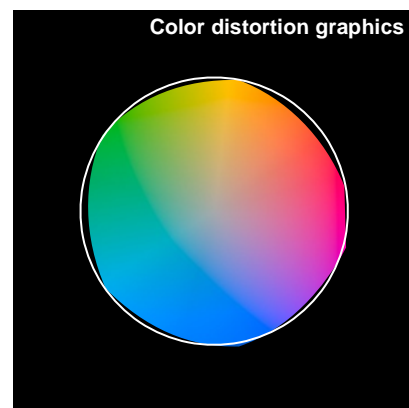
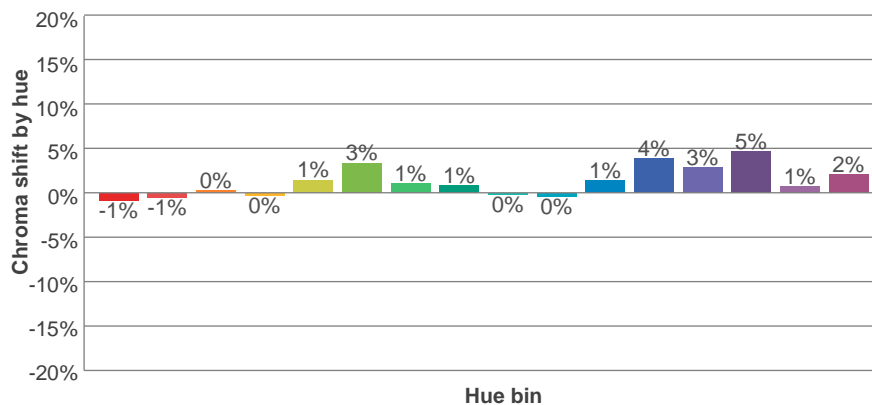
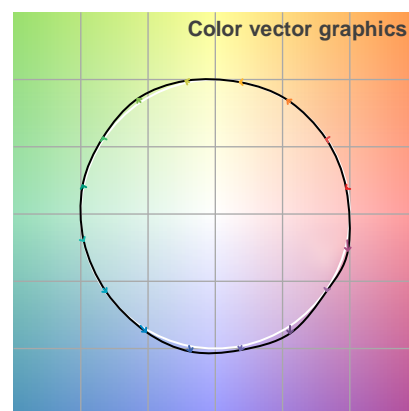
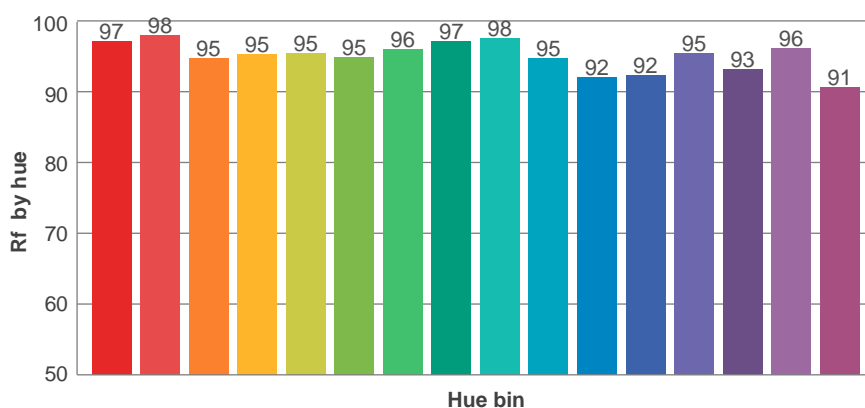
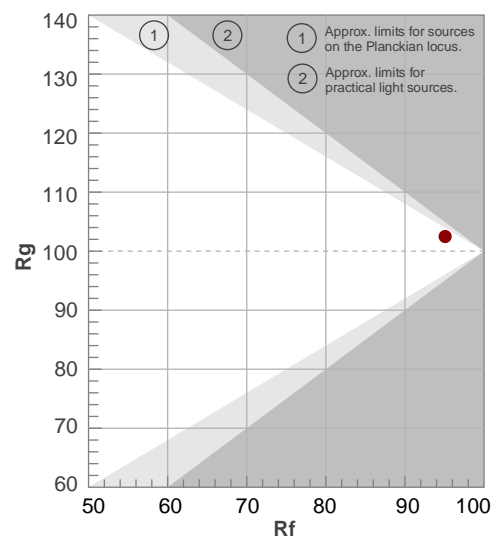
**Rf 95,1**

Fidelity index Rf

**Rg 102,5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	-1%	1%
3	95	0%	3%
4	95	0%	1%
5	95	1%	2%
6	95	3%	1%
7	96	1%	-1%
8	97	1%	-2%
9	98	0%	1%
10	95	0%	3%
11	92	1%	6%
12	92	4%	2%
13	95	3%	-2%
14	93	5%	-3%
15	96	1%	-2%
16	91	2%	-7%



Avaliação todas as amostras de cores

### Glare Evaluation According to UGR

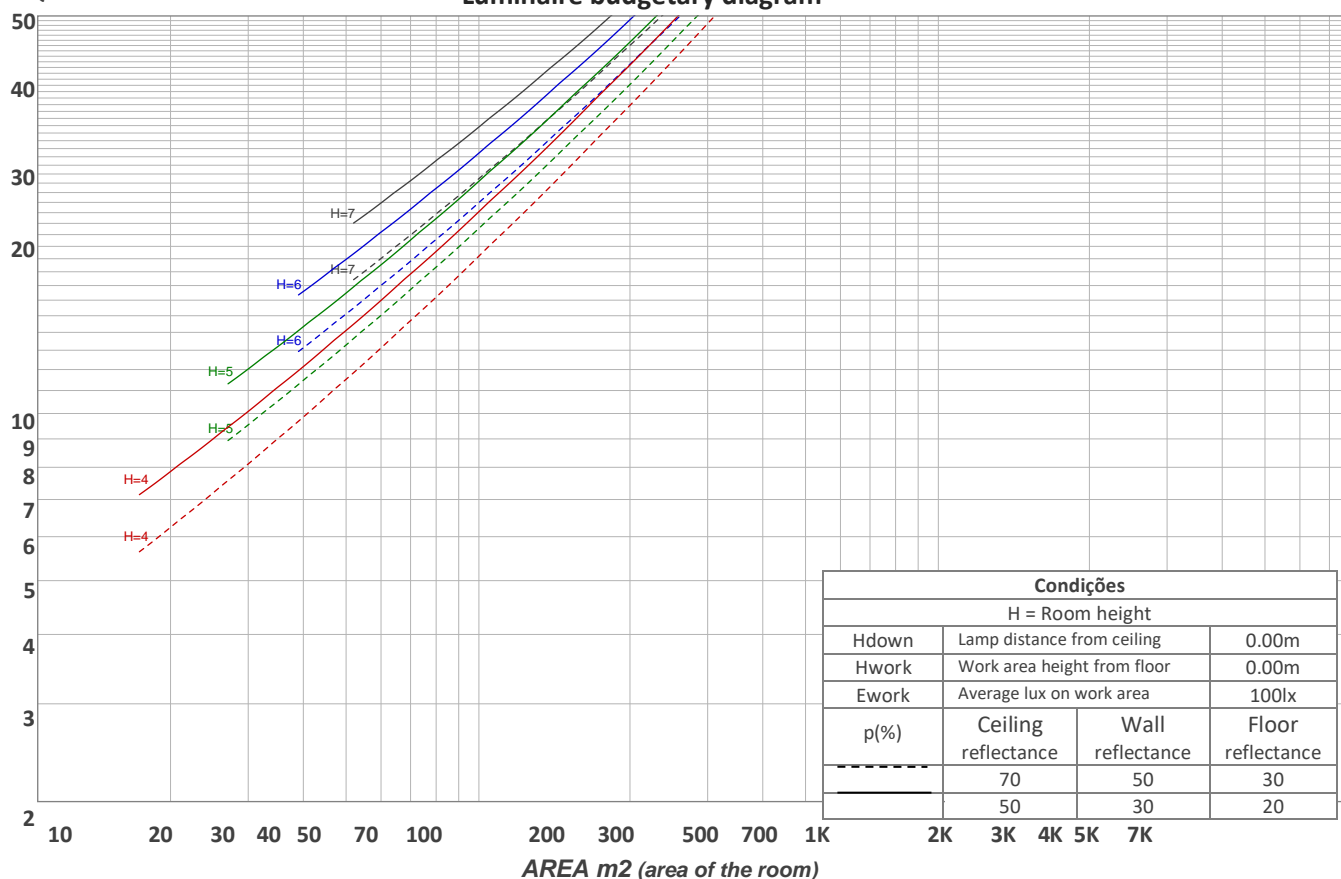
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	18,9	20,1	19,2	20,4	20,7	17,8	18,9	18,0	19,2	19,5
	3H	20,3	21,5	20,7	21,8	22,0	18,7	19,9	19,1	20,2	20,4
	4H	20,9	22,0	21,3	22,3	22,6	19,1	20,3	19,5	20,5	20,8
	6H	21,3	22,3	21,6	22,6	23,0	19,5	20,5	19,8	20,8	21,2
	8H	21,4	22,4	21,8	22,7	23,1	19,6	20,6	20,0	20,9	21,3
	12H	21,4	22,4	21,8	22,7	23,2	19,7	20,6	20,1	21,0	21,5
4H	2H	19,3	20,4	19,7	20,7	21,0	18,3	19,5	18,8	19,8	20,0
	3H	21,0	21,9	21,3	22,3	22,7	19,6	20,5	19,9	20,8	21,3
	4H	21,5	22,4	22,0	22,8	23,4	20,0	20,8	20,4	21,3	21,8
	6H	22,0	22,8	22,5	23,2	23,6	20,4	21,2	20,9	21,6	21,9
	8H	22,1	22,9	22,7	23,3	23,7	20,5	21,3	21,0	21,6	22,0
	12H	22,2	22,8	22,7	23,3	23,8	20,6	21,3	21,1	21,7	22,2
8H	4H	21,6	22,4	22,2	22,8	23,2	20,2	21,0	20,7	21,3	21,7
	6H	22,2	22,8	22,7	23,3	23,8	20,7	21,3	21,2	21,7	22,3
	8H	22,4	22,9	23,0	23,5	24,1	20,9	21,4	21,5	22,0	22,6
	12H	22,6	23,0	23,2	23,5	24,1	21,1	21,5	21,7	22,1	22,7
12H	4H	21,6	22,2	22,1	22,7	23,2	20,2	20,8	20,7	21,3	21,8
	6H	22,2	22,7	22,8	23,3	23,9	20,8	21,2	21,3	21,8	22,4
	8H	22,5	22,9	23,1	23,4	24,0	21,0	21,4	21,6	21,9	22,6
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,2				
S = 1.5H		0,2 / -0,3					0,3 / -0,4				
S = 2.0H		0,6 / -0,7					0,7 / -1,0				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 740 lm total luminous flux											

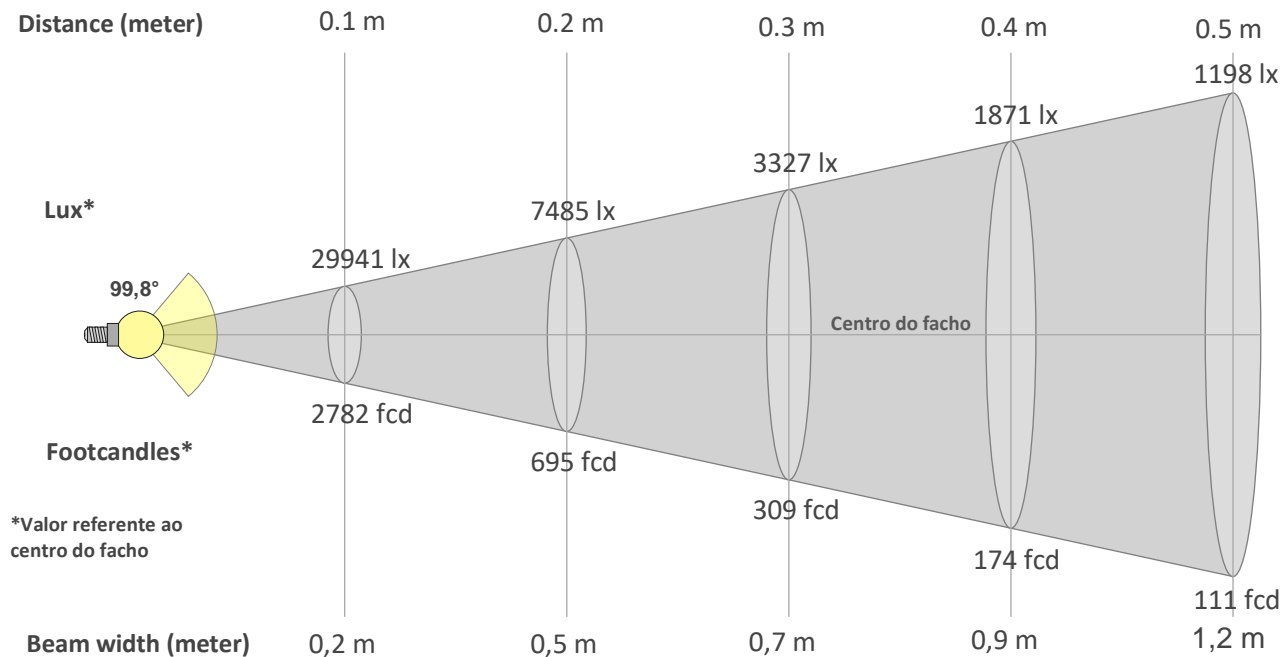
**Coeficiente de utilização**

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	101	101	101	99
1	109	105	101	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	80	72	67	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	54	52
5	77	65	56	50	75	64	56	50	62	54	49	59	53	48	58	52	48	46
6	72	59	50	44	70	58	49	44	56	48	43	54	48	43	52	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	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
299lx	75lx	33lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
27,8fcd	7fcd	3,1fcd	1,7fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	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°
299	297	292	284	272	258	243	225	206	185	164	142	119	96	72	48	27	10	2	1
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	55%	47%	40%	32%	24%	16%	9%	3%	1%	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°
299	297	291	281	267	250	231	209	185	161	137	112	88	66	48	33	20	11	5	3
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	37%	30%	22%	16%	11%	7%	4%	2%	1%

### Intensities in 180° c-plane

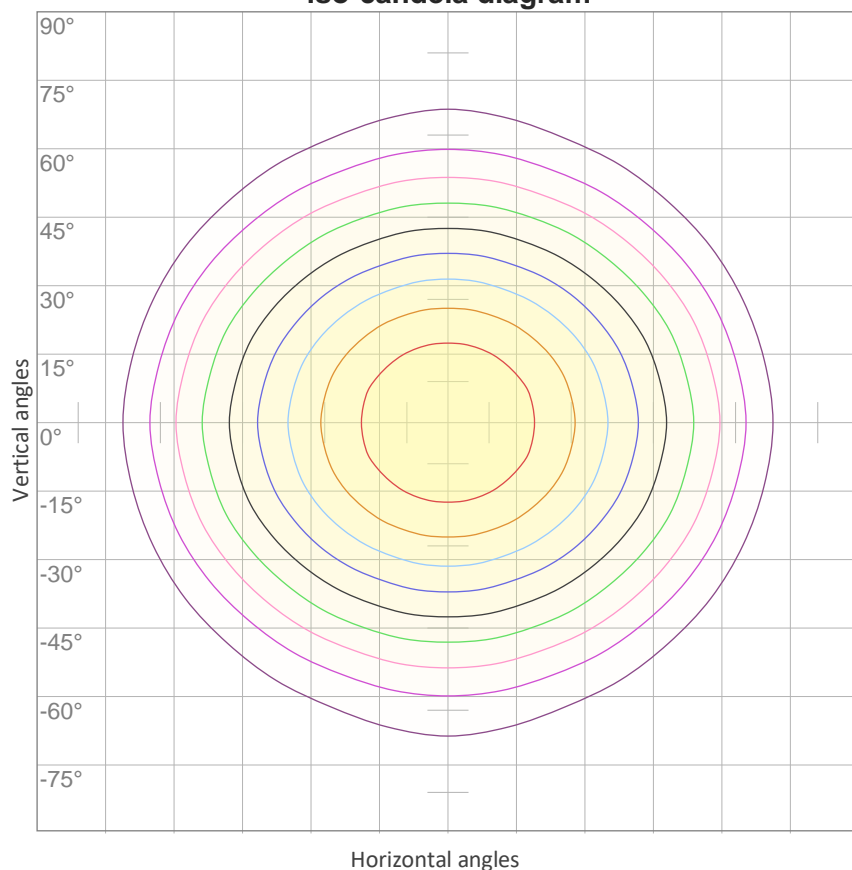
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
299	297	292	284	272	258	243	225	206	185	164	142	119	96	72	48	27	10	2	1
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	55%	47%	40%	32%	24%	16%	9%	3%	1%	0%

### 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°
299	297	291	281	267	250	231	209	185	161	137	112	88	66	48	33	20	11	5	3
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	37%	30%	22%	16%	11%	7%	4%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99,8°	153,1°	171,8°	81,7%	57,8%

**iso-candela diagram**



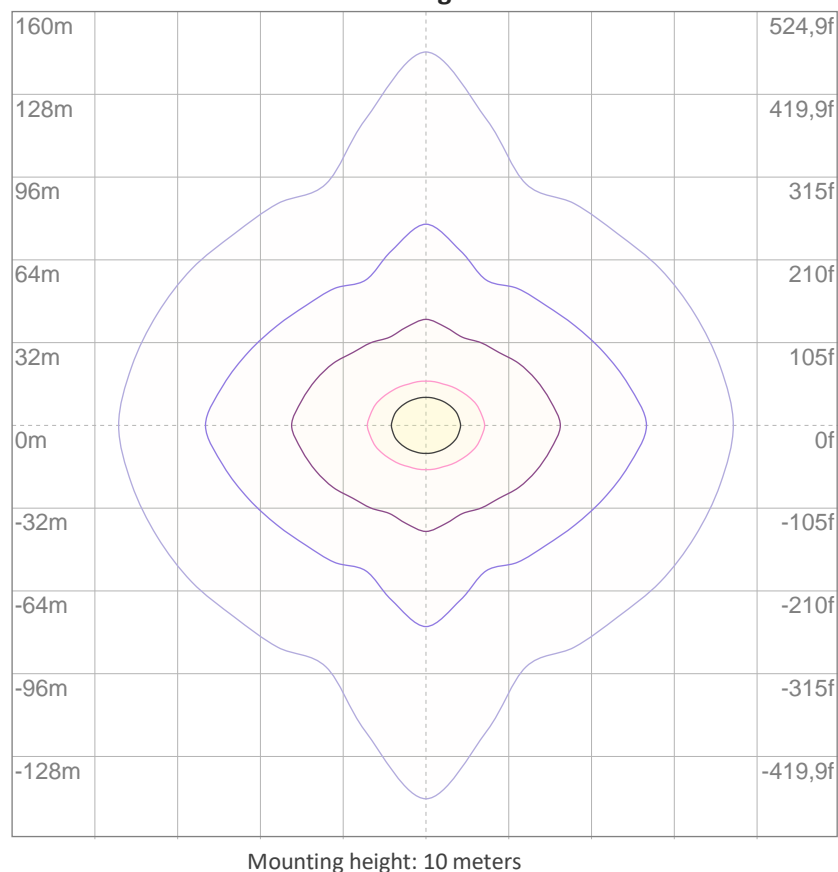
10%	30 cd
20%	60 cd
30%	90 cd
40%	120 cd
50%	150 cd
60%	180 cd
70%	210 cd
80%	240 cd
90%	269 cd

Conditions:

Number of c-planes: 16

Candela at center: 299 cd

**iso-lux diagram**



3%	89,8m lx
5%	0,150 lx
10%	0,299 lx
30%	0,898 lx
50%	1,50 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,99 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,62 A**

**Frequência: 0 Hz**

**FP: 0,99**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**