

9002N SLED9002N BRANCA FITA 20WM 3000K 95 -1m



Luminária linear de embutir 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 – 620 lm/m

Potência – 20,2 W/m

Intensidade pico – 242cd

CCT – 2873K



IRC – 97,8

Coordenada CIE 1931 – x- 0,444 y- 0,402

A x L - 31x29

Peso - 0,35kg/m

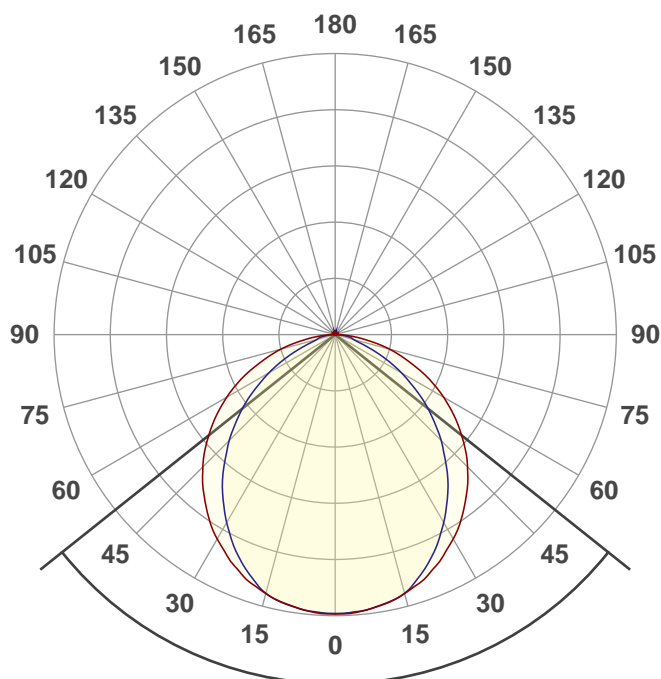
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

09/03/2022 10:28:48



Facho de abertura

102,9°

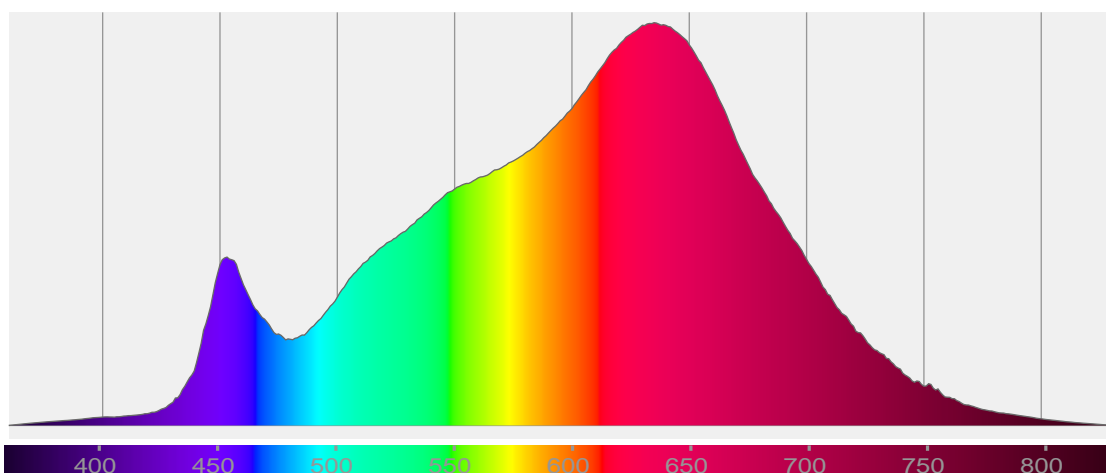
Rf 94,5

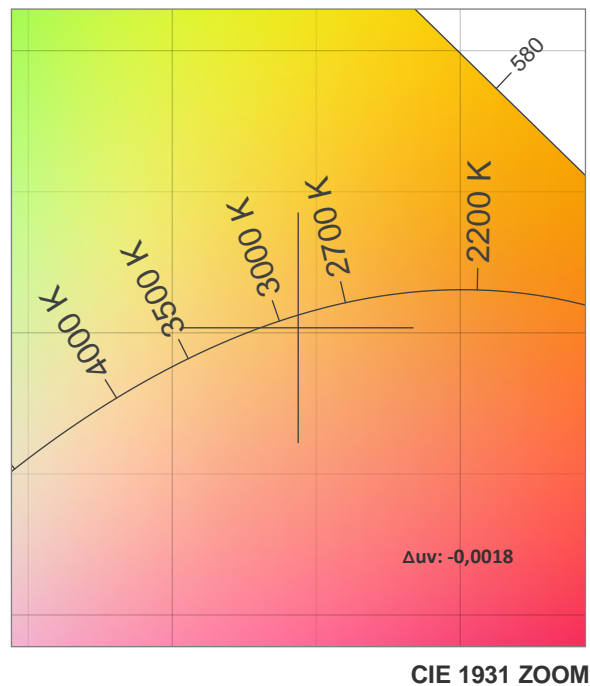
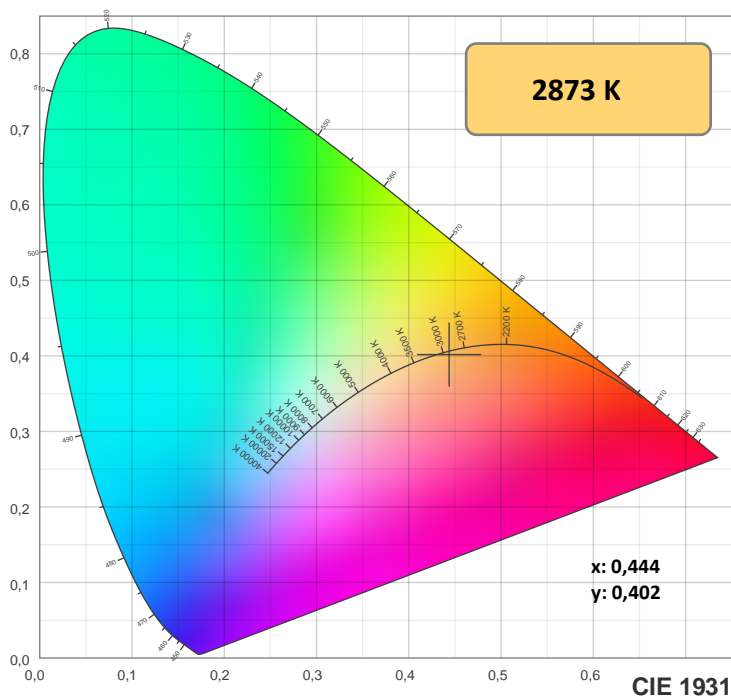
Fidelity index Rf

Rg 101,7

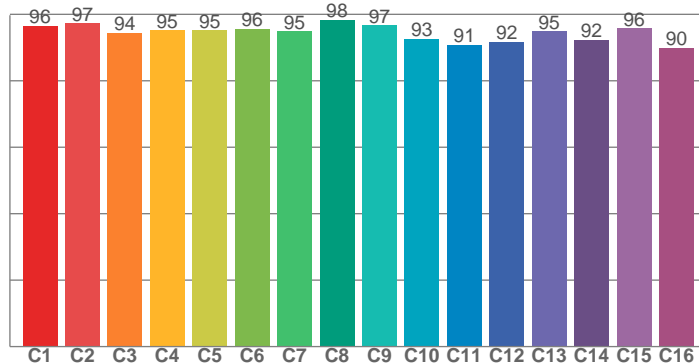
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	97	-1%	1%
3	94	0%	3%
4	95	-1%	1%
5	95	0%	2%
6	96	3%	0%
7	95	0%	0%
8	98	0%	-1%
9	97	0%	2%
10	93	0%	5%
11	91	2%	7%
12	92	4%	2%
13	95	3%	-3%
14	92	5%	-4%
15	96	0%	-2%
16	90	1%	-8%

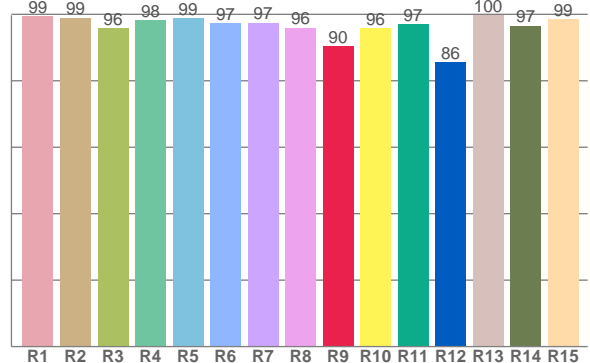




TM-30: 94,5



CRI: 97,8 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	99,0	95,8	98,2	98,8	97,3	97,4	96,0	90,3	95,8	97,1	85,7	99,7	96,6	98,6

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	97,2	94,4	95,2	95,2	95,7	94,9	98,3	96,7	92,6	90,9	91,8	94,8	92,4	95,7	89,9

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
2873 K	97,8	90,3	94,5	101,7	94,0	0,444	0,402	0,256	0,348	-0,0018

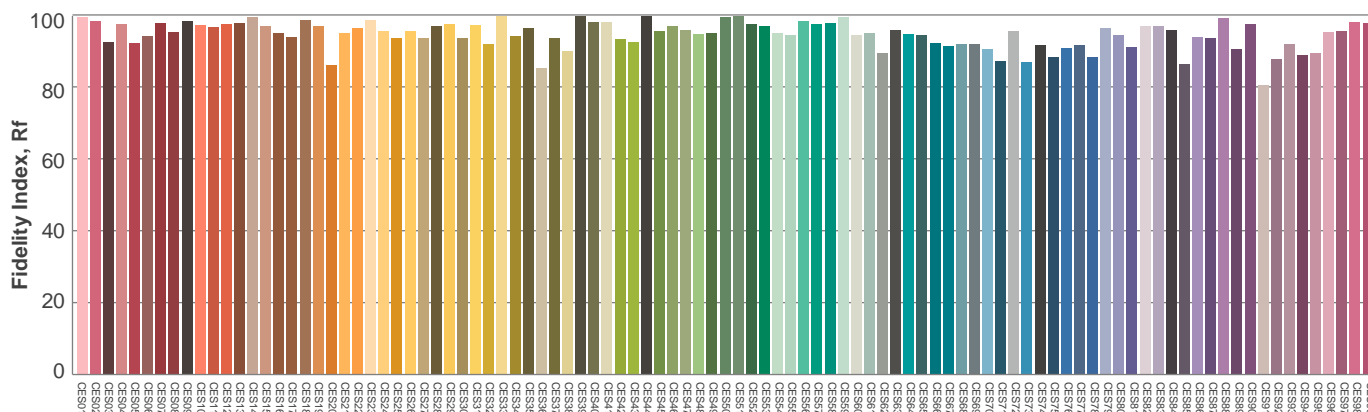
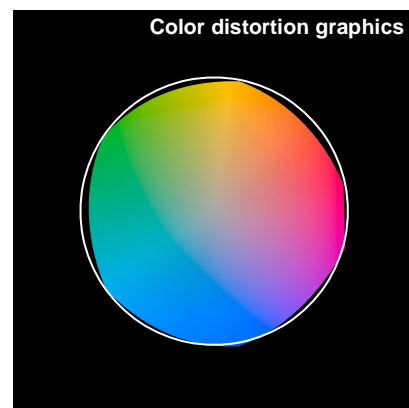
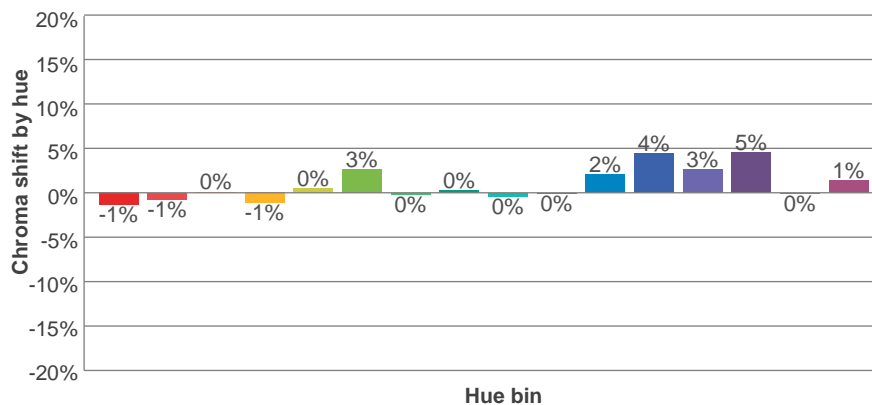
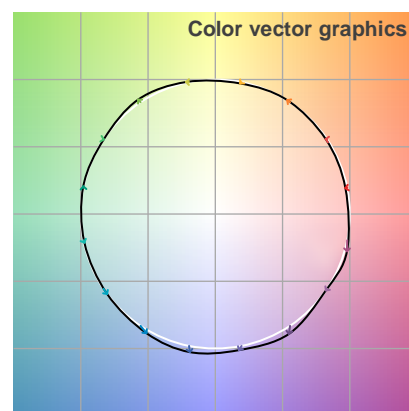
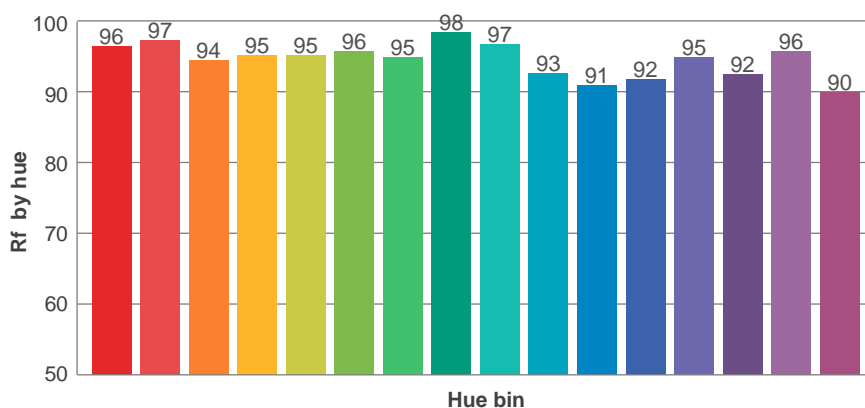
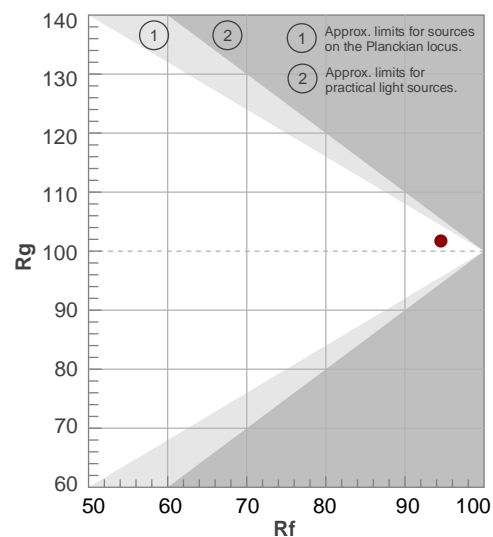
Rf 94,5

Fidelity index Rf

Rg 101,7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	96	-1%	0%
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4	95	-1%	1%
5	95	0%	2%
6	96	3%	0%
7	95	0%	0%
8	98	0%	-1%
9	97	0%	2%
10	93	0%	5%
11	91	2%	7%
12	92	4%	2%
13	95	3%	-3%
14	92	5%	-4%
15	96	0%	-2%
16	90	1%	-8%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

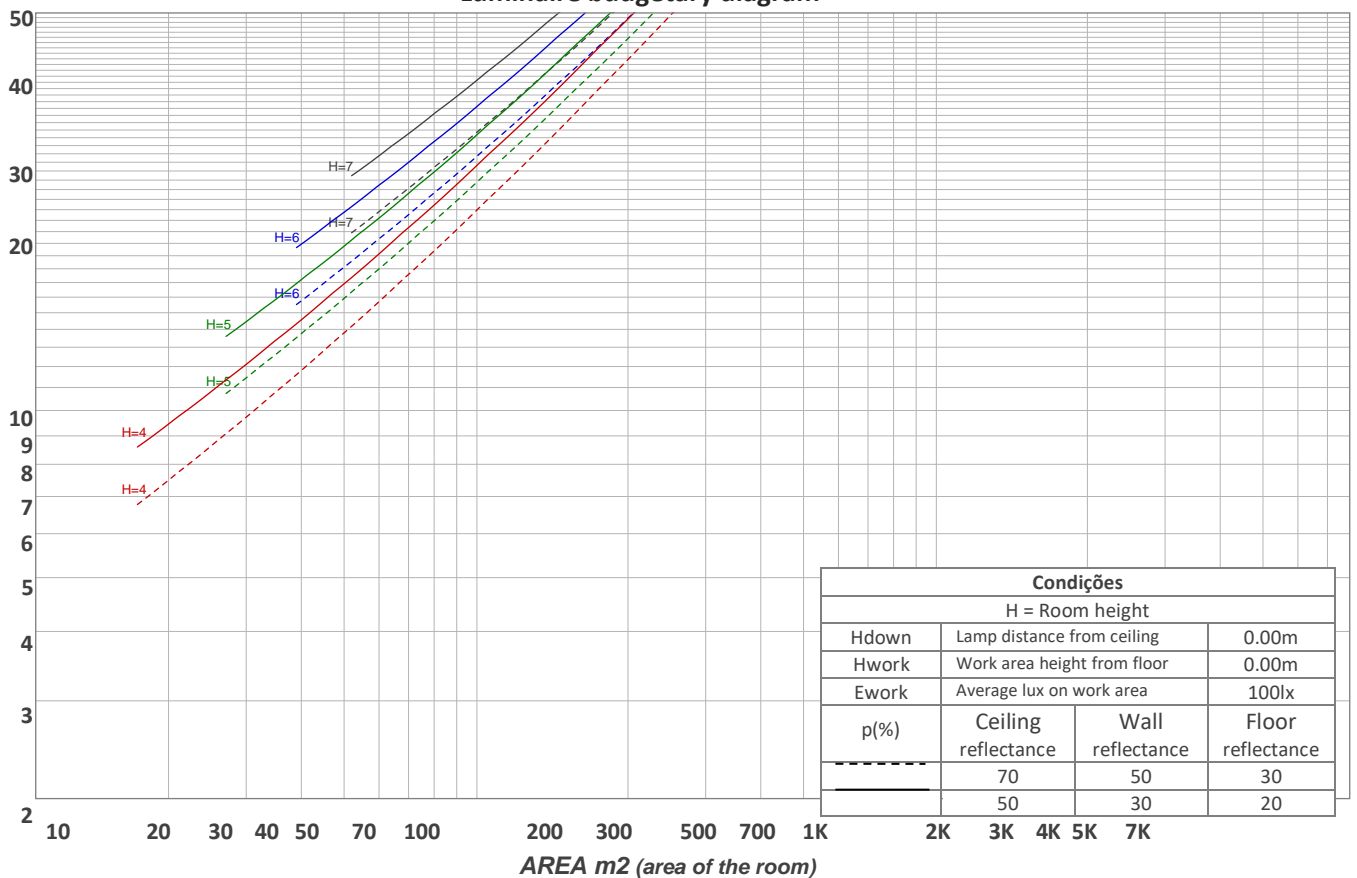
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	26,6	27,8	26,9	28,1	28,4	24,7	25,9	25,0	26,2	26,4
	3H	28,1	29,3	28,5	29,6	29,8	25,3	26,5	25,7	26,8	27,0
	4H	28,8	29,9	29,2	30,2	30,5	25,5	26,6	25,9	26,9	27,2
	6H	29,3	30,3	29,6	30,6	31,0	25,8	26,7	26,1	27,0	27,5
	8H	29,4	30,4	29,8	30,7	31,2	25,8	26,8	26,2	27,1	27,6
	12H	29,5	30,4	29,9	30,8	31,3	25,9	26,8	26,3	27,2	27,6
4H	2H	26,9	28,0	27,3	28,3	28,6	25,4	26,5	25,8	26,8	27,1
	3H	28,7	29,6	29,1	30,0	30,5	26,2	27,1	26,6	27,5	28,0
	4H	29,4	30,2	29,8	30,7	31,2	26,4	27,3	26,9	27,7	28,2
	6H	29,9	30,7	30,4	31,1	31,5	26,6	27,5	27,2	27,8	28,2
	8H	30,1	30,8	30,6	31,2	31,7	26,8	27,5	27,3	27,9	28,3
	12H	30,2	30,9	30,8	31,3	31,8	26,8	27,5	27,4	27,9	28,4
8H	4H	29,4	30,1	29,9	30,5	30,9	26,6	27,4	27,2	27,8	28,2
	6H	30,0	30,6	30,6	31,1	31,7	27,0	27,6	27,5	28,1	28,6
	8H	30,3	30,8	30,8	31,3	32,0	27,2	27,7	27,8	28,2	28,9
	12H	30,5	30,9	31,1	31,4	32,1	27,4	27,8	28,0	28,3	28,9
12H	4H	29,4	30,0	29,9	30,4	30,9	26,6	27,3	27,2	27,7	28,2
	6H	30,1	30,5	30,6	31,1	31,7	27,1	27,6	27,6	28,1	28,8
	8H	30,3	30,7	30,9	31,2	31,9	27,3	27,7	27,9	28,2	28,9
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 / -0,7				
S = 2.0H		0,6 / -0,7					0,9 / -1,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 620 lm total luminous flux											

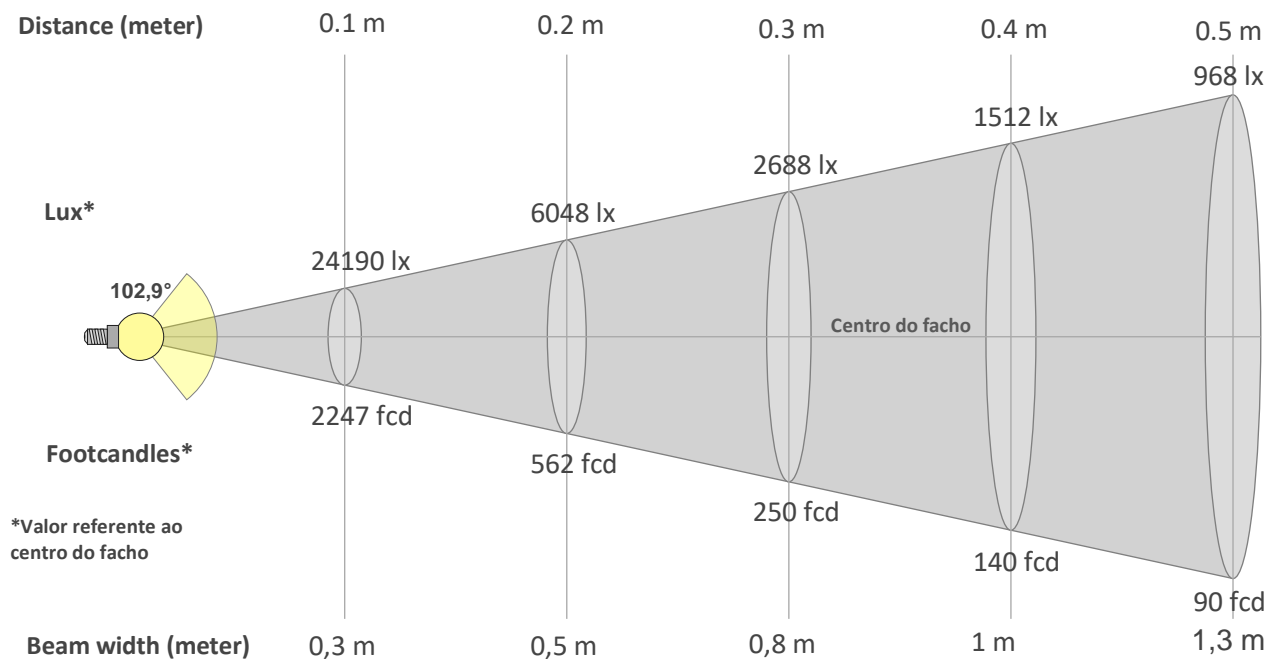
Coeficiente de utilização

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	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	79	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	56	49	61	54	49	59	53	48	57	52	47	45
6	71	59	50	44	69	58	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	39	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	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
242lx	60lx	27lx	15lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
22,5fcd	5,6fcd	2,5fcd	1,4fcd	0,9fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	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°
242	241	238	232	226	216	204	192	177	162	145	127	108	89	68	49	29	13	3	2
100%	100%	98%	96%	93%	89%	85%	79%	73%	67%	60%	53%	45%	37%	28%	20%	12%	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°
242	241	237	232	220	205	188	170	150	130	109	87	66	46	27	17	12	6	2	1
100%	99%	98%	96%	91%	85%	78%	70%	62%	54%	45%	36%	27%	19%	11%	7%	5%	2%	1%	1%

Intensities in 180° c-plane

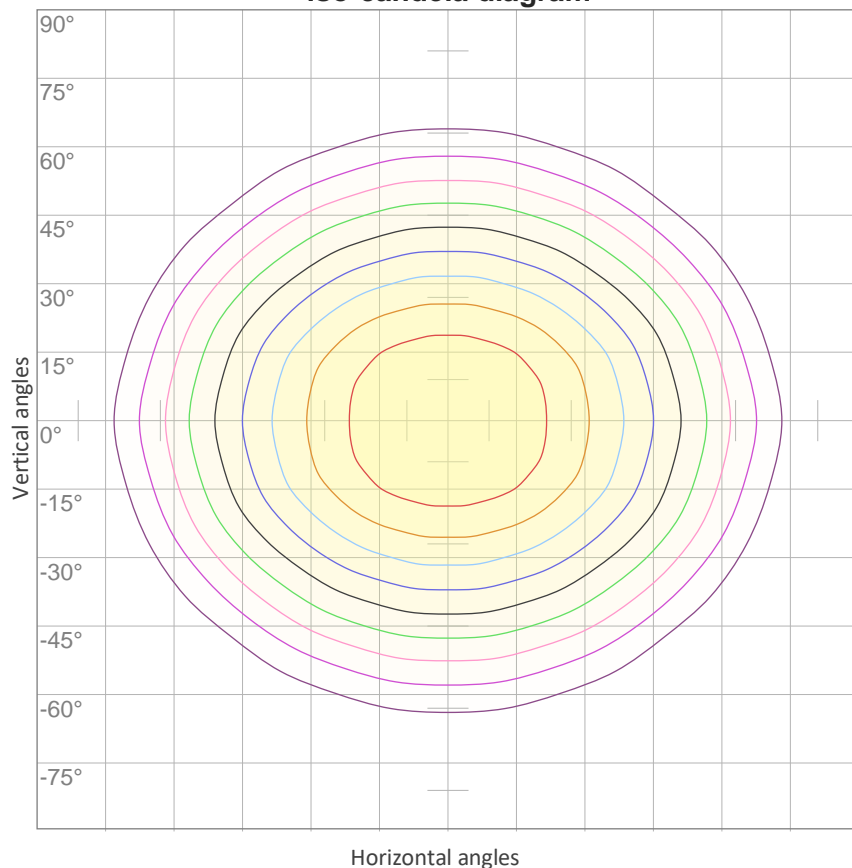
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
242	241	238	232	226	216	204	192	177	162	145	127	108	89	68	49	29	13	3	2
100%	100%	98%	96%	93%	89%	85%	79%	73%	67%	60%	53%	45%	37%	28%	20%	12%	5%	1%	1%

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°
242	241	237	232	220	205	188	170	150	130	109	87	66	46	27	17	12	6	2	1
100%	99%	98%	96%	91%	85%	78%	70%	62%	54%	45%	36%	27%	19%	11%	7%	5%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,9°	150,6°	171,6°	81,7%	57,6%

iso-candela diagram



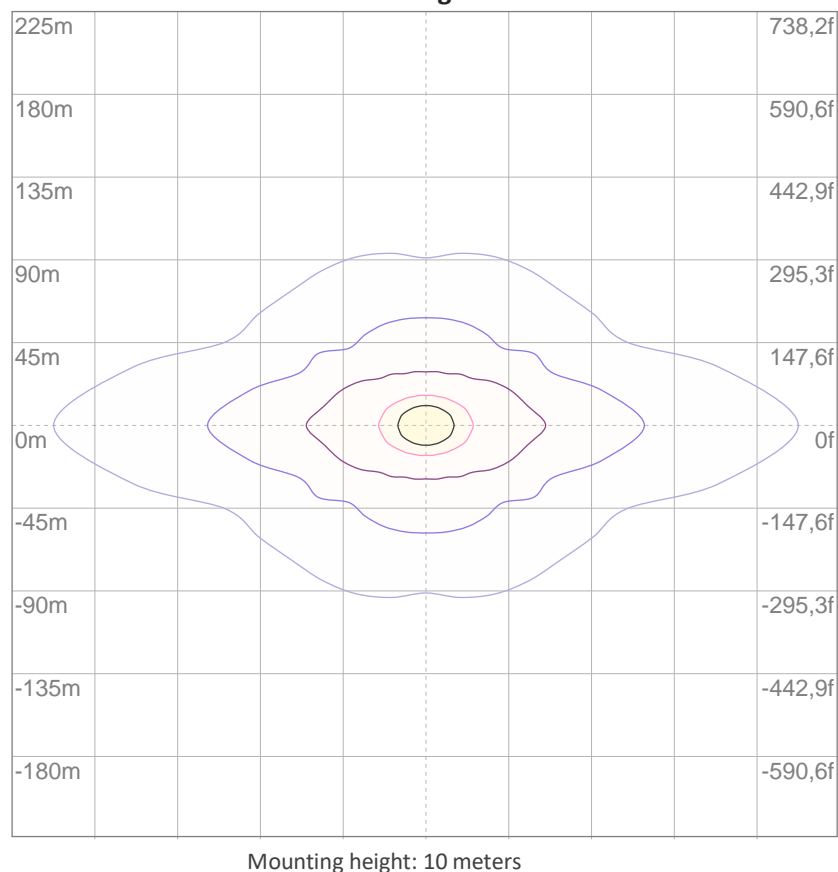
10%	24 cd
20%	48 cd
30%	73 cd
40%	97 cd
50%	121 cd
60%	145 cd
70%	169 cd
80%	194 cd
90%	218 cd

Conditions:

Number of c-planes: 16

Candela at center: 242 cd

iso-lux diagram



3%	72,6m lx
5%	0,121 lx
10%	0,242 lx
30%	0,726 lx
50%	1,21 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,42 lx

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

Potência

Vttagem: 12,0 V

Corrente: 1,68 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a