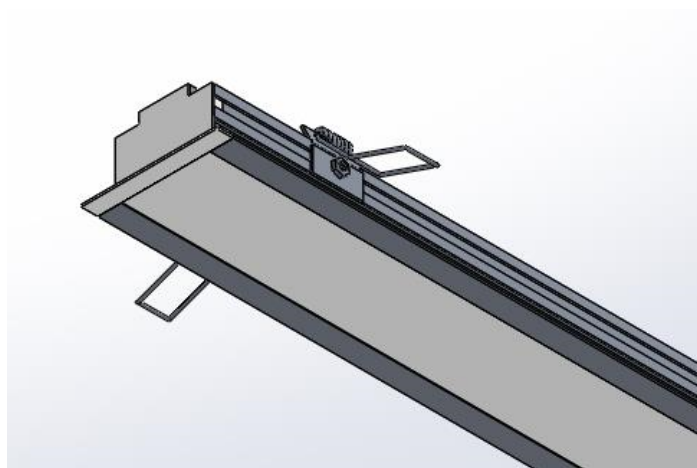


# SLED9104 E46 BARRA M80B 69W 3000K 80 2124mm



Fluxo luminoso – 6109 lm

Potência – 69,0 W

Intensidade pico – 2397cd

CCT – 2866K

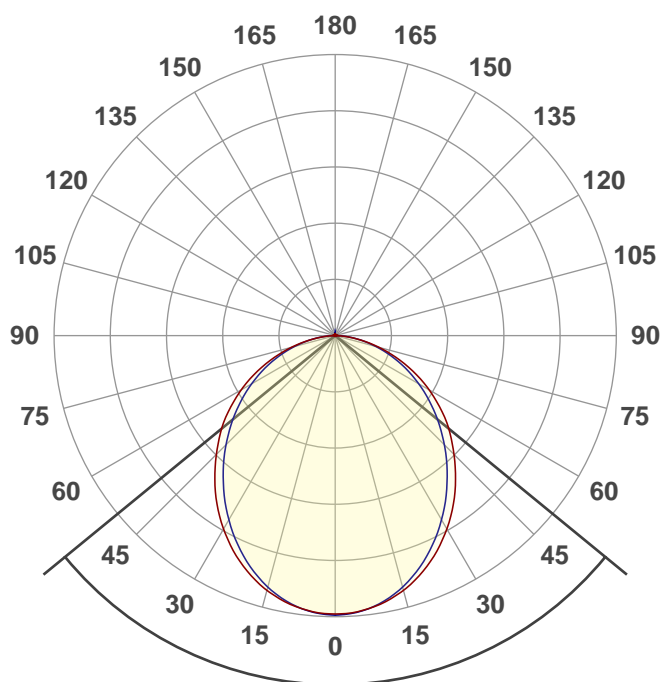


IRC – 83,5

Coordenada CIE 1931 – x- 0,445 y- 0,403

Data do ensaio

14/03/2023 15:08:57



Facho de abertura

**101,3°**

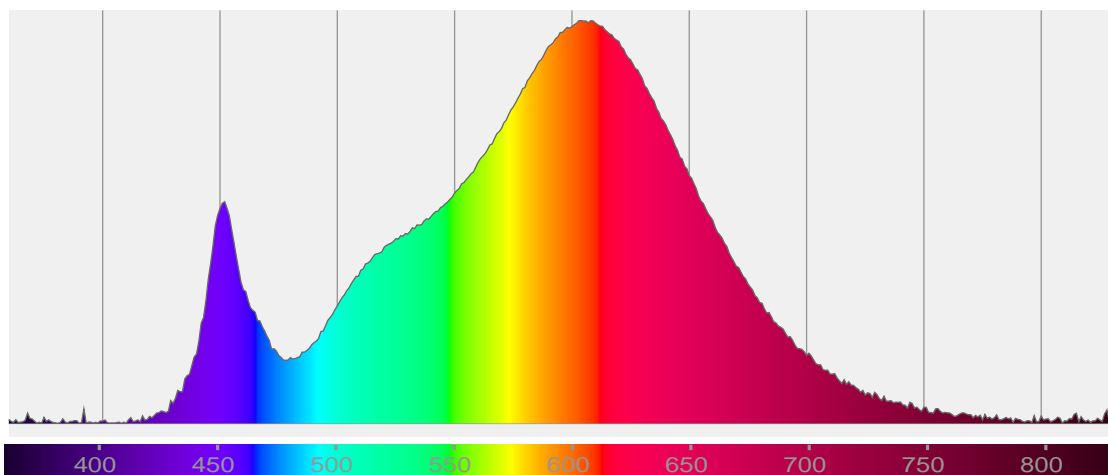
**Rf 84,9**

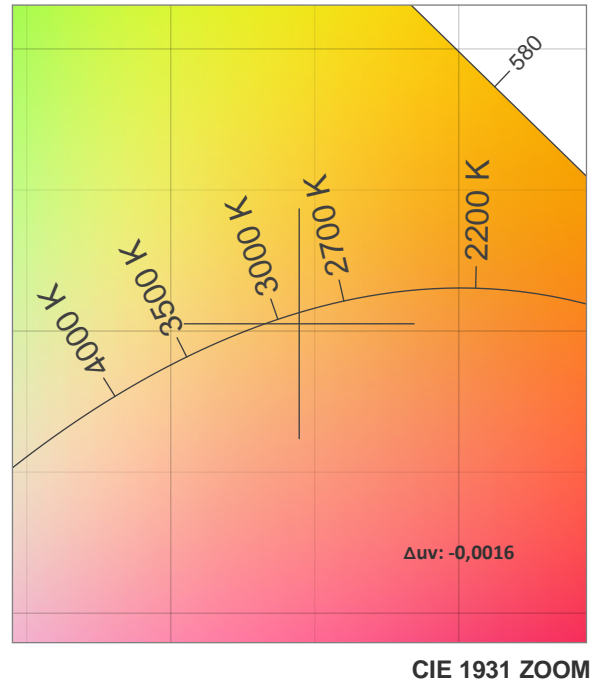
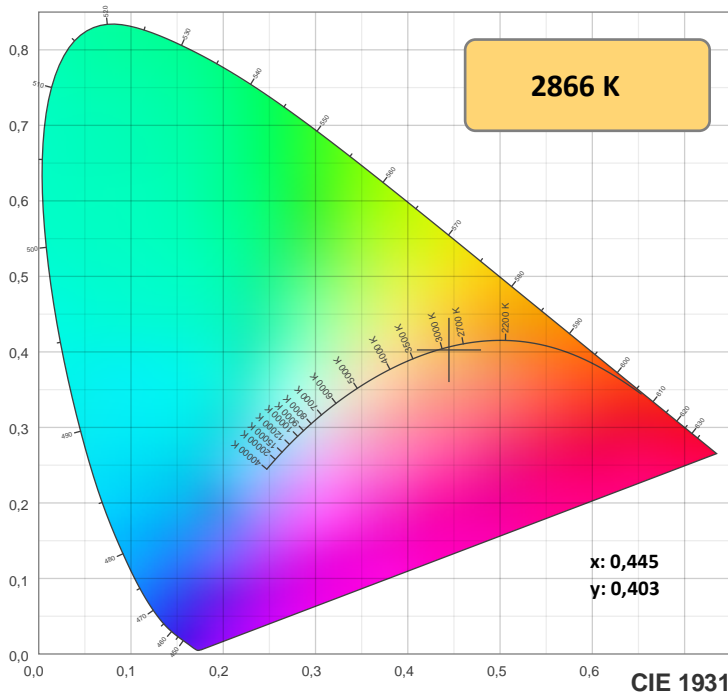
Fidelity index Rf

**Rg 97,0**

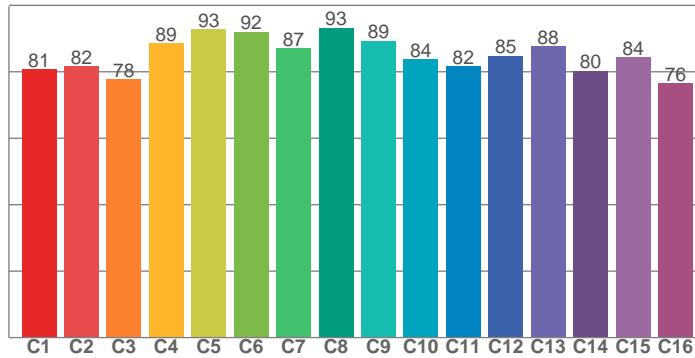
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	82	-8%	7%
3	78	-3%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	76	-8%	-17%

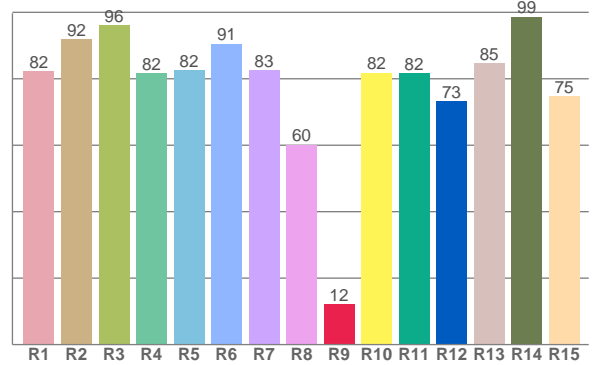




TM-30: 84,9



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIre R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,4	92,0	96,1	81,7	82,5	90,5	82,5	60,2	12,2	81,8	81,6	73,2	84,8	98,7	74,6

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	81,6	77,8	88,6	92,7	92,0	87,0	93,2	89,3	83,8	81,6	84,8	87,6	80,3	84,3	76,5

## 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
2866 K	83,5	12,2	84,9	97,0	82,2	0,445	0,403	0,256	0,348	-0,0016

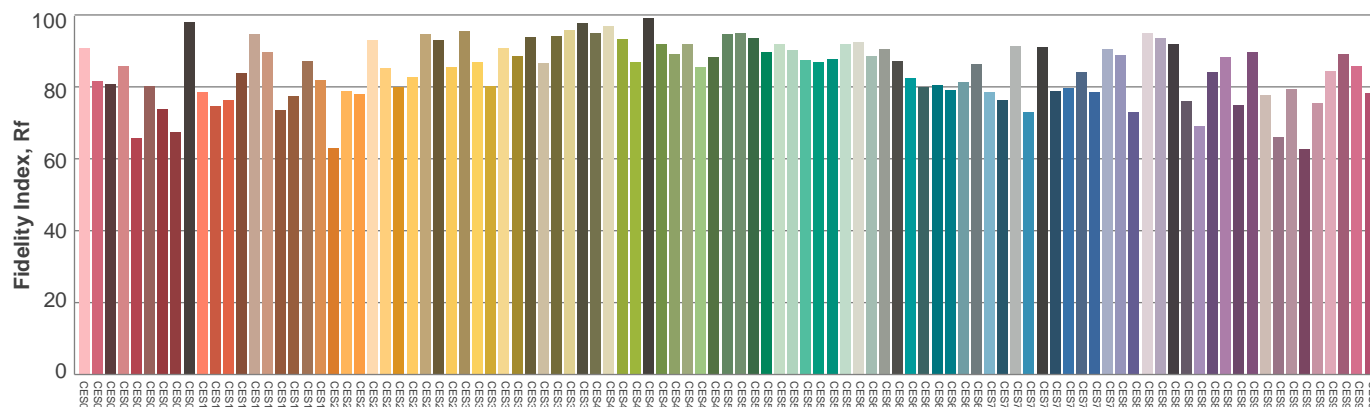
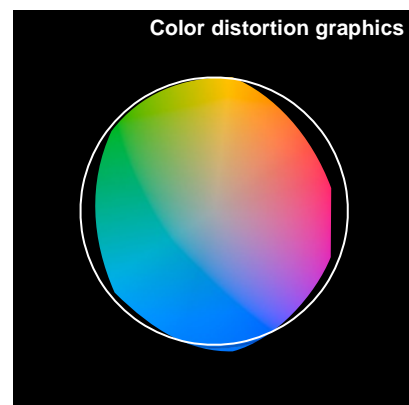
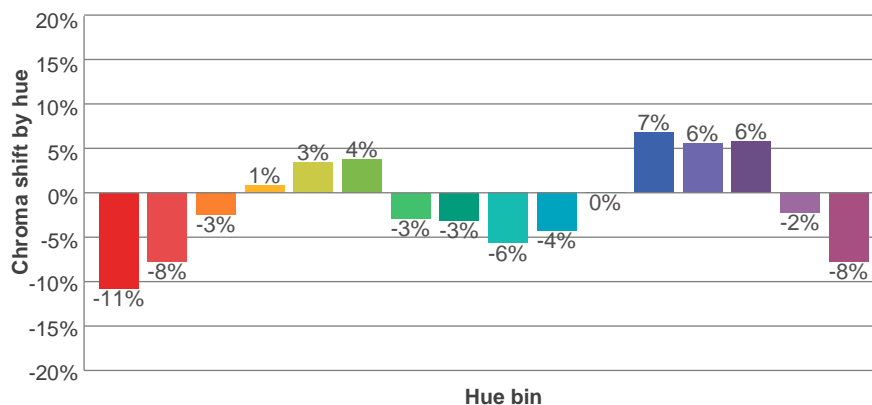
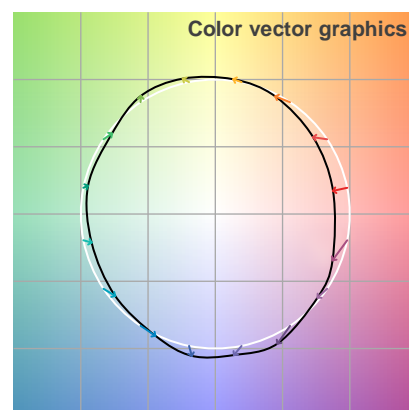
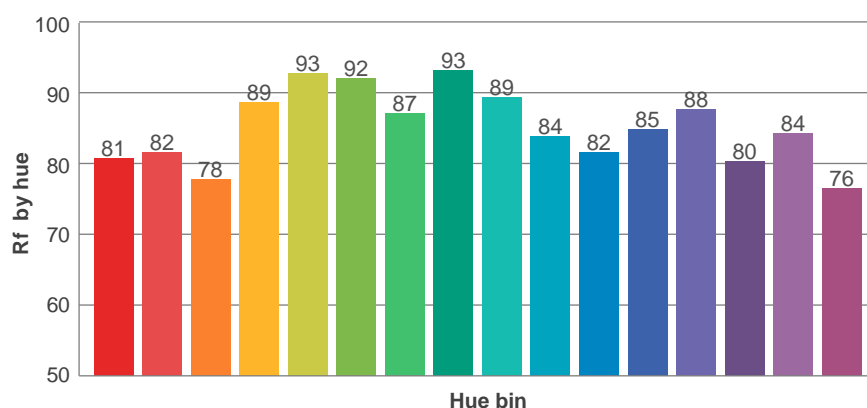
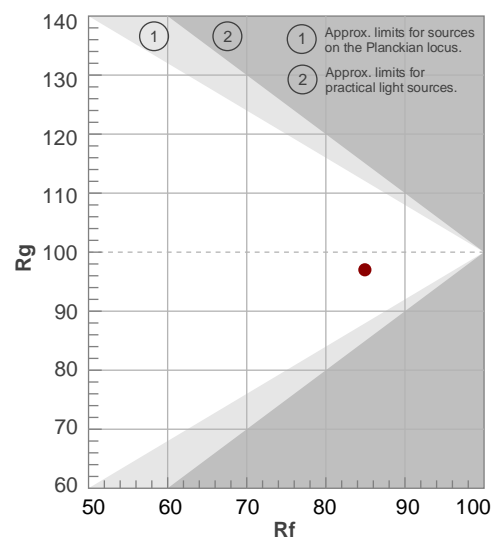
**Rf 84,9**

Fidelity index Rf

**Rg 97,0**

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	82	-8%	7%
3	78	-3%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	76	-8%	-17%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

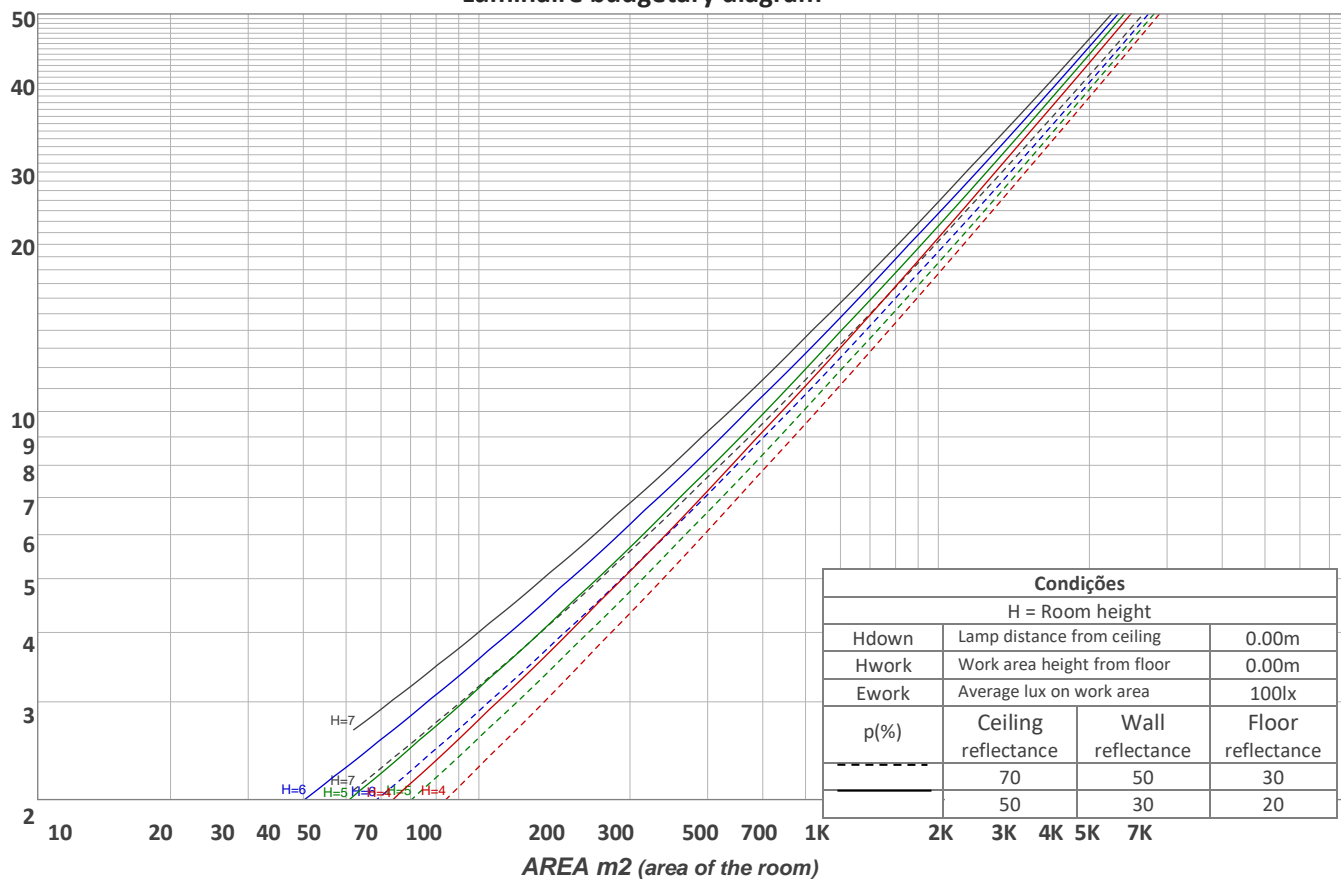
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	22,9	24,1	23,1	24,4	24,6	22,4	23,6	22,6	23,9	24,1
	3H	24,3	25,5	24,7	25,8	26,0	23,8	25,0	24,2	25,3	25,5
	4H	24,9	26,1	25,3	26,4	26,6	24,4	25,5	24,8	25,8	26,1
	6H	25,4	26,4	25,7	26,7	27,1	24,9	25,9	25,2	26,2	26,6
	8H	25,5	26,5	25,9	26,8	27,3	25,0	26,0	25,4	26,4	26,8
	12H	25,6	26,6	26,0	26,9	27,4	25,1	26,1	25,5	26,4	26,9
4H	2H	23,4	24,6	23,8	24,9	25,1	23,0	24,2	23,4	24,5	24,7
	3H	25,2	26,1	25,5	26,5	26,9	24,7	25,7	25,1	26,0	26,5
	4H	25,8	26,7	26,3	27,1	27,7	25,4	26,3	25,8	26,7	27,2
	6H	26,4	27,2	26,9	27,6	28,0	25,9	26,8	26,4	27,2	27,5
	8H	26,5	27,3	27,0	27,7	28,1	26,1	26,9	26,7	27,3	27,7
	12H	26,6	27,3	27,1	27,7	28,2	26,3	26,9	26,8	27,4	27,8
8H	4H	26,1	26,8	26,6	27,2	27,6	25,7	26,5	26,2	26,8	27,2
	6H	26,8	27,4	27,3	27,8	28,4	26,4	27,0	26,9	27,5	28,0
	8H	27,0	27,6	27,6	28,1	28,7	26,7	27,2	27,2	27,8	28,4
	12H	27,2	27,7	27,8	28,2	28,8	26,9	27,4	27,5	27,9	28,5
12H	4H	26,1	26,7	26,6	27,2	27,6	25,7	26,3	26,2	26,8	27,3
	6H	26,8	27,4	27,4	27,9	28,5	26,5	27,0	27,0	27,5	28,2
	8H	27,1	27,6	27,7	28,1	28,7	26,8	27,3	27,4	27,8	28,4
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 / -0,2					0,1 / -0,3				
S = 2.0H		0,5 / -0,5					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 6109 lm total luminous flux											

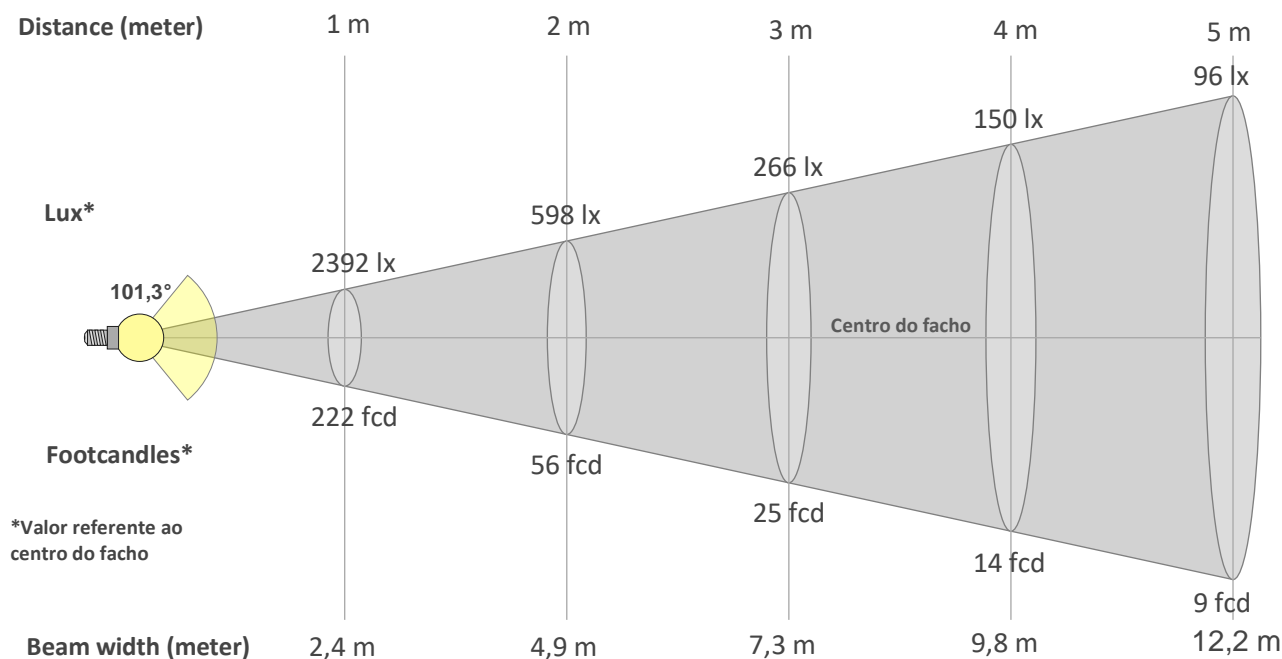
**Coeficiente de utilização**

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	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	38	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

**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
2392lx	598lx	266lx	150lx	96lx	66lx	49lx	37lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
222,2fcd	55,6fcd	24,7fcd	13,9fcd	8,9fcd	6,2fcd	4,5fcd	3,5fcd	2,7fcd	2,2fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd

### 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°
2392	2374	2332	2263	2167	2051	1916	1767	1606	1442	1281	1109	931	748	565	390	228	93	15	5
100%	99%	97%	95%	91%	86%	80%	74%	67%	60%	54%	46%	39%	31%	24%	16%	10%	4%	1%	0%

### 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°
2392	2377	2322	2234	2117	1978	1824	1662	1494	1325	1157	991	828	669	511	361	221	97	12	3
100%	99%	97%	93%	89%	83%	76%	69%	62%	55%	48%	41%	35%	28%	21%	15%	9%	4%	1%	0%

### Intensities in 180° c-plane

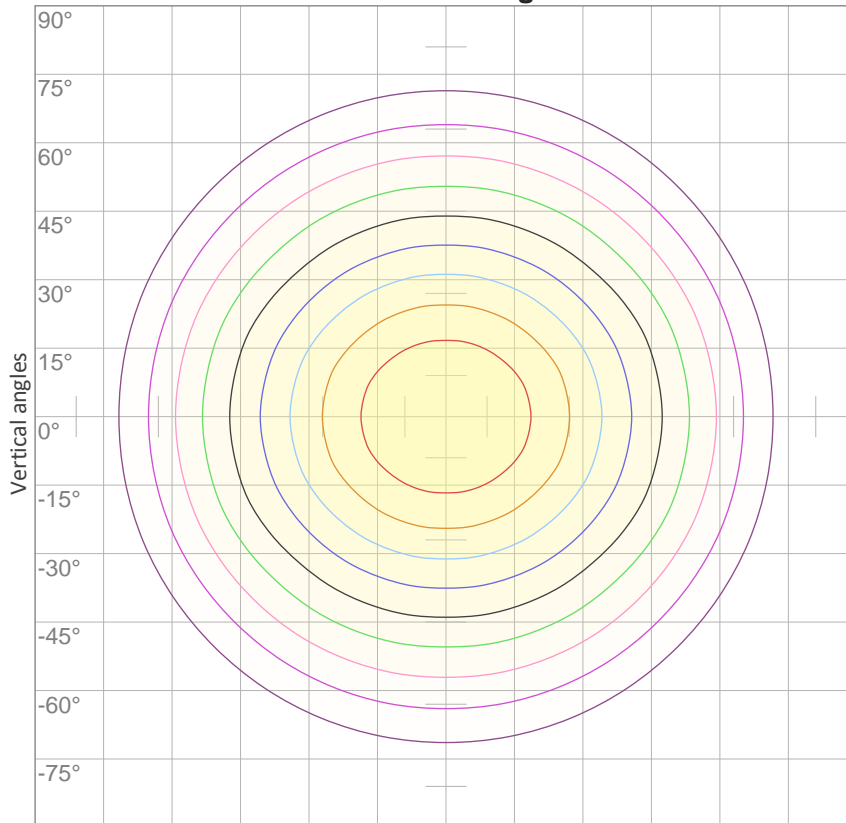
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2392	2374	2332	2263	2167	2051	1916	1767	1606	1442	1281	1109	931	748	565	390	228	93	15	5
100%	99%	97%	95%	91%	86%	80%	74%	67%	60%	54%	46%	39%	31%	24%	16%	10%	4%	1%	0%

### 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°
2392	2377	2322	2234	2117	1978	1824	1662	1494	1325	1157	991	828	669	511	361	221	97	12	3
100%	99%	97%	93%	89%	83%	76%	69%	62%	55%	48%	41%	35%	28%	21%	15%	9%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101,3°	159,1°	173,4°	79,6%	55,6%

iso-candela diagram



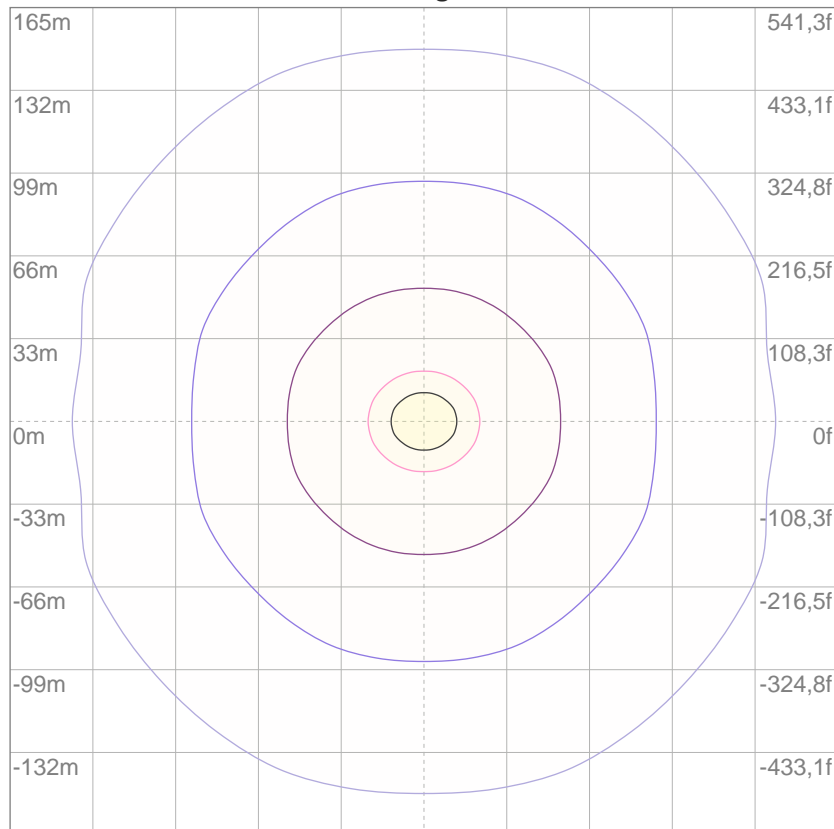
10%	239 cd
20%	478 cd
30%	718 cd
40%	957 cd
50%	1196 cd
60%	1435 cd
70%	1674 cd
80%	1914 cd
90%	2153 cd

Conditions:

Number of c-planes: 16

Candela at center: 2392 cd

iso-lux diagram



3%	0,718 lx
5%	1,20 lx
10%	2,39 lx
30%	7,18 lx
50%	12,0 lx

Conditions:

Number of c-planes: 16

Lux at center: 23,9 lx

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

**Potência**


**Voltagem: 241 V**  
**Corrente: 0,287 A**  
**Frequência: 0 Hz**  
**FP: 0,57**

**THD**



**THD corrente: n/a**  
**THD tensão: n/a**