

## P50 SLED9017 BRANCA BARRA 23WM 3500K 90 - 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 – 1044 lm/m

Potência – 23,2 W/m

Intensidade pico – 412cd

CCT – 3422K



IRC – 93,4

Coordenada CIE 1931 – x- 0,410 y- 0,392

A x L - 50x50

Peso - 1,1kg/m

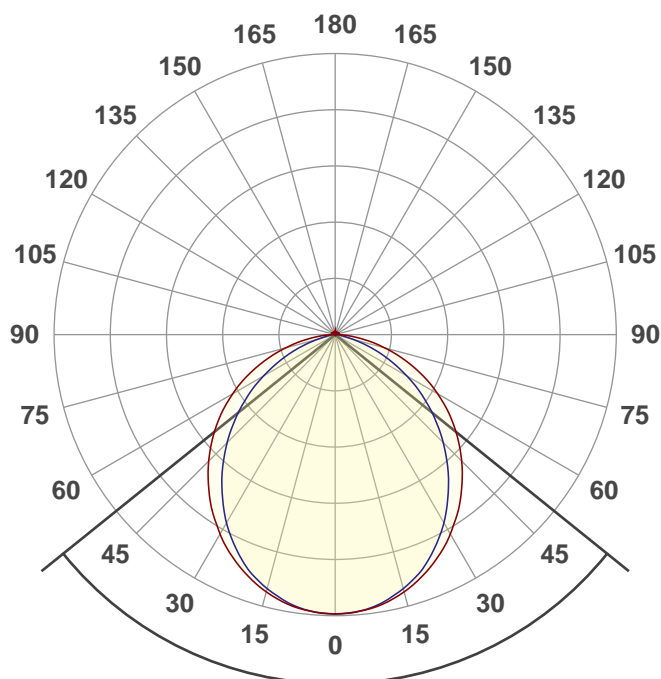
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

22/01/2021 09:18:25



Facho de abertura

**102,3°**

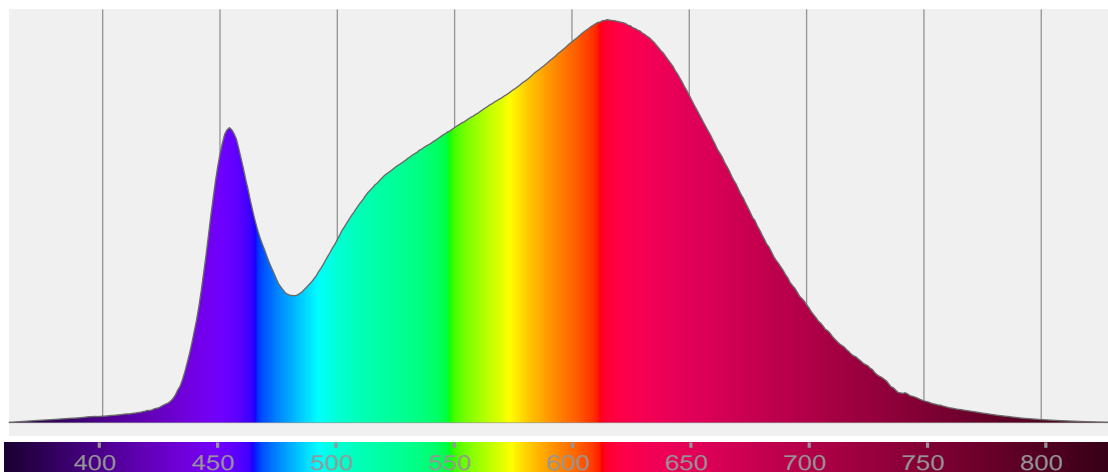
**Rf 90,9**

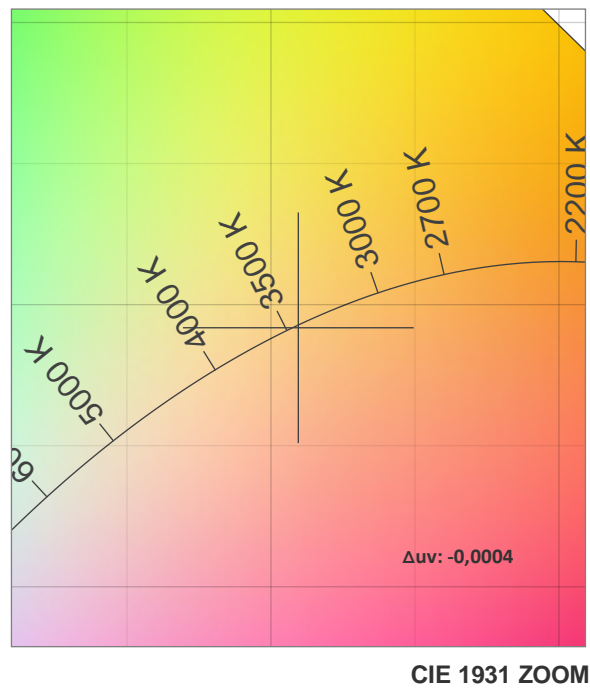
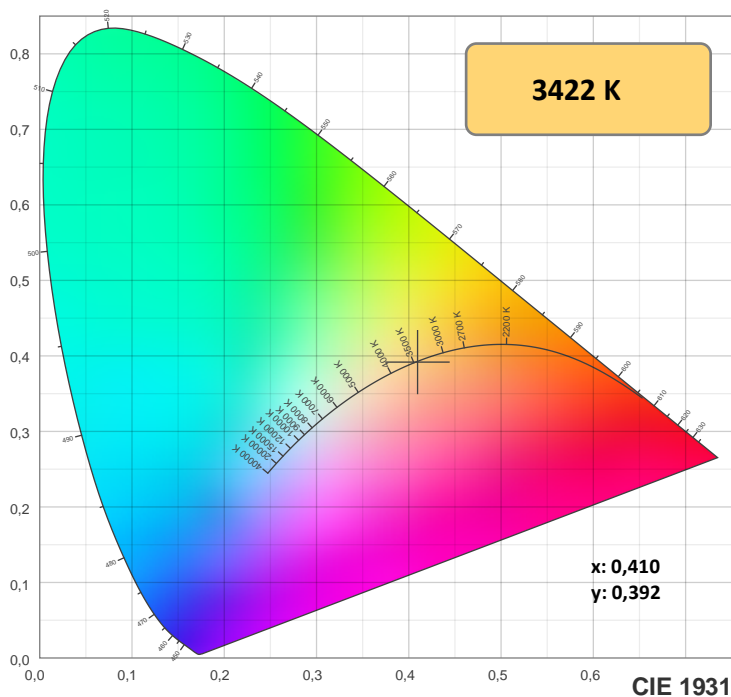
Fidelity index Rf

**Rg 98,6**

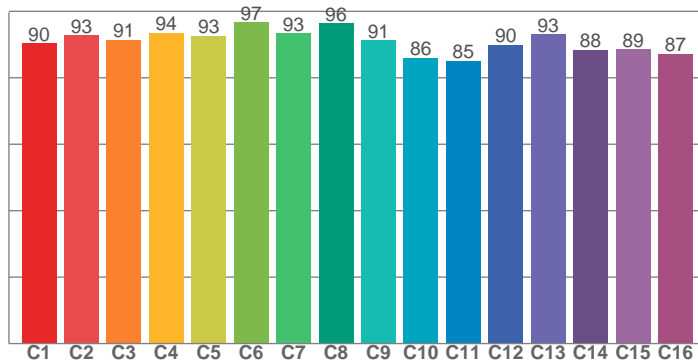
Gamut index Rg

		Shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	90	-5%	0%
2	93	-3%	2%
3	91	-1%	4%
4	94	-2%	1%
5	93	-4%	1%
6	97	0%	0%
7	93	-4%	1%
8	96	-2%	1%
9	91	-2%	6%
10	86	-1%	9%
11	85	3%	9%
12	90	7%	2%
13	93	2%	-4%
14	88	5%	-8%
15	89	0%	-7%
16	87	-2%	-7%

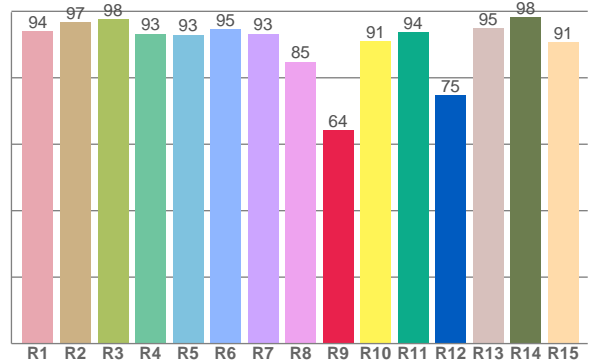




TM-30: 90,9



CRI: 93,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	96,8	97,6	93,3	93,0	94,6	93,2	84,8	64,3	90,9	93,8	74,7	95,0	98,2	90,7

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,4	92,8	91,5	93,5	92,6	96,7	93,4	96,4	91,3	85,9	85,0	89,8	93,1	88,4	88,6	87,2

## 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
3422 K	93,4	64,3	90,9	98,6	91,8	0,410	0,392	0,238	0,342	-0,0004

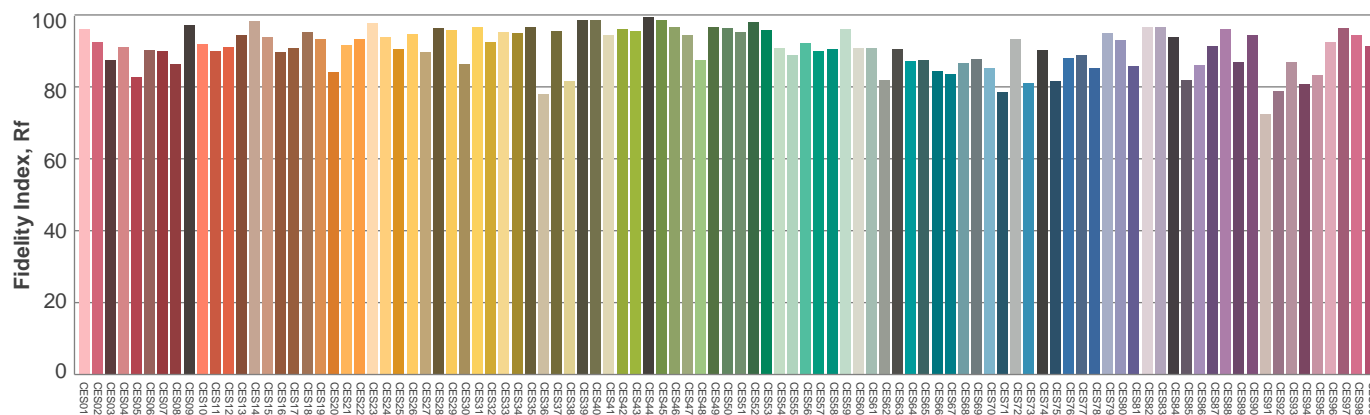
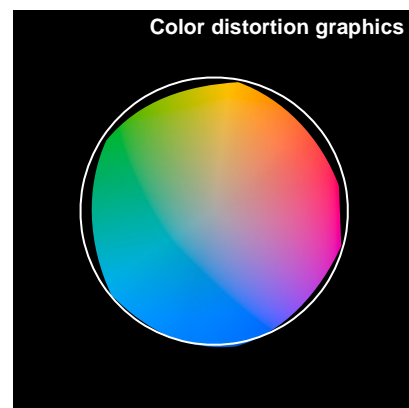
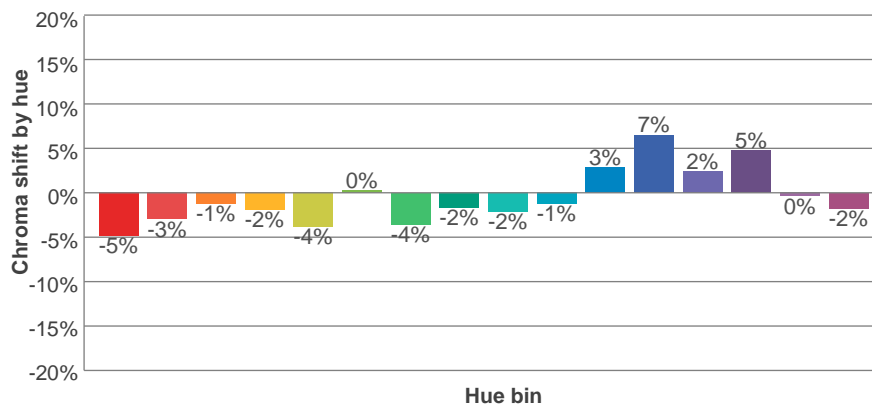
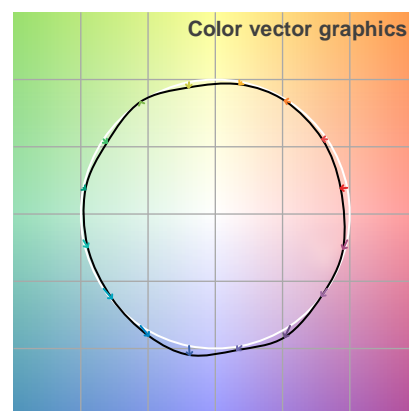
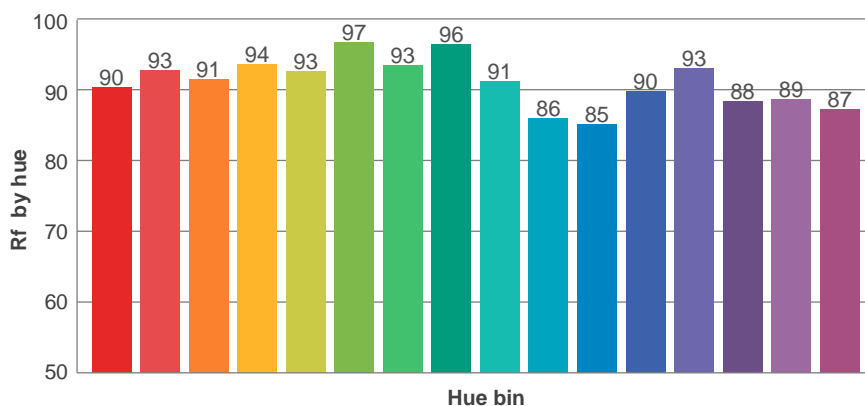
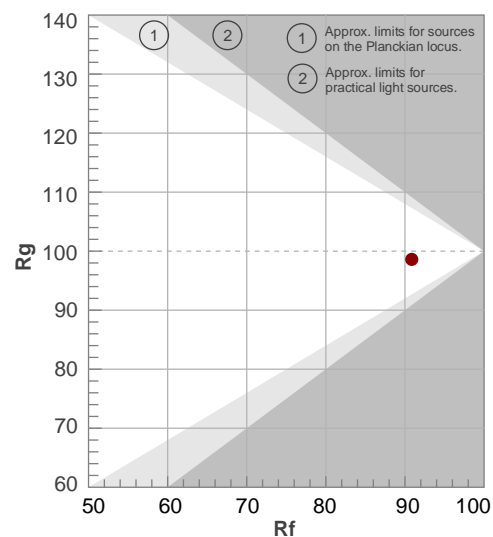
**Rf 90,9**

Fidelity index Rf

**Rg 98,6**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
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4	94	-2%	1%
5	93	-4%	1%
6	97	0%	0%
7	93	-4%	1%
8	96	-2%	1%
9	91	-2%	6%
10	86	-1%	9%
11	85	3%	9%
12	90	7%	2%
13	93	2%	-4%
14	88	5%	-8%
15	89	0%	-7%
16	87	-2%	-7%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

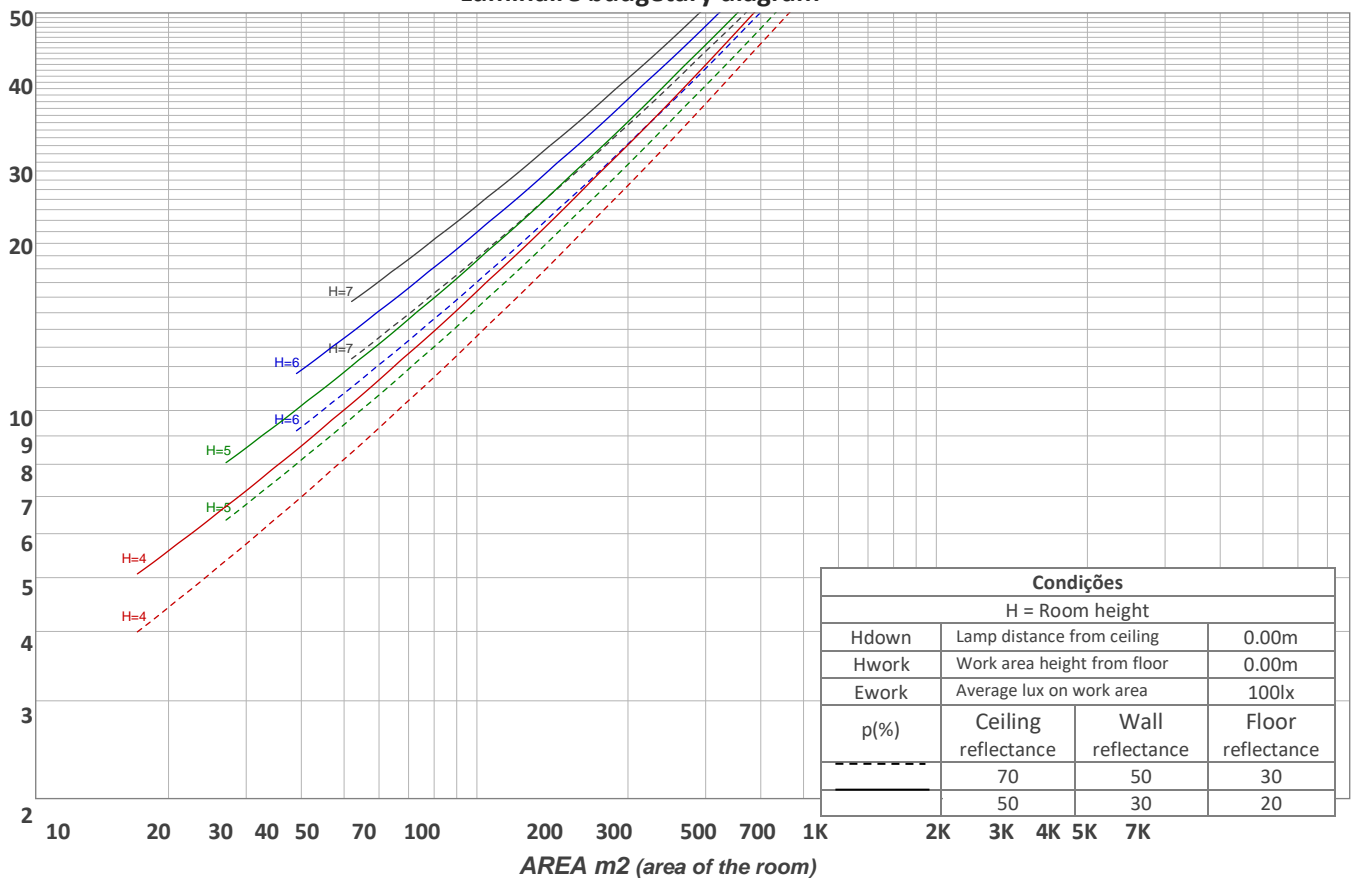
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,3	21,5	20,6	21,8	22,1	19,0	20,1	19,2	20,5	20,7
	3H	21,8	23,0	22,2	23,3	23,5	19,8	21,0	20,2	21,3	21,5
	4H	22,4	23,5	22,8	23,8	24,1	20,0	21,1	20,4	21,4	21,7
	6H	22,9	23,9	23,3	24,2	24,6	20,1	21,1	20,4	21,4	21,8
	8H	23,1	24,0	23,4	24,4	24,8	20,1	21,0	20,4	21,4	21,8
	12H	23,1	24,1	23,5	24,4	24,9	20,0	21,0	20,4	21,3	21,8
4H	2H	20,7	21,8	21,1	22,1	22,4	19,6	20,7	20,0	21,0	21,3
	3H	22,4	23,4	22,8	23,7	24,2	20,7	21,6	21,1	22,0	22,4
	4H	23,1	24,0	23,6	24,4	24,9	20,9	21,7	21,3	22,2	22,7
	6H	23,6	24,5	24,2	24,8	25,2	20,9	21,8	21,5	22,1	22,5
	8H	23,8	24,6	24,3	25,0	25,4	20,9	21,7	21,5	22,1	22,5
	12H	24,0	24,6	24,5	25,0	25,5	20,9	21,6	21,5	22,0	22,5
8H	4H	23,2	23,9	23,7	24,3	24,7	21,1	21,8	21,6	22,2	22,6
	6H	23,8	24,4	24,3	24,8	25,4	21,3	21,8	21,8	22,3	22,9
	8H	24,1	24,5	24,6	25,1	25,7	21,3	21,8	21,8	22,3	23,0
	12H	24,2	24,7	24,8	25,2	25,8	21,3	21,7	21,9	22,3	22,9
12H	4H	23,1	23,7	23,6	24,2	24,7	21,1	21,7	21,6	22,2	22,7
	6H	23,8	24,3	24,3	24,8	25,5	21,3	21,8	21,8	22,3	23,0
	8H	24,1	24,5	24,7	25,0	25,6	21,4	21,8	22,0	22,3	22,9
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,2 / -0,3				
S = 1.5H		0,2 / -0,2					0,4 / -0,7				
S = 2.0H		0,5 / -0,7					0,9 / -1,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1044 lm total luminous flux											

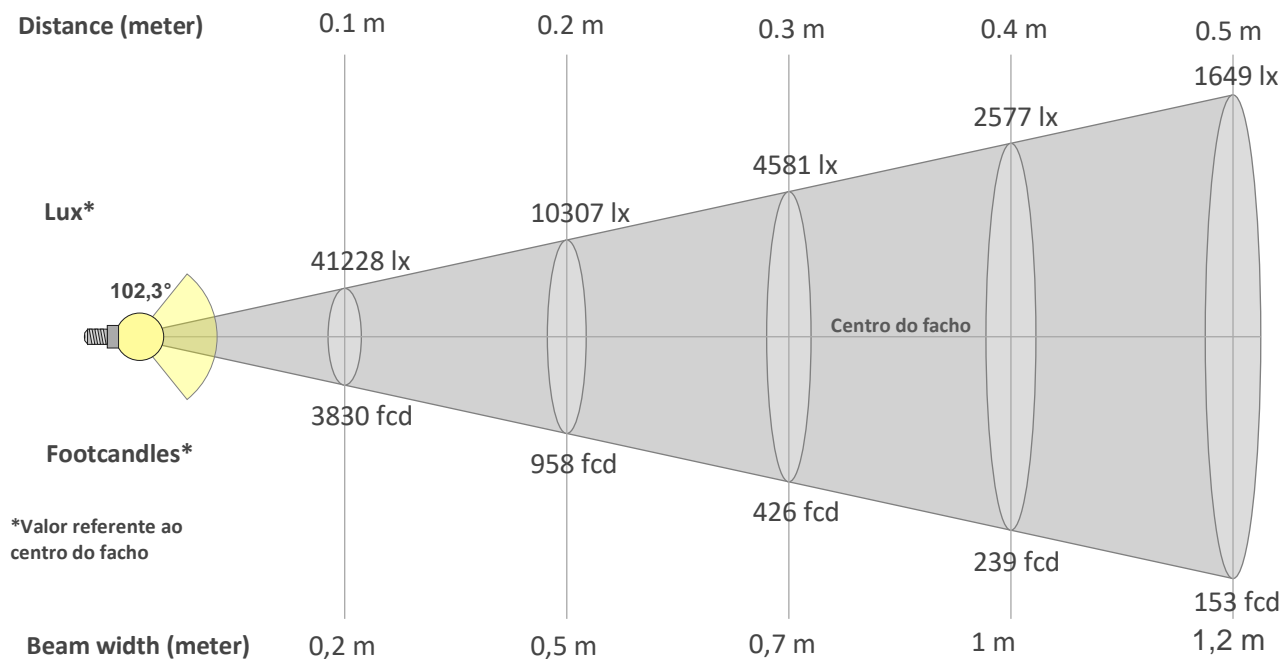
**Coeficiente de utilização**

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	98
1	109	105	101	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84
2	100	92	86	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	73	68	64	71	66	63	60
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	55	49	61	54	49	59	53	48	57	52	47	45
6	71	58	50	44	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	34	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
412lx	103lx	46lx	26lx	16lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
38,3fcd	9,6fcd	4,3fcd	2,4fcd	1,5fcd	1,1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	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°
412	410	404	393	378	360	340	316	291	264	235	206	174	142	109	76	46	20	6	4
100%	99%	98%	95%	92%	87%	82%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	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°
412	409	401	388	371	347	321	290	259	225	191	157	122	88	56	28	12	5	1	1
100%	99%	97%	94%	90%	84%	78%	70%	63%	55%	46%	38%	30%	21%	14%	7%	3%	1%	0%	0%

### Intensities in 180° c-plane

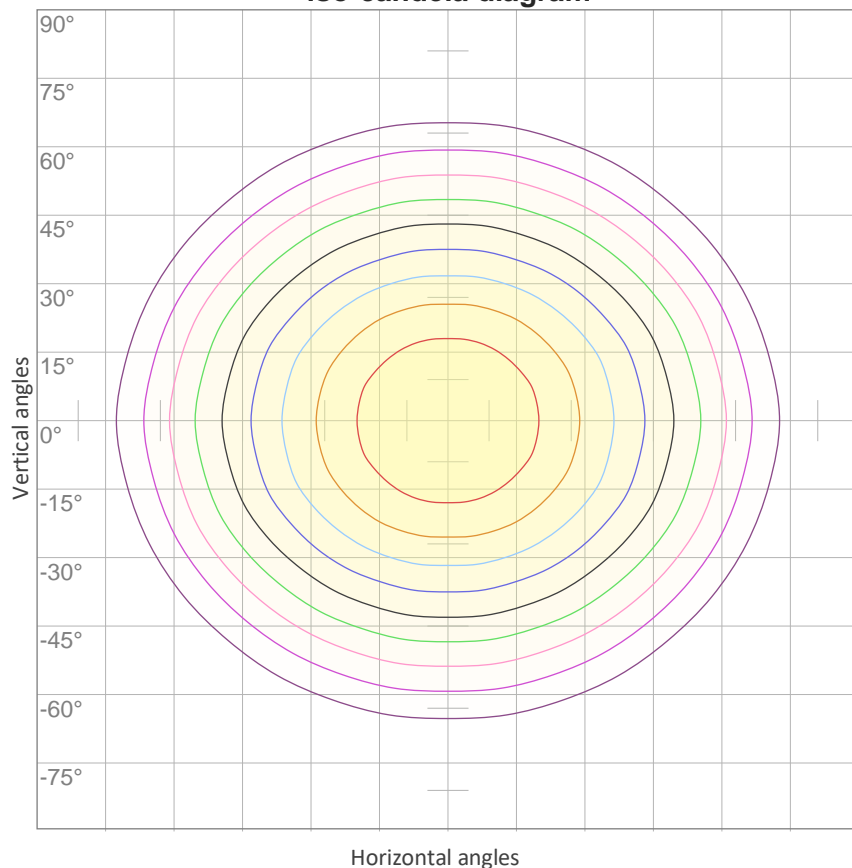
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
412	410	404	393	378	360	340	316	291	264	235	206	174	142	109	76	46	20	6	4
100%	99%	98%	95%	92%	87%	82%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	5%	1%	1%

### 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°
412	409	401	388	371	347	321	290	259	225	191	157	122	88	56	28	12	5	1	1
100%	99%	97%	94%	90%	84%	78%	70%	63%	55%	46%	38%	30%	21%	14%	7%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,3°	152,3°	167,7°	81,6%	57,3%

**iso-candela diagram**



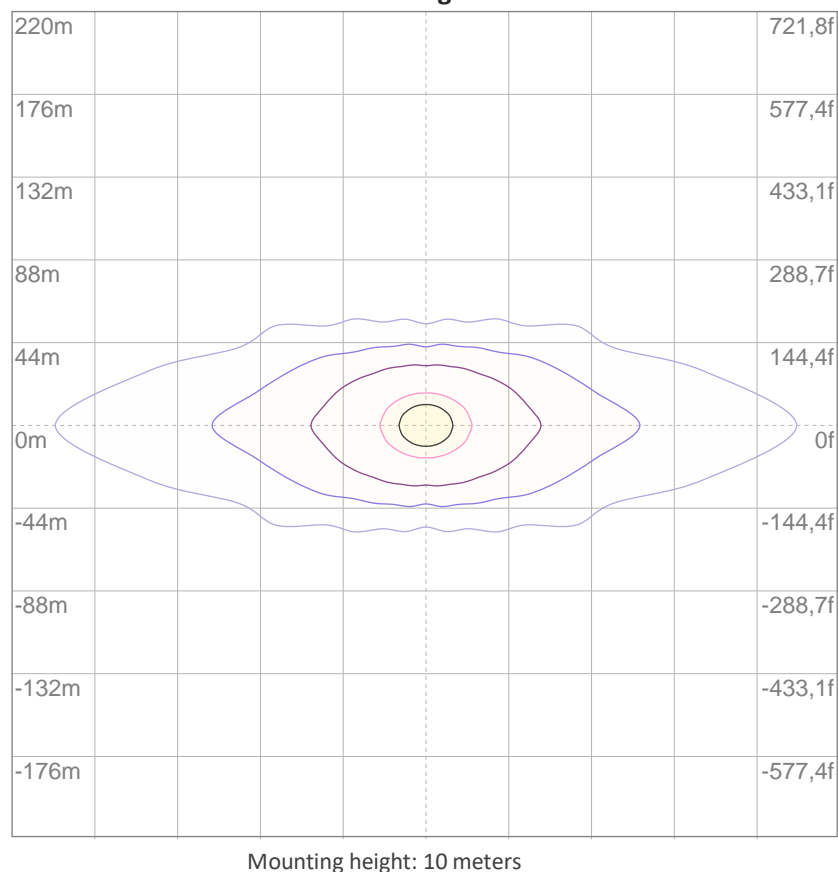
10%	41 cd
20%	82 cd
30%	124 cd
40%	165 cd
50%	206 cd
60%	247 cd
70%	289 cd
80%	330 cd
90%	371 cd

Conditions:

Number of c-planes: 16

Candela at center: 412 cd

**iso-lux diagram**



3%	0,124 lx
5%	0,206 lx
10%	0,412 lx
30%	1,24 lx
50%	2,06 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,12 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,93 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**