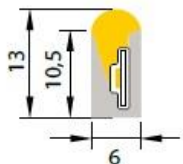


## EX07 SLED9164 BRANCA FITA 9,6WM 3500K 80 - 1m



Luminária linear de sobrepor em mobiliário com iluminação difusa. Corpo em borracha com acabamento na cor branca. Difusor em borracha leitosa. Indicado para residência, mobiliário etc.

Fluxo luminoso – 272 lm/m

Potência – 9,6 W/m

Intensidade pico – 61,9cd

CCT – 2943K



IRC – 83,3

Coordenada CIE 1931 – x- 0,441 y- 0,405

A x L - 13x6

Peso - 0,26kg/m

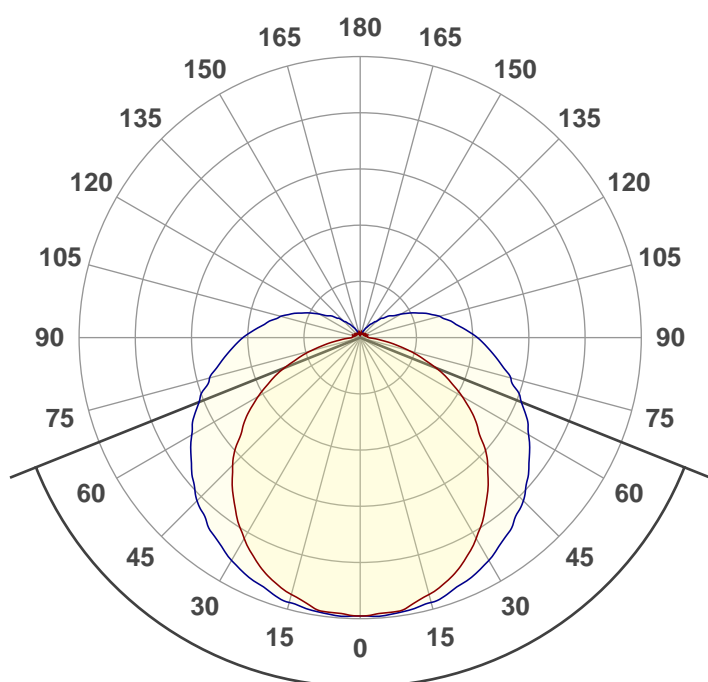
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

10/02/2021 11:20:55



Facho de abertura

**136,4°**

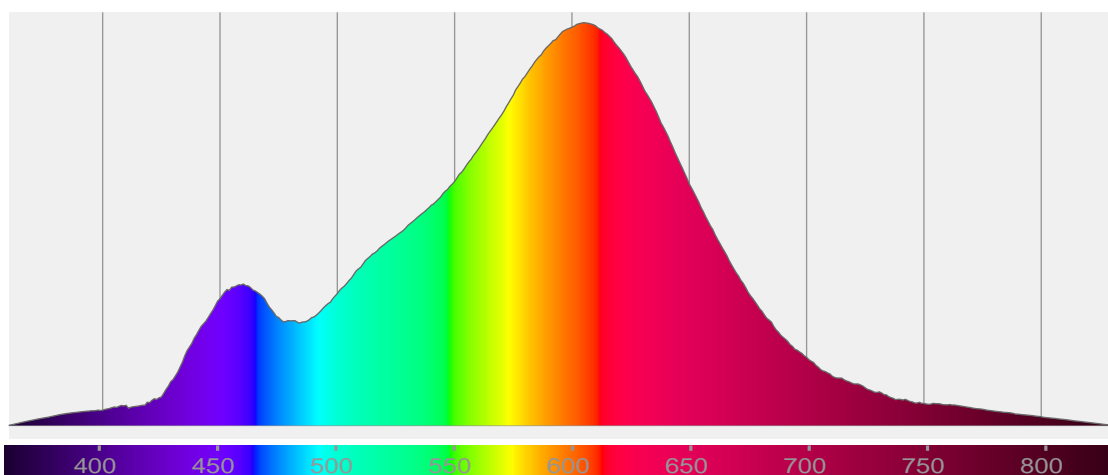
**Rf 85,8**

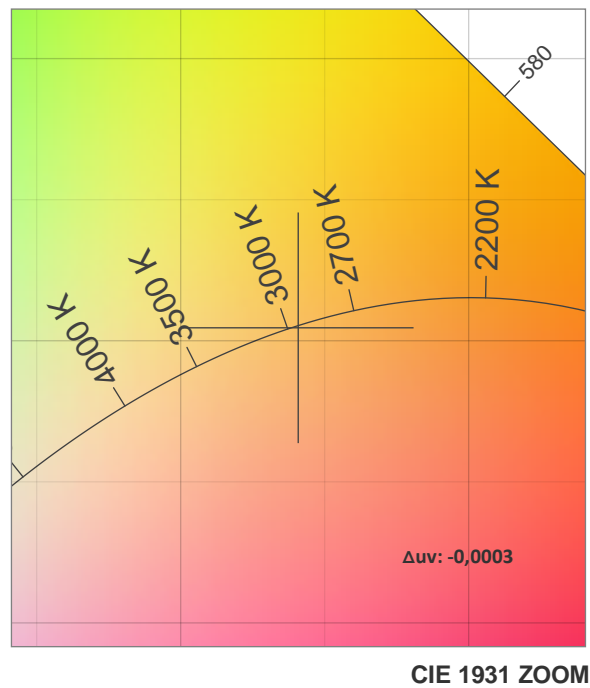
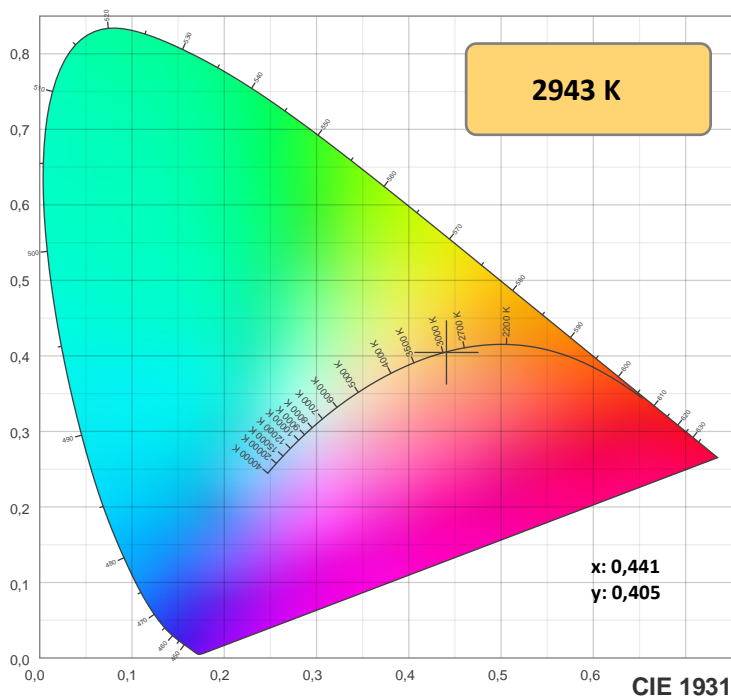
Fidelity index Rf

**Rg 95,0**

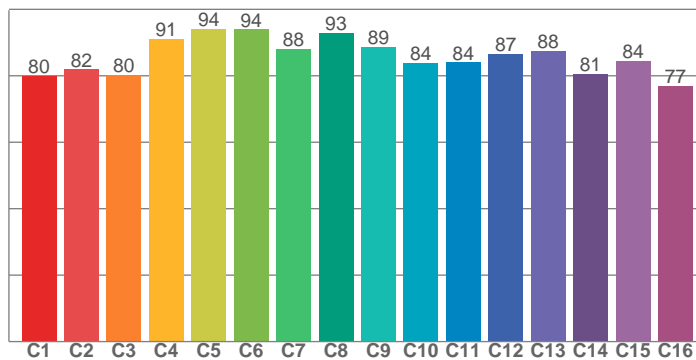
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	82	-8%	7%
3	80	-3%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-5%
8	93	-4%	0%
9	89	-6%	4%
10	84	-3%	10%
11	84	1%	12%
12	87	6%	1%
13	88	4%	-8%
14	81	3%	-16%
15	84	-4%	-9%
16	77	-10%	-15%

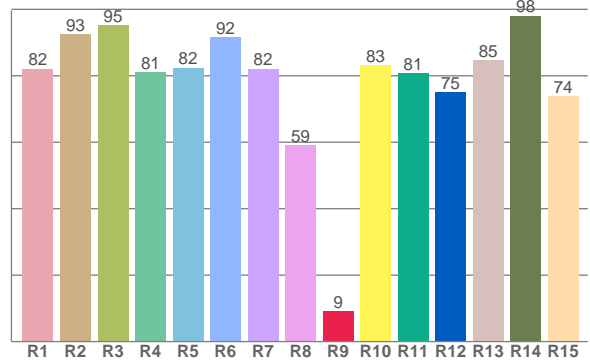




TM-30: 85,8



CRI: 83,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,1	92,5	95,2	81,1	82,4	91,6	82,1	59,1	9,1	83,1	80,8	75,1	84,8	98,1	73,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,0	81,9	80,2	91,1	94,1	94,0	88,0	93,0	88,7	83,9	84,0	86,7	87,5	80,6	84,5	77,0

## 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	$\Delta uv$
2943 K	83,3	9,1	85,8	95,0	82,8	0,441	0,405	0,253	0,348	-0,0003

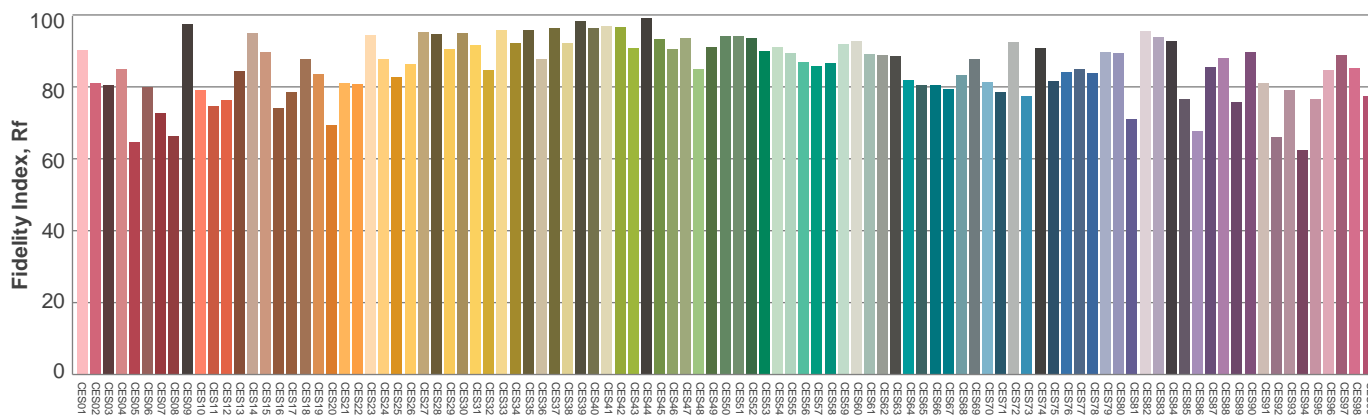
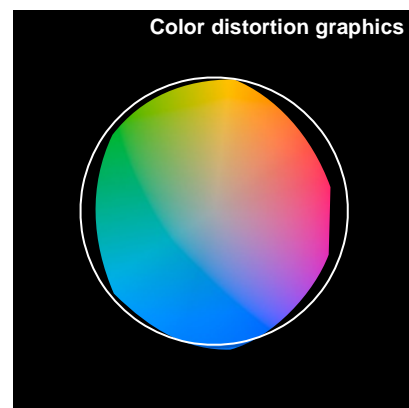
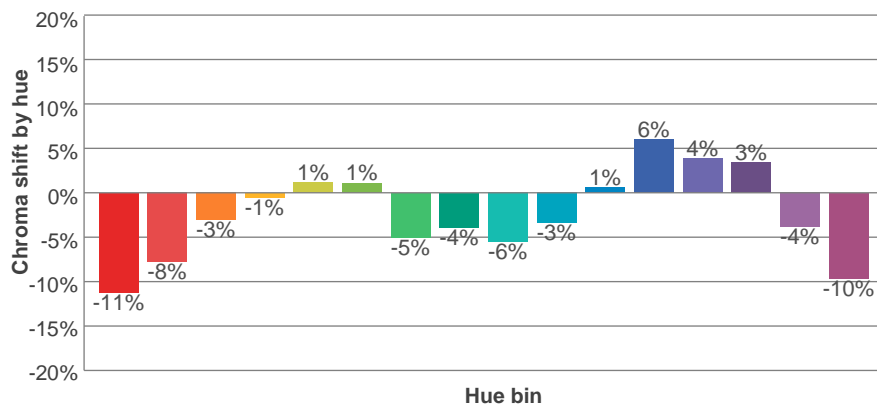
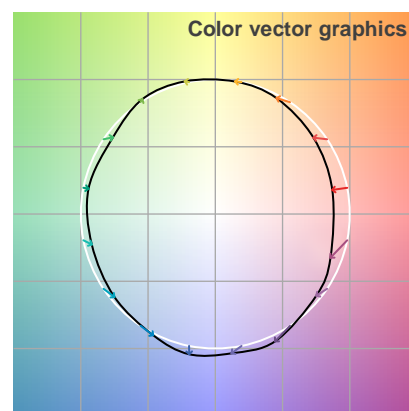
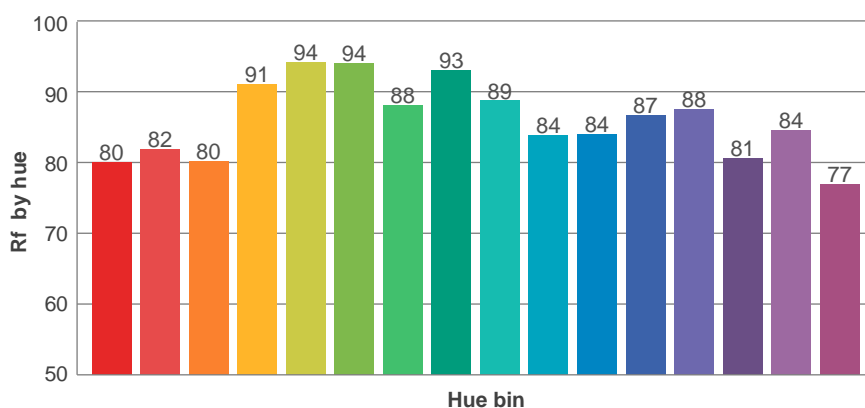
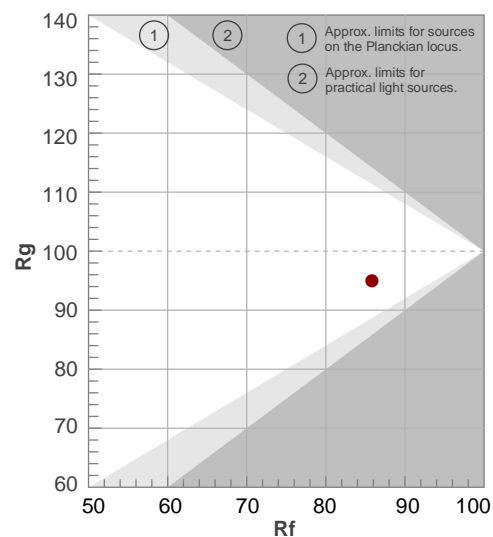
**Rf 85,8**

Fidelity index Rf

**Rg 95,0**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	82	-8%	7%
3	80	-3%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-5%
8	93	-4%	0%
9	89	-6%	4%
10	84	-3%	10%
11	84	1%	12%
12	87	6%	1%
13	88	4%	-8%
14	81	3%	-16%
15	84	-4%	-9%
16	77	-10%	-15%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

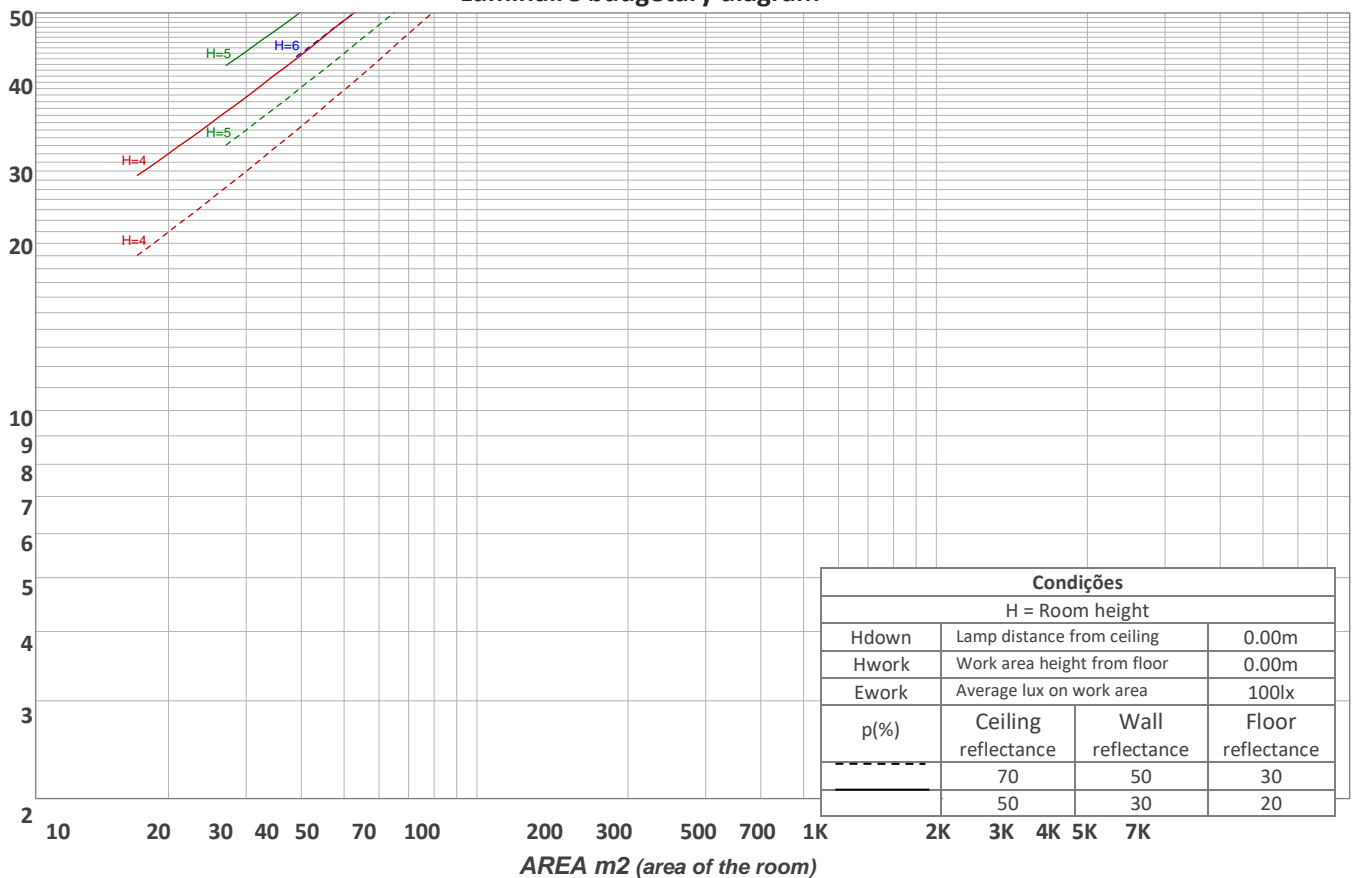
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17,2	18,4	17,6	18,9	19,4	20,3	21,5	20,8	22,0	22,6
	3H	18,4	19,5	19,0	20,1	20,6	22,9	24,1	23,5	24,6	25,1
	4H	18,8	19,9	19,4	20,5	21,0	24,4	25,5	25,0	26,0	26,6
	6H	19,1	20,1	19,7	20,7	21,3	26,0	27,0	26,5	27,6	28,2
	8H	19,2	20,2	19,8	20,7	21,4	26,9	27,9	27,4	28,4	29,1
	12H	19,2	20,2	19,8	20,8	21,5	27,9	28,9	28,5	29,4	30,1
4H	2H	18,3	19,5	18,9	20,0	20,6	20,7	21,8	21,3	22,3	22,9
	3H	19,9	20,9	20,4	21,4	22,1	23,6	24,6	24,1	25,1	25,8
	4H	20,4	21,5	21,0	21,9	22,7	25,1	26,2	25,7	26,7	27,4
	6H	20,8	21,7	21,5	22,3	22,9	26,9	27,7	27,6	28,3	29,0
	8H	20,9	21,7	21,6	22,3	23,0	27,9	28,6	28,5	29,3	29,9
	12H	21,0	21,7	21,7	22,3	23,1	29,0	29,6	29,7	30,3	31,0
8H	4H	21,4	22,1	22,1	22,8	23,4	25,3	26,0	26,0	26,7	27,3
	6H	22,1	22,7	22,8	23,4	24,2	27,3	27,9	28,0	28,6	29,4
	8H	22,4	22,9	23,1	23,6	24,5	28,4	28,9	29,1	29,7	30,5
	12H	22,5	23,0	23,3	23,7	24,6	29,7	30,2	30,5	30,9	31,7
12H	4H	21,7	22,3	22,3	23,0	23,7	25,3	25,9	25,9	26,6	27,3
	6H	22,6	23,1	23,3	23,8	24,7	27,3	27,8	28,0	28,6	29,5
	8H	22,9	23,4	23,7	24,1	25,0	28,5	29,0	29,2	29,7	30,5
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 / -0,2					0,2 / -0,2				
S = 2.0H		0,3 / -0,6					0,4 / -0,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 272 lm total luminous flux											

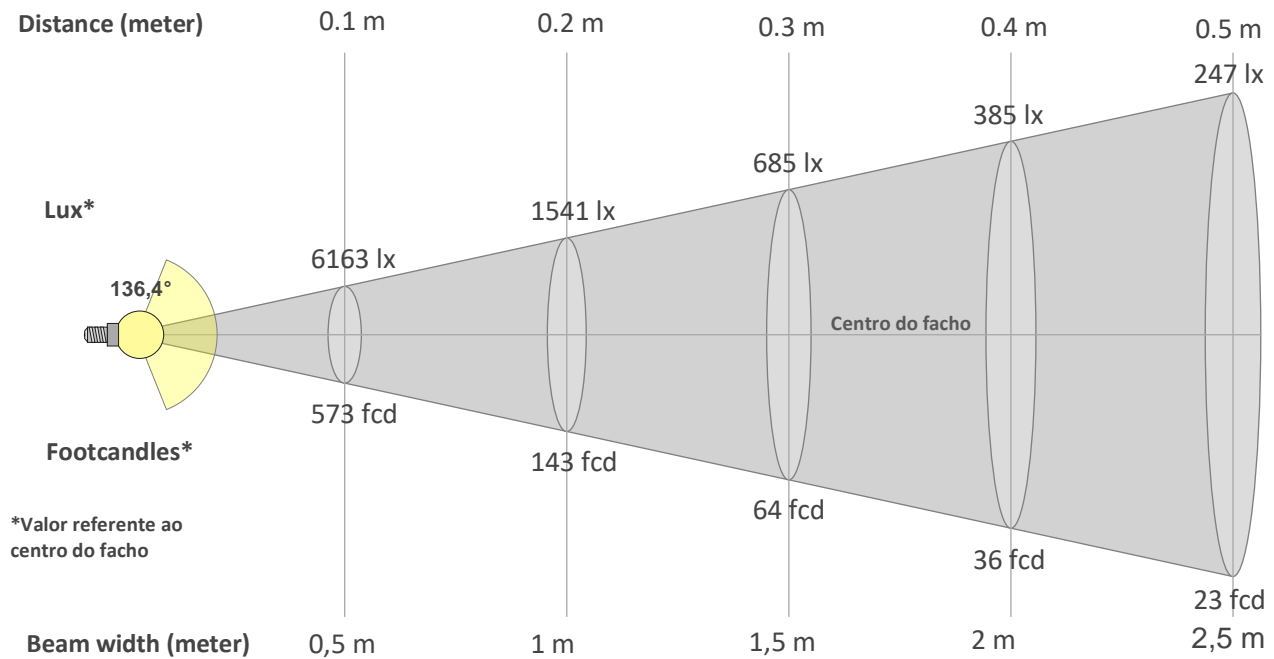
**Coeficiente de utilização**

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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	102	96	91	86	98	92	87	83	85	81	78	79	75	72	72	70	68	64
2	92	82	74	68	88	79	72	66	73	67	62	67	62	58	62	58	54	51
3	83	71	62	55	79	68	60	53	63	56	51	58	53	48	54	49	45	42
4	76	63	53	46	72	60	51	45	56	48	42	51	45	40	48	42	38	35
5	69	56	46	39	66	53	45	38	50	42	36	46	39	34	43	37	33	30
6	64	50	40	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26
7	59	45	36	29	56	43	35	29	40	33	27	38	31	26	35	29	25	23
8	55	41	32	26	52	39	31	25	37	30	24	34	28	23	32	26	22	20
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18
10	48	34	26	21	46	33	26	20	31	24	20	29	23	19	27	22	18	16

**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
62lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
5,7fcd	1,4fcd	0,6fcd	0,4fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

### Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
61,6	61,0	57,9	53,3	47,0	39,9	31,6	23,1	14,2	6,2	1,9	1,5	1,4	1,1	1,2	1,1	1,2	0,9	1,0	0,9
100%	99%	94%	86%	76%	65%	51%	37%	23%	10%	3%	2%	2%	2%	2%	2%	2%	1%	2%	1%

### Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
61,6	61,4	60,2	57,9	54,6	51,0	46,2	41,7	36,1	30,8	26,0	21,0	16,6	11,9	8,2	5,1	3,4	1,8	1,0	1,0
100%	100%	98%	94%	89%	83%	75%	68%	59%	50%	42%	34%	27%	19%	13%	8%	5%	3%	2%	2%

### Intensities in 180° c-plane

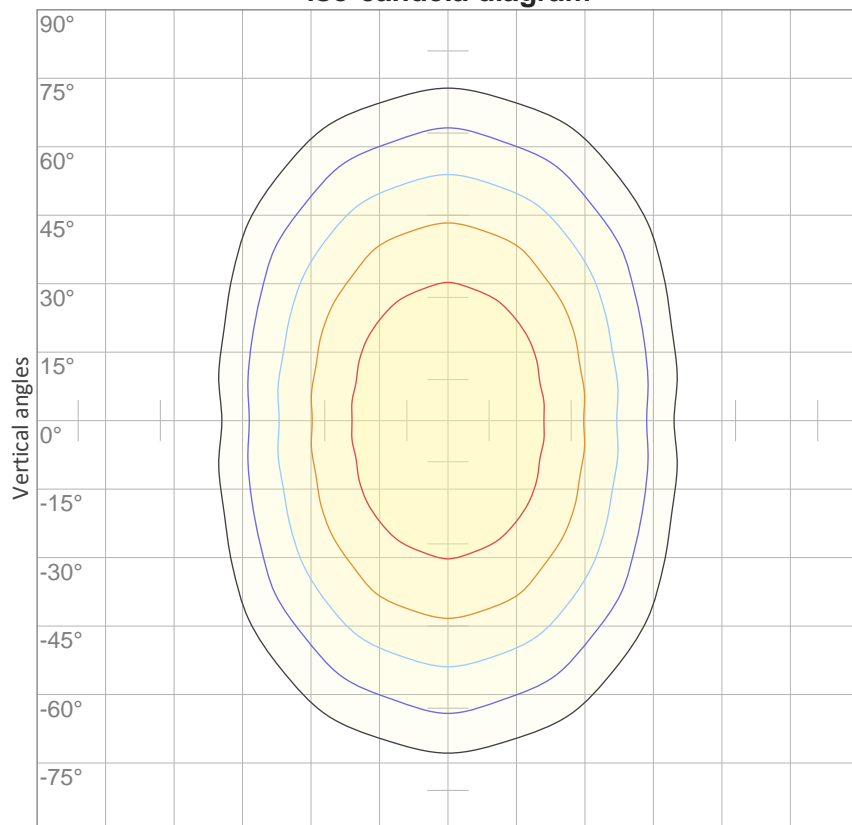
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
61,6	61,0	57,9	53,3	47,0	39,9	31,6	23,1	14,2	6,2	1,9	1,5	1,4	1,1	1,2	1,1	1,2	0,9	1,0	0,9
100%	99%	94%	86%	76%	65%	51%	37%	23%	10%	3%	2%	2%	2%	2%	2%	2%	1%	2%	1%

### Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
61,6	61,4	60,2	57,9	54,6	51,0	46,2	41,7	36,1	30,8	26,0	21,0	16,6	11,9	8,2	5,1	3,4	1,8	1,0	1,0
100%	100%	98%	94%	89%	83%	75%	68%	59%	50%	42%	34%	27%	19%	13%	8%	5%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
136,4°	226,1°	279,6°	55,6%	36,2%

**iso-candela diagram**



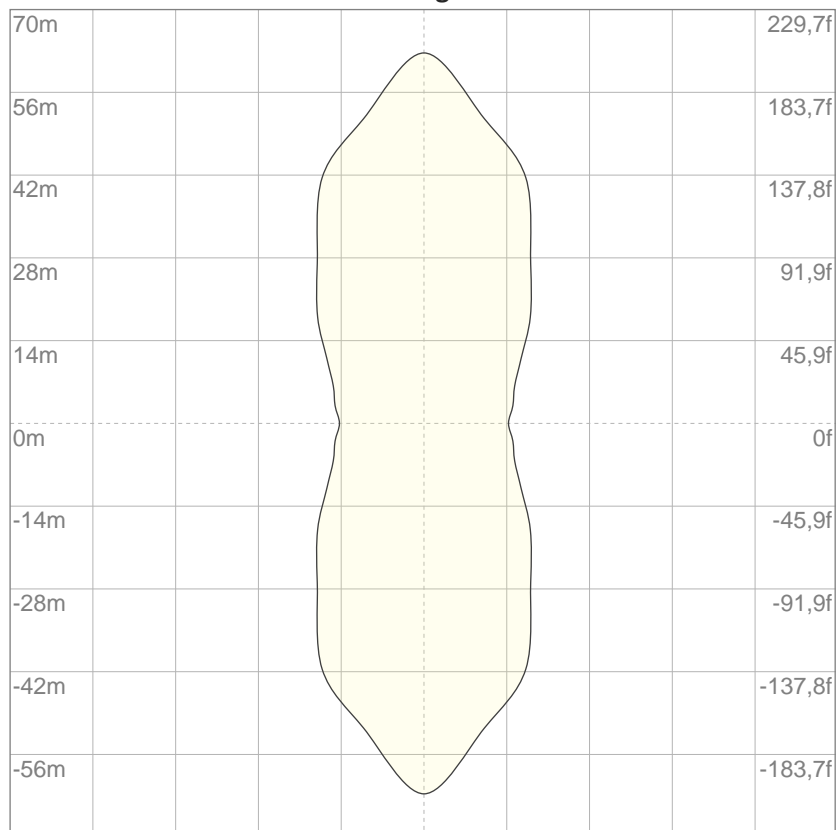
10%	6 cd
20%	12 cd
30%	18 cd
40%	25 cd
50%	31 cd
60%	37 cd
70%	43 cd
80%	49 cd
90%	55 cd

Conditions:

Number of c-planes: 16

Candela at center: 62 cd

**iso-lux diagram**



3%	18,5m lx
5%	30,8m lx
10%	61,6m lx
30%	0,185 lx
50%	0,308 lx

Conditions:

Number of c-planes: 16

Lux at center: 0,616 lx

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

[illegible]

**FP: 1,0**

**THD tensão: n/a**