

P50 SLED9017 BRANCA FITA 11WM 2400K 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 – 416 lm/m

Potência – 10,7 W/m

Intensidade pico – 171cd

CCT – 2435K



IRC – 96,4

Coordenada CIE 1931 – x- 0,488 y- 0,422

A x L - 50x50

Peso - 1,1kg/m

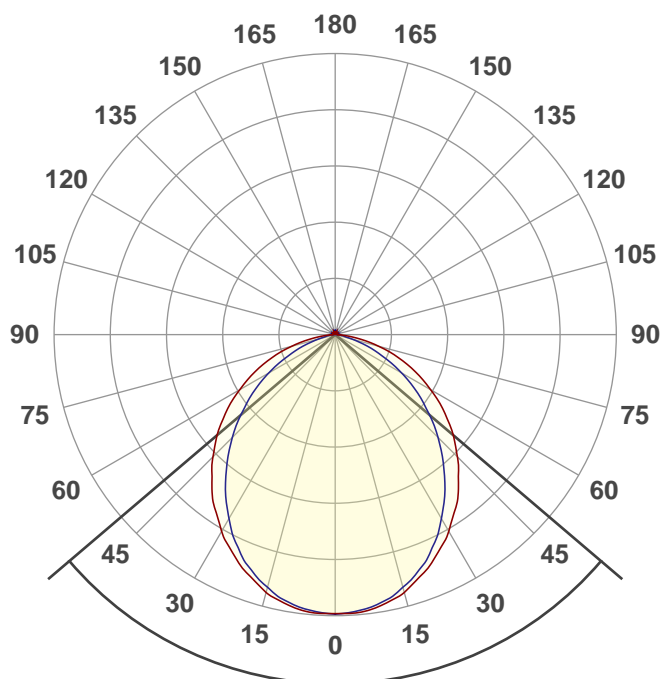
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

22/11/2022 16:58:47



Facho de abertura

99,1°

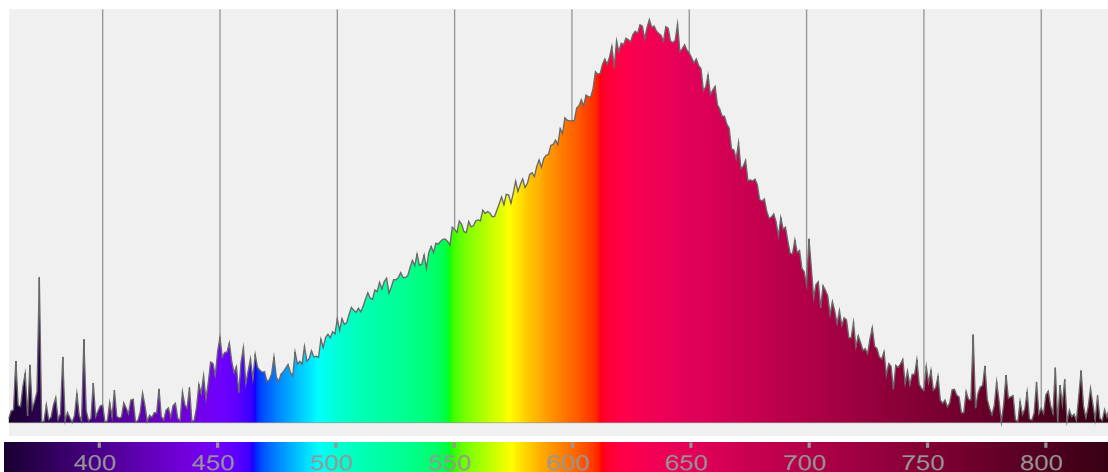
Rf 95,1

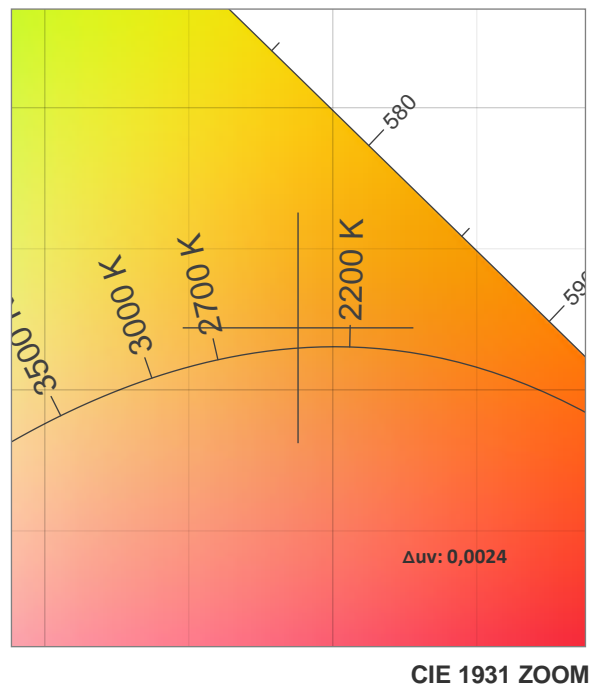
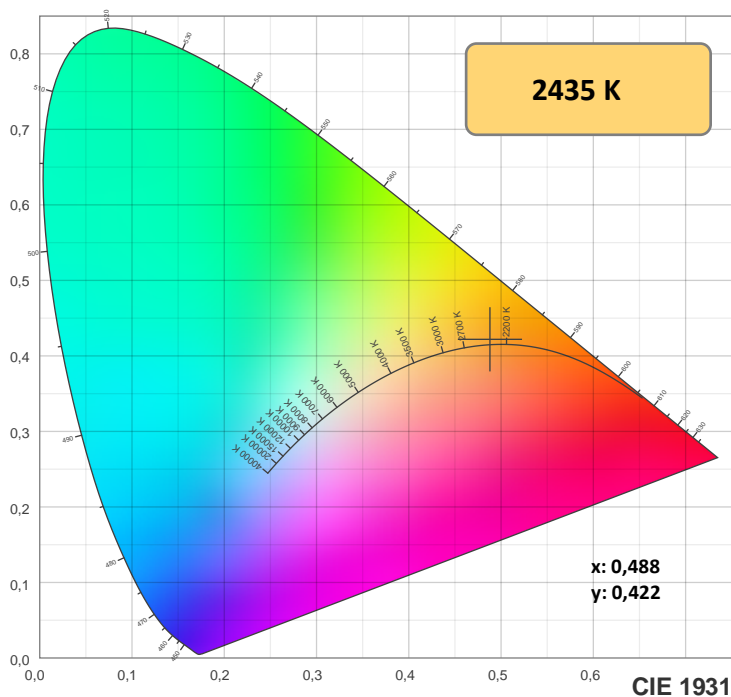
Fidelity index Rf

Rg 97,7

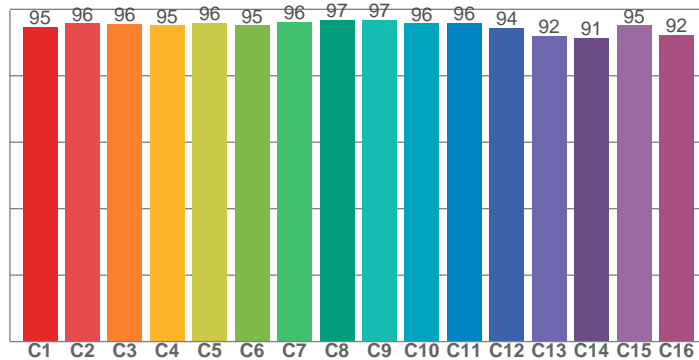
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-2%	0%
3	96	-2%	0%
4	95	-3%	-1%
5	96	-3%	2%
6	95	-1%	3%
7	96	-2%	1%
8	97	0%	2%
9	97	-1%	2%
10	96	-1%	2%
11	96	1%	2%
12	94	2%	-1%
13	92	1%	-7%
14	91	0%	-6%
15	95	-2%	-2%
16	92	-3%	-5%

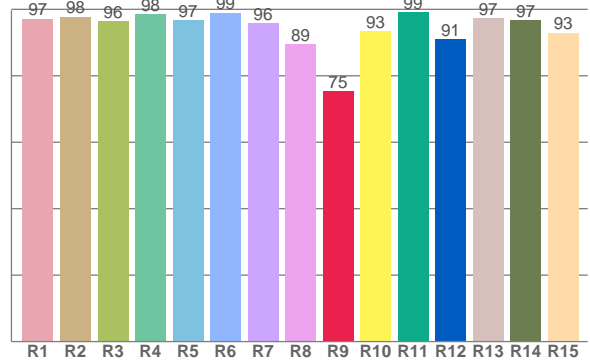




TM-30: 95,1



CRI: 96,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,1	97,8	96,4	98,5	96,8	99,0	95,9	89,5	75,4	93,4	99,1	91,1	97,4	96,7	93,0

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	95,8	95,6	95,2	96,0	95,2	96,3	96,8	96,9	95,8	95,8	94,4	92,0	91,4	95,2	92,3

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
2435 K	96,4	75,4	95,1	97,7	89,9	0,488	0,422	0,275	0,357	0,0024

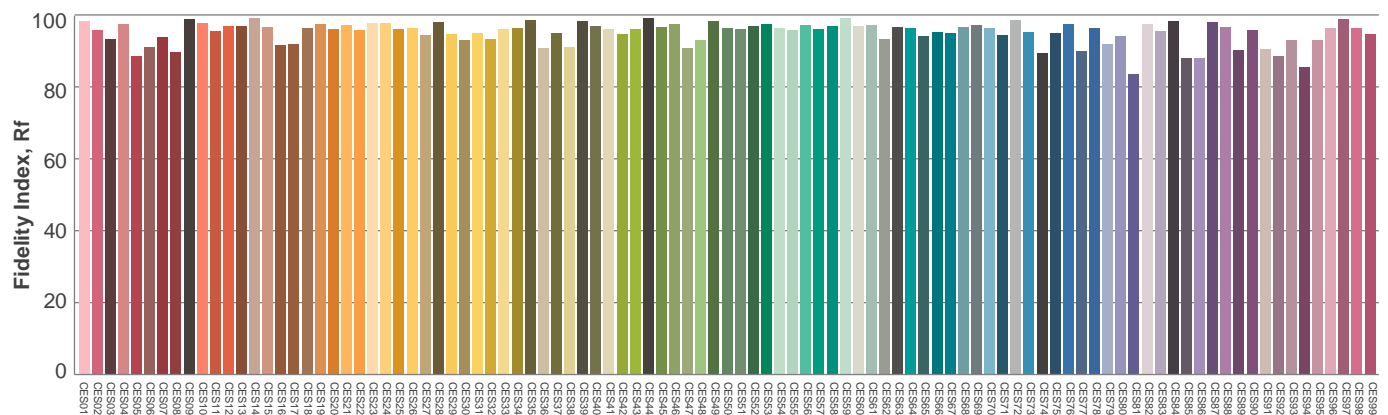
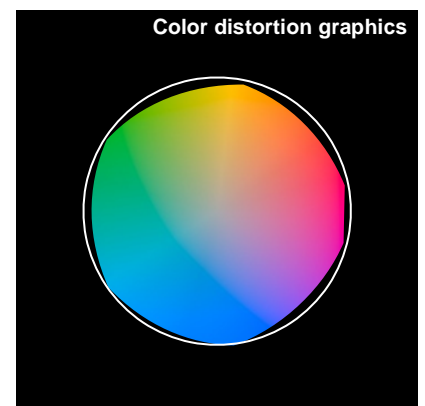
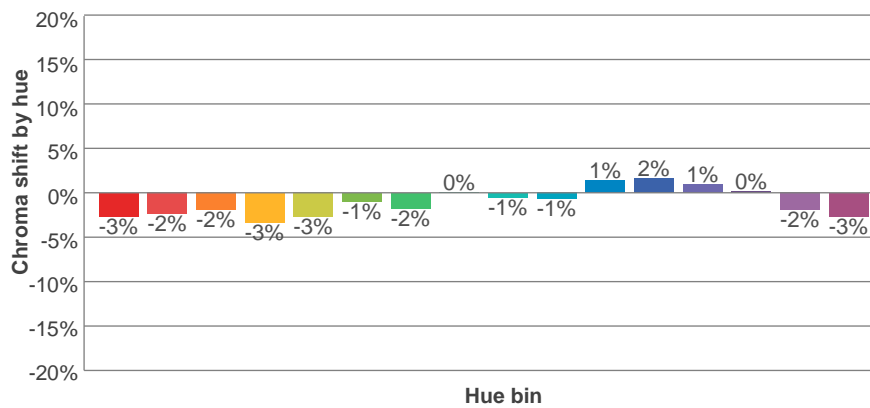
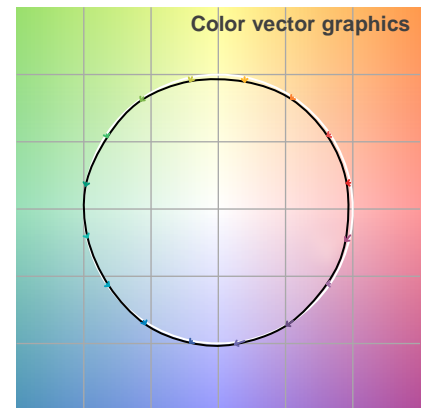
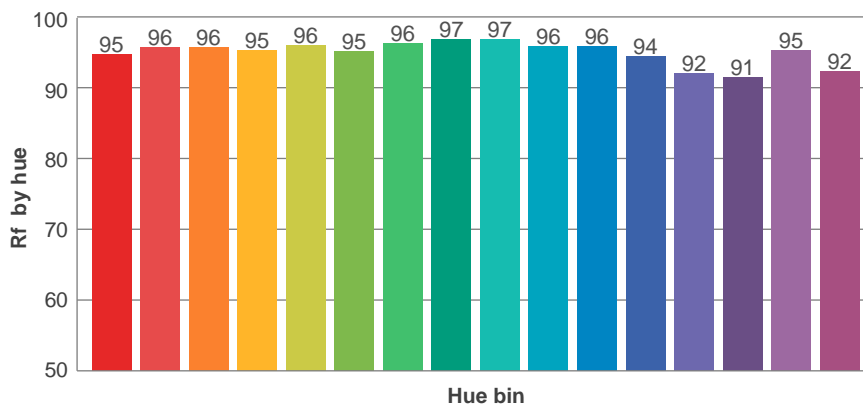
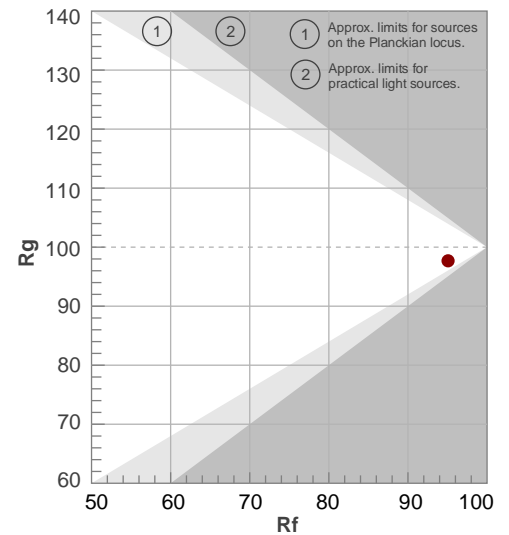
Rf 95,1

Fidelity index R_f

Rg 97,7

Gamut index Rg

		Shifts (%)	
Hue Bin	R_t	Chroma	Hue
1	95	-3%	0%
2	96	-2%	0%
3	96	-2%	0%
4	95	-3%	-1%
5	96	-3%	2%
6	95	-1%	3%
7	96	-2%	1%
8	97	0%	2%
9	97	-1%	2%
10	96	-1%	2%
11	96	1%	2%
12	94	2%	-1%
13	92	1%	-7%
14	91	0%	-6%
15	95	-2%	-2%
16	92	-3%	-5%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

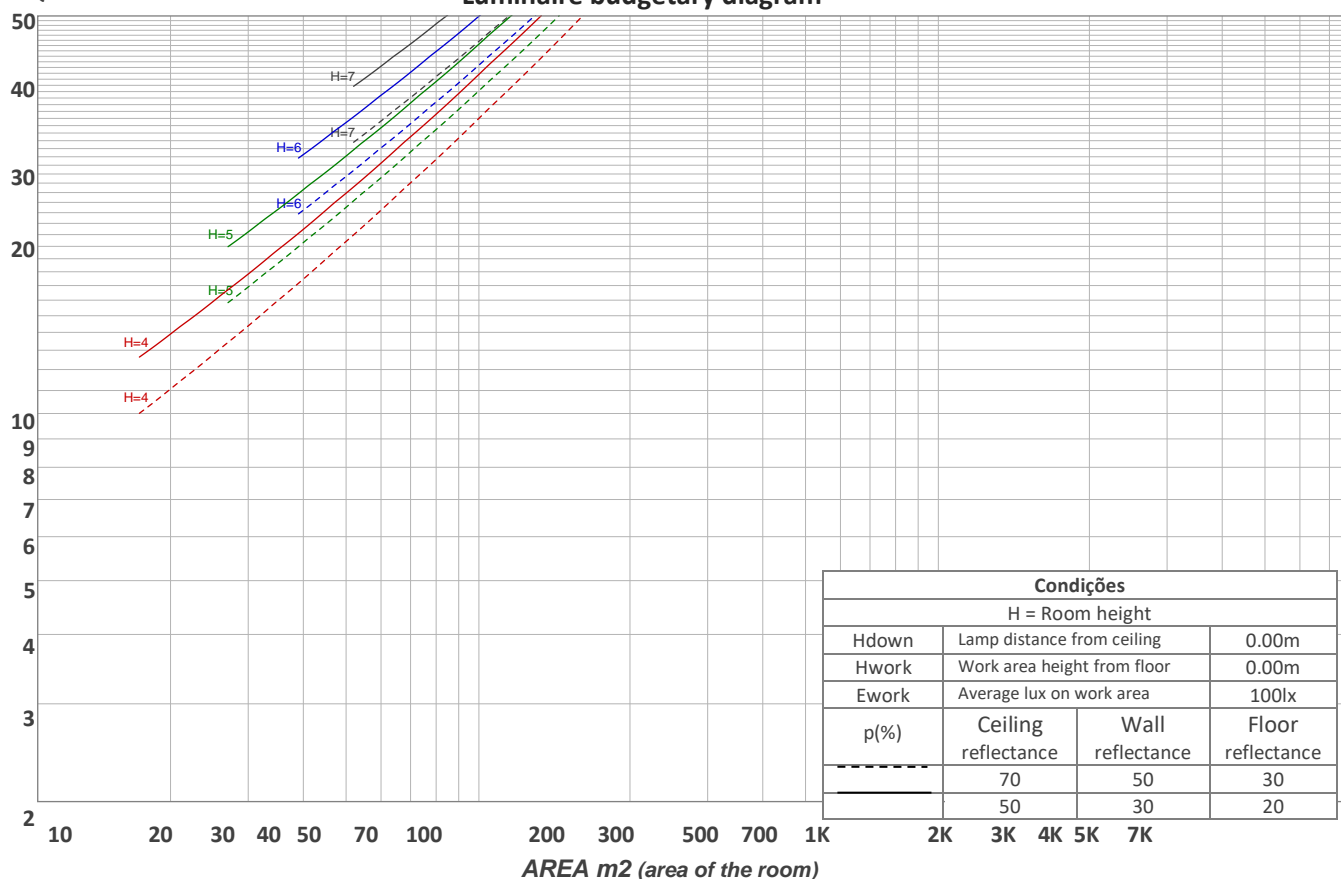
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17,0	18,1	17,3	18,5	18,7	15,6	16,7	15,9	17,1	17,3
	3H	18,4	19,5	18,8	19,8	20,1	16,3	17,5	16,8	17,8	18,1
	4H	18,9	20,0	19,3	20,3	20,6	16,5	17,6	17,0	17,9	18,2
	6H	19,3	20,3	19,7	20,6	21,0	16,6	17,6	17,0	17,9	18,3
	8H	19,4	20,4	19,8	20,7	21,1	16,6	17,6	17,0	17,9	18,4
	12H	19,5	20,4	19,8	20,7	21,2	16,6	17,5	17,0	17,9	18,4
4H	2H	17,3	18,4	17,8	18,7	19,0	16,2	17,3	16,6	17,6	17,9
	3H	19,0	19,9	19,4	20,2	20,7	17,2	18,1	17,6	18,5	19,0
	4H	19,5	20,4	20,0	20,8	21,4	17,4	18,2	17,8	18,7	19,2
	6H	20,0	20,8	20,5	21,2	21,6	17,5	18,3	18,0	18,6	19,0
	8H	20,1	20,8	20,6	21,2	21,7	17,5	18,2	18,0	18,6	19,0
	12H	20,2	20,8	20,7	21,2	21,7	17,5	18,1	18,0	18,5	19,0
8H	4H	19,6	20,3	20,1	20,7	21,1	17,6	18,3	18,1	18,7	19,1
	6H	20,1	20,7	20,7	21,2	21,7	17,7	18,3	18,3	18,8	19,3
	8H	20,3	20,8	20,9	21,3	22,0	17,8	18,3	18,4	18,8	19,5
	12H	20,4	20,8	21,0	21,4	22,0	17,8	18,2	18,5	18,8	19,4
12H	4H	19,6	20,2	20,1	20,6	21,1	17,6	18,2	18,1	18,6	19,1
	6H	20,1	20,6	20,7	21,2	21,8	17,8	18,2	18,3	18,8	19,5
	8H	20,3	20,7	20,9	21,2	21,9	17,8	18,2	18,4	18,8	19,4
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 / -0,3					0,4 / -0,8				
S = 2.0H		0,6 / -0,8					1,0 / -1,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 416 lm total luminous flux											

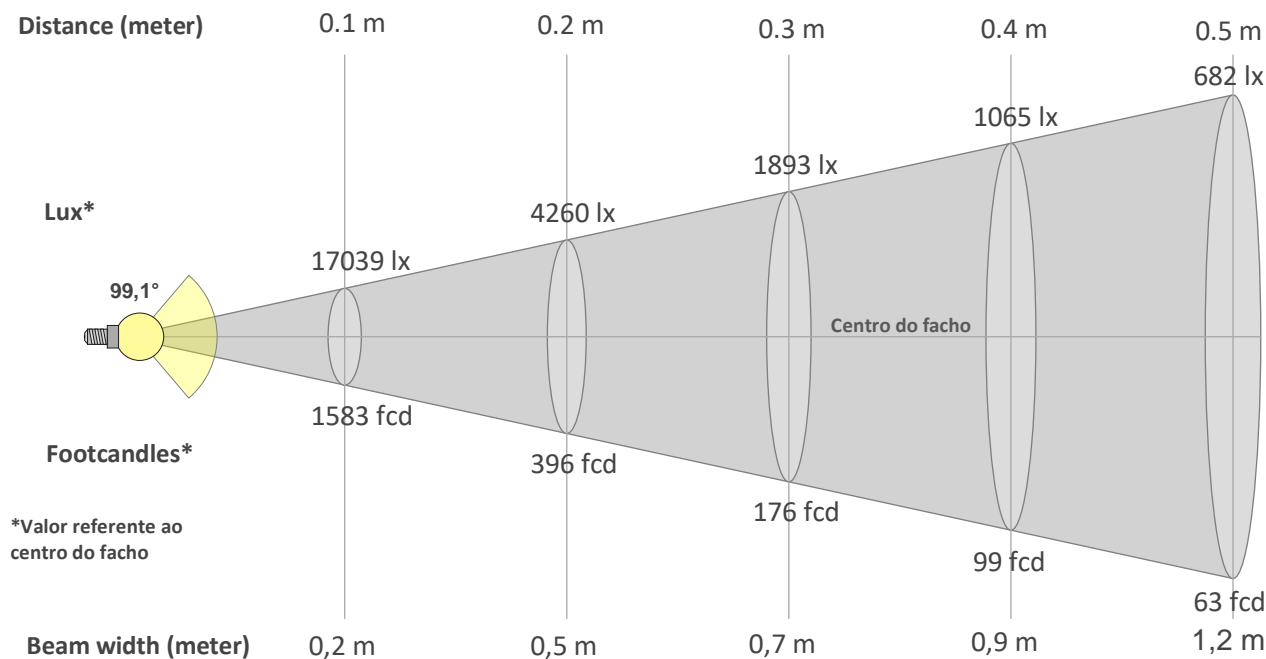
Coeficiente de utilização

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	98	106	103	99	96	98	95	92	94	91	89	90	88	86	84
2	100	92	86	81	97	90	85	80	87	82	78	83	79	76	80	77	74	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	71	67	63	61
4	84	73	65	58	82	71	64	58	69	62	57	66	60	56	64	59	55	53
5	78	65	57	51	76	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	51	44	70	58	50	44	56	49	44	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	44	39	34	32
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	32	28	27

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
170lx	43lx	19lx	11lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15,8fcd	4fcd	1,8fcd	1fcd	0,6fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd

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°
170	170	167	163	156	147	139	128	117	105	94	81	67	54	41	27	15	6	1	1
100%	100%	98%	96%	91%	87%	81%	75%	69%	62%	55%	47%	39%	32%	24%	16%	9%	3%	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°
170	169	166	160	152	142	130	117	103	89	74	61	47	33	22	11	5	3	1	1
100%	99%	97%	94%	89%	83%	76%	68%	60%	52%	44%	36%	27%	19%	13%	6%	3%	2%	1%	1%

Intensities in 180° c-plane

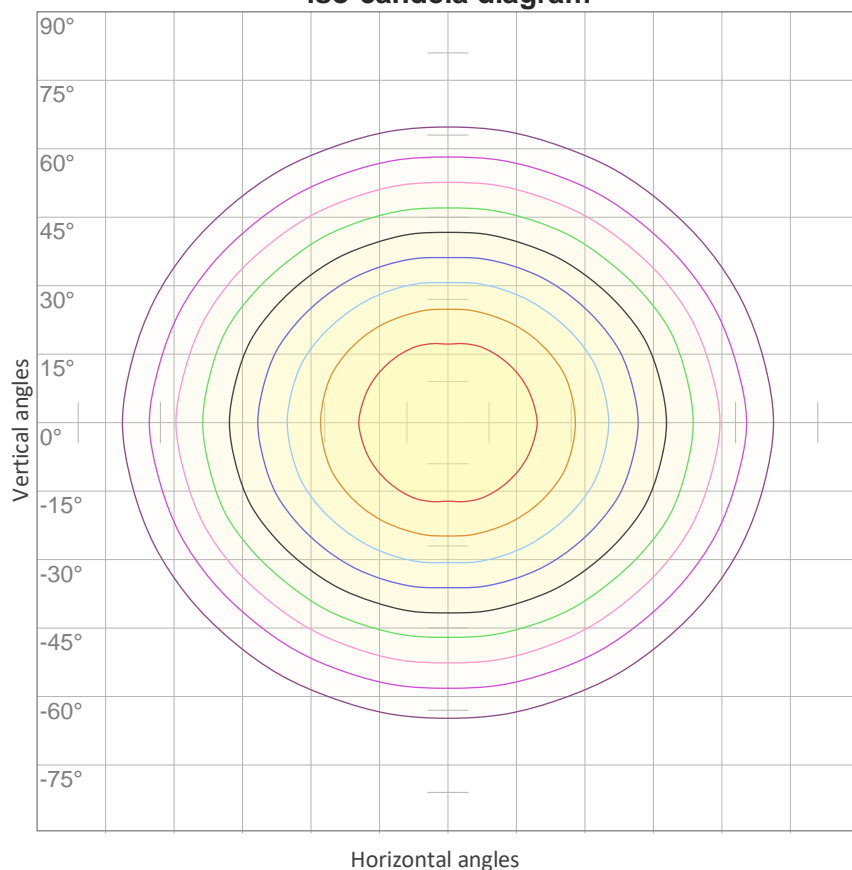
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
170	170	167	163	156	147	139	128	117	105	94	81	67	54	41	27	15	6	1	1
100%	100%	98%	96%	91%	87%	81%	75%	69%	62%	55%	47%	39%	32%	24%	16%	9%	3%	1%	1%

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°
170	169	166	160	152	142	130	117	103	89	74	61	47	33	22	11	5	3	1	1
100%	99%	97%	94%	89%	83%	76%	68%	60%	52%	44%	36%	27%	19%	13%	6%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99,1°	150,2°	166,3°	82,4%	58,5%

iso-candela diagram



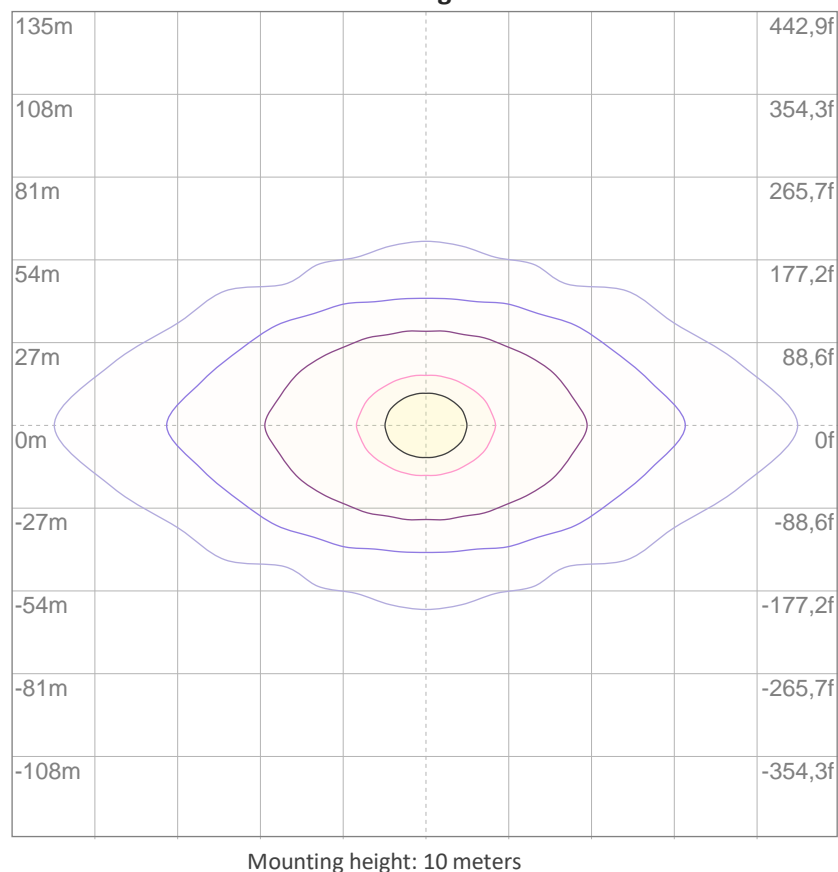
10%	17 cd
20%	34 cd
30%	51 cd
40%	68 cd
50%	85 cd
60%	102 cd
70%	119 cd
80%	136 cd
90%	153 cd

Conditions:

Number of c-planes: 16

Candela at center: 170 cd

iso-lux diagram



3%	51,1m lx
5%	85,2m lx
10%	0,170 lx
30%	0,511 lx
50%	0,852 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,70 lx

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

Potência

Vttagem: 12,0 V

Corrente: 0,891 A

Frequência: 0 Hz

FP: 0,99

THD



THD corrente: n/a

THD tensão: n/a