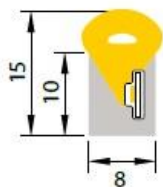


EX08 SLED9163 BRANCA FITA 4,8WM 4000K 80 - 1m



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 – 165 lm/m

Potência – 4,8 W/m

Intensidade pico – 31,3cd

CCT – 3191K



IRC – 82,3

Coordenada CIE 1931 – x- 0,424 y- 0,399

A x L - 15x8

Peso - 0,26kg/m

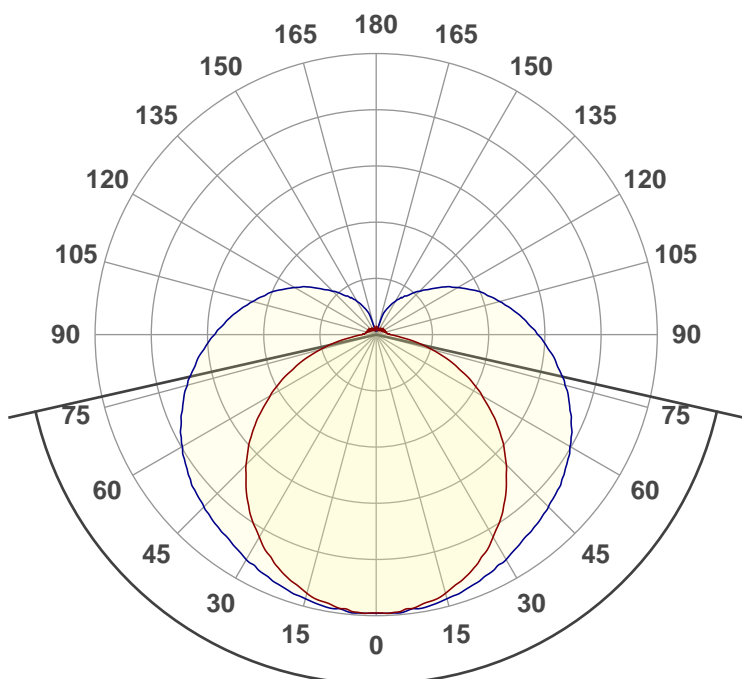
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

16/02/2021 16:50:21



Facho de abertura

154,5°

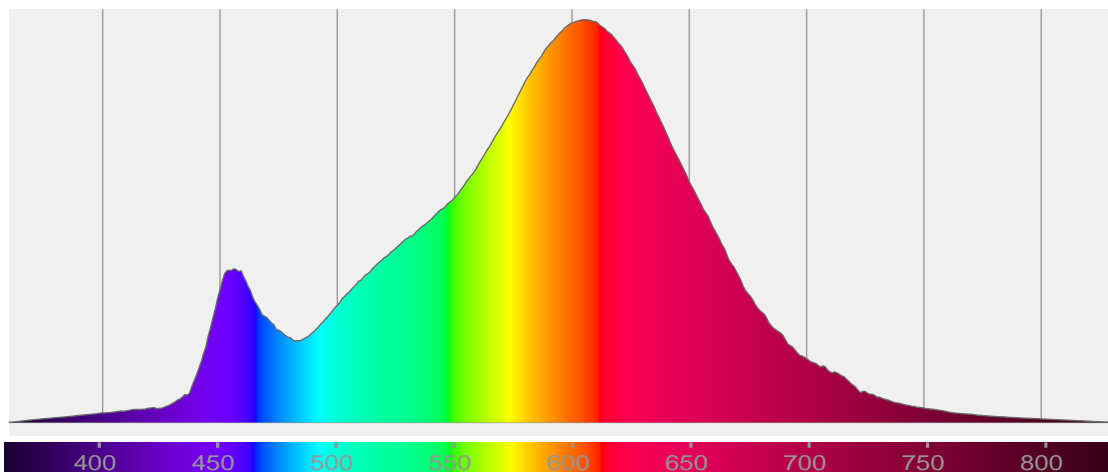
Rf 84,9

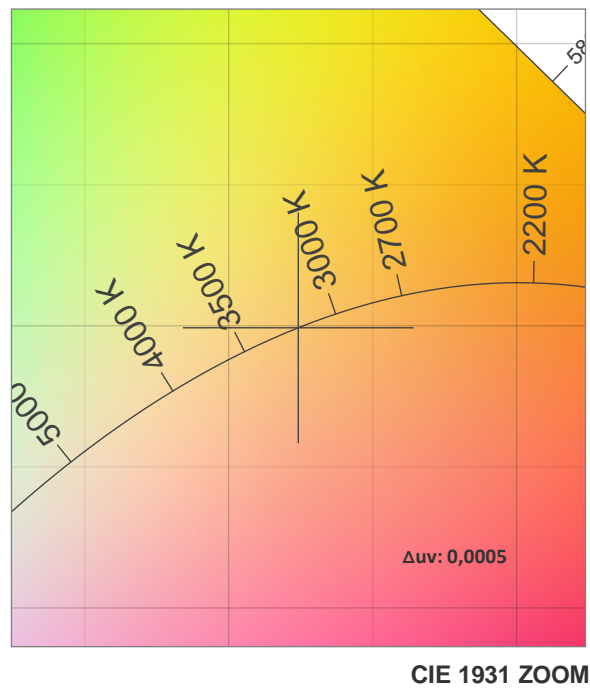
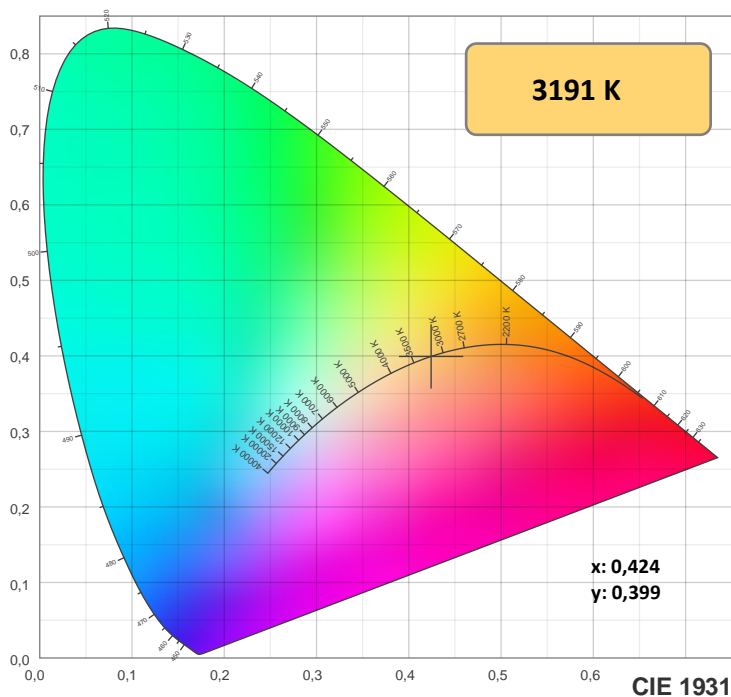
Fidelity index Rf

Rg 93,6

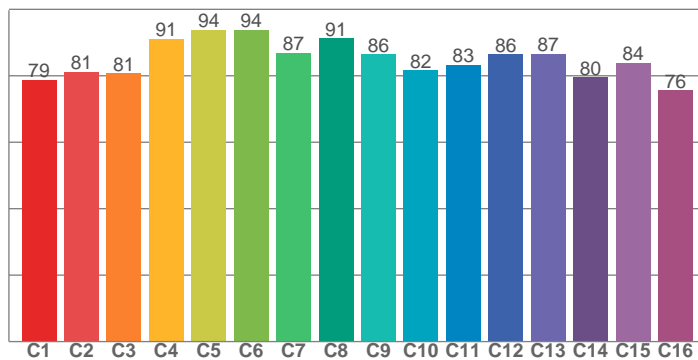
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-12%	1%
2	81	-8%	7%
3	81	-4%	10%
4	91	-2%	4%
5	94	-1%	3%
6	94	-1%	-2%
7	87	-7%	-4%
8	91	-5%	1%
9	86	-6%	6%
10	82	-3%	11%
11	83	1%	12%
12	86	6%	1%
13	87	3%	-10%
14	80	3%	-17%
15	84	-5%	-8%
16	76	-10%	-15%

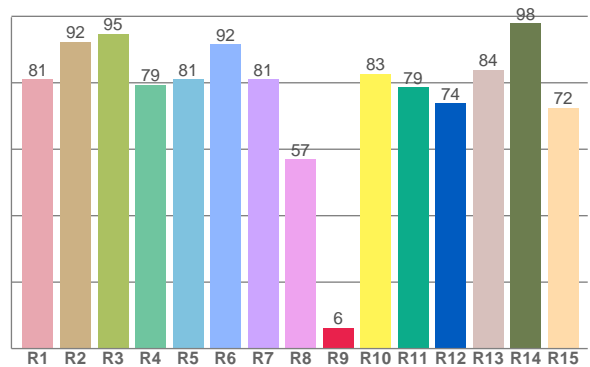




TM-30: 84,9



CRI: 82,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,0	92,3	94,7	79,4	81,2	91,6	81,2	57,1	6,2	82,7	78,7	73,8	83,9	97,8	72,5

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,7	81,3	80,7	91,0	93,9	93,8	86,9	91,3	86,4	81,6	83,4	86,4	86,5	79,5	83,9	75,6

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
3191 K	82,3	6,2	84,9	93,6	82,2	0,424	0,399	0,258	0,351	0,0005

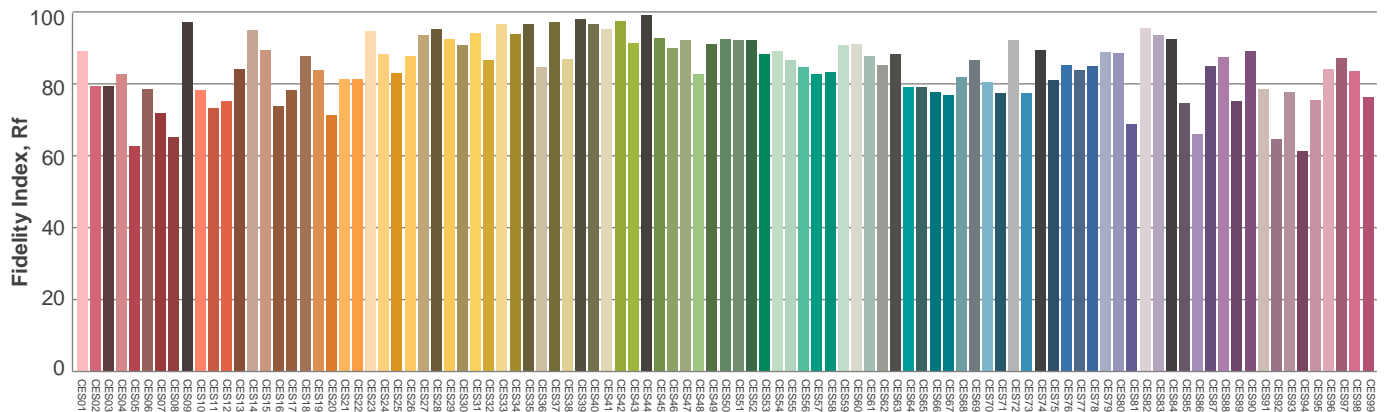
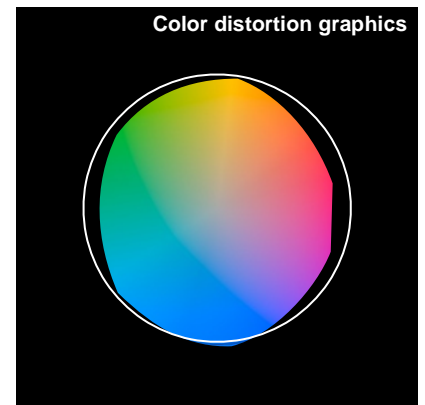
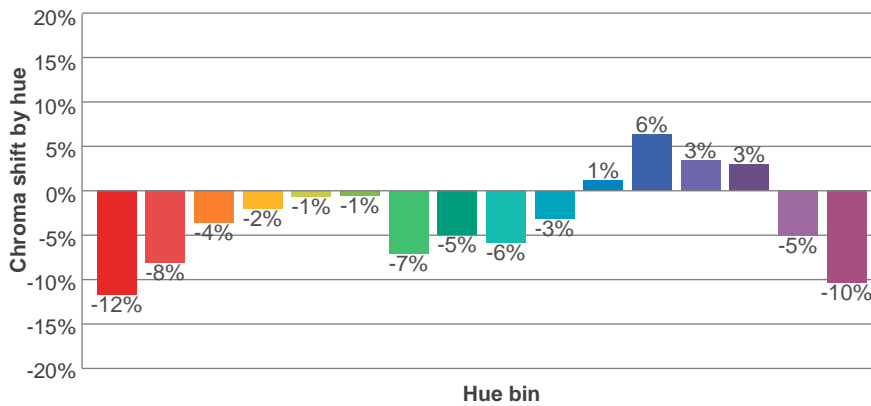
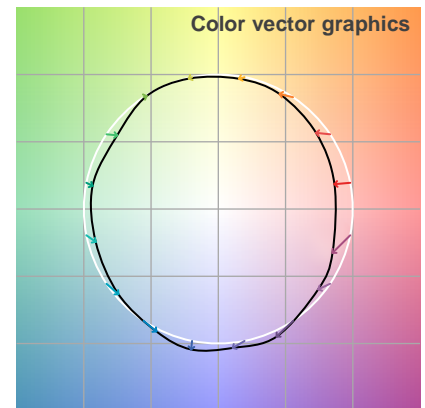
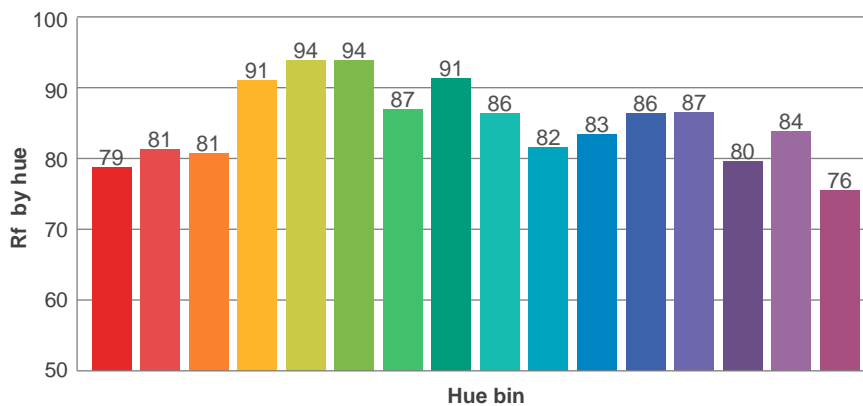
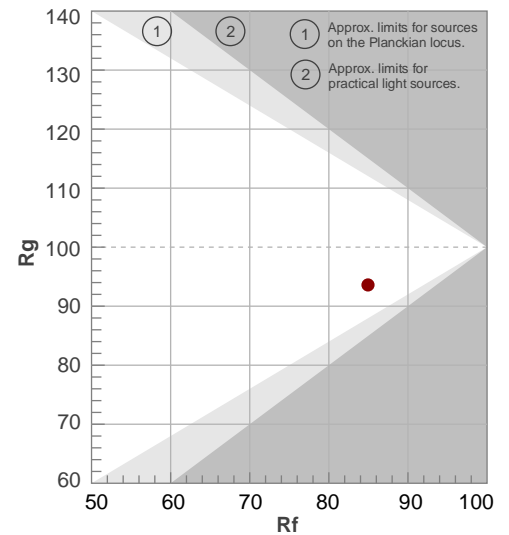
Rf 84,9

Fidelity index Rf

Rg 93,6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-12%	1%
2	81	-8%	7%
3	81	-4%	10%
4	91	-2%	4%
5	94	-1%	3%
6	94	-1%	-2%
7	87	-7%	-4%
8	91	-5%	1%
9	86	-6%	6%
10	82	-3%	11%
11	83	1%	12%
12	86	6%	1%
13	87	3%	-10%
14	80	3%	-17%
15	84	-5%	-8%
16	76	-10%	-15%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

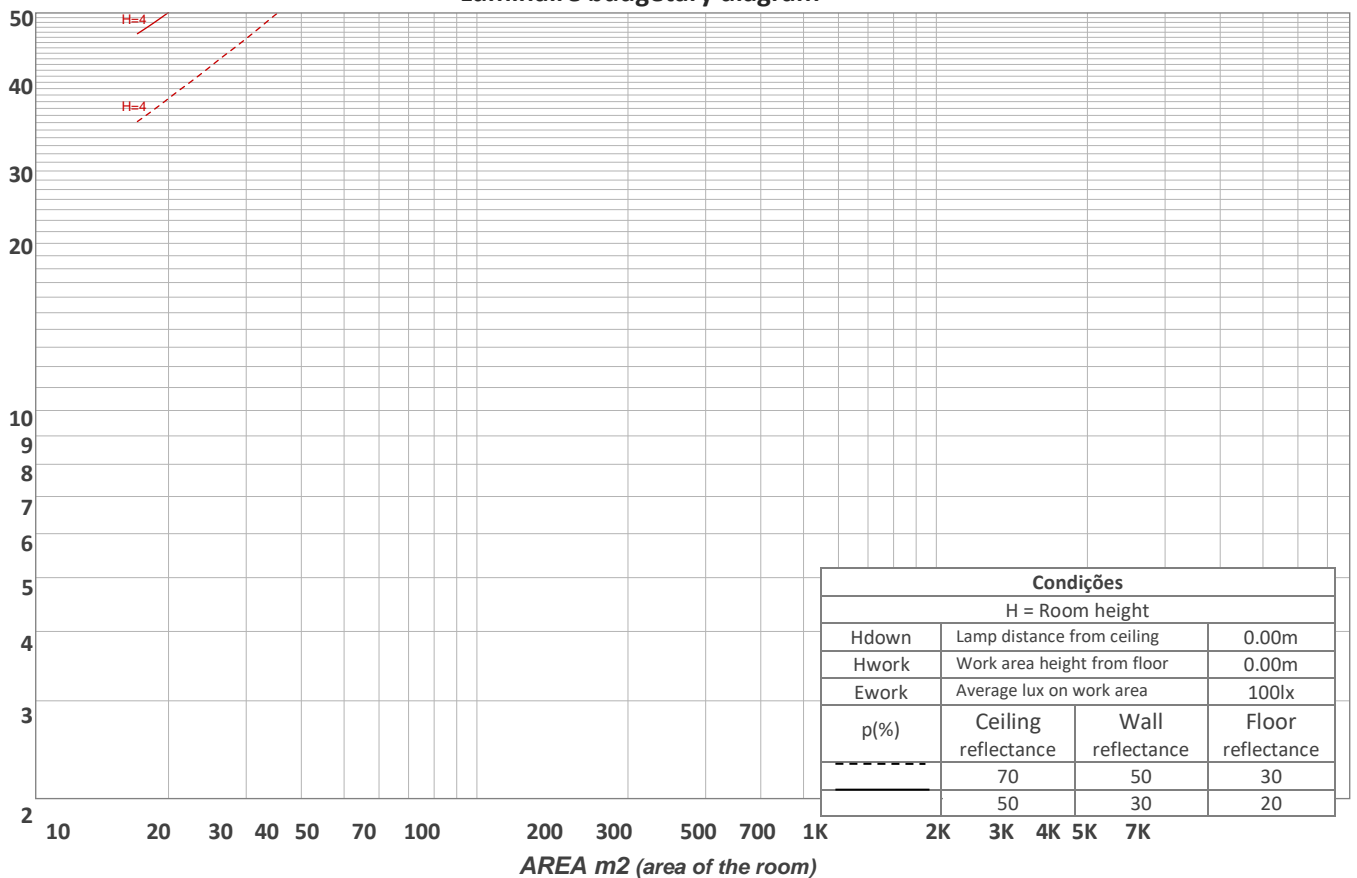
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	12,7	13,8	13,3	14,4	15,1	16,4	17,5	17,0	18,2	18,9
	3H	13,9	15,0	14,6	15,7	16,3	19,3	20,4	20,0	21,0	21,7
	4H	14,4	15,5	15,1	16,1	16,8	20,9	22,0	21,6	22,6	23,3
	6H	14,8	15,7	15,4	16,4	17,2	22,7	23,7	23,4	24,3	25,1
	8H	14,9	15,8	15,5	16,5	17,3	23,7	24,7	24,4	25,3	26,1
	12H	14,9	15,9	15,6	16,5	17,3	24,8	25,8	25,5	26,4	27,3
4H	2H	14,0	15,1	14,7	15,7	16,4	16,7	17,8	17,4	18,4	19,1
	3H	15,6	16,6	16,2	17,1	18,0	19,9	20,9	20,6	21,5	22,3
	4H	16,1	17,2	16,9	17,7	18,6	21,6	22,7	22,4	23,2	24,1
	6H	16,6	17,4	17,4	18,1	18,9	23,6	24,4	24,4	25,1	25,9
	8H	16,8	17,5	17,5	18,2	19,0	24,7	25,4	25,4	26,1	26,9
	12H	16,9	17,4	17,6	18,2	19,0	25,9	26,5	26,7	27,3	28,1
8H	4H	17,3	18,0	18,1	18,7	19,5	21,8	22,5	22,5	23,2	24,0
	6H	18,1	18,6	18,9	19,4	20,3	24,0	24,5	24,7	25,3	26,2
	8H	18,4	18,9	19,2	19,7	20,7	25,2	25,7	26,0	26,5	27,5
	12H	18,6	19,0	19,4	19,8	20,7	26,6	27,0	27,4	27,8	28,8
12H	4H	17,7	18,3	18,4	19,1	19,9	21,8	22,4	22,5	23,1	24,0
	6H	18,7	19,1	19,4	20,0	20,9	24,0	24,5	24,8	25,3	26,3
	8H	19,1	19,5	19,9	20,3	21,2	25,3	25,7	26,1	26,5	27,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,1 / -0,2					0,2 / -0,2				
S = 2.0H		0,3 / -0,5					0,4 / -0,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 165 lm total luminous flux											

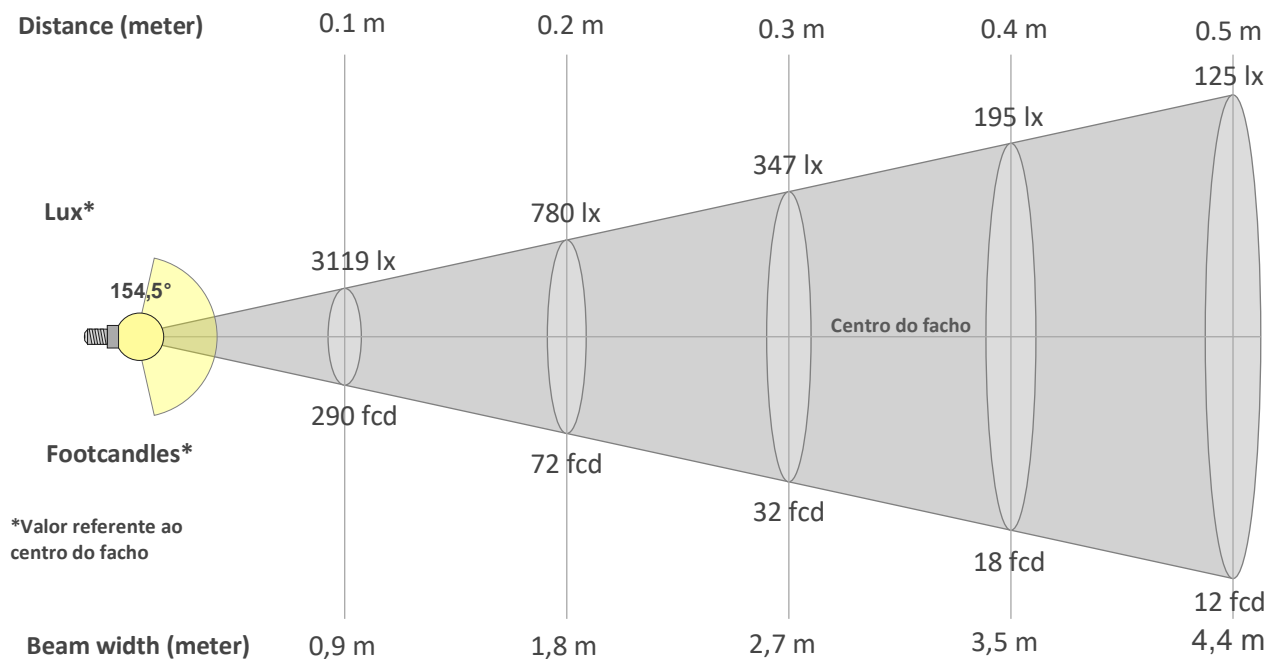
Coeficiente de utilização

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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	81	81	81	77
1	100	94	88	83	95	89	84	80	81	77	73	73	69	67	65	63	61	57
2	90	80	72	65	85	76	69	63	69	63	58	62	57	53	55	52	48	45
3	81	69	60	53	76	66	57	51	59	53	47	53	48	43	48	43	40	36
4	74	61	51	44	69	58	49	42	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	64	51	42	36	46	39	33	42	36	31	38	33	28	26
6	62	48	39	32	58	46	37	31	42	34	29	38	31	27	34	29	25	22
7	57	43	34	28	54	41	33	27	38	30	25	34	28	23	31	26	22	19
8	53	39	31	25	50	38	29	24	34	27	22	31	25	21	28	23	19	17
9	50	36	27	22	47	34	27	21	31	25	20	29	23	19	26	21	17	15
10	46	33	25	20	44	32	24	19	29	22	18	27	21	17	24	19	16	14

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
31lx	8lx	3lx	2lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
2,9fcd	0,7fcd	0,3fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	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°
31,2	30,7	29,3	27,1	24,1	20,5	16,6	12,3	7,9	3,9	1,6	1,2	1,0	1,0	1,0	0,9	0,8	0,7	0,5	0,7
100%	98%	94%	87%	77%	66%	53%	39%	25%	12%	5%	4%	3%	3%	3%	3%	2%	2%	2%	2%

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°
31,2	31,0	30,3	29,3	28,1	27,2	26,0	24,5	22,6	20,4	18,0	15,8	13,6	11,3	9,0	6,8	5,3	3,8	2,1	0,5
100%	99%	97%	94%	90%	87%	83%	79%	72%	65%	58%	51%	43%	36%	29%	22%	17%	12%	7%	2%

Intensities in 180° c-plane

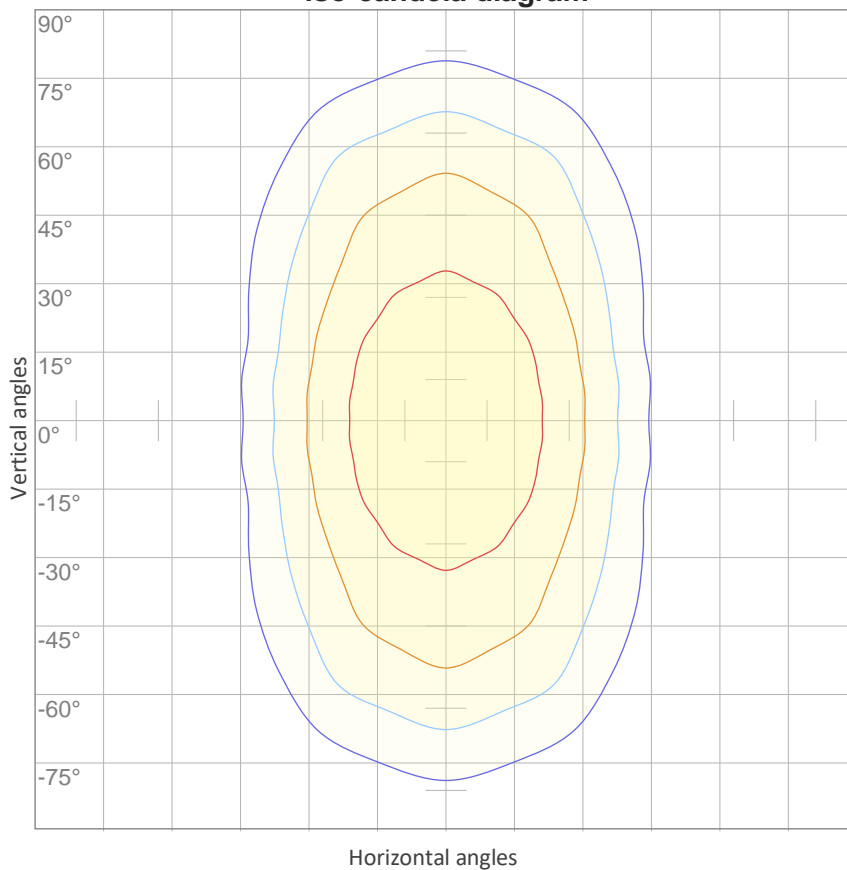
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
31,2	30,7	29,3	27,1	24,1	20,5	16,6	12,3	7,9	3,9	1,6	1,2	1,0	1,0	1,0	0,9	0,8	0,7	0,5	0,7
100%	98%	94%	87%	77%	66%	53%	39%	25%	12%	5%	4%	3%	3%	3%	3%	2%	2%	2%	2%

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°
31,2	31,0	30,3	29,3	28,1	27,2	26,0	24,5	22,6	20,4	18,0	15,8	13,6	11,3	9,0	6,8	5,3	3,8	2,1	0,5
100%	99%	97%	94%	90%	87%	83%	79%	72%	65%	58%	51%	43%	36%	29%	22%	17%	12%	7%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
154,5°	269,2°	327,1°	47,7%	30,5%

iso-candela diagram



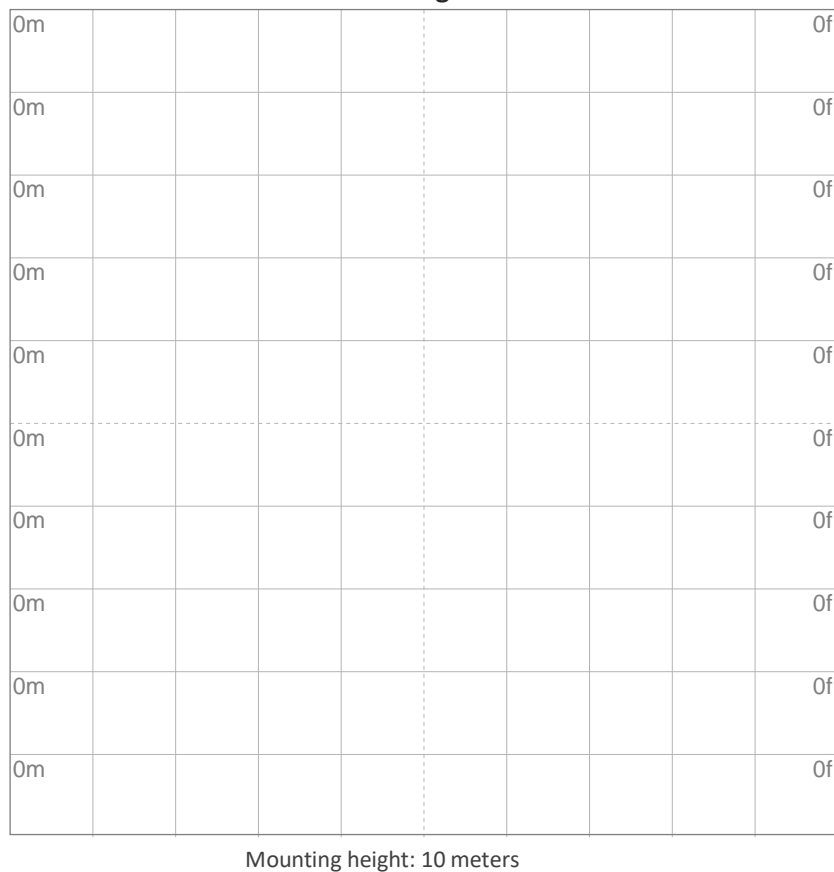
10%	3 cd
20%	6 cd
30%	9 cd
40%	12 cd
50%	16 cd
60%	19 cd
70%	22 cd
80%	25 cd
90%	28 cd

Conditions:

Number of c-planes: 16

Candela at center: 31 cd

iso-lux diagram



3%	9,36m lx
5%	15,6m lx
10%	31,2m lx
30%	93,6m lx
50%	0,156 lx

Conditions:

Number of c-planes: 16

Lux at center: 0,312 lx

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

Potência

Vttagem: 12,0 V

Corrente: 0,400 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a