

W20 SLED9083 BRANCA FITA 9,6WM 3000K 80 - 1m



Luminária linear roda teto na parede com iluminação difusa up light. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc. OBS.: Para o ensaio fotométrico o .ies tem que ser posicionado a uma distancia minima de 25mm do teto.

Fluxo luminoso – 616 lm/m

Potência – 9,1 W/m

Intensidade pico – 270cd

CCT – 2953K



IRC – 81,3

Coordenada CIE 1931 – x- 0,437 y- 0,399

A x L - 26x42

Peso - 0,3kg/m

IP - 20 - Uso Interno

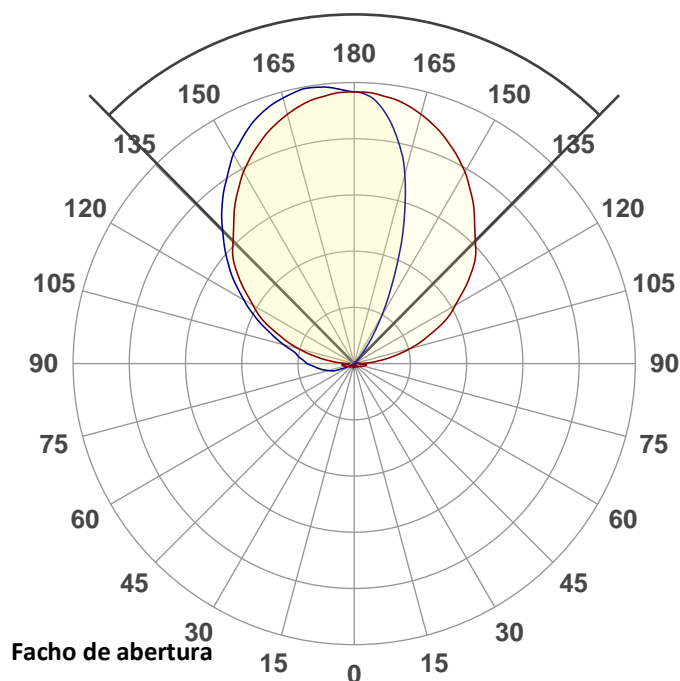
IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

26/02/2021 11:10:52

89,2°



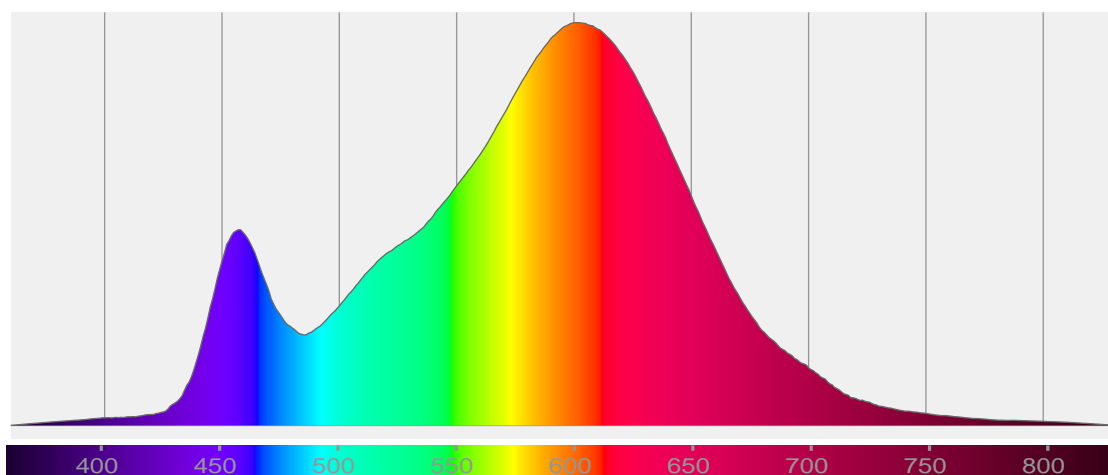
Rf 83,2

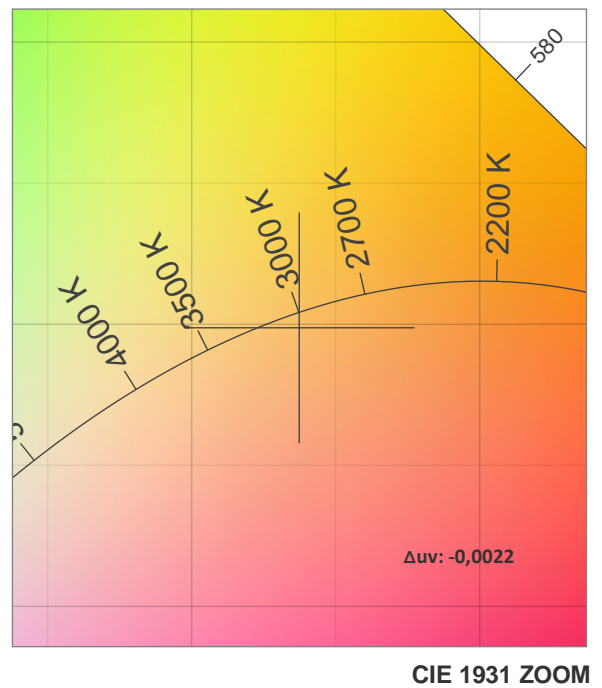
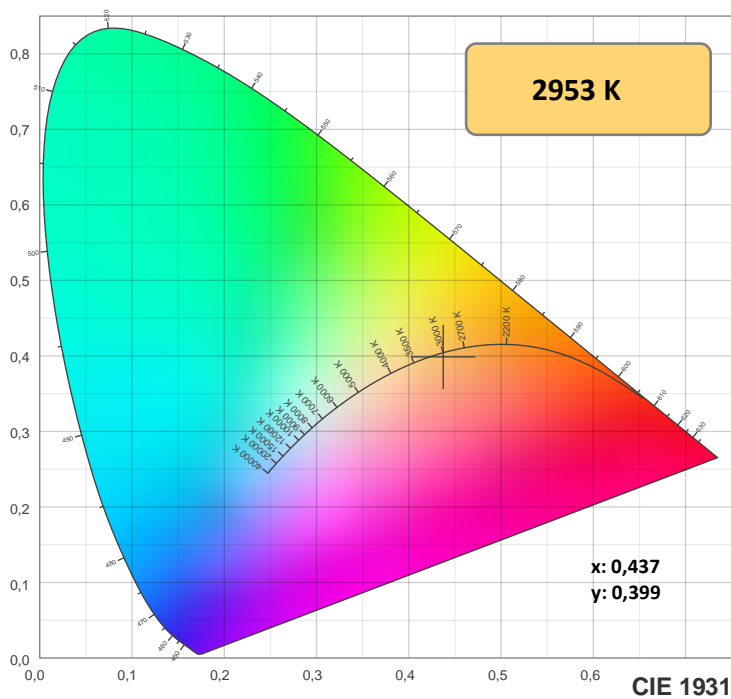
Fidelity index Rf

Rg 94,0

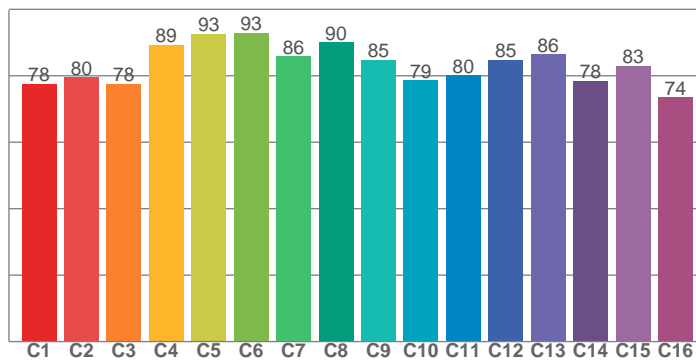
Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 78 | -12% | 1% |
| 2 | 80 | -9% | 8% |
| 3 | 78 | -3% | 11% |
| 4 | 89 | -1% | 5% |
| 5 | 93 | 0% | 3% |
| 6 | 93 | 1% | -3% |
| 7 | 86 | -7% | -5% |
| 8 | 90 | -6% | 1% |
| 9 | 85 | -6% | 7% |
| 10 | 79 | -3% | 13% |
| 11 | 80 | 2% | 15% |
| 12 | 85 | 7% | 2% |
| 13 | 86 | 4% | -9% |
| 14 | 78 | 4% | -17% |
| 15 | 83 | -5% | -9% |
| 16 | 74 | -10% | -18% |

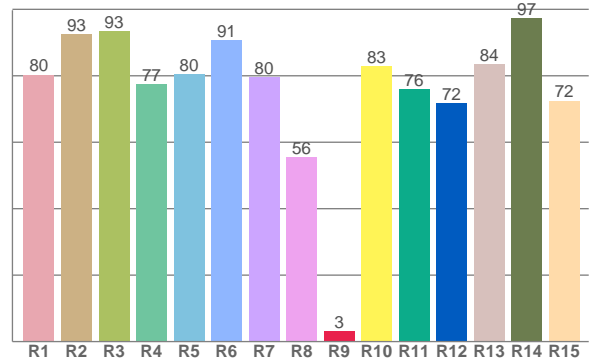




TM-30: 83,2



CRI: 81,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 80,3 | 92,6 | 93,5 | 77,4 | 80,5 | 90,8 | 79,6 | 55,6 | 3,1 | 82,8 | 76,0 | 71,7 | 83,5 | 97,2 | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77,6 | 79,6 | 77,6 | 89,3 | 92,7 | 92,9 | 85,8 | 90,0 | 84,8 | 78,7 | 80,1 | 84,8 | 86,4 | 78,4 | 83,0 | 73,5 |

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 |
| 2953 K | 81,3 | 3,1 | 83,2 | 94,0 | 80,3 | 0,437 | 0,399 | 0,253 | 0,346 | -0,0022 |

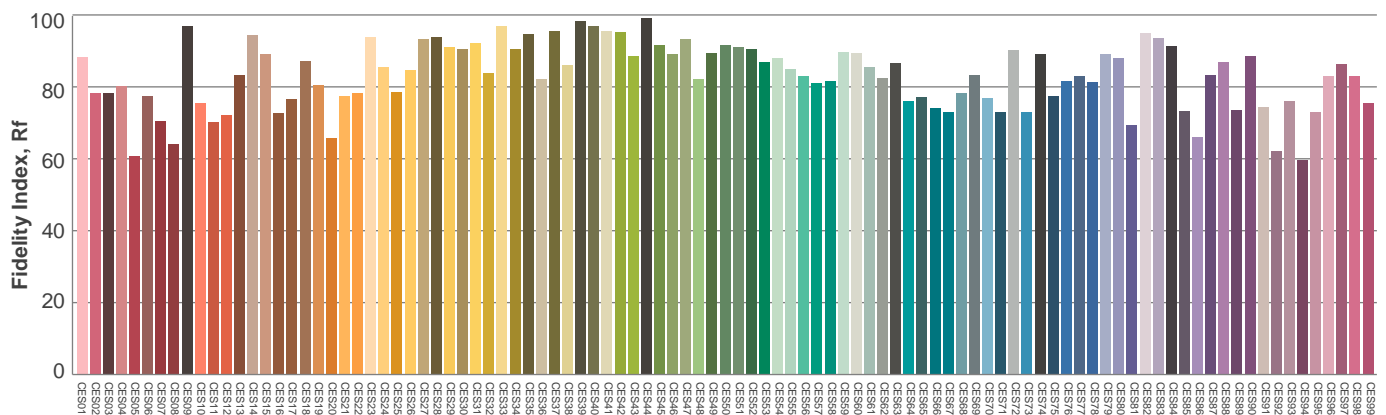
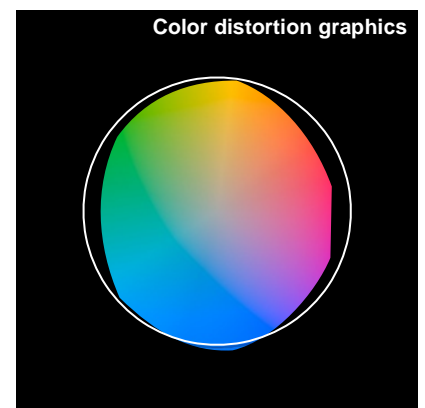
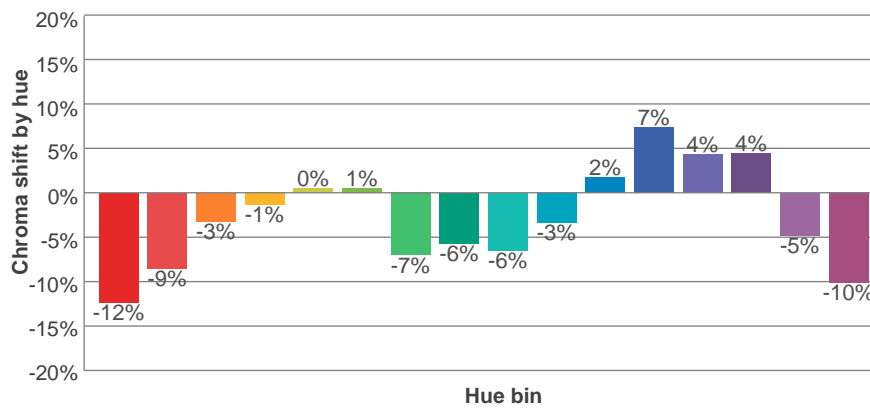
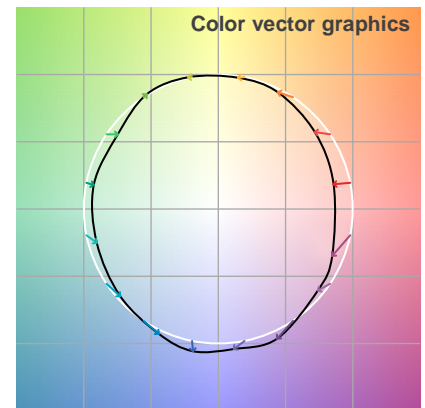
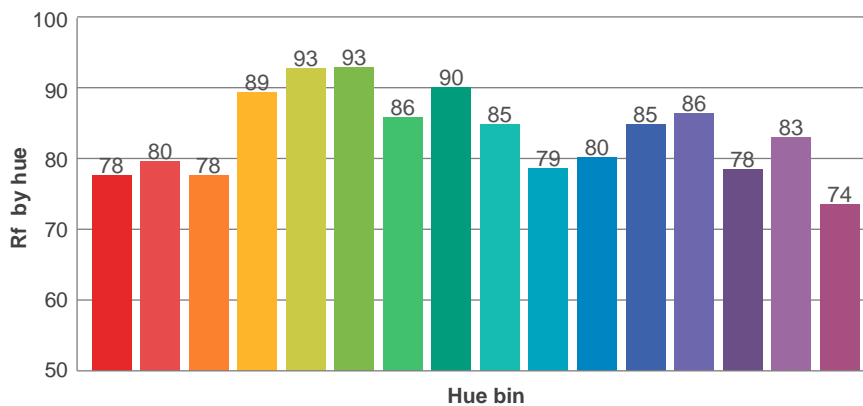
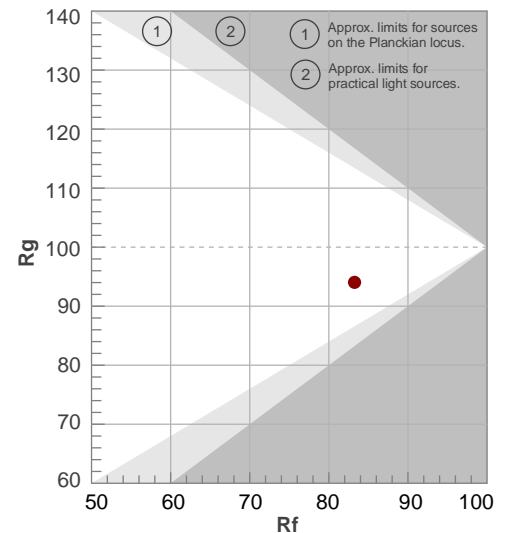
Rf 83,2

Fidelity index Rf

Rg 94,0

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 78 | -12% | 1% |
| 2 | 80 | -9% | 8% |
| 3 | 78 | -3% | 11% |
| 4 | 89 | -1% | 5% |
| 5 | 93 | 0% | 3% |
| 6 | 93 | 1% | -3% |
| 7 | 86 | -7% | -5% |
| 8 | 90 | -6% | 1% |
| 9 | 85 | -6% | 7% |
| 10 | 79 | -3% | 13% |
| 11 | 80 | 2% | 15% |
| 12 | 85 | 7% | 2% |
| 13 | 86 | 4% | -9% |
| 14 | 78 | 4% | -17% |
| 15 | 83 | -5% | -9% |
| 16 | 74 | -10% | -18% |



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 | | | | |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | |
| n/a | n/a | | | | | n/a | | | | |
| n/a | n/a | | | | | n/a | | | | |
| n/a | n/a | | | | | n/a | | | | |
| Standard table | n/a | | | | | n/a | | | | |
| Correction summand | n/a | | | | | n/a | | | | |
| Corrected glare indices referring to 616 lm total luminous flux | | | | | | | | | | |

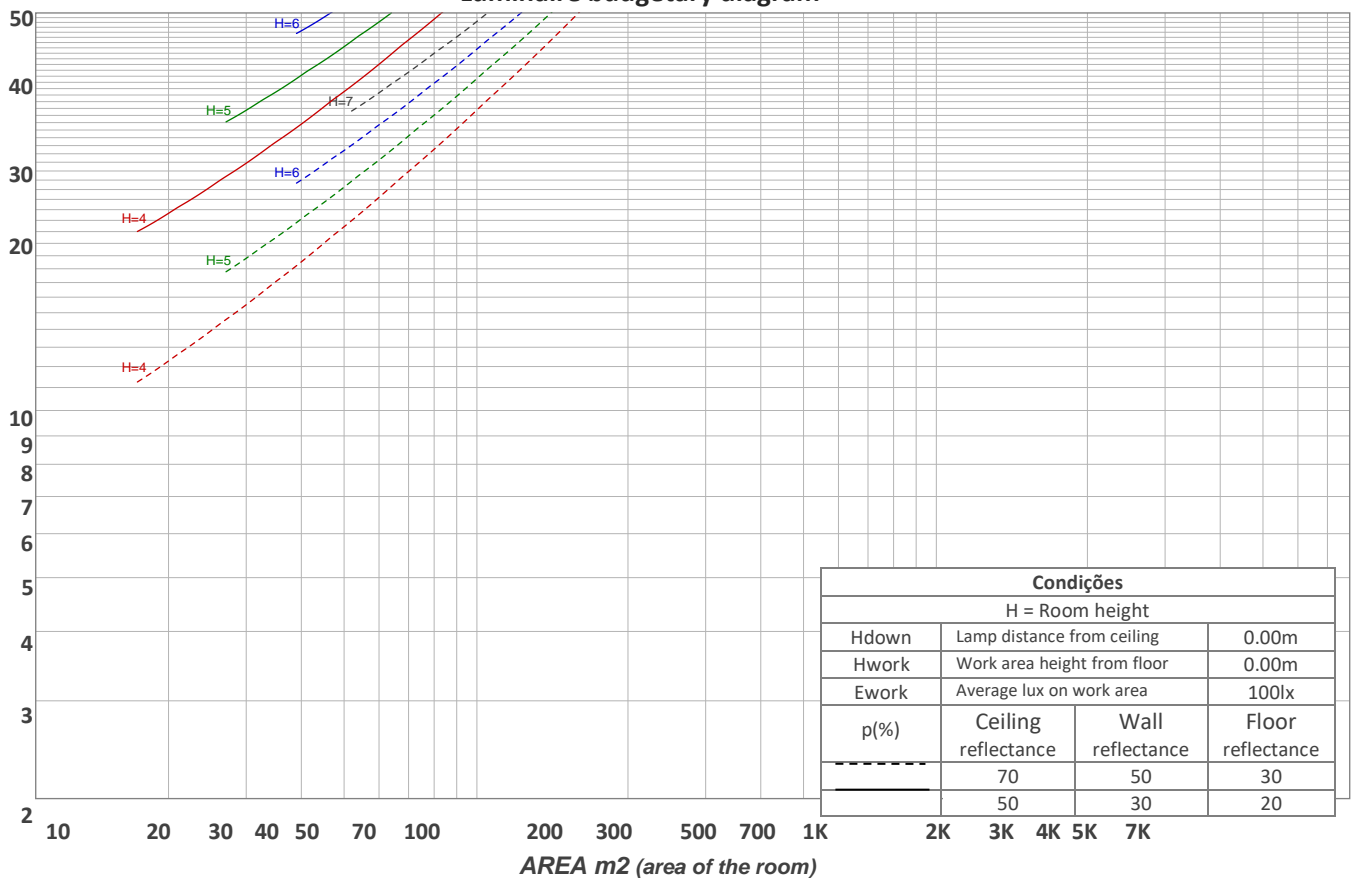
UGR data could not be calculated due to missing/wrong symmetry. Goto Edit->Photometric->Corrections and select Correct asymmetry.

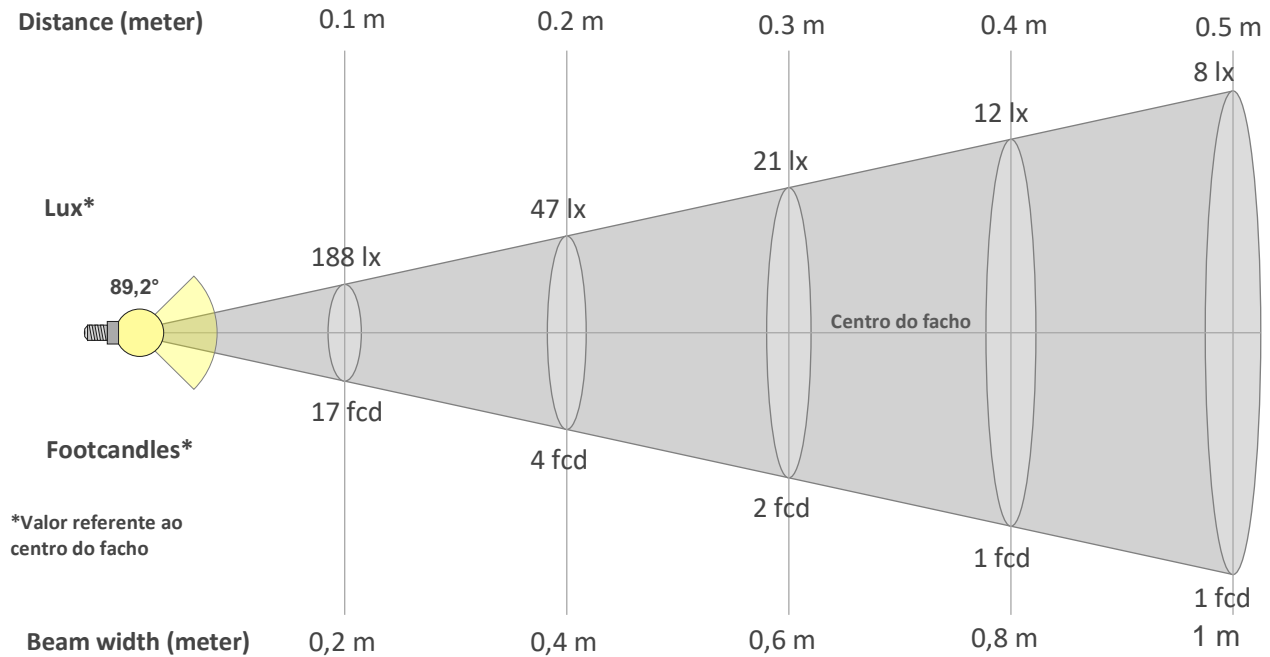
Coeficiente de utilização

| 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 | 97 | 97 | 97 | 97 | 84 | 84 | 84 | 84 | 59 | 59 | 59 | 37 | 37 | 37 | 16 | 16 | 16 | 6 |
| 1 | 87 | 82 | 78 | 74 | 75 | 71 | 68 | 65 | 50 | 48 | 46 | 30 | 29 | 28 | 12 | 12 | 11 | 3 |
| 2 | 79 | 71 | 65 | 60 | 67 | 61 | 56 | 52 | 43 | 40 | 37 | 26 | 24 | 22 | 10 | 9 | 9 | 2 |
| 3 | 71 | 62 | 55 | 49 | 61 | 54 | 48 | 43 | 38 | 34 | 31 | 23 | 20 | 19 | 9 | 8 | 7 | 1 |
| 4 | 65 | 55 | 47 | 41 | 56 | 47 | 41 | 36 | 33 | 29 | 26 | 20 | 18 | 16 | 8 | 7 | 6 | 1 |
| 5 | 60 | 48 | 41 | 35 | 51 | 42 | 35 | 31 | 29 | 25 | 22 | 18 | 15 | 13 | 7 | 6 | 5 | 1 |
| 6 | 55 | 43 | 35 | 30 | 47 | 37 | 31 | 26 | 26 | 22 | 19 | 16 | 13 | 11 | 6 | 5 | 4 | 1 |
| 7 | 50 | 39 | 31 | 26 | 43 | 33 | 27 | 23 | 24 | 19 | 16 | 14 | 12 | 10 | 6 | 5 | 4 | 0 |
| 8 | 46 | 35 | 27 | 22 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 13 | 10 | 9 | 5 | 4 | 3 | 0 |
| 9 | 43 | 31 | 24 | 20 | 37 | 27 | 21 | 17 | 19 | 15 | 12 | 12 | 9 | 8 | 5 | 4 | 3 | 0 |
| 10 | 40 | 29 | 22 | 17 | 34 | 25 | 19 | 15 | 18 | 14 | 11 | 11 | 8 | 7 | 4 | 3 | 2 | 0 |

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 |
| 2lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 0,2fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 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° |
|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 11 | 6 | 20 |
| 100% | 91% | 103% | 110% | 120% | 126% | 144% | 143% | 173% | 221% | 226% | 265% | 300% | 349% | 408% | 498% | 572% | 573% | 310% | 1044% |

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° |
|------|-----|------|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 |
| 100% | 98% | 120% | 103% | 108% | 71% | 95% | 94% | 89% | 83% | 100% | 86% | 73% | 87% | 80% | 68% | 66% | 65% | 71% | 85% |

Intensities in 180° c-plane

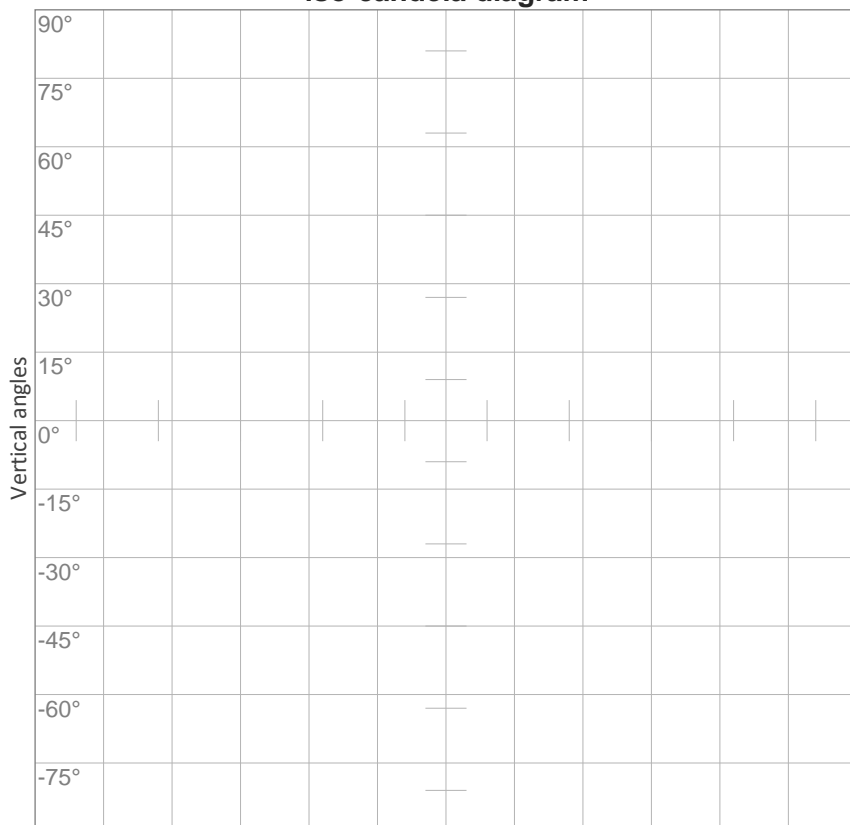
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 11 | 6 | 20 |
| 100% | 91% | 103% | 110% | 120% | 126% | 144% | 143% | 173% | 221% | 226% | 265% | 300% | 349% | 408% | 498% | 572% | 573% | 310% | 1044% |

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° |
|------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|
| 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 9 | 20 | 26 | 32 | 38 | 45 | 51 |
| 100% | 93% | 81% | 87% | 101% | 73% | 76% | 63% | 76% | 90% | 88% | 98% | 110% | 479% | 1067% | 1386% | 1708% | 2018% | 2406% | 2714% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 89,2° | 145,7° | 176,3° | 72,6% | 52,7% |

iso-candela diagram



Horizontal angles

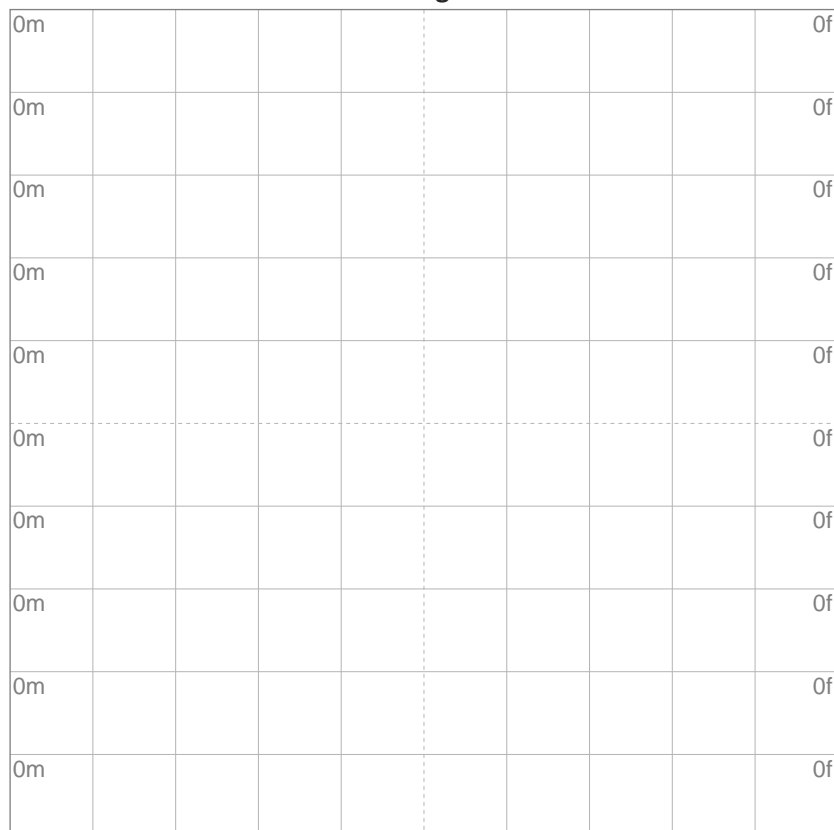
| | |
|-----|------|
| 10% | 0 cd |
| 20% | 0 cd |
| 30% | 1 cd |
| 40% | 1 cd |
| 50% | 1 cd |
| 60% | 1 cd |
| 70% | 1 cd |
| 80% | 2 cd |
| 90% | 2 cd |

Conditions:

Number of c-planes: 16

Candela at center: 2 cd

iso-lux diagram



Mounting height: 10 meters

| | |
|-----|----------|
| 3% | 565u lx |
| 5% | 941u lx |
| 10% | 1,88m lx |
| 30% | 5,65m lx |
| 50% | 9,41m lx |

Conditions:

Number of c-planes: 16

Lux at center: 18,8m lx

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

Potência

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Vttagem: 12,0 V

Corrente: 0,760 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a