

## P50 SLED9017 BRANCA FITA 19WM 3500K 80 - 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 – 960 lm/m

Potência – 19,2 W/m

Intensidade pico – 375cd

CCT – 3426K



IRC – 84,4

Coordenada CIE 1931 – x- 0,409 y- 0,392

A x L - 50x50

Peso - 1,1kg/m

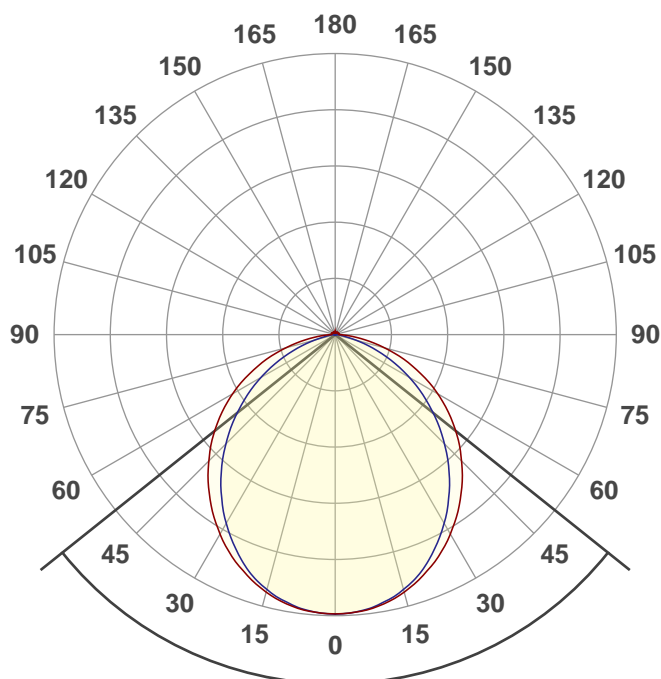
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

22/01/2021 11:14:01



Facho de abertura

**102,7°**

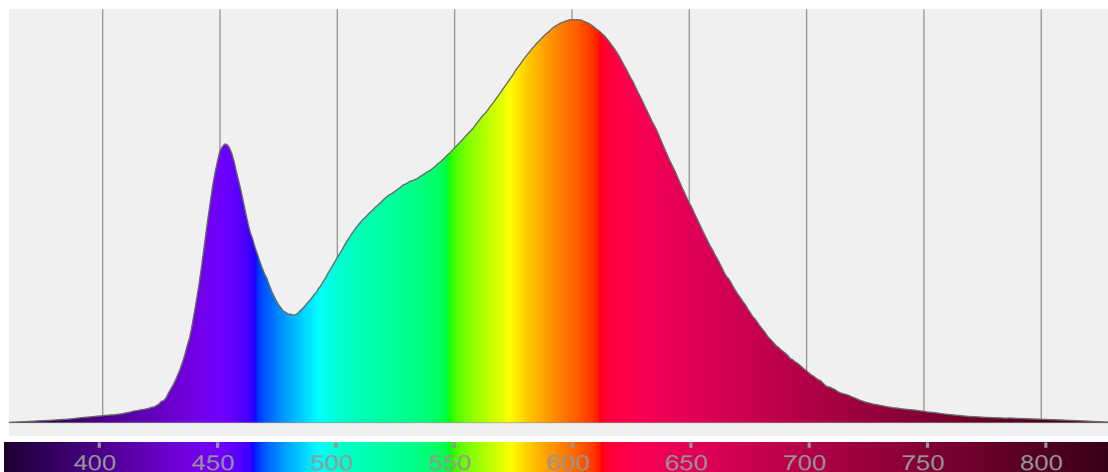
**Rf 85,6**

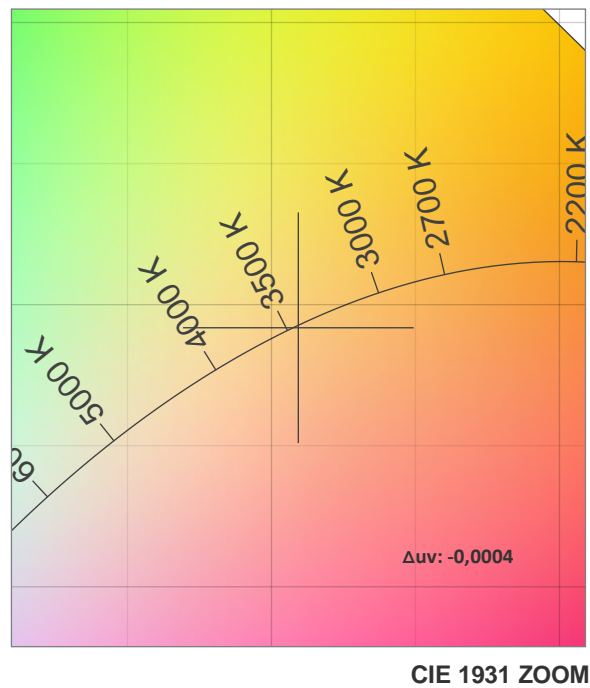
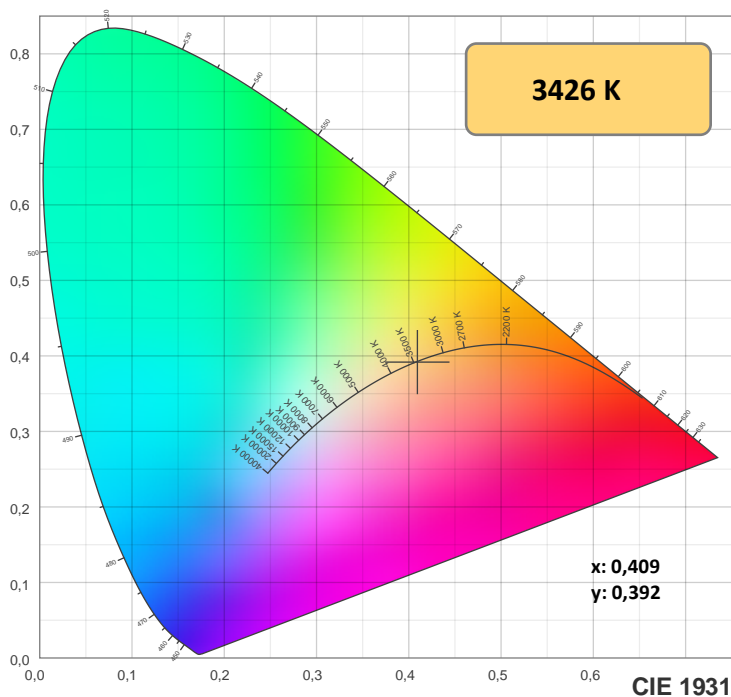
Fidelity index Rf

**Rg 95,6**

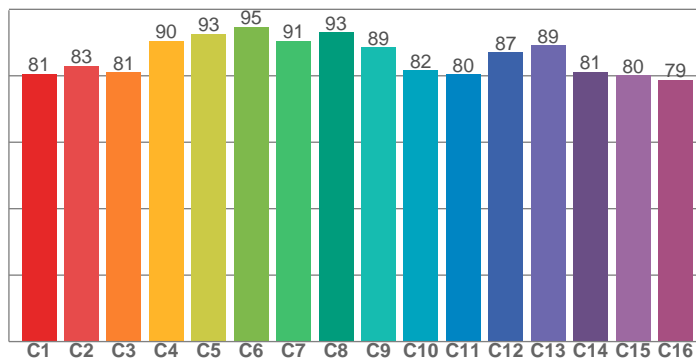
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-12%	0%
2	83	-8%	6%
3	81	-3%	9%
4	90	0%	5%
5	93	-1%	3%
6	95	1%	-2%
7	91	-5%	-3%
8	93	-4%	0%
9	89	-5%	6%
10	82	-4%	11%
11	80	2%	12%
12	87	8%	2%
13	89	4%	-6%
14	81	5%	-15%
15	80	-3%	-14%
16	79	-7%	-11%

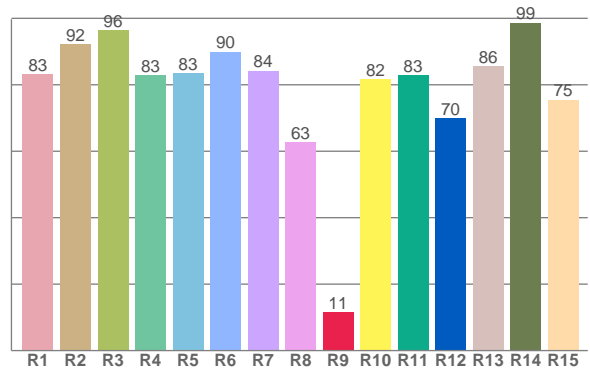




TM-30: 85,6



CRI: 84,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,2	92,2	96,4	82,9	83,4	89,9	84,2	62,6	11,5	81,8	82,8	70,0	85,6	98,7	75,5

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,5	83,0	81,0	90,5	92,6	94,7	90,5	93,1	88,6	81,6	80,4	87,0	89,1	81,1	80,1	78,7

## 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
3426 K	84,4	11,5	85,6	95,6	83,8	0,409	0,392	0,238	0,342	-0,0004

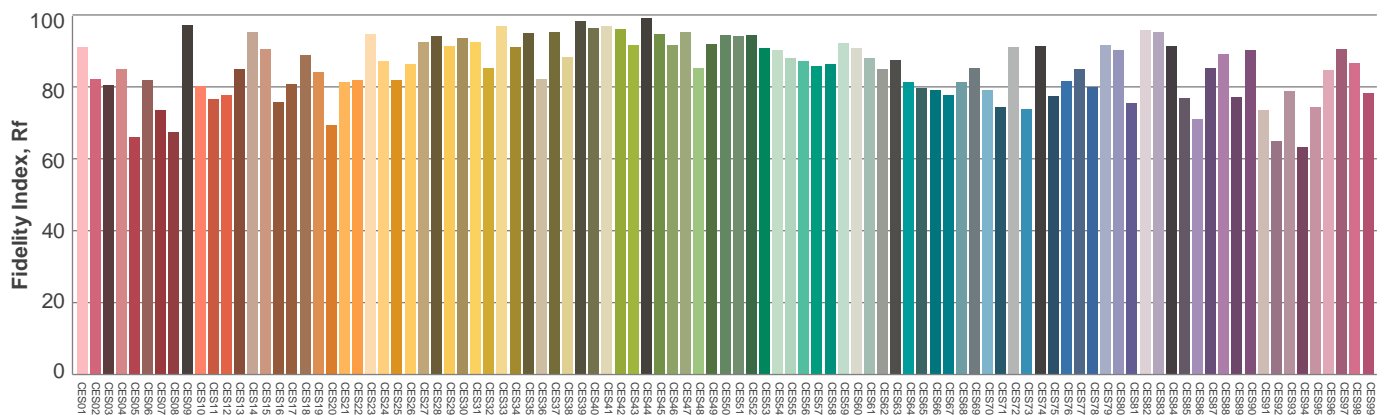
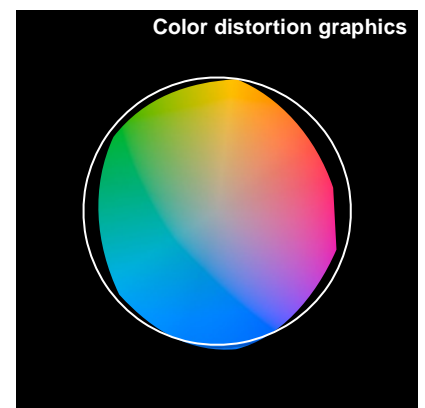
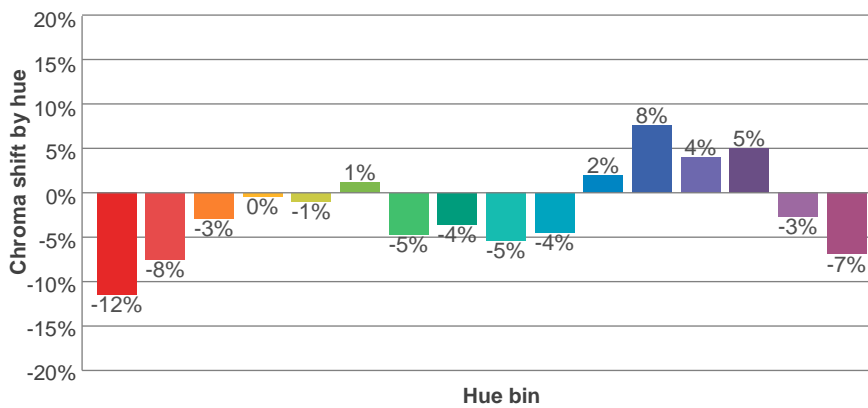
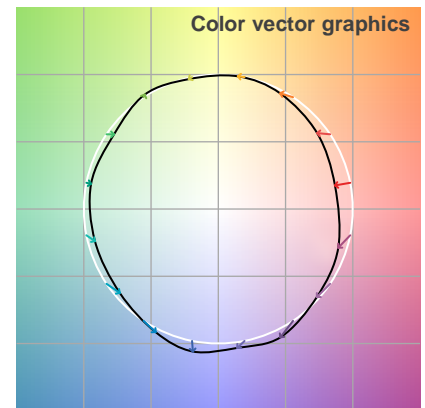
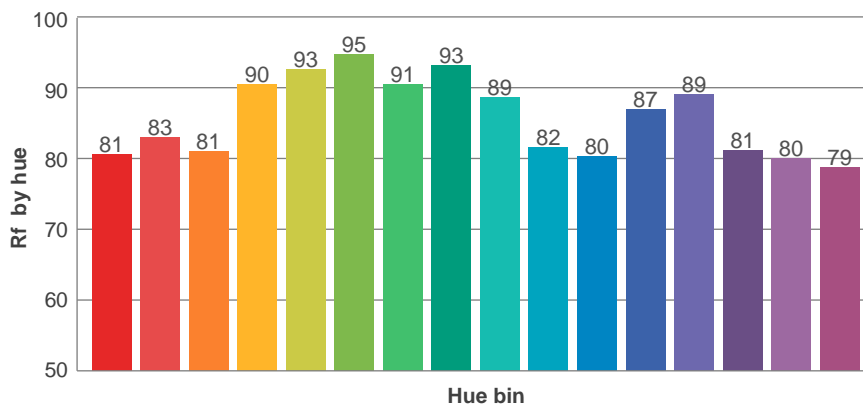
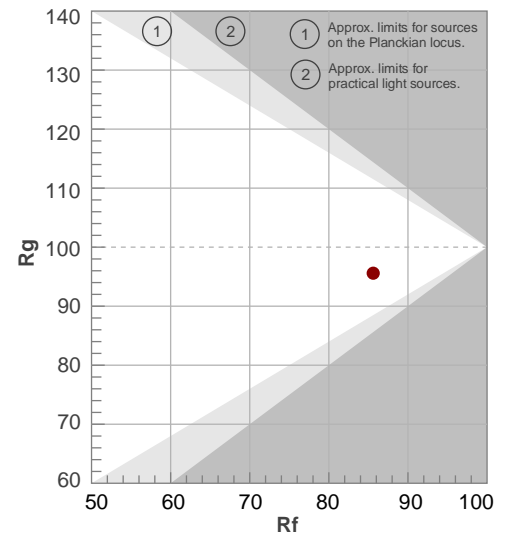
**Rf 85,6**

Fidelity index Rf

**Rg 95,6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-12%	0%
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7	91	-5%	-3%
8	93	-4%	0%
9	89	-5%	6%
10	82	-4%	11%
11	80	2%	12%
12	87	8%	2%
13	89	4%	-6%
14	81	5%	-15%
15	80	-3%	-14%
16	79	-7%	-11%



Glare Evaluation According to UGR

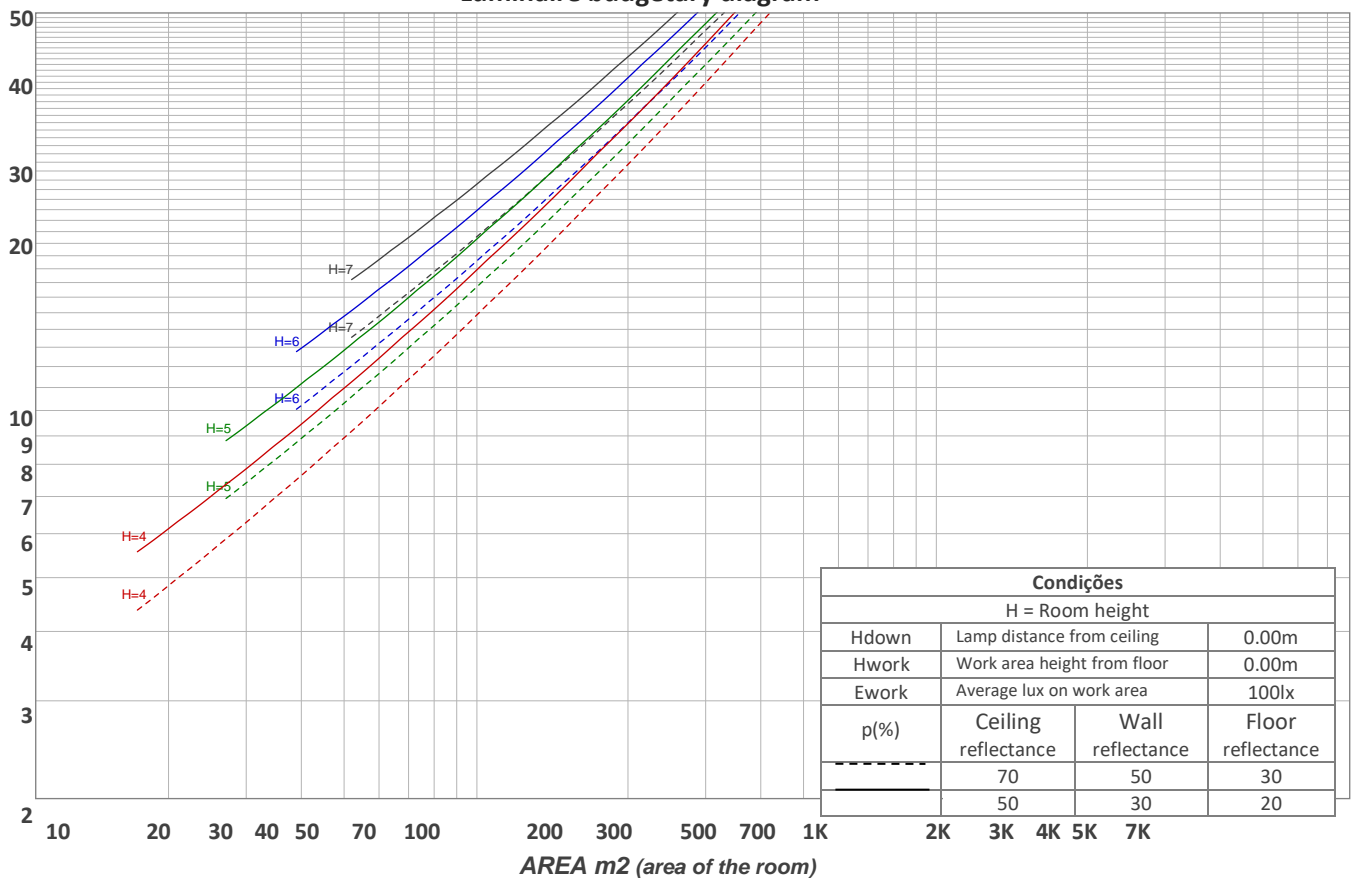
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,0	21,1	20,2	21,5	21,7	18,8	19,9	19,0	20,2	20,5
	3H	21,4	22,6	21,9	22,9	23,2	19,6	20,8	20,0	21,1	21,3
	4H	22,1	23,2	22,5	23,5	23,8	19,8	21,0	20,3	21,3	21,6
	6H	22,6	23,5	22,9	23,9	24,3	20,0	21,0	20,3	21,3	21,7
	8H	22,7	23,7	23,1	24,0	24,4	20,0	20,9	20,3	21,3	21,7
	12H	22,8	23,7	23,2	24,1	24,6	19,9	20,9	20,3	21,2	21,7
4H	2H	20,4	21,5	20,8	21,8	22,1	19,4	20,5	19,8	20,8	21,1
	3H	22,1	23,1	22,5	23,4	23,9	20,5	21,4	20,9	21,8	22,3
	4H	22,8	23,6	23,2	24,1	24,6	20,7	21,6	21,2	22,0	22,6
	6H	23,3	24,1	23,8	24,5	24,9	20,8	21,7	21,4	22,0	22,4
	8H	23,5	24,2	24,0	24,6	25,0	20,9	21,6	21,4	22,0	22,4
	12H	23,6	24,2	24,1	24,7	25,2	20,8	21,5	21,4	21,9	22,4
8H	4H	22,8	23,6	23,4	24,0	24,4	21,0	21,7	21,5	22,1	22,5
	6H	23,5	24,1	24,0	24,5	25,1	21,2	21,7	21,7	22,2	22,8
	8H	23,8	24,2	24,3	24,8	25,5	21,2	21,7	21,8	22,3	22,9
	12H	24,0	24,4	24,6	24,9	25,5	21,3	21,7	21,9	22,2	22,8
12H	4H	22,8	23,4	23,3	23,9	24,4	21,0	21,6	21,5	22,1	22,6
	6H	23,5	24,0	24,0	24,5	25,2	21,2	21,7	21,8	22,3	22,9
	8H	23,8	24,2	24,4	24,7	25,3	21,3	21,7	21,9	22,2	22,9
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 / -0,6				
S = 2.0H		0,5 / -0,7					0,8 / -1,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 960 lm total luminous flux											

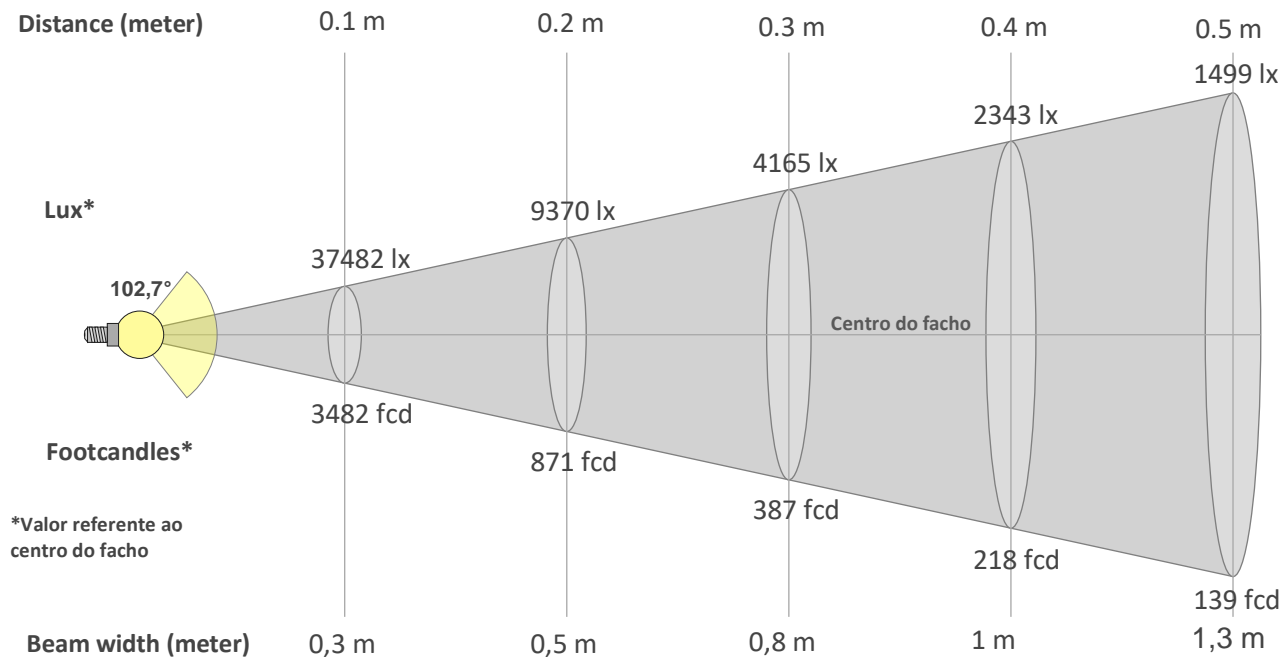
**Coeficiente de utilização**

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	98	95	92	93	91	89	90	88	86	84
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	79	72	66	76	70	65	73	68	64	70	66	62	60
4	84	72	64	57	81	71	63	57	68	61	56	65	59	55	63	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	57	51	47	45
6	71	58	50	43	69	57	49	43	55	48	43	53	47	42	52	46	42	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	43	38	33	31
9	58	44	36	31	56	44	36	31	43	36	31	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	37	32	27	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
375lx	94lx	42lx	23lx	15lx	10lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
34,8fcd	8,7fcd	3,9fcd	2,2fcd	1,4fcd	1fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
375	373	367	358	344	328	309	288	265	240	214	187	159	129	100	69	41	19	6	5
100%	99%	98%	95%	92%	88%	82%	77%	71%	64%	57%	50%	42%	34%	27%	18%	11%	5%	2%	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°
375	373	365	354	338	316	292	266	237	207	177	146	115	84	55	29	12	5	1	1
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	47%	39%	31%	23%	15%	8%	3%	1%	0%	0%

### Intensities in 180° c-plane

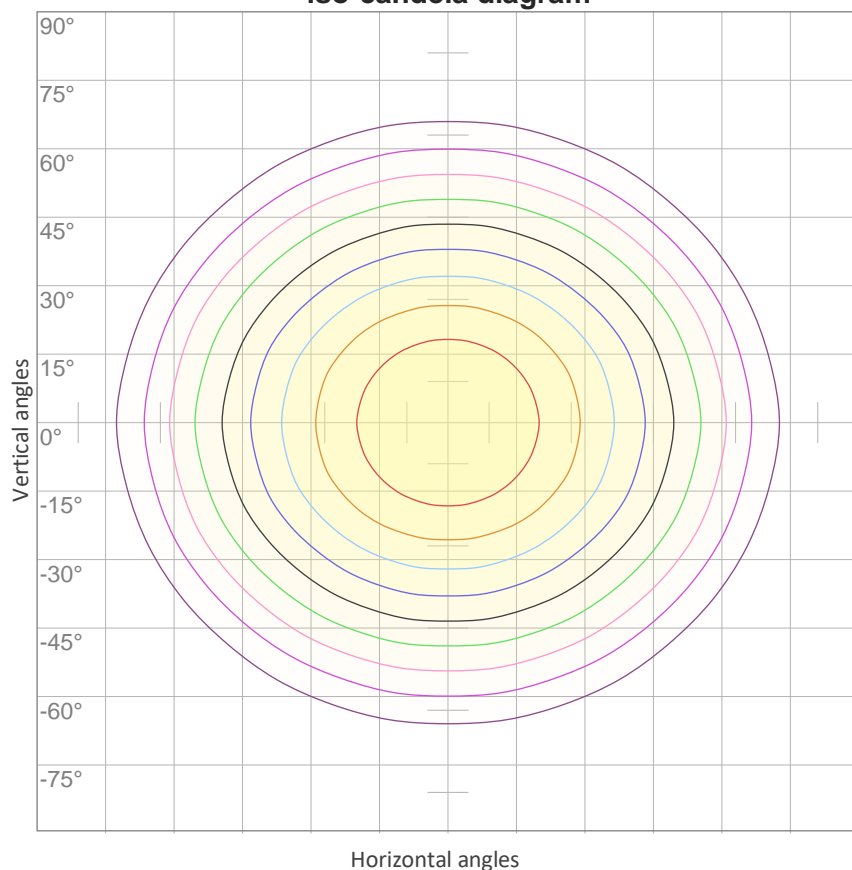
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
375	373	367	358	344	328	309	288	265	240	214	187	159	129	100	69	41	19	6	5
100%	99%	98%	95%	92%	88%	82%	77%	71%	64%	57%	50%	42%	34%	27%	18%	11%	5%	2%	1%

### 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°
375	373	365	354	338	316	292	266	237	207	177	146	115	84	55	29	12	5	1	1
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	47%	39%	31%	23%	15%	8%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,7°	153°	168,7°	81,0%	56,8%

**iso-candela diagram**



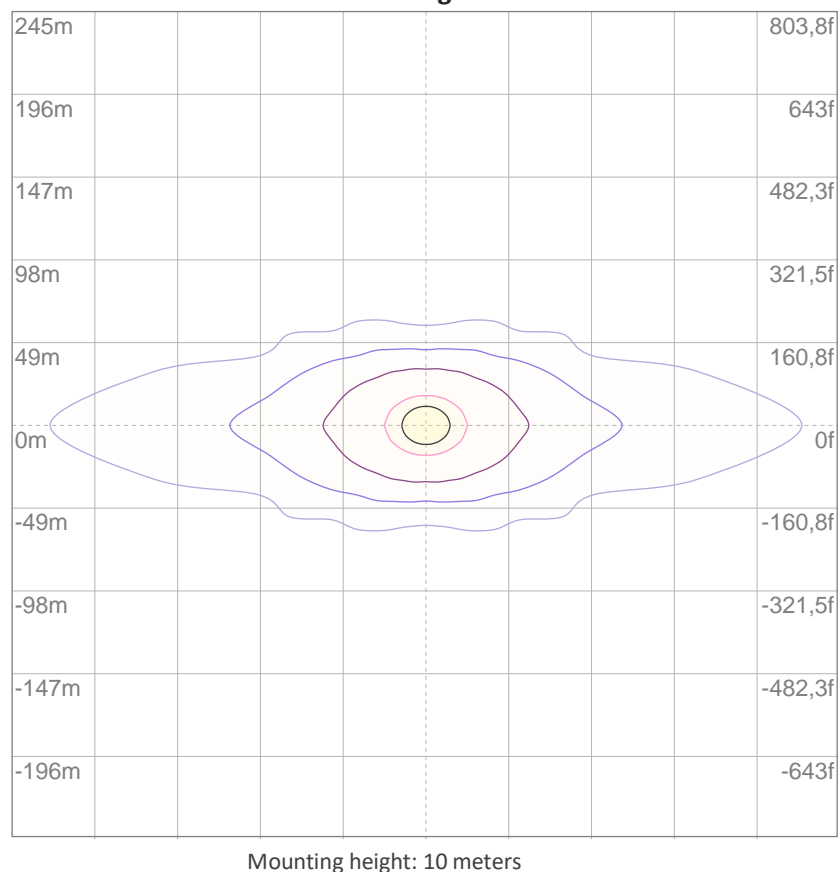
10%	37 cd
20%	75 cd
30%	112 cd
40%	150 cd
50%	187 cd
60%	225 cd
70%	262 cd
80%	300 cd
90%	337 cd

Conditions:

Number of c-planes: 16

Candela at center: 375 cd

**iso-lux diagram**



3%	0,112 lx
5%	0,187 lx
10%	0,375 lx
30%	1,12 lx
50%	1,87 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,75 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,60 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**