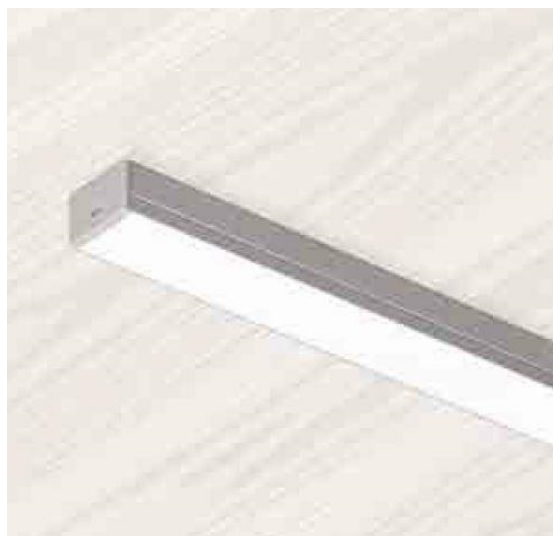


## 9003 SLED9003 BRANCA FITA 20WM 2400K 95 - 1m



Luminária linear de sobrepor 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 – 1016 lm/m

Potência – 20,6 W/m

Intensidade pico – 360cd

CCT – 2405K



IRC – 96,8

Coordenada CIE 1931 – x- 0,490 y- 0,421

A x L - 12x24

Peso - 0,15kg/m

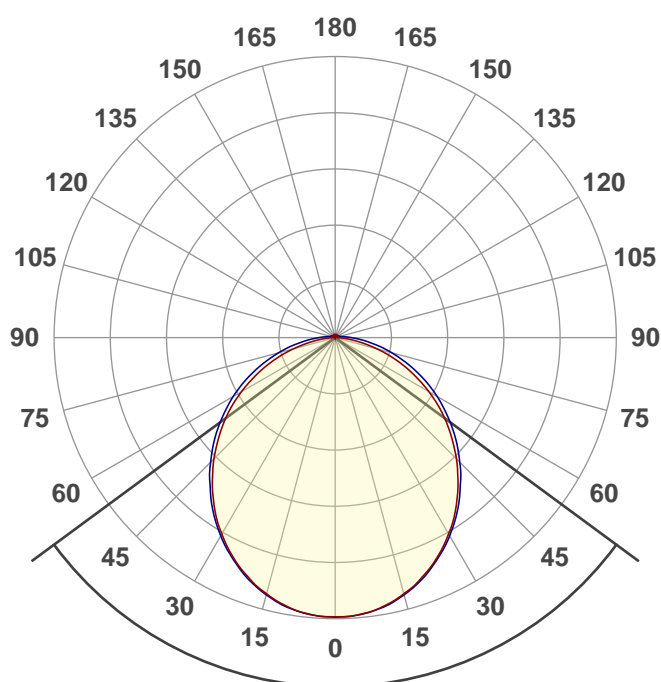
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

07/03/2022 11:49:33



Facho de abertura

**107,3°**

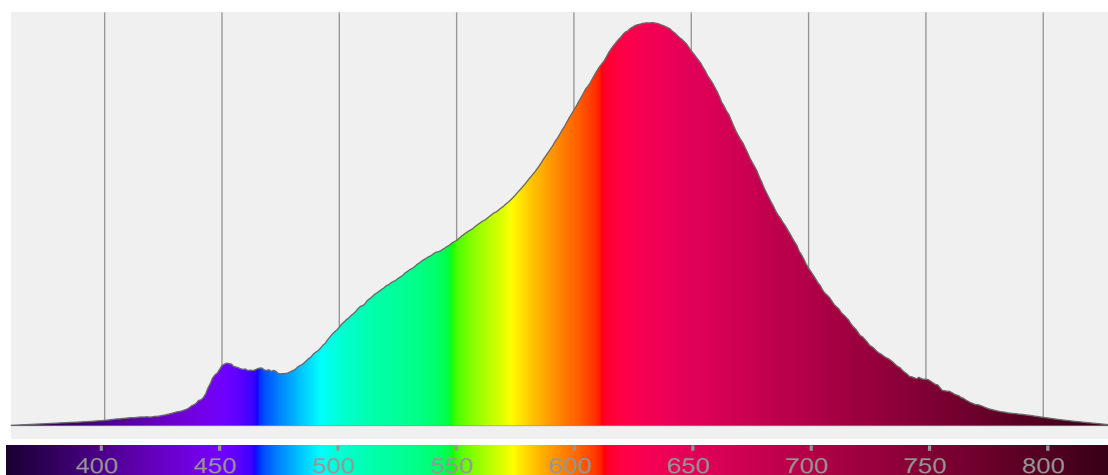
**Rf 94,5**

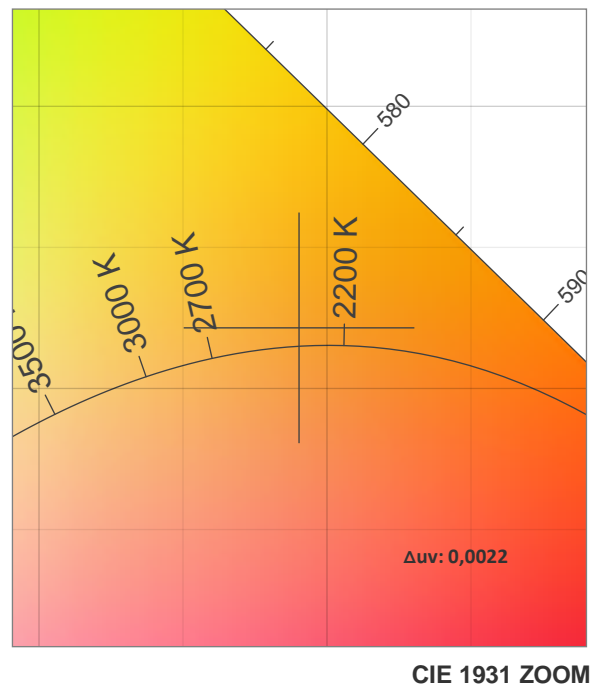
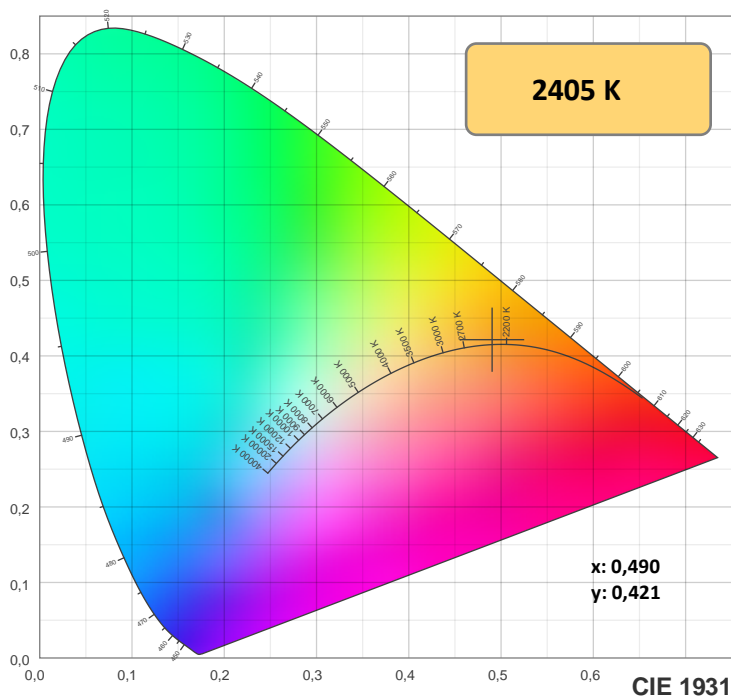
Fidelity index Rf

**Rg 97,4**

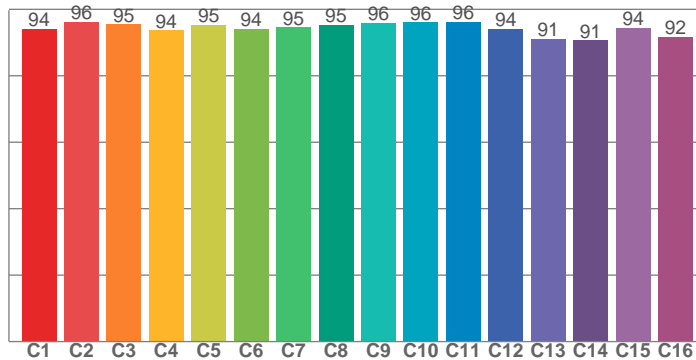
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	0%
3	95	-2%	0%
4	94	-4%	-2%
5	95	-4%	1%
6	94	-2%	4%
7	95	-2%	3%
8	95	1%	3%
9	96	0%	2%
10	96	0%	2%
11	96	2%	2%
12	94	2%	-3%
13	91	1%	-8%
14	91	0%	-6%
15	94	-3%	-1%
16	92	-3%	-5%

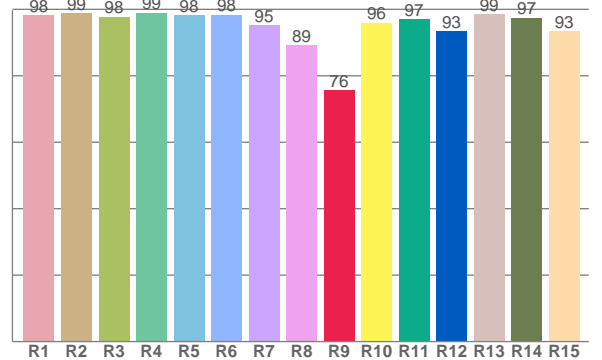




TM-30: 94,5



CRI: 96,8 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	98,8	97,7	99,0	98,2	98,4	95,3	89,3	75,7	96,0	97,0	93,5	98,5	97,5	93,3

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	96,2	95,4	93,6	95,3	94,1	94,6	95,3	95,9	96,1	96,2	94,2	91,1	90,7	94,5	91,8

## 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
2405 K	96,8	75,7	94,5	97,4	89,3	0,490	0,421	0,277	0,357	0,0022

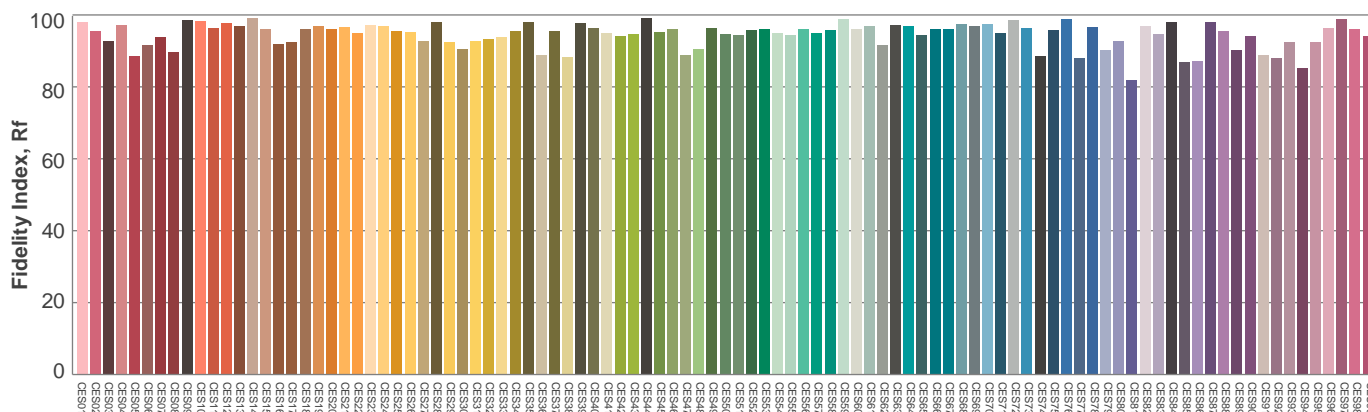
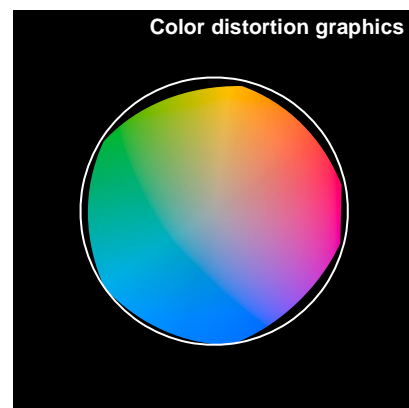
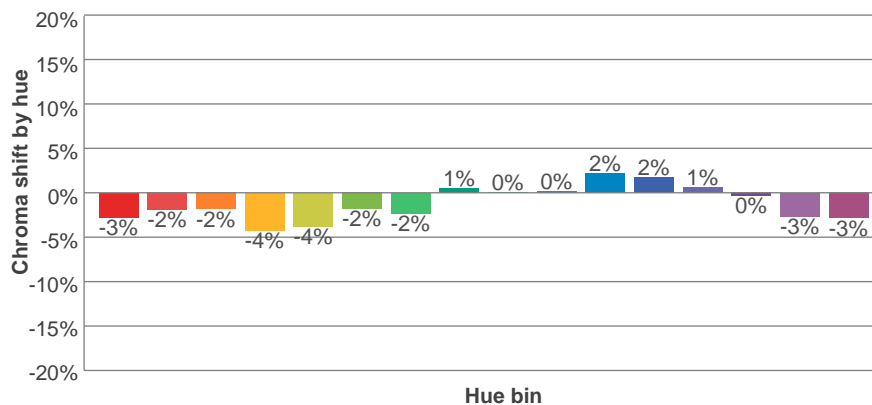
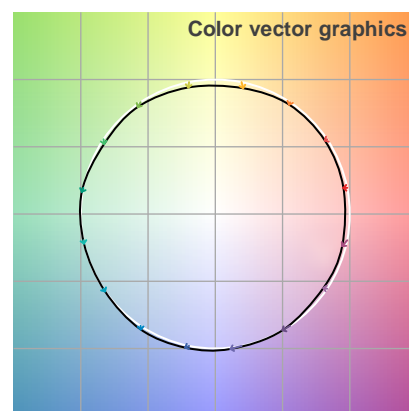
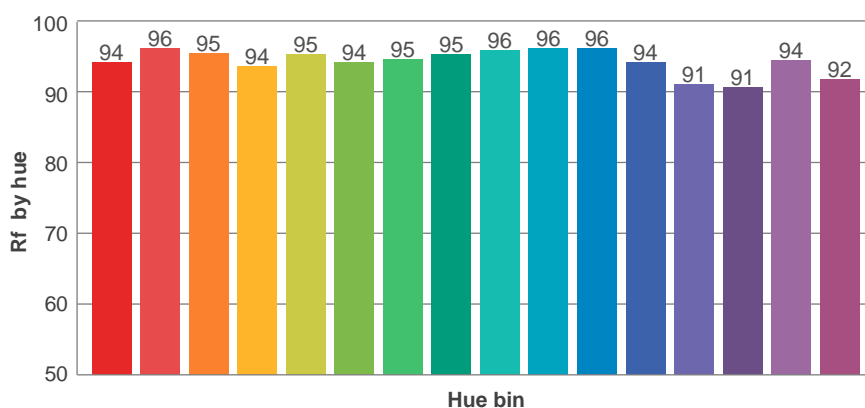
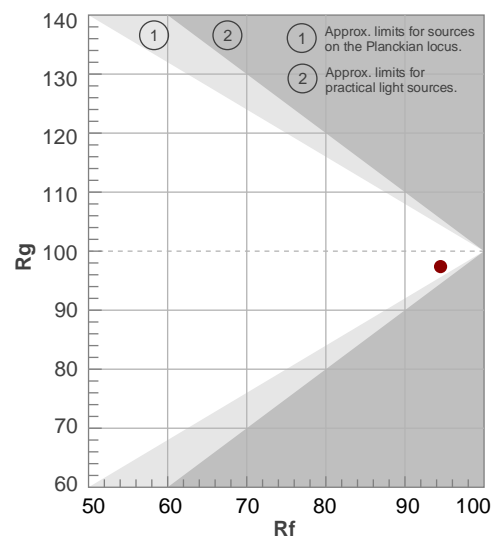
**Rf 94,5**

Fidelity index Rf

**Rg 97,4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	0%
3	95	-2%	0%
4	94	-4%	-2%
5	95	-4%	1%
6	94	-2%	4%
7	95	-2%	3%
8	95	1%	3%
9	96	0%	2%
10	96	0%	2%
11	96	2%	2%
12	94	2%	-3%
13	91	1%	-8%
14	91	0%	-6%
15	94	-3%	-1%
16	92	-3%	-5%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

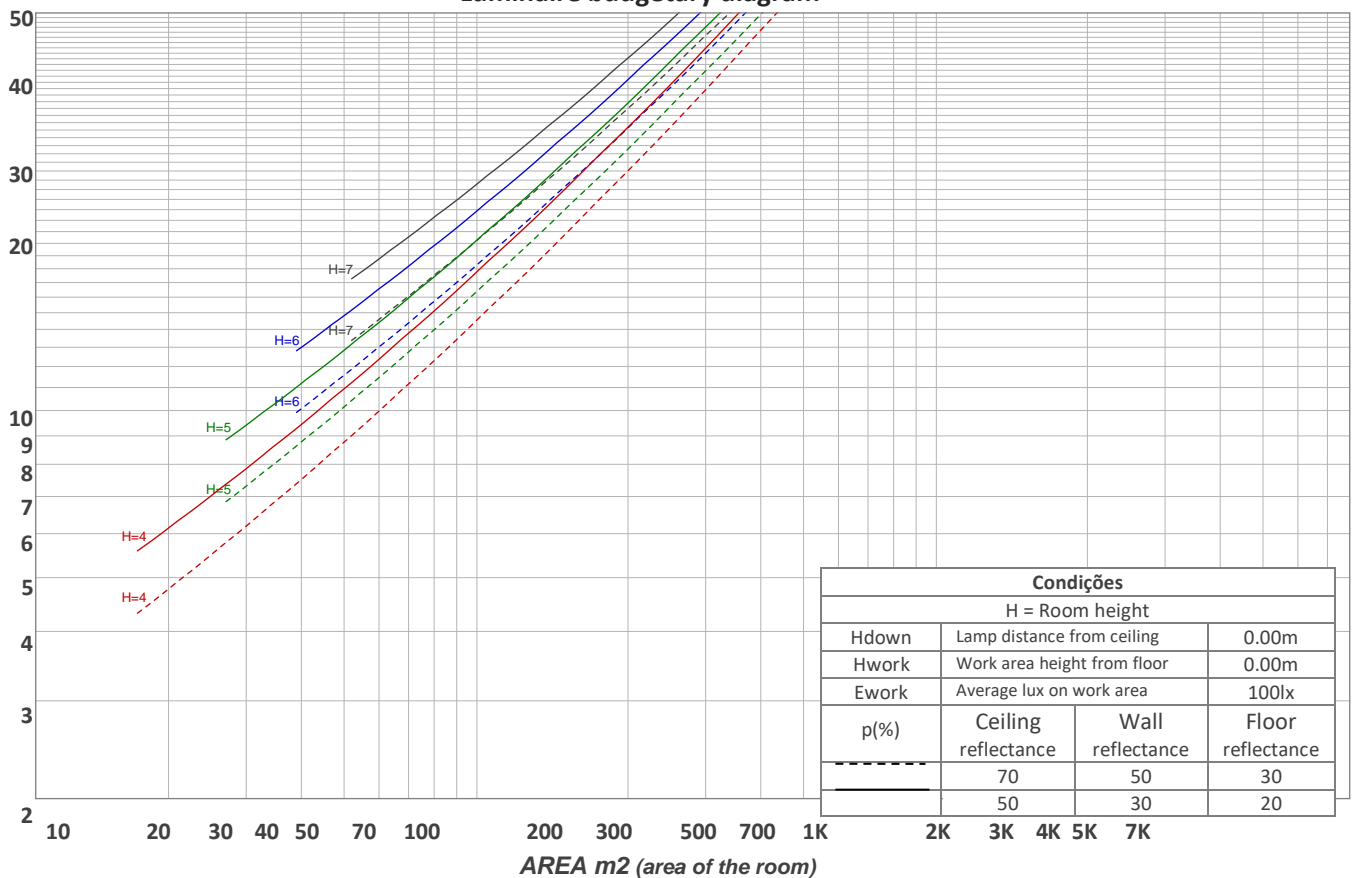
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,9	22,1	21,2	22,4	22,7	21,5	22,7	21,7	23,0	23,3
	3H	22,1	23,4	22,6	23,7	24,0	23,1	24,3	23,5	24,6	24,9
	4H	22,6	23,8	23,1	24,1	24,4	23,8	25,0	24,3	25,3	25,6
	6H	23,0	24,0	23,3	24,3	24,8	24,6	25,6	24,9	25,9	26,4
	8H	23,0	24,0	23,4	24,4	24,8	24,9	25,9	25,2	26,2	26,7
	12H	23,0	24,0	23,4	24,4	24,9	25,2	26,2	25,6	26,5	27,0
4H	2H	21,5	22,7	22,0	23,0	23,3	22,0	23,2	22,4	23,5	23,8
	3H	23,1	24,1	23,5	24,4	24,9	23,9	24,9	24,3	25,3	25,8
	4H	23,6	24,5	24,1	25,0	25,6	24,7	25,6	25,2	26,1	26,7
	6H	24,0	24,9	24,5	25,3	25,7	25,5	26,4	26,1	26,8	27,2
	8H	24,1	24,9	24,6	25,3	25,7	25,9	26,7	26,5	27,1	27,6
	12H	24,2	24,8	24,7	25,3	25,8	26,3	27,0	26,8	27,4	28,0
8H	4H	24,0	24,7	24,5	25,2	25,6	25,0	25,7	25,5	26,2	26,6
	6H	24,5	25,1	25,1	25,6	26,2	26,0	26,6	26,5	27,1	27,7
	8H	24,7	25,3	25,3	25,8	26,5	26,5	27,0	27,0	27,6	28,2
	12H	24,8	25,3	25,5	25,8	26,5	27,0	27,4	27,6	28,0	28,6
12H	4H	24,0	24,7	24,5	25,1	25,7	24,9	25,6	25,5	26,1	26,6
	6H	24,7	25,2	25,2	25,7	26,4	26,0	26,5	26,6	27,1	27,8
	8H	24,9	25,3	25,5	25,9	26,5	26,6	27,0	27,2	27,6	28,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,2 / -0,3					0,1 / -0,1				
S = 2.0H		0,5 / -0,7					0,3 / -0,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1016 lm total luminous flux											

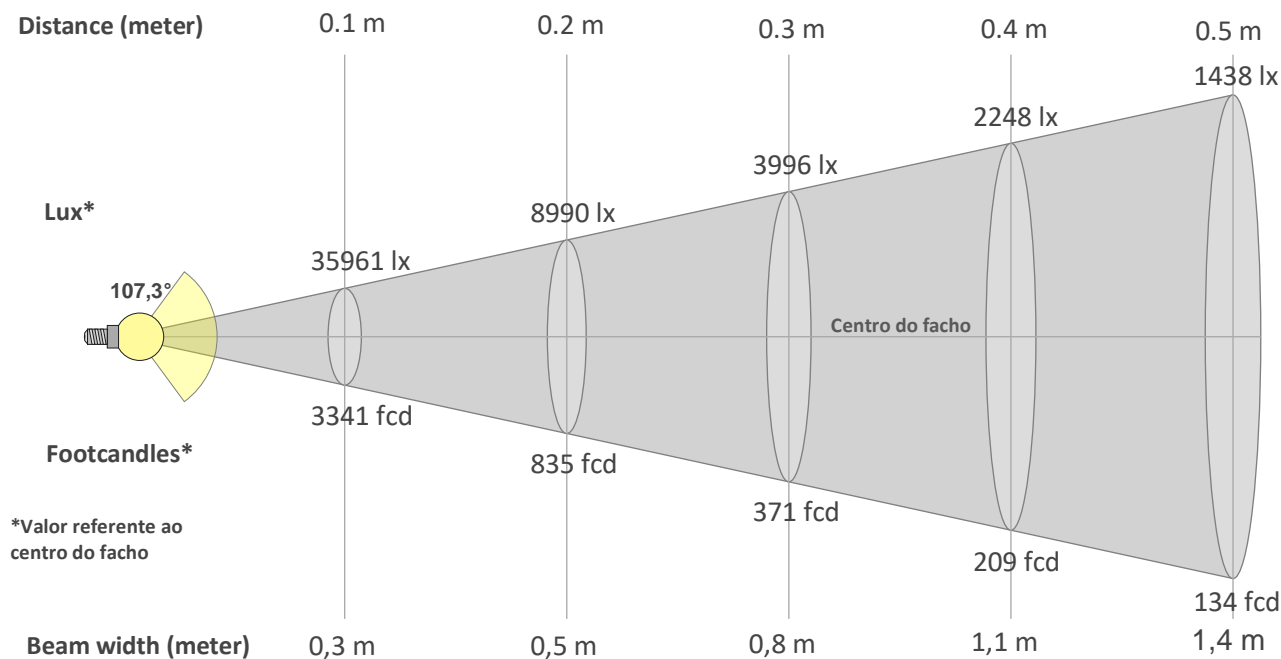
### Coeficiente de utilização

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	108	103	98	94	105	100	96	93	96	92	89	91	88	86	87	85	83	81
2	98	90	83	77	95	87	81	76	83	78	73	80	75	71	76	73	69	67
3	89	79	70	64	87	77	69	63	73	67	62	70	65	60	67	63	59	57
4	82	70	61	54	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	75	62	53	47	73	61	53	46	59	51	45	56	50	45	54	49	44	42
6	69	56	47	41	67	55	47	40	53	45	40	51	44	39	49	43	39	37
7	64	51	42	36	63	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24

### 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
360lx	90lx	40lx	22lx	14lx	10lx	7lx	6lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
33,4fcd	8,4fcd	3,7fcd	2,1fcd	1,3fcd	0,9fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	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°
360	358	352	341	328	311	292	270	246	221	194	168	139	111	83	55	31	13	4	5
100%	99%	98%	95%	91%	87%	81%	75%	68%	61%	54%	47%	39%	31%	23%	15%	9%	4%	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°
360	358	353	343	330	313	295	274	250	227	202	177	152	126	100	75	53	35	21	13
100%	100%	98%	95%	92%	87%	82%	76%	70%	63%	56%	49%	42%	35%	28%	21%	15%	10%	6%	4%

### Intensities in 180° c-plane

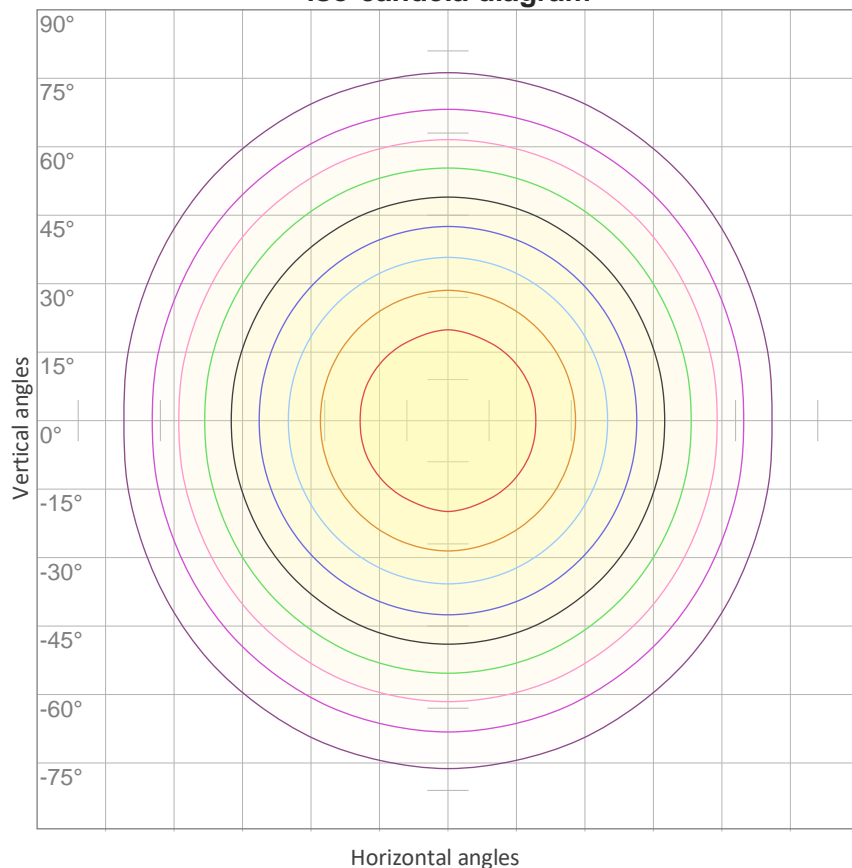
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
360	358	352	341	328	311	292	270	246	221	194	168	139	111	83	55	31	13	4	5
100%	99%	98%	95%	91%	87%	81%	75%	68%	61%	54%	47%	39%	31%	23%	15%	9%	4%	1%	1%

### 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°
360	358	353	343	330	313	295	274	250	227	202	177	152	126	100	75	53	35	21	13
100%	100%	98%	95%	92%	87%	82%	76%	70%	63%	56%	49%	42%	35%	28%	21%	15%	10%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
107,3°	164,2°	186,6°	75,9%	52,3%

**iso-candela diagram**



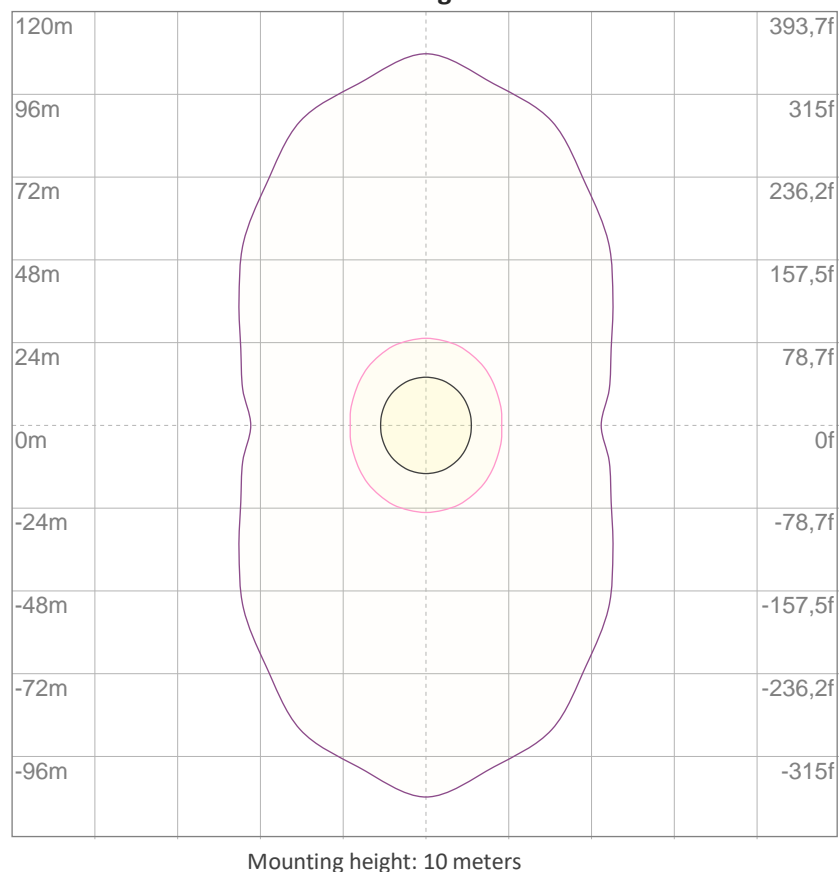
10%	36 cd
20%	72 cd
30%	108 cd
40%	144 cd
50%	180 cd
60%	216 cd
70%	252 cd
80%	288 cd
90%	324 cd

Conditions:

Number of c-planes: 16

Candela at center: 360 cd

**iso-lux diagram**



3%	0,108 lx
5%	0,180 lx
10%	0,360 lx
30%	1,08 lx
50%	1,80 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,60 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,72 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**