

SLED 9165H EX12 10W IP67 2700K 24V 90 1m



Perfil flexível

Fluxo luminoso – 544 lm/m

Potência – 9,6 W/m

Intensidade pico – 167cd

CCT – 2663K



IRC – 92,4

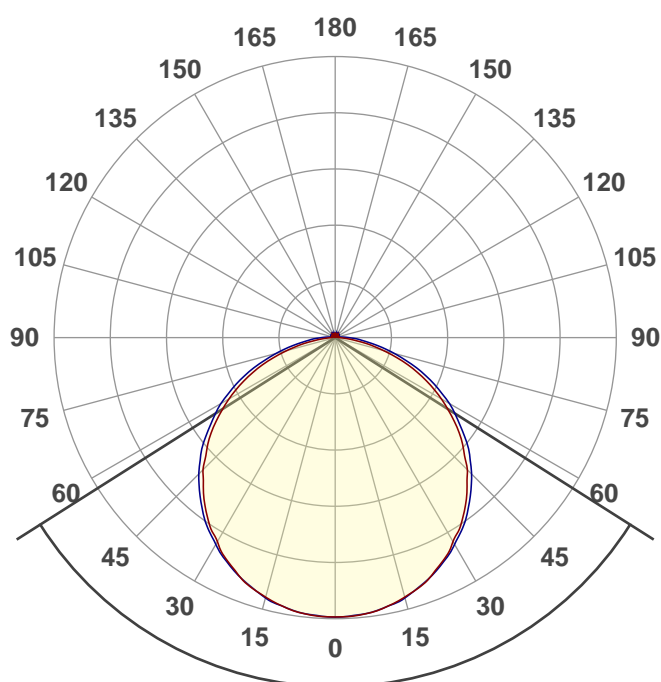
Coordenada CIE 1931 – x- 0,462 y- 0,409

24V

IP67

Data do ensaio

14/12/2022 10:55:27



Facho de abertura

115,2°

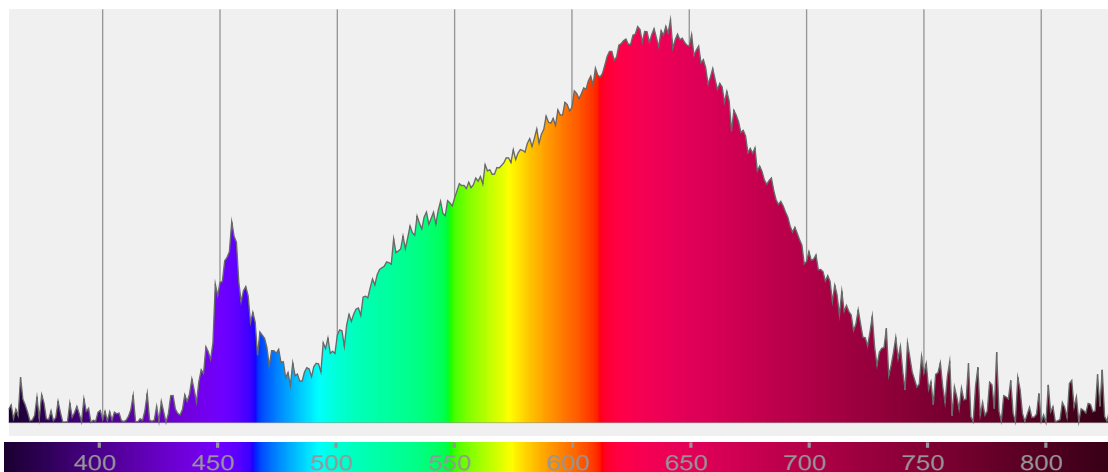
Rf 90,2

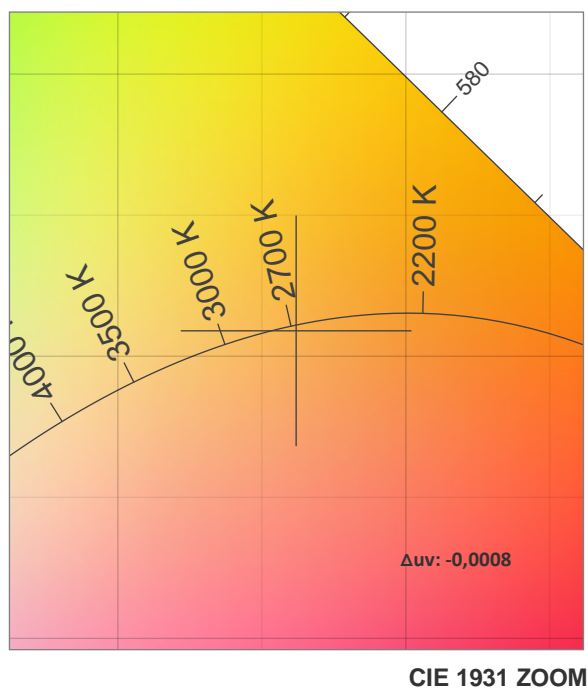
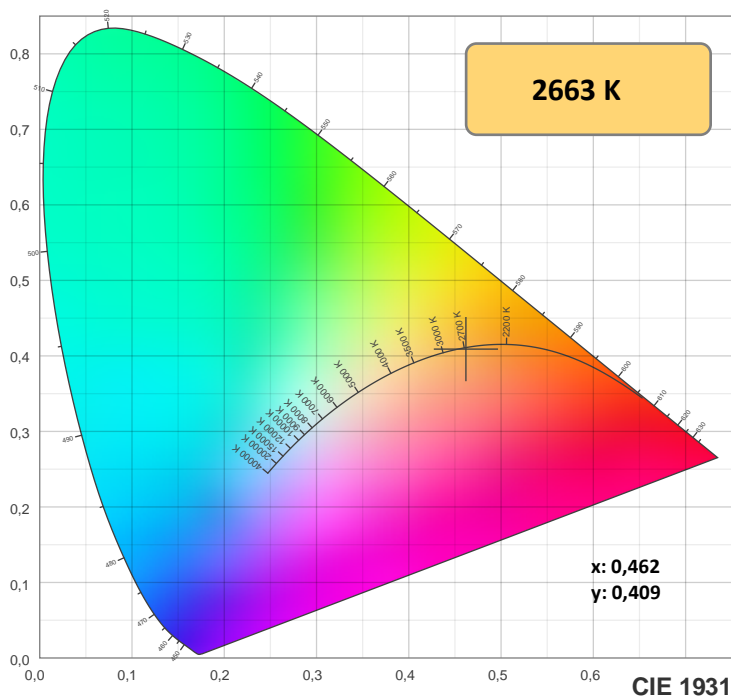
Fidelity index Rf

Rg 101,7

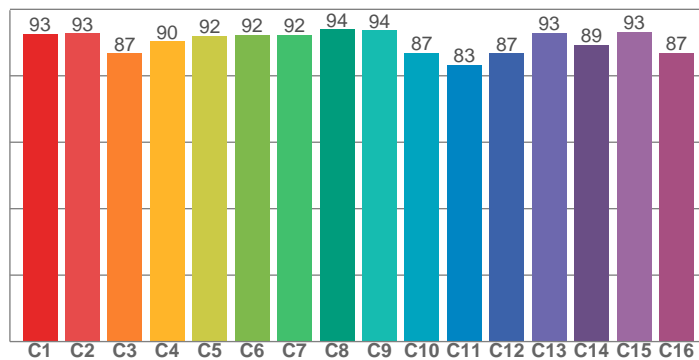
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	93	-3%	3%
3	87	-1%	7%
4	90	0%	5%
5	92	3%	5%
6	92	5%	0%
7	92	2%	-4%
8	94	-2%	-4%
9	94	-3%	1%
10	87	-3%	8%
11	83	0%	12%
12	87	5%	6%
13	93	5%	-1%
14	89	7%	-5%
15	93	1%	-4%
16	87	1%	-10%

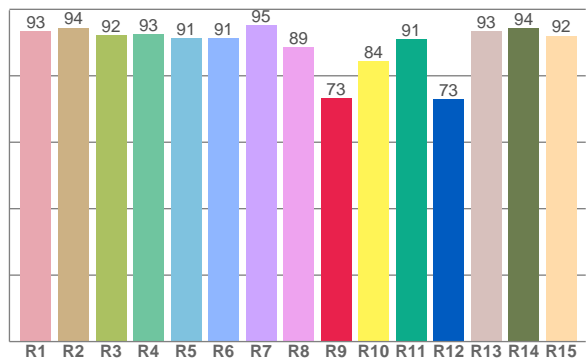




TM-30: 90,2



CRI: 92,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,4	94,5	92,2	92,5	91,3	91,3	95,2	88,7	73,2	84,3	91,0	73,0	93,5	94,4	92,1

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	92,7	86,8	90,4	92,1	92,4	92,3	93,9	93,7	86,9	83,3	86,7	92,9	89,3	93,2	86,8

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
2663 K	92,4	73,2	90,2	101,7	88,4	0,462	0,409	0,265	0,351	-0,0008

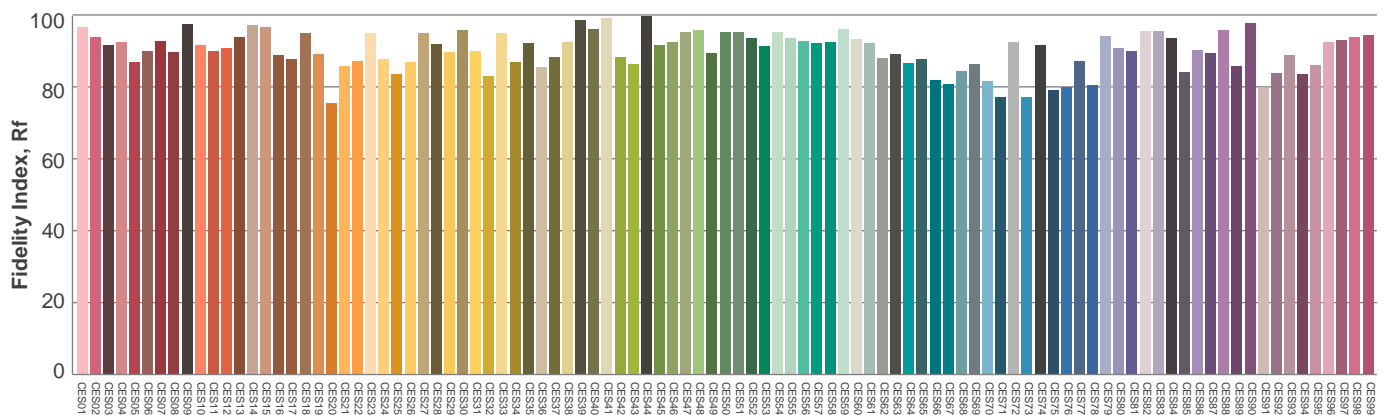
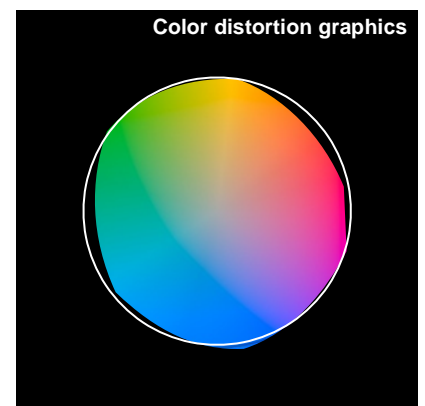
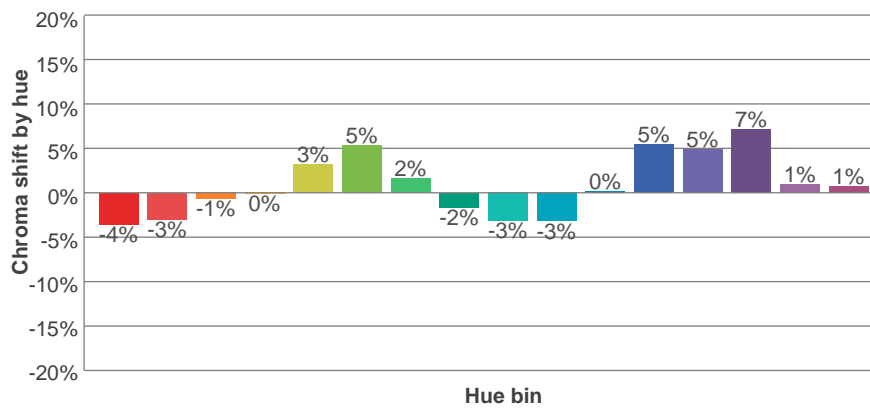
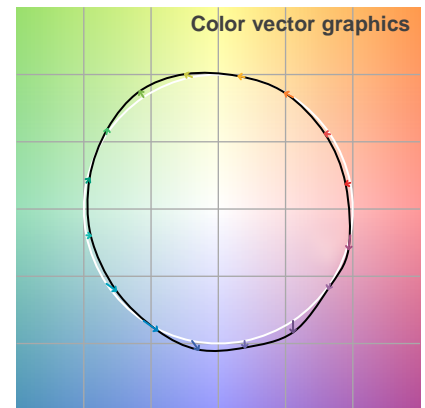
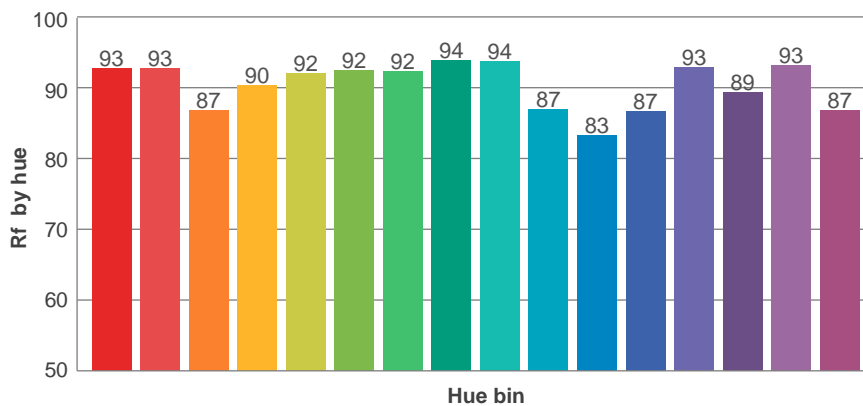
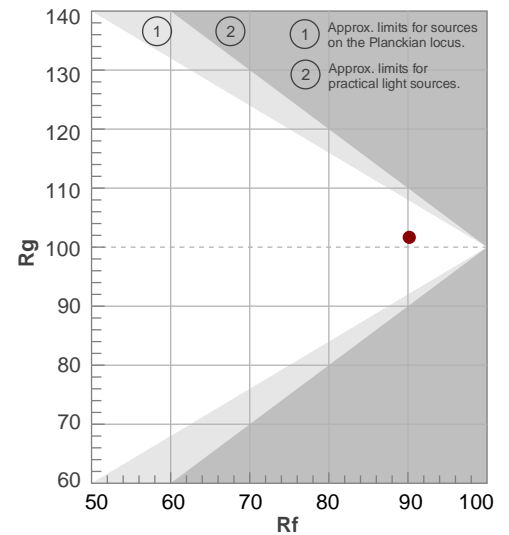
Rf 90,2

Fidelity index Rf

Rg 101,7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	93	-3%	3%
3	87	-1%	7%
4	90	0%	5%
5	92	3%	5%
6	92	5%	0%
7	92	2%	-4%
8	94	-2%	-4%
9	94	-3%	1%
10	87	-3%	8%
11	83	0%	12%
12	87	5%	6%
13	93	5%	-1%
14	89	7%	-5%
15	93	1%	-4%
16	87	1%	-10%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

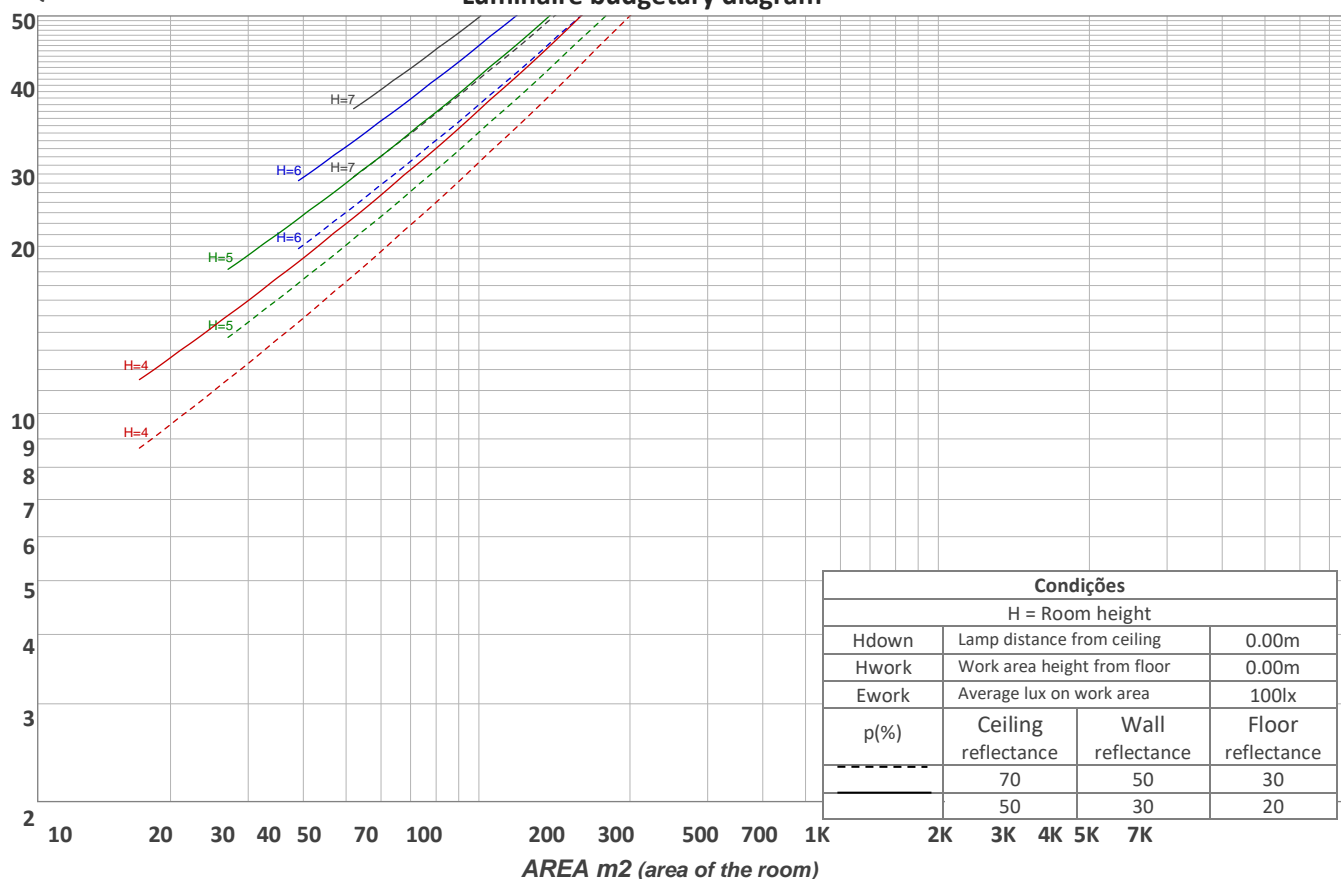
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	19,0	20,2	19,3	20,6	20,9	20,0	21,3	20,3	21,6	21,9
	3H	20,1	21,4	20,6	21,8	22,0	21,6	22,8	22,0	23,2	23,5
	4H	20,5	21,7	21,0	22,1	22,4	22,2	23,4	22,7	23,8	24,1
	6H	20,8	21,9	21,2	22,2	22,7	22,8	23,9	23,2	24,3	24,7
	8H	20,8	21,9	21,3	22,3	22,7	23,1	24,1	23,5	24,5	24,9
	12H	20,8	21,9	21,3	22,3	22,8	23,2	24,3	23,7	24,7	25,2
4H	2H	19,5	20,7	20,0	21,0	21,4	20,3	21,5	20,8	21,9	22,2
	3H	21,1	22,1	21,5	22,5	23,0	22,1	23,1	22,5	23,5	24,0
	4H	21,6	22,6	22,1	23,0	23,7	22,8	23,7	23,3	24,2	24,8
	6H	22,1	23,0	22,6	23,4	23,9	23,4	24,3	23,9	24,7	25,1
	8H	22,2	23,0	22,8	23,5	23,9	23,6	24,4	24,2	24,9	25,4
	12H	22,3	23,0	22,8	23,5	24,0	23,9	24,6	24,4	25,1	25,6
8H	4H	21,8	22,6	22,4	23,1	23,5	22,9	23,7	23,4	24,1	24,6
	6H	22,6	23,2	23,1	23,7	24,3	23,6	24,2	24,1	24,7	25,3
	8H	22,9	23,5	23,5	24,1	24,8	23,9	24,4	24,5	25,0	25,7
	12H	23,2	23,7	23,8	24,2	24,9	24,2	24,7	24,8	25,2	25,9
12H	4H	21,8	22,5	22,4	23,0	23,5	22,9	23,6	23,4	24,0	24,6
	6H	22,6	23,2	23,2	23,7	24,4	23,6	24,2	24,2	24,7	25,4
	8H	23,0	23,5	23,6	24,0	24,7	23,9	24,4	24,6	25,0	25,6
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,2					0,1 / -0,2				
S = 1.5H		0,3 / -0,5					0,4 / -0,5				
S = 2.0H		0,6 / -1,0					0,9 / -1,0				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 544 lm total luminous flux											

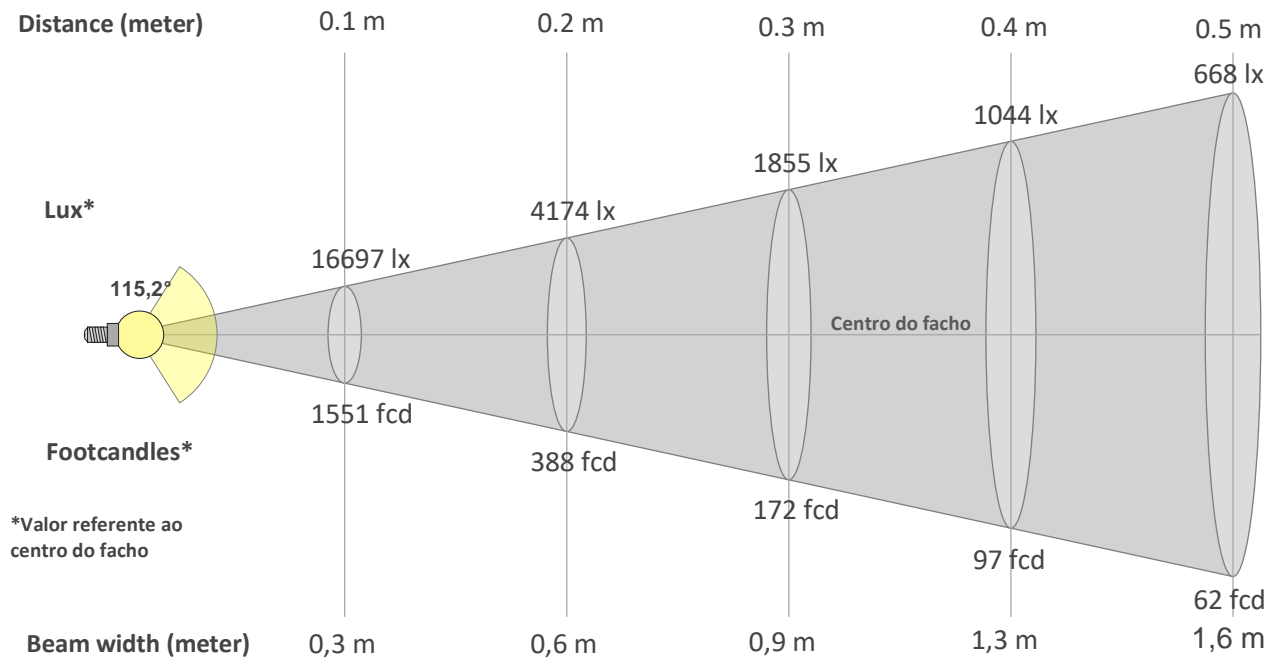
Coeficiente de utilização

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	107	102	97	93	103	99	95	91	93	90	87	89	86	83	84	82	80	77
2	96	88	81	75	93	85	79	73	81	75	71	77	72	68	73	69	66	63
3	88	76	68	61	85	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51	77	66	57	51	62	55	49	59	53	48	57	51	47	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	51	45	40	38
6	67	54	44	38	65	52	44	37	50	42	37	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	21

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
167lx	42lx	19lx	10lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15,5fcd	3,9fcd	1,7fcd	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°
167	167	164	161	156	149	141	133	122	112	99	87	73	59	45	30	17	7	3	2
100%	100%	98%	96%	94%	89%	84%	79%	73%	67%	60%	52%	44%	36%	27%	18%	10%	4%	2%	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°
167	166	164	161	156	150	143	135	125	115	104	91	79	65	51	37	24	15	8	4
100%	100%	98%	96%	93%	90%	85%	81%	75%	69%	62%	55%	47%	39%	30%	22%	15%	9%	5%	2%

Intensities in 180° c-plane

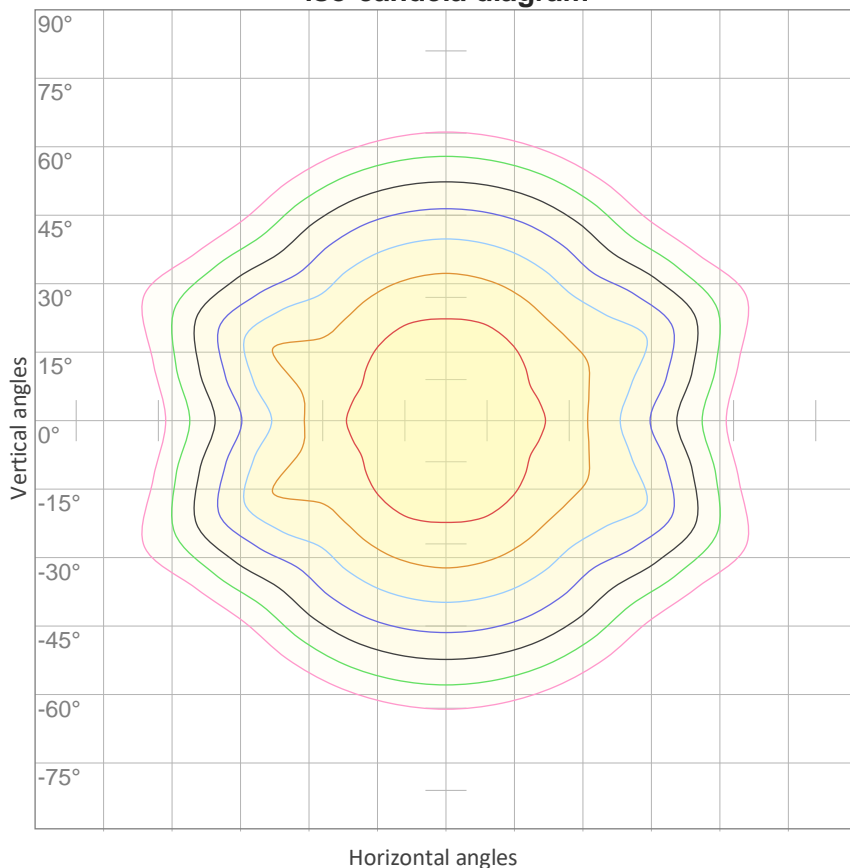
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
167	167	164	161	156	149	141	133	122	112	99	87	73	59	45	30	17	7	3	2
100%	100%	98%	96%	94%	89%	84%	79%	73%	67%	60%	52%	44%	36%	27%	18%	10%	4%	2%	1%

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°
167	166	164	161	156	150	143	135	125	115	104	91	79	65	51	37	24	15	8	4
100%	100%	98%	96%	93%	90%	85%	81%	75%	69%	62%	55%	47%	39%	30%	22%	15%	9%	5%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,2°	164,1°	182,2°	71,5%	44,8%

iso-candela diagram



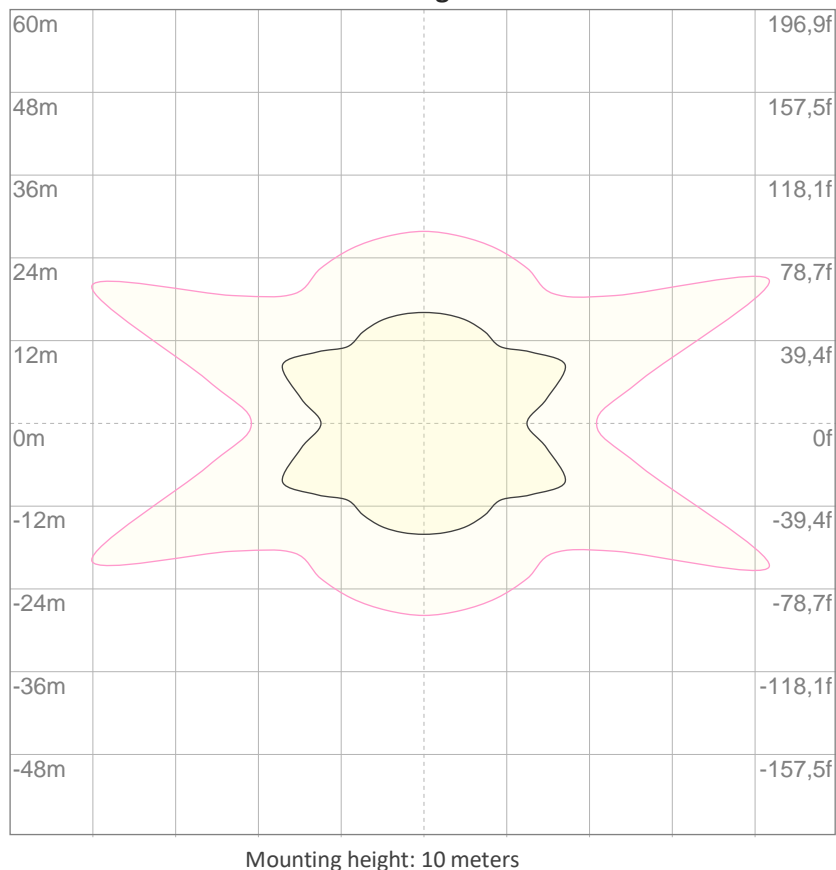
10%	17 cd
20%	33 cd
30%	50 cd
40%	67 cd
50%	83 cd
60%	100 cd
70%	117 cd
80%	134 cd
90%	150 cd

Conditions:

Number of c-planes: 16

Candela at center: 167 cd

iso-lux diagram



3%	50,1m lx
5%	83,5m lx
10%	0,167 lx
30%	0,501 lx
50%	0,835 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,67 lx

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

Potência

Voltagem: 24,0 V

Corrente: 0,400 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a