

## K39N SLED9020N BRANCA FITA 20WM 3000K 95 - 1m

Luminária linear pendente com iluminação direta e indireta difusa. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc. Acessórios são de acordo com a instalação. Quantidade lumens esta proporcional a soma de lumens superior e inferior.

Fluxo luminoso – 1692 lm/m

Potência – 42,7 W/m

Intensidade pico – 343cd

CCT – 2963K



IRC – 97,3

Coordenada CIE 1931 – x- 0,439 y- 0,403

A x L - 115x38

Peso - 2,20kg/m

IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

17/08/2021 07:46:15

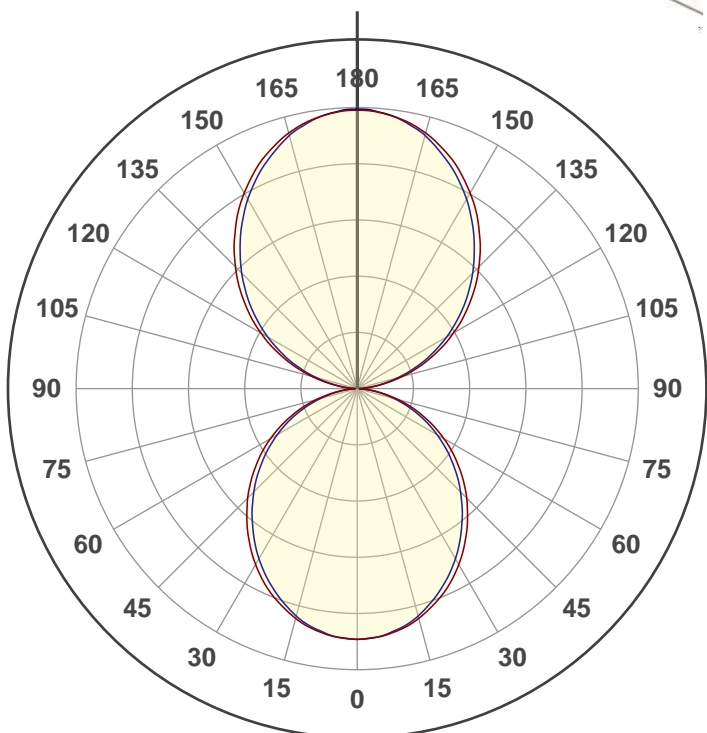
**Rf 94,7**

Fidelity index Rf

**Rg 102,7**

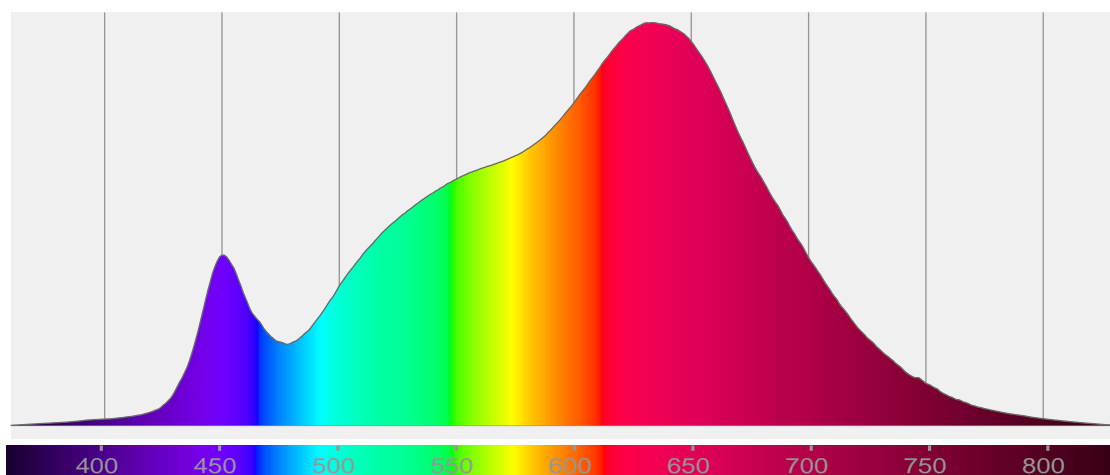
Gamut index Rg

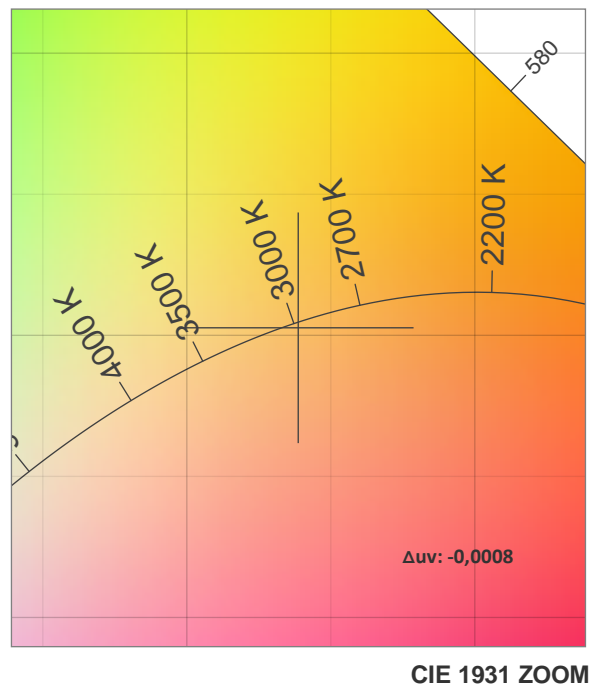
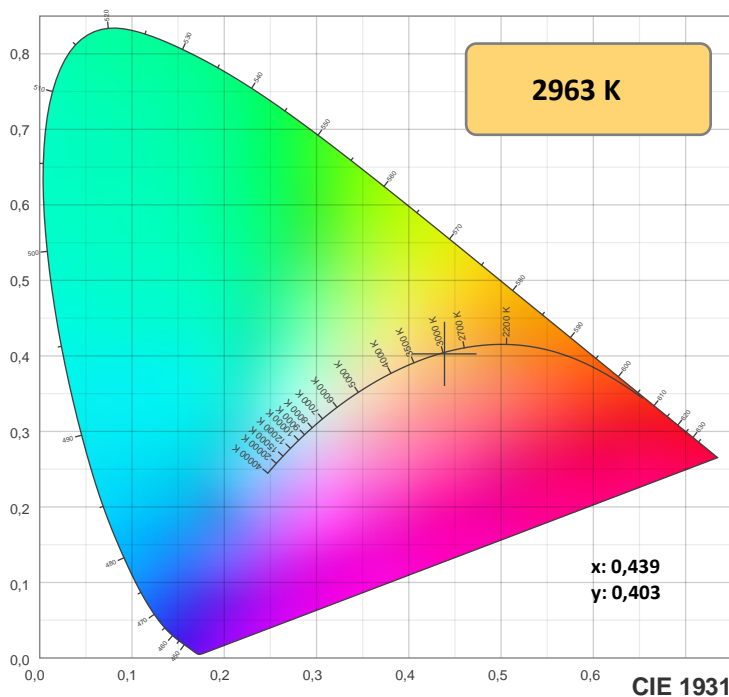
Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	-1%	0%
3	94	0%	3%
4	95	0%	2%
5	95	2%	3%
6	94	4%	1%
7	96	2%	-2%
8	96	1%	-2%
9	97	0%	0%
10	95	-1%	3%
11	92	1%	6%
12	92	4%	3%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%



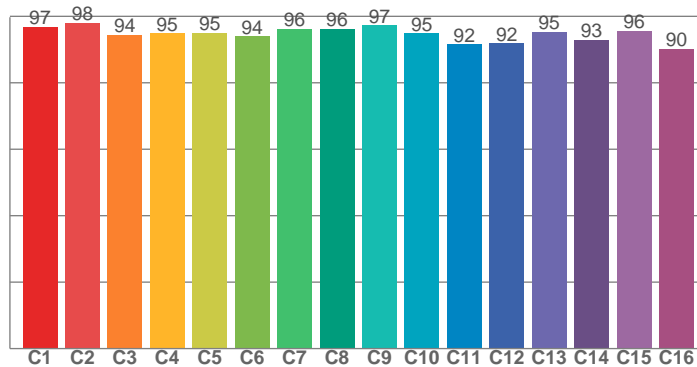
Facho de abertura

**360°**

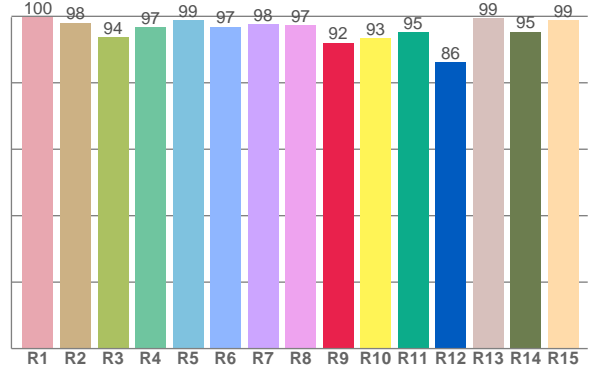




TM-30: 94,7



CRI: 97,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,8	98,0	93,6	96,7	98,8	96,8	97,6	97,4	92,0	93,4	95,3	86,1	99,5	95,4	98,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	98,0	94,4	94,9	95,0	93,9	96,2	96,2	97,2	94,9	91,6	91,8	95,3	92,9	95,6	90,2

## 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	$\Delta uv$
2963 K	97,3	92,0	94,7	102,7	94,2	0,439	0,403	0,252	0,347	-0,0008

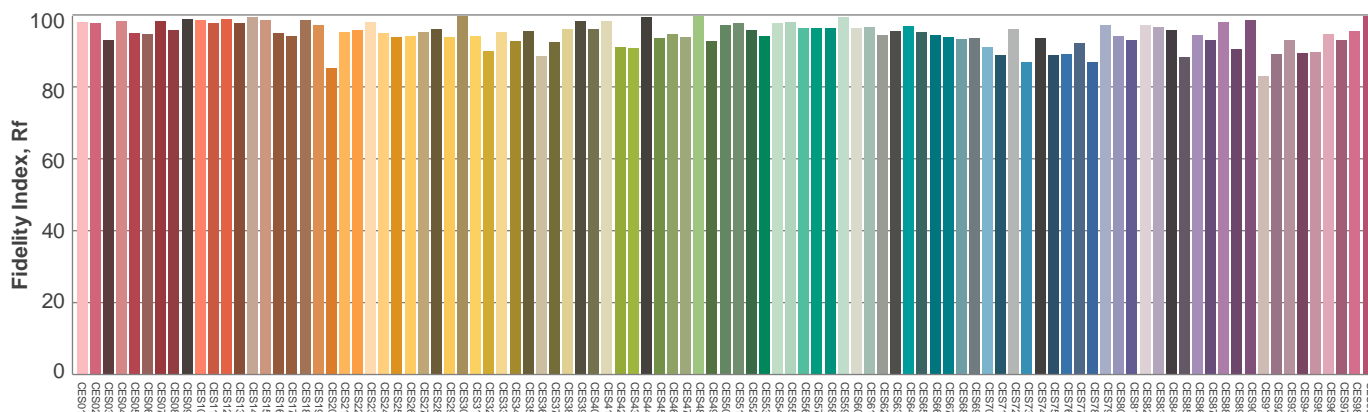
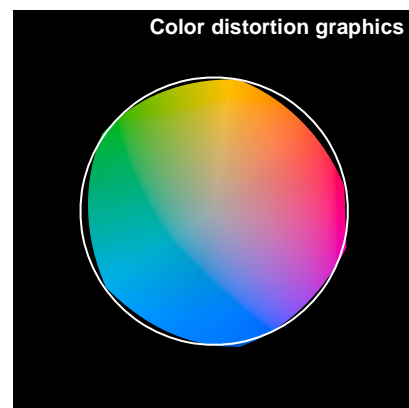
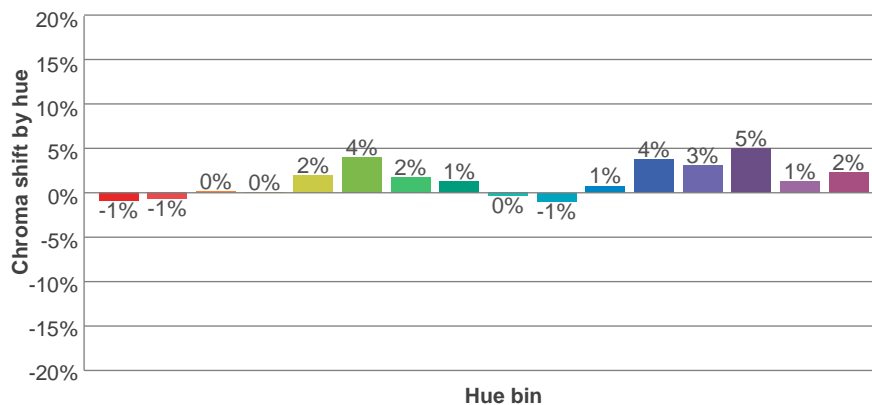
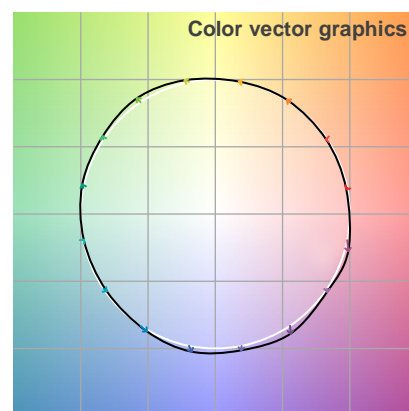
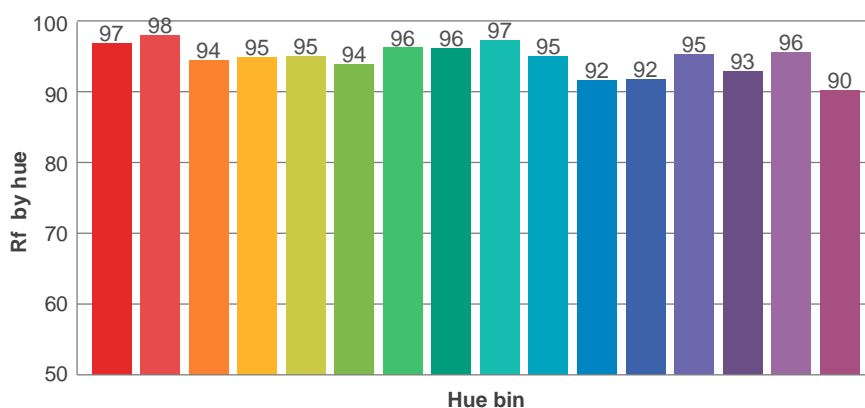
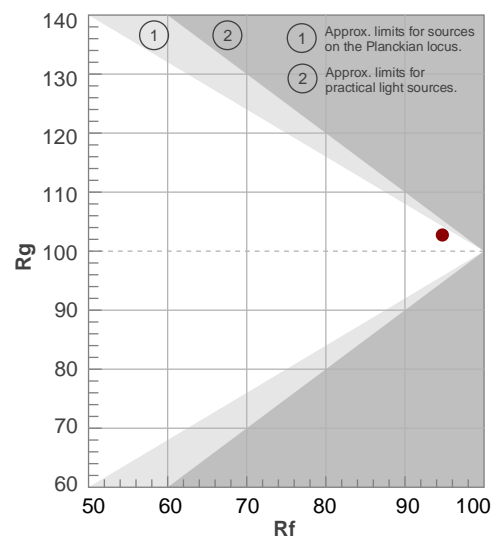
**Rf 94,7**

Fidelity index Rf

**Rg 102,7**

Gamut index Rg

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8	96	1%	-2%
9	97	0%	0%
10	95	-1%	3%
11	92	1%	6%
12	92	4%	3%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

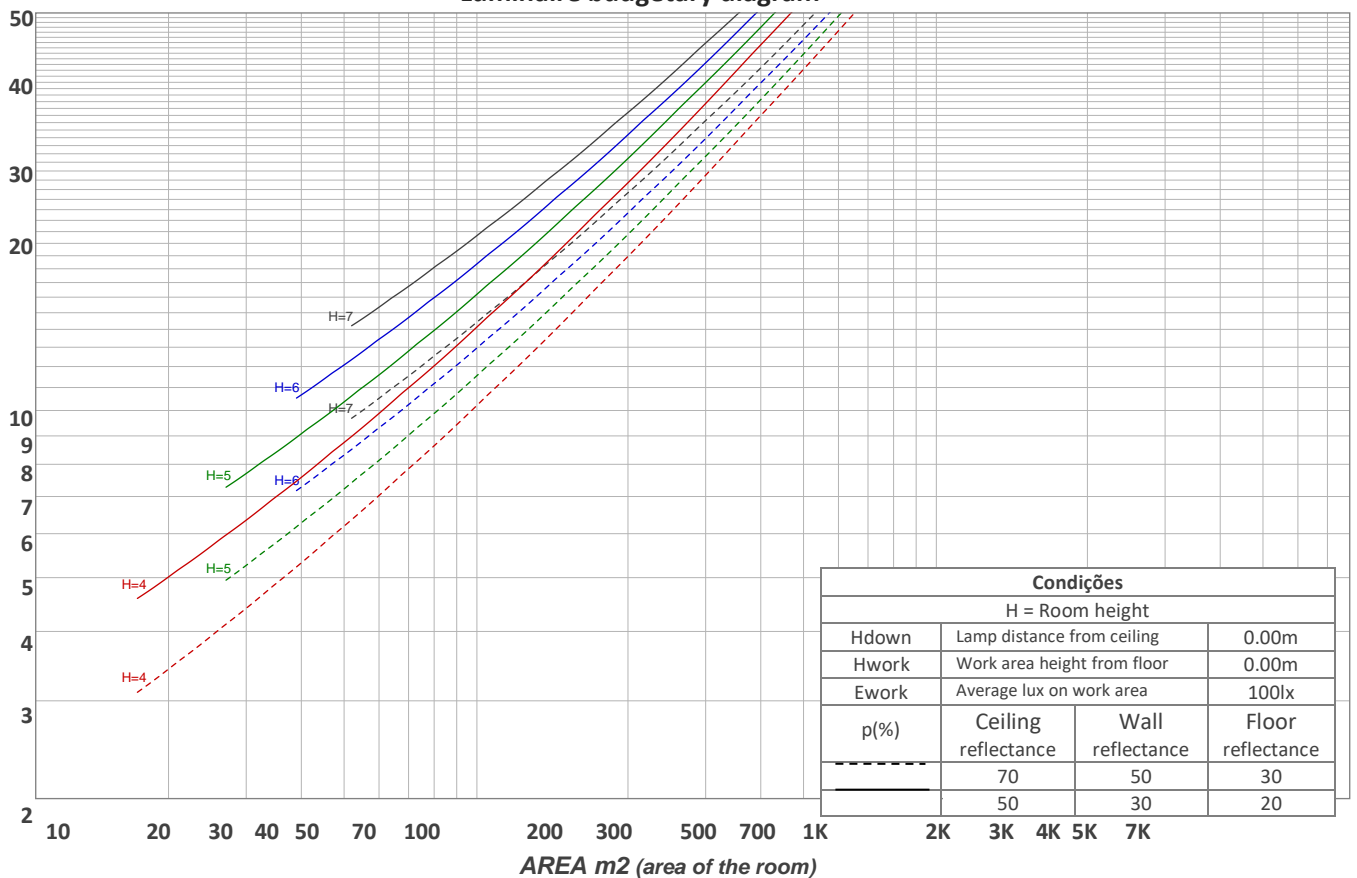
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15,7	16,5	16,7	17,4	18,6	15,4	16,2	16,3	17,1	18,2
	3H	17,1	17,9	18,1	18,7	19,9	16,7	17,5	17,7	18,3	19,5
	4H	17,7	18,3	18,6	19,3	20,4	17,2	17,9	18,2	18,8	19,9
	6H	18,0	18,6	19,0	19,6	20,7	17,6	18,1	18,5	19,1	20,3
	8H	18,1	18,8	19,1	19,7	20,8	17,6	18,3	18,6	19,2	20,3
	12H	18,2	18,9	19,1	19,7	20,9	17,7	18,4	18,6	19,2	20,4
4H	2H	16,2	16,8	17,1	17,8	18,9	15,9	16,6	16,9	17,5	18,6
	3H	17,8	18,5	18,7	19,3	20,5	17,4	18,2	18,4	19,0	20,1
	4H	18,4	19,4	19,4	19,9	21,1	18,0	19,0	19,0	19,5	20,7
	6H	18,8	19,4	19,8	20,3	21,4	18,4	19,0	19,4	19,8	21,0
	8H	19,0	19,4	20,0	20,3	21,5	18,5	18,9	19,5	19,9	21,1
	12H	19,0	19,3	20,0	20,4	21,5	18,6	18,9	19,6	19,9	21,1
8H	4H	18,5	18,9	19,5	19,9	21,1	18,2	18,6	19,2	19,6	20,7
	6H	19,1	19,4	20,1	20,4	21,6	18,7	19,0	19,7	20,1	21,2
	8H	19,3	19,5	20,3	20,6	21,8	18,9	19,1	19,9	20,2	21,4
	12H	19,4	19,6	20,4	20,7	21,8	19,0	19,2	20,0	20,3	21,4
12H	4H	18,5	18,8	19,5	19,8	21,0	18,2	18,5	19,1	19,5	20,6
	6H	19,1	19,3	20,1	20,4	21,6	18,7	18,9	19,8	20,0	21,3
	8H	19,3	19,5	20,4	20,6	21,7	18,9	19,1	20,0	20,2	21,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,2 / -0,3					0,2 / -0,3				
S = 2.0H		0,5 / -0,5					0,4 / -0,6				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1692 lm total luminous flux											

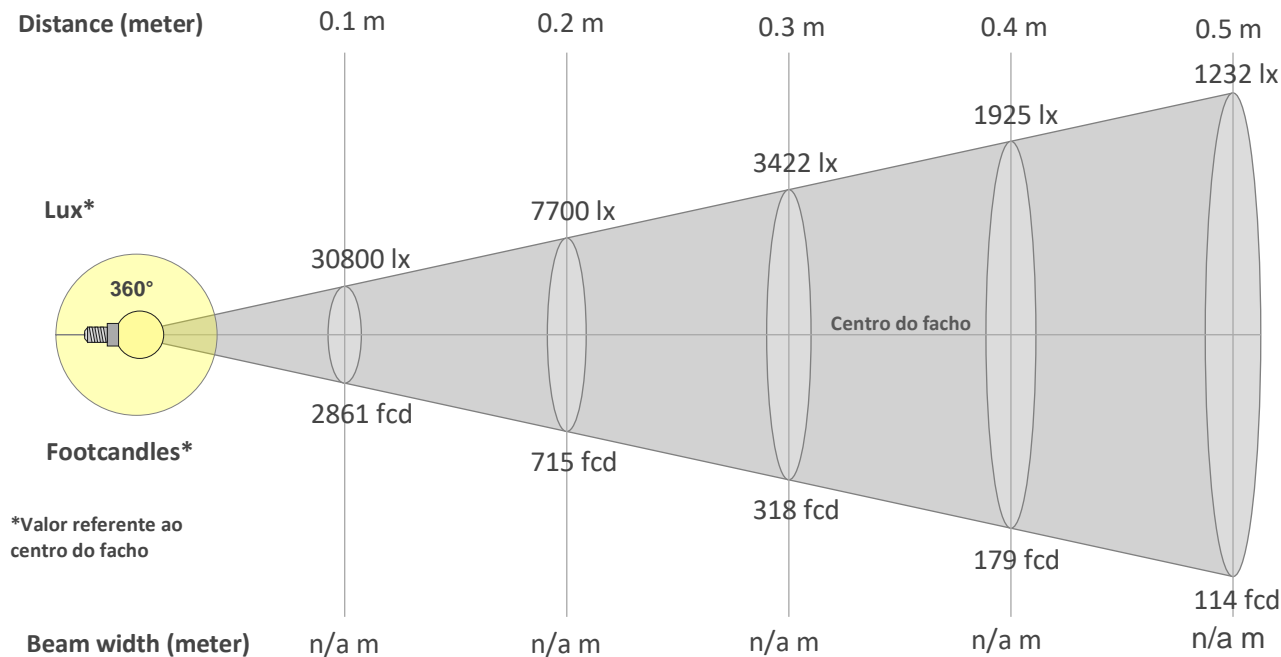
**Coeficiente de utilização**

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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	85	89	86	82	79	72	69	67	59	57	56	47	46	45	40
2	88	81	75	70	81	75	69	65	63	59	56	52	49	47	42	40	38	33
3	81	71	64	58	74	66	59	54	55	51	47	46	42	39	37	34	32	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	38	34	37	32	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	18
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	26	33	27	23	27	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

**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
308lx	77lx	34lx	19lx	12lx	9lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
28,6fcd	7,2fcd	3,2fcd	1,8fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

### 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°
308	302	285	260	227	190	151	109	66	25	3	28	73	121	167	212	253	289	318	336
100%	98%	93%	84%	74%	62%	49%	35%	22%	8%	1%	9%	24%	39%	54%	69%	82%	94%	103%	109%

### 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°
308	301	281	252	218	180	140	100	60	23	2	25	67	112	157	201	243	281	313	335
100%	98%	91%	82%	71%	58%	46%	33%	19%	8%	1%	8%	22%	36%	51%	65%	79%	91%	102%	109%

### Intensities in 180° c-plane

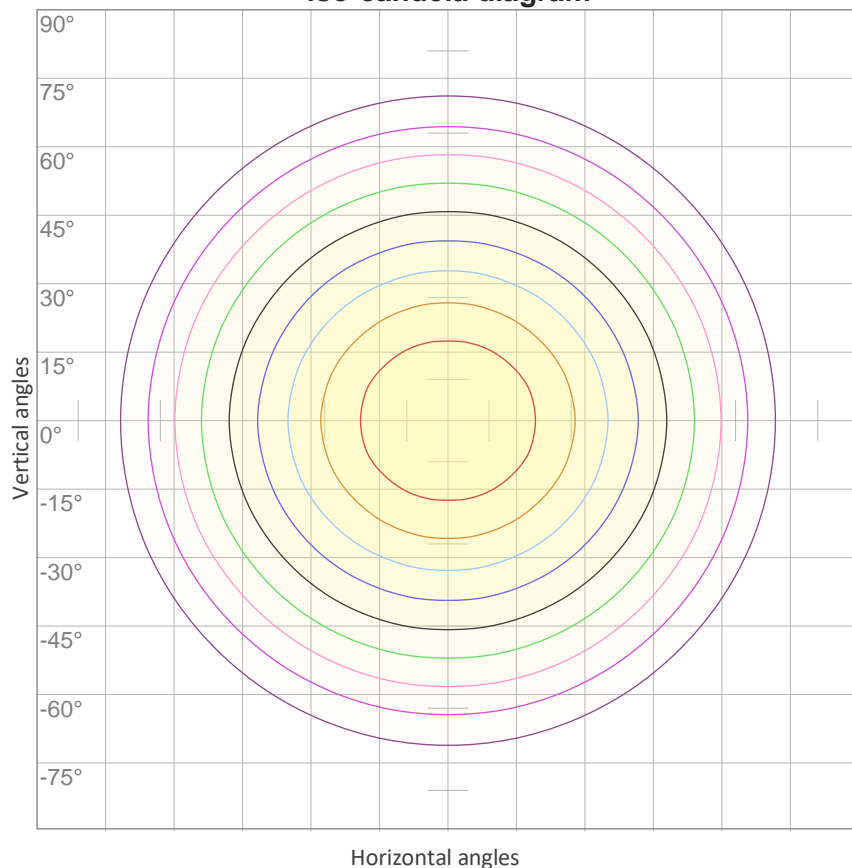
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
308	302	285	260	227	190	151	109	66	25	3	28	73	121	167	212	253	289	318	336
100%	98%	93%	84%	74%	62%	49%	35%	22%	8%	1%	9%	24%	39%	54%	69%	82%	94%	103%	109%

### 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°
308	301	281	252	218	180	140	100	60	23	2	25	67	112	157	201	243	281	313	335
100%	98%	91%	82%	71%	58%	46%	33%	19%	8%	1%	8%	22%	36%	51%	65%	79%	91%	102%	109%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	37,9%	26,3%

**iso-candela diagram**



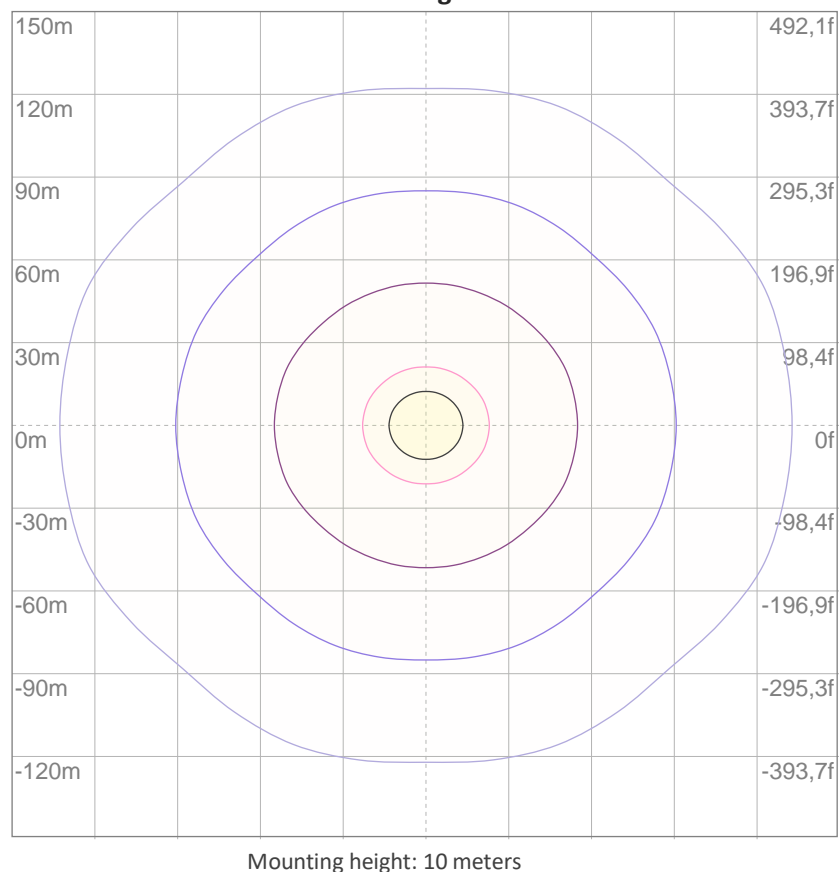
10%	31 cd
20%	62 cd
30%	92 cd
40%	123 cd
50%	154 cd
60%	185 cd
70%	216 cd
80%	246 cd
90%	277 cd

Conditions:

Number of c-planes: 16

Candela at center: 308 cd

**iso-lux diagram**



3%	92,4m lx
5%	0,154 lx
10%	0,308 lx
30%	0,924 lx
50%	1,54 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,08 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 3,56 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**