

P50 SLED9017 BRANCA FITA 11WM 3000K 95 - 1m



Luminária linear pendente com iluminação difusa.
Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 449 lm/m

Potência – 10,7 W/m

Intensidade pico – 184cd

CCT – 2957K



IRC – 97,9

Coordenada CIE 1931 – x- 0,436 y- 0,396

A x L - 50x50

Peso - 1,1kg/m

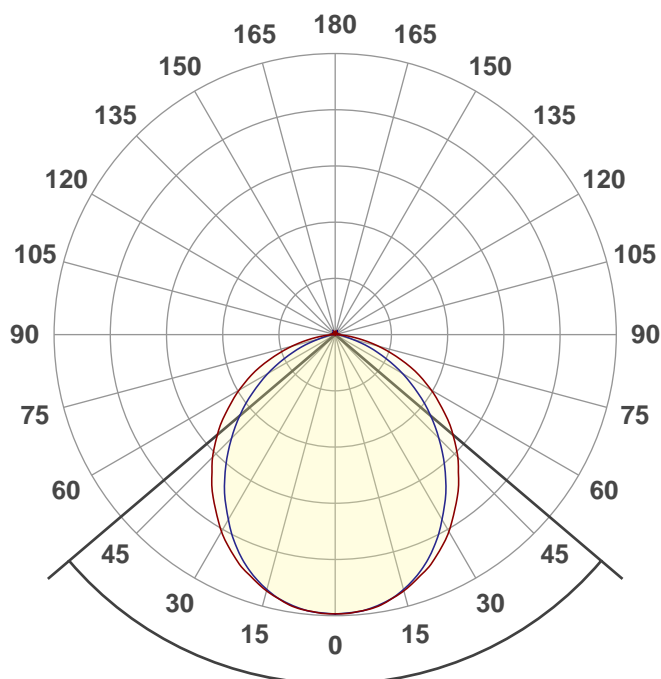
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

23/11/2022 09:53:15



Facho de abertura

99,3°

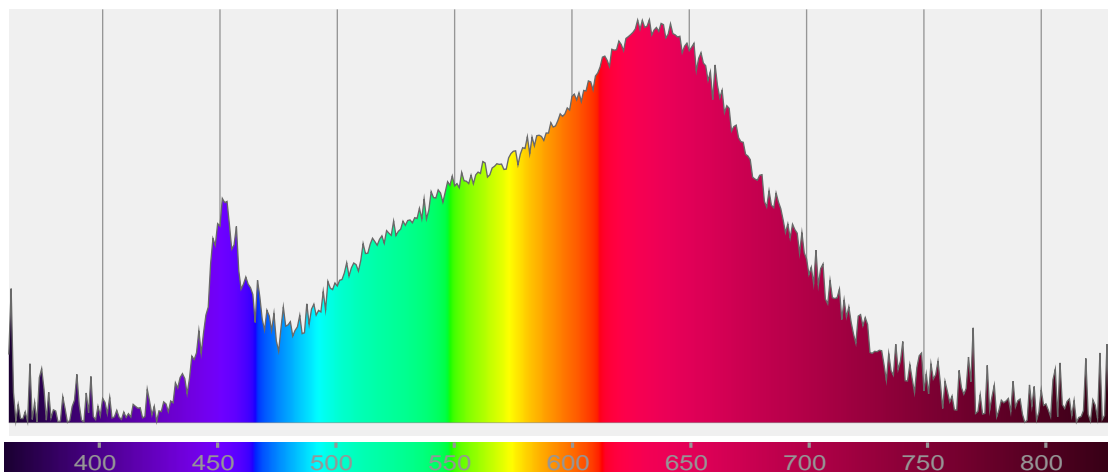
Rf 94,7

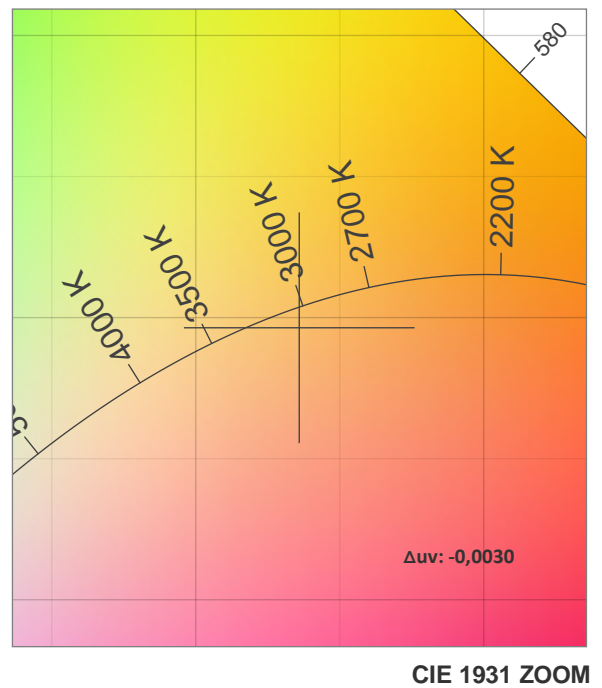
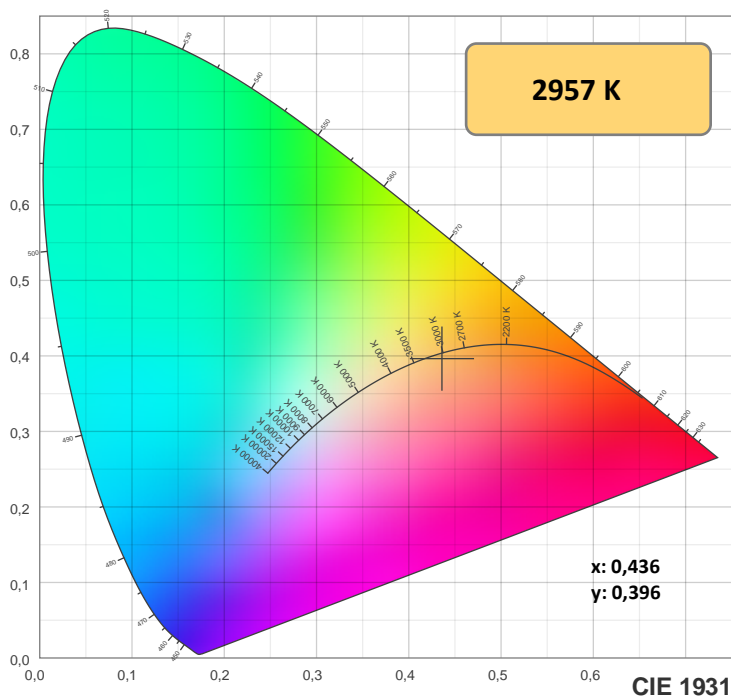
Fidelity index Rf

Rg 102,3

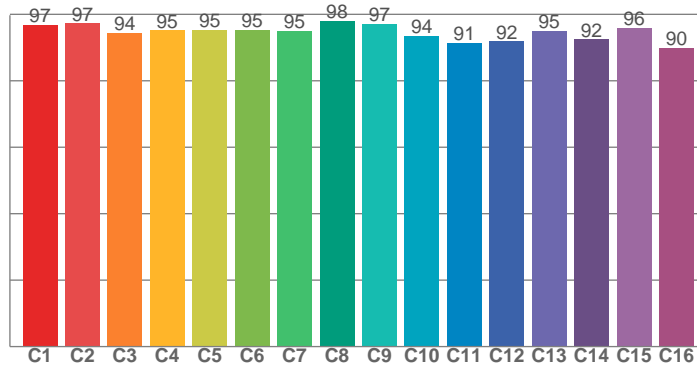
Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 97 | -1% | 0% |
| 2 | 97 | -1% | 1% |
| 3 | 94 | 0% | 3% |
| 4 | 95 | -1% | 1% |
| 5 | 95 | 1% | 2% |
| 6 | 95 | 3% | 0% |
| 7 | 95 | 0% | 0% |
| 8 | 98 | 1% | -1% |
| 9 | 97 | 0% | 1% |
| 10 | 94 | 0% | 4% |
| 11 | 91 | 2% | 6% |
| 12 | 92 | 4% | 2% |
| 13 | 95 | 3% | -2% |
| 14 | 92 | 5% | -4% |
| 15 | 96 | 0% | -1% |
| 16 | 90 | 2% | -8% |

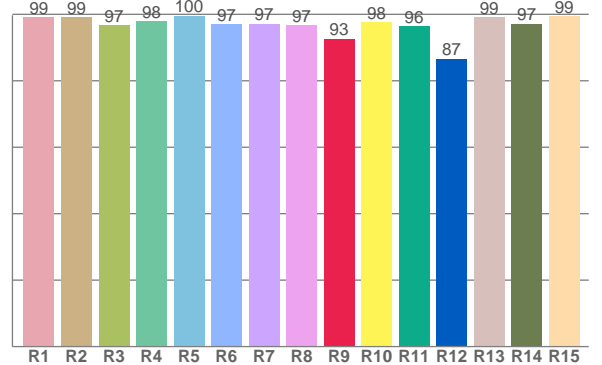




TM-30: 94,7



CRI: 97,9 (R1-R8)



CRiRa R1-R8 / CRiRe R1-R15

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,2 | 99,1 | 96,7 | 97,9 | 99,5 | 97,0 | 97,2 | 96,7 | 92,6 | 97,6 | 96,5 | 86,7 | 99,2 | 97,2 | 99,5 |

TM30 valores C. 16 valores extraídos dos 99.

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,8 | 97,3 | 94,4 | 95,2 | 95,3 | 95,3 | 95,0 | 97,9 | 97,2 | 93,6 | 91,4 | 91,9 | 95,0 | 92,5 | 96,0 | 90,0 |

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 |
| 2957 K | 97,9 | 92,6 | 94,7 | 102,3 | 94,2 | 0,436 | 0,396 | 0,253 | 0,345 | -0,0030 |

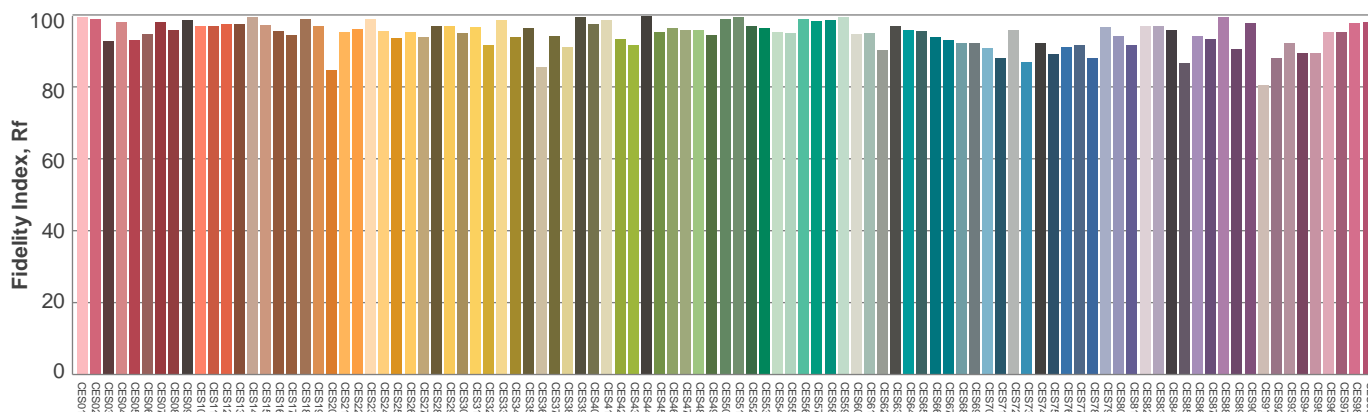
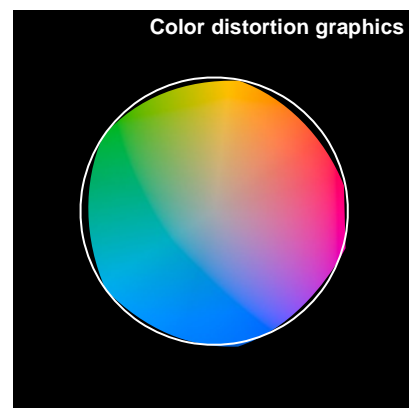
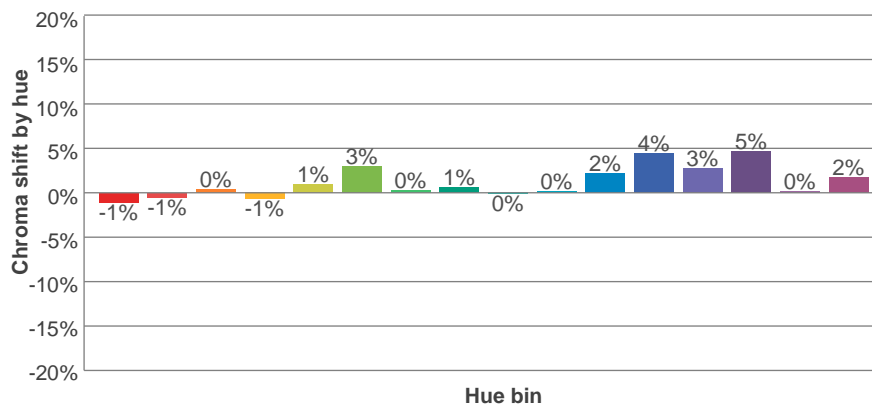
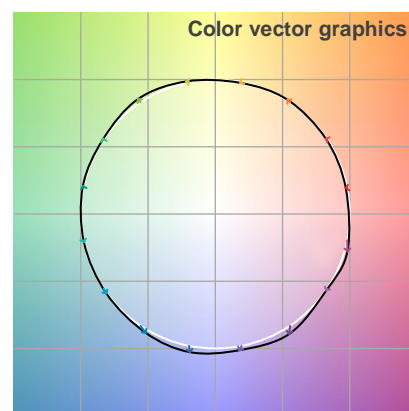
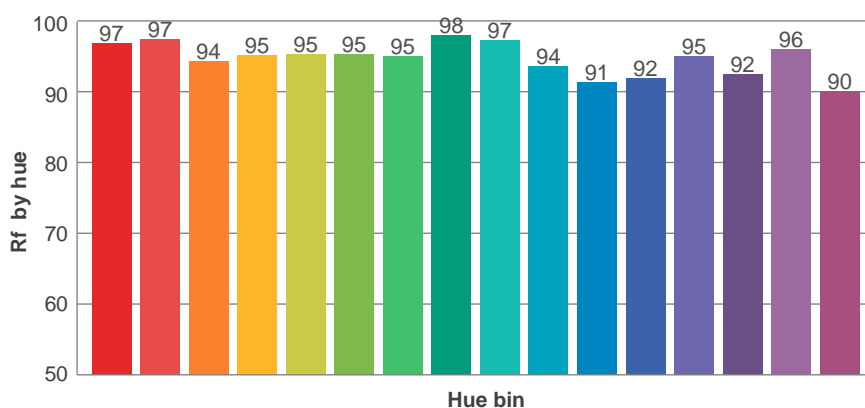
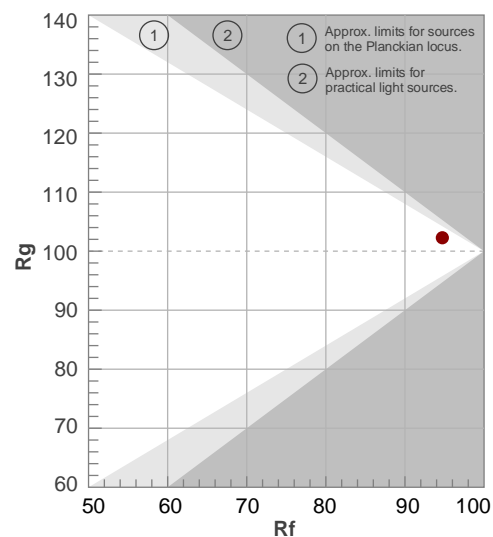
Rf 94,7

Fidelity index Rf

Rg 102,3

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 97 | -1% | 0% |
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| 4 | 95 | -1% | 1% |
| 5 | 95 | 1% | 2% |
| 6 | 95 | 3% | 0% |
| 7 | 95 | 0% | 0% |
| 8 | 98 | 1% | -1% |
| 9 | 97 | 0% | 1% |
| 10 | 94 | 0% | 4% |
| 11 | 91 | 2% | 6% |
| 12 | 92 | 4% | 2% |
| 13 | 95 | 3% | -2% |
| 14 | 92 | 5% | -4% |
| 15 | 96 | 0% | -1% |
| 16 | 90 | 2% | -8% |



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

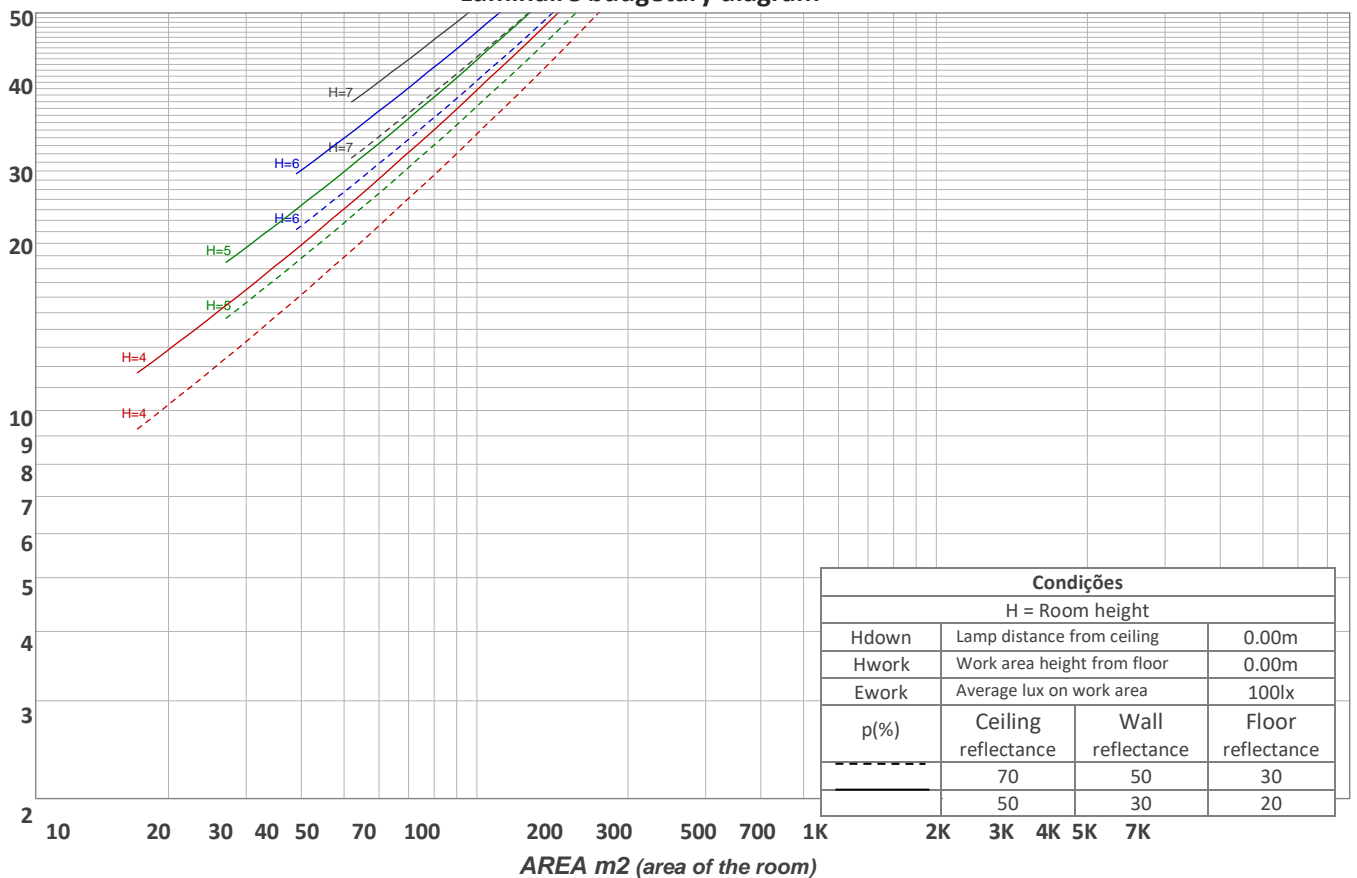
| | | | | | | | | | | | |
|-----------------------------------------------------------------|-----|------------------------------------------------|------|------|------|------|-----------------------------------------|------|------|------|------|
| p Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 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 | 17,3 | 18,4 | 17,5 | 18,7 | 19,0 | 15,9 | 17,0 | 16,2 | 17,4 | 17,6 |
| | 3H | 18,6 | 19,8 | 19,0 | 20,1 | 20,3 | 16,6 | 17,8 | 17,1 | 18,1 | 18,4 |
| | 4H | 19,2 | 20,3 | 19,6 | 20,6 | 20,9 | 16,8 | 17,9 | 17,3 | 18,2 | 18,5 |
| | 6H | 19,6 | 20,5 | 19,9 | 20,9 | 21,3 | 16,9 | 17,9 | 17,3 | 18,2 | 18,6 |
| | 8H | 19,7 | 20,6 | 20,0 | 20,9 | 21,4 | 16,9 | 17,9 | 17,3 | 18,2 | 18,7 |
| | 12H | 19,7 | 20,6 | 20,1 | 21,0 | 21,4 | 16,9 | 17,8 | 17,3 | 18,2 | 18,7 |
| 4H | 2H | 17,6 | 18,7 | 18,0 | 19,0 | 19,3 | 16,5 | 17,6 | 16,9 | 17,9 | 18,2 |
| | 3H | 19,2 | 20,1 | 19,6 | 20,5 | 21,0 | 17,5 | 18,4 | 17,9 | 18,8 | 19,3 |
| | 4H | 19,8 | 20,7 | 20,3 | 21,1 | 21,6 | 17,7 | 18,5 | 18,1 | 18,9 | 19,5 |
| | 6H | 20,2 | 21,0 | 20,8 | 21,4 | 21,8 | 17,8 | 18,6 | 18,3 | 18,9 | 19,3 |
| | 8H | 20,4 | 21,1 | 20,9 | 21,5 | 21,9 | 17,8 | 18,5 | 18,3 | 18,9 | 19,3 |
| | 12H | 20,4 | 21,0 | 20,9 | 21,5 | 22,0 | 17,8 | 18,4 | 18,3 | 18,8 | 19,3 |
| 8H | 4H | 19,8 | 20,6 | 20,4 | 21,0 | 21,4 | 17,9 | 18,6 | 18,4 | 19,0 | 19,4 |
| | 6H | 20,4 | 20,9 | 20,9 | 21,4 | 22,0 | 18,0 | 18,6 | 18,6 | 19,1 | 19,6 |
| | 8H | 20,6 | 21,0 | 21,1 | 21,6 | 22,2 | 18,1 | 18,6 | 18,6 | 19,1 | 19,8 |
| | 12H | 20,7 | 21,1 | 21,3 | 21,6 | 22,2 | 18,1 | 18,5 | 18,7 | 19,1 | 19,7 |
| 12H | 4H | 19,8 | 20,4 | 20,3 | 20,9 | 21,4 | 17,9 | 18,5 | 18,4 | 18,9 | 19,4 |
| | 6H | 20,4 | 20,8 | 20,9 | 21,4 | 22,1 | 18,1 | 18,5 | 18,6 | 19,1 | 19,8 |
| | 8H | 20,5 | 20,9 | 21,2 | 21,5 | 22,1 | 18,1 | 18,5 | 18,7 | 19,1 | 19,7 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 0,1 / -0,1 | | | | | 0,2 / -0,3 | | | | |
| S = 1.5H | | 0,2 / -0,3 | | | | | 0,4 / -0,8 | | | | |
| S = 2.0H | | 0,6 / -0,8 | | | | | 1,0 / -1,5 | | | | |
| Standard table | | n/a | | | | | n/a | | | | |
| Correction summand | | n/a | | | | | n/a | | | | |
| Corrected glare indices referring to 449 lm total luminous flux | | | | | | | | | | | |

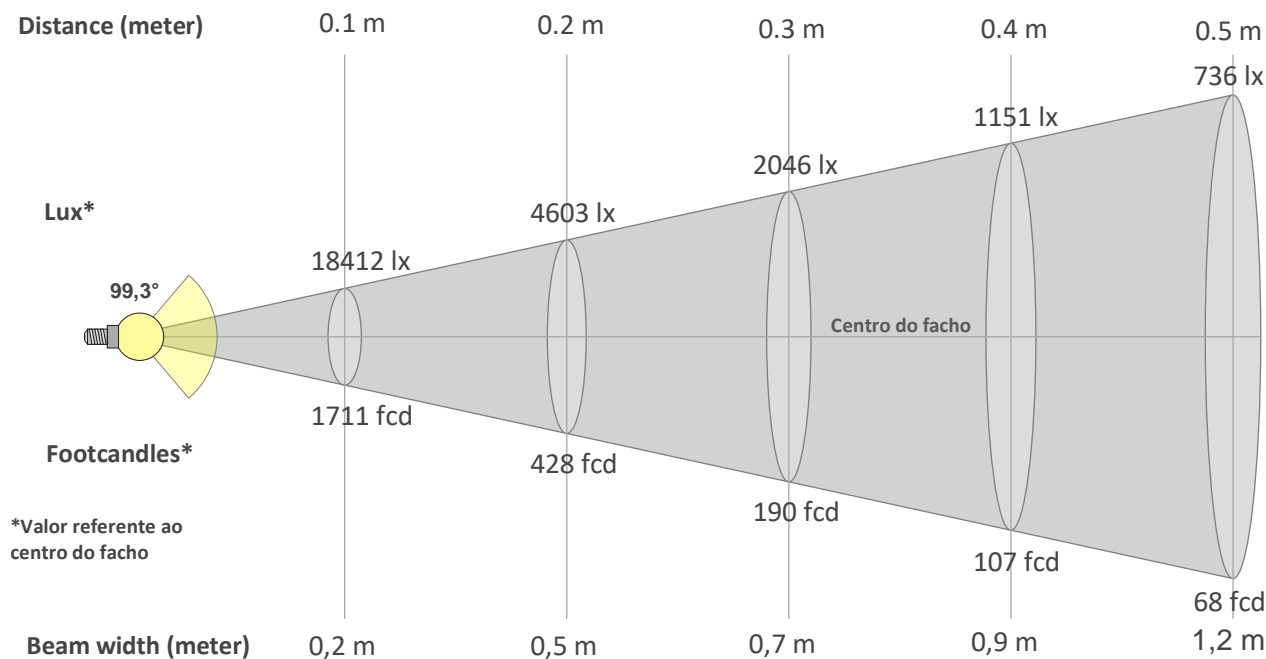
Coeficiente de utilização

| 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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 109 | 105 | 101 | 98 | 106 | 103 | 99 | 96 | 98 | 95 | 92 | 94 | 92 | 89 | 90 | 88 | 86 | 84 |
| 2 | 100 | 92 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 82 | 78 | 83 | 79 | 76 | 80 | 77 | 74 | 71 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 71 | 67 | 63 | 61 |
| 4 | 84 | 73 | 65 | 58 | 82 | 71 | 64 | 58 | 69 | 62 | 57 | 66 | 61 | 56 | 64 | 59 | 55 | 53 |
| 5 | 78 | 65 | 57 | 51 | 76 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 52 | 48 | 46 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 44 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 41 | 35 | 31 | 29 |
| 10 | 55 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 38 | 32 | 28 | 27 |

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 |
| 184lx | 46lx | 20lx | 12lx | 7lx | 5lx | 4lx | 3lx | 2lx | 2lx | 2lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx | 0lx |
| 17,1fcd | 4,3fcd | 1,9fcd | 1,1fcd | 0,7fcd | 0,5fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 184 | 183 | 180 | 174 | 167 | 159 | 149 | 138 | 126 | 114 | 101 | 87 | 73 | 59 | 44 | 29 | 16 | 6 | 1 | 1 |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 75% | 69% | 62% | 55% | 47% | 40% | 32% | 24% | 16% | 9% | 3% | 1% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 184 | 183 | 179 | 173 | 165 | 154 | 140 | 127 | 112 | 96 | 81 | 66 | 51 | 36 | 23 | 11 | 6 | 3 | 1 | 1 |
| 100% | 99% | 97% | 94% | 90% | 84% | 76% | 69% | 61% | 52% | 44% | 36% | 28% | 20% | 13% | 6% | 3% | 1% | 1% | 1% |

Intensities in 180° c-plane

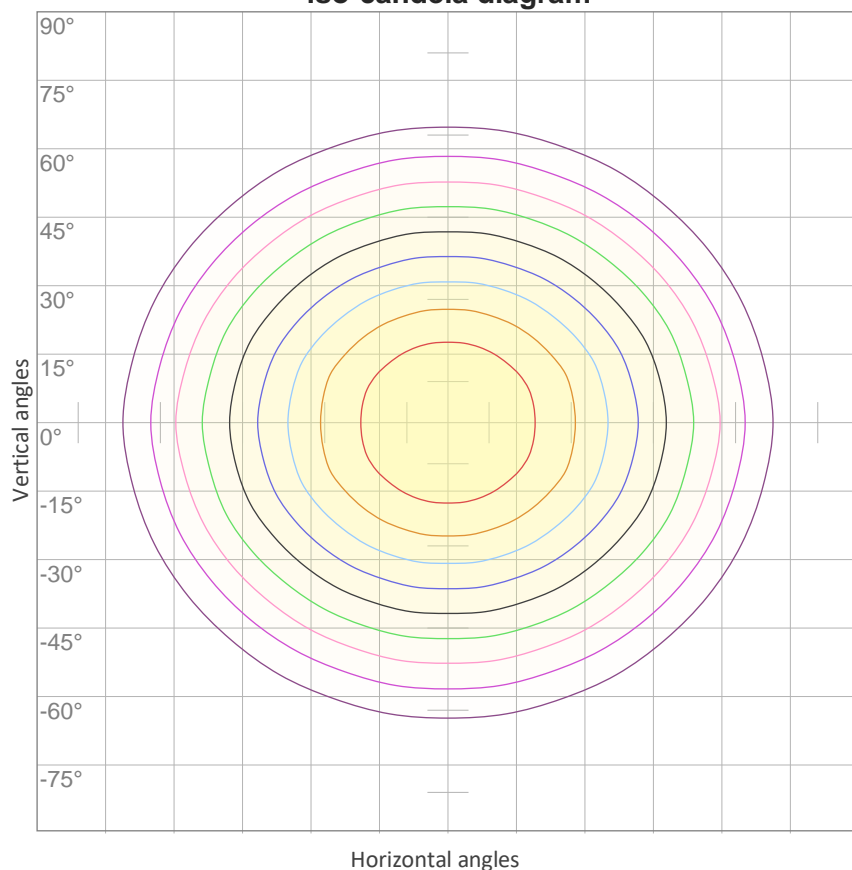
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 184 | 183 | 180 | 174 | 167 | 159 | 149 | 138 | 126 | 114 | 101 | 87 | 73 | 59 | 44 | 29 | 16 | 6 | 1 | 1 |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 75% | 69% | 62% | 55% | 47% | 40% | 32% | 24% | 16% | 9% | 3% | 1% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 184 | 183 | 179 | 173 | 165 | 154 | 140 | 127 | 112 | 96 | 81 | 66 | 51 | 36 | 23 | 11 | 6 | 3 | 1 | 1 |
| 100% | 99% | 97% | 94% | 90% | 84% | 76% | 69% | 61% | 52% | 44% | 36% | 28% | 20% | 13% | 6% | 3% | 1% | 1% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 99,3° | 150,1° | 166,1° | 82,5% | 58,6% |

iso-candela diagram



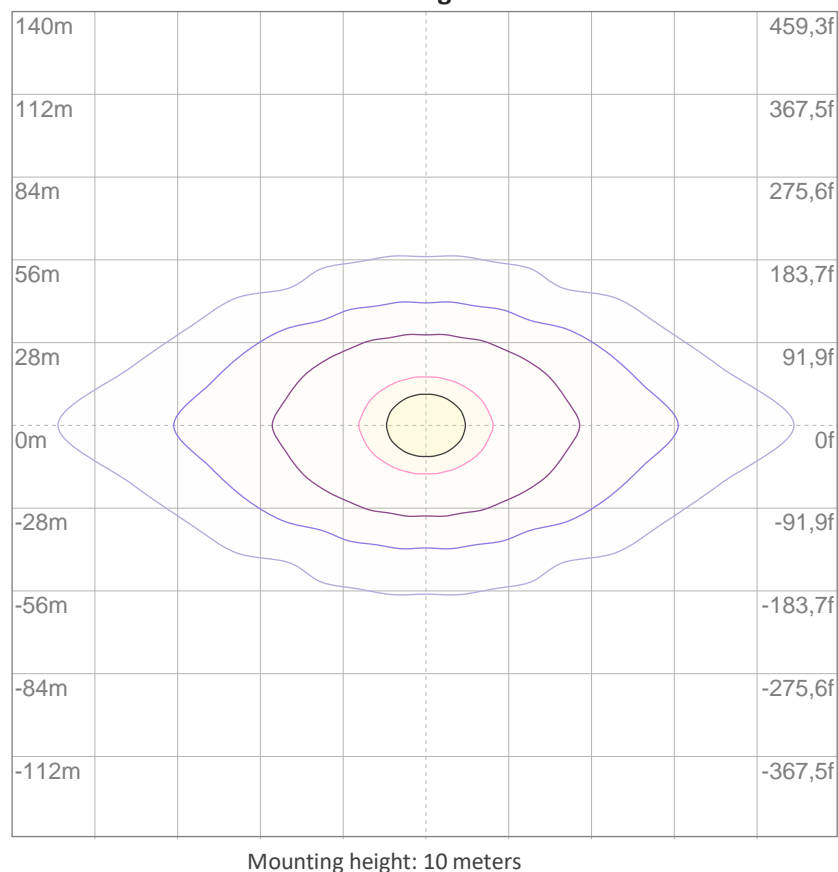
| | |
|-----|--------|
| 10% | 18 cd |
| 20% | 37 cd |
| 30% | 55 cd |
| 40% | 74 cd |
| 50% | 92 cd |
| 60% | 110 cd |
| 70% | 129 cd |
| 80% | 147 cd |
| 90% | 166 cd |

Conditions:

Number of c-planes: 16

Candela at center: 184 cd

iso-lux diagram



| | |
|-----|----------|
| 3% | 55,2m lx |
| 5% | 92,1m lx |
| 10% | 0,184 lx |
| 30% | 0,552 lx |
| 50% | 0,921 lx |

Conditions:

Number of c-planes: 16

Lux at center: 1,84 lx

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

Potência

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

Vttagem: 12,0 V

Corrente: 0,892 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a