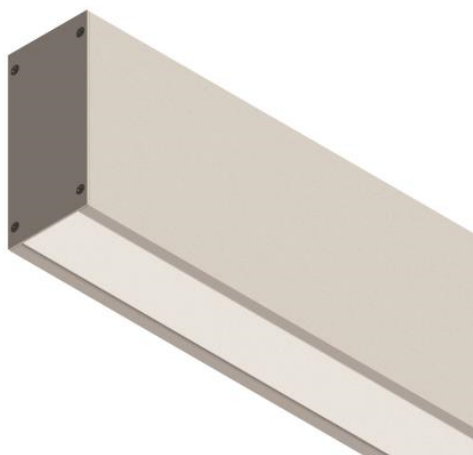


## W96 SLED9006 BRANCA FITA 20WM 5700K 95 - 1m



Luminária linear de sobrepor na parede 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 – 996 lm/m

Potência – 19,7 W/m

Intensidade pico – 362cd

CCT – 5551K



IRC – 96,5

Coordenada CIE 1931 – x- 0,331 y- 0,344

A x L - 96x46

Peso - 1,43kg/m

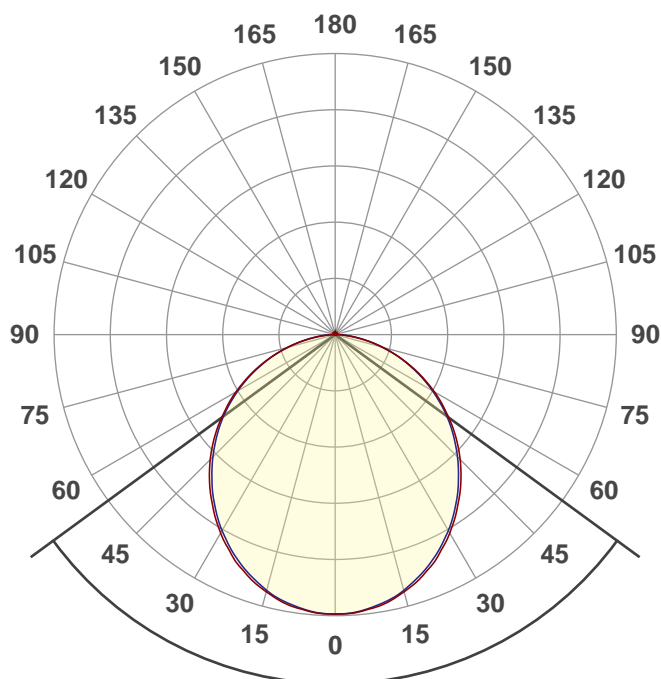
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

25/05/2022 10:51:13



Facho de abertura

**107,7°**

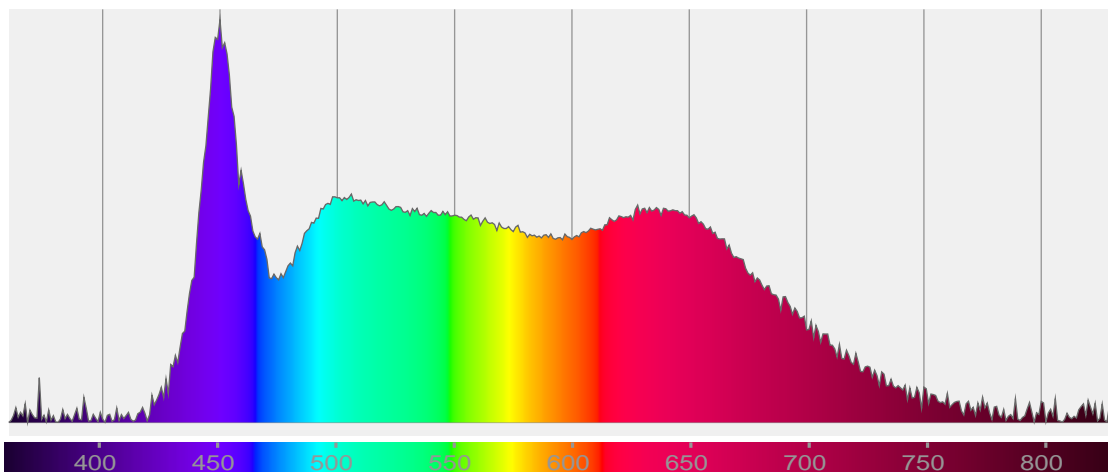
**Rf 94,6**

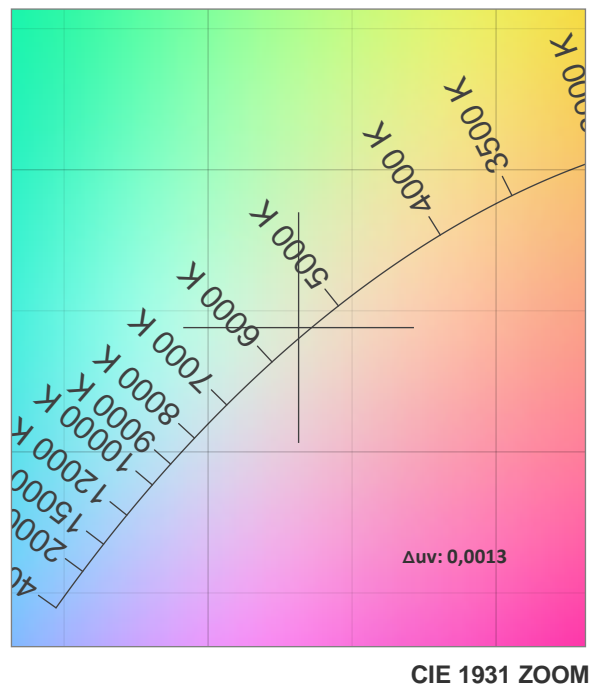
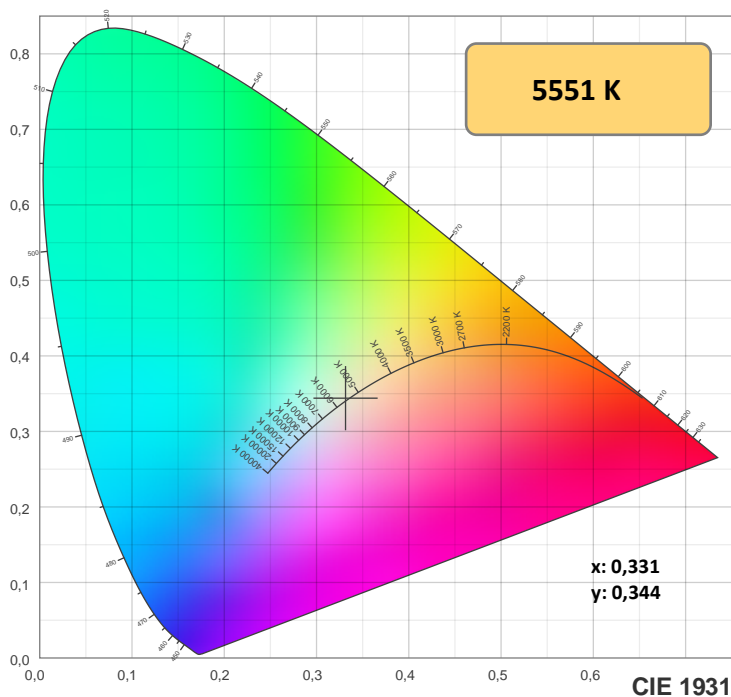
Fidelity index Rf

**Rg 101,9**

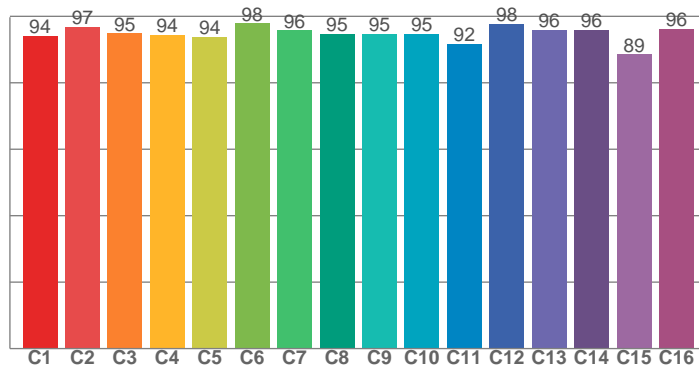
Gamut index Rg

|         |                | Shifts (%) |     |
|---------|----------------|------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma     | Hue |
| 1       | 94             | 2%         | 0%  |
| 2       | 97             | 2%         | -1% |
| 3       | 95             | 1%         | -2% |
| 4       | 94             | -2%        | -3% |
| 5       | 94             | -4%        | -1% |
| 6       | 98             | -1%        | 1%  |
| 7       | 96             | -1%        | 2%  |
| 8       | 95             | 0%         | 3%  |
| 9       | 95             | 1%         | 5%  |
| 10      | 95             | 1%         | 3%  |
| 11      | 92             | 3%         | 4%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 96             | 2%         | 0%  |
| 14      | 96             | 1%         | 0%  |
| 15      | 89             | 9%         | -4% |
| 16      | 96             | 2%         | 1%  |

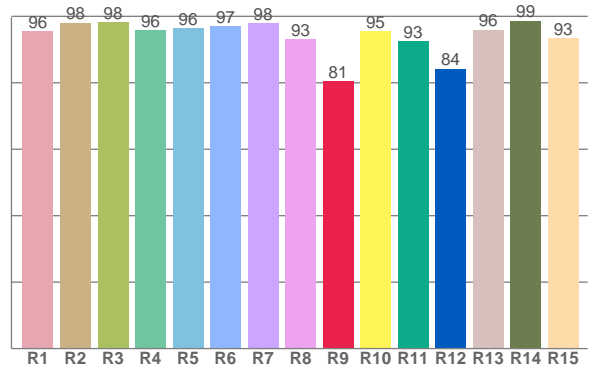




TM-30: 94,6



CRI: 96,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,5 | 98,1 | 98,2 | 95,7 | 96,5 | 97,1 | 98,0 | 93,1 | 80,5 | 95,5 | 92,5 | 84,3 | 96,0 | 98,7 | 93,4 |

TM30 valores C. 16 valores extraídos dos 99.

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,1 | 96,9 | 94,9 | 94,4 | 93,9 | 97,9 | 95,8 | 94,8 | 94,7 | 94,7 | 91,6 | 97,7 | 96,0 | 95,8 | 88,5 | 96,2 |

## 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                 | Δuv                             |
| 5551 K             | 96,5                        | 80,5                          | 94,6           | 101,9       | 97,4                | 0,331                      | 0,344                      | 0,205             | 0,319             | 0,0013                          |

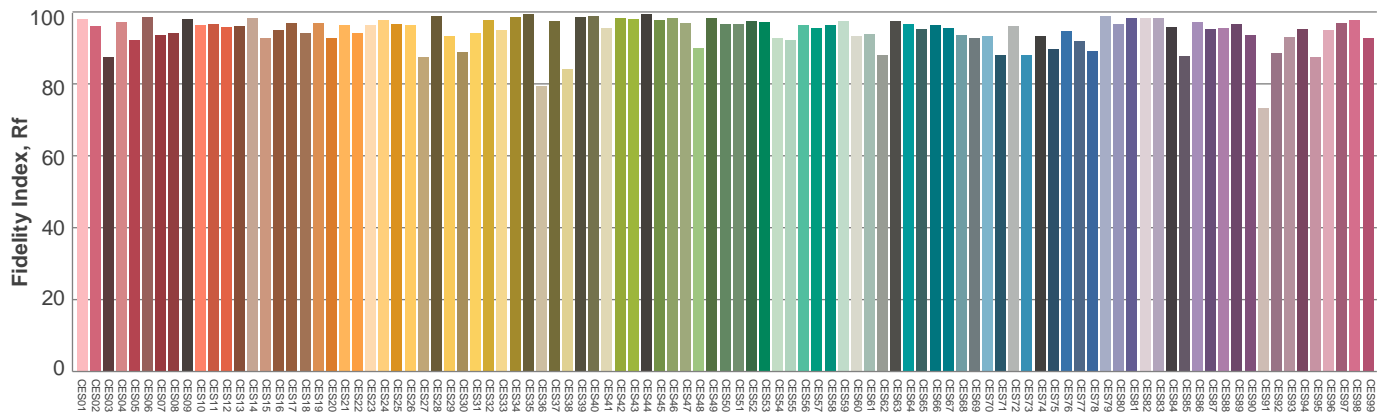
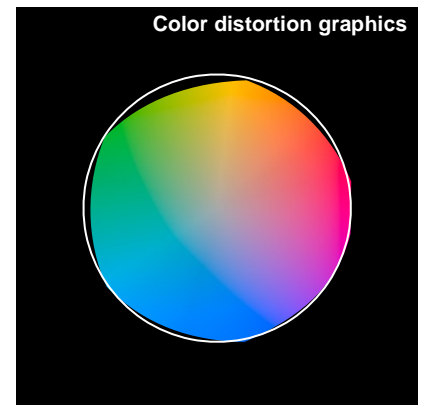
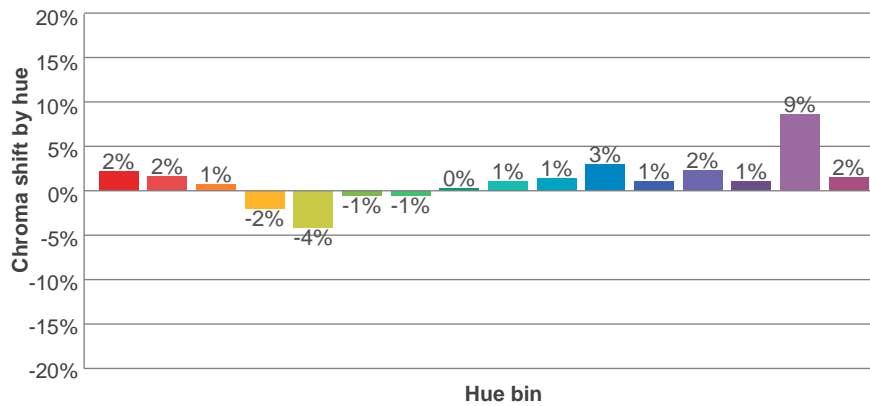
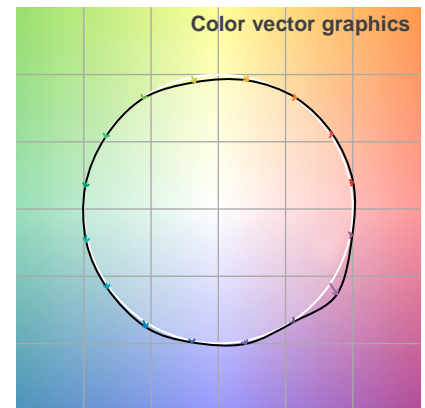
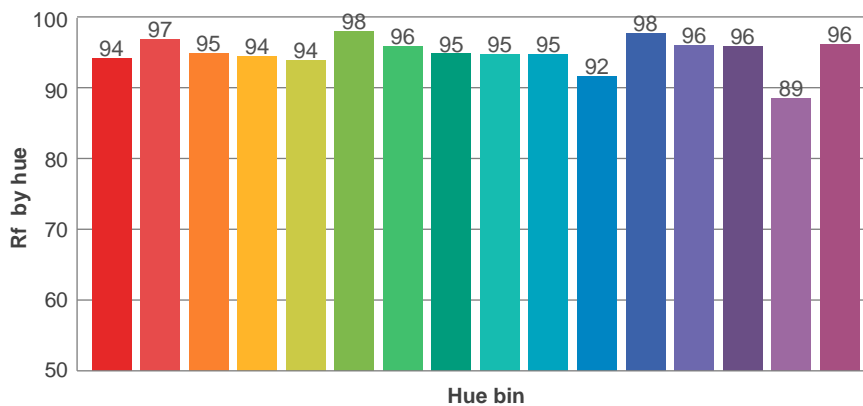
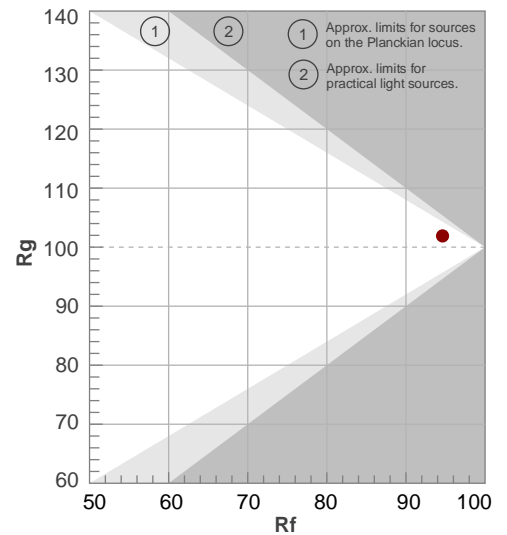
**Rf 94,6**

Fidelity index Rf

**Rg 101,9**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 94             | 2%         | 0%  |
| 2       | 97             | 2%         | -1% |
| 3       | 95             | 1%         | -2% |
| 4       | 94             | -2%        | -3% |
| 5       | 94             | -4%        | -1% |
| 6       | 98             | -1%        | 1%  |
| 7       | 96             | -1%        | 2%  |
| 8       | 95             | 0%         | 3%  |
| 9       | 95             | 1%         | 5%  |
| 10      | 95             | 1%         | 3%  |
| 11      | 92             | 3%         | 4%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 96             | 2%         | 0%  |
| 14      | 96             | 1%         | 0%  |
| 15      | 89             | 9%         | -4% |
| 16      | 96             | 2%         | 1%  |



Glare Evaluation According to UGR

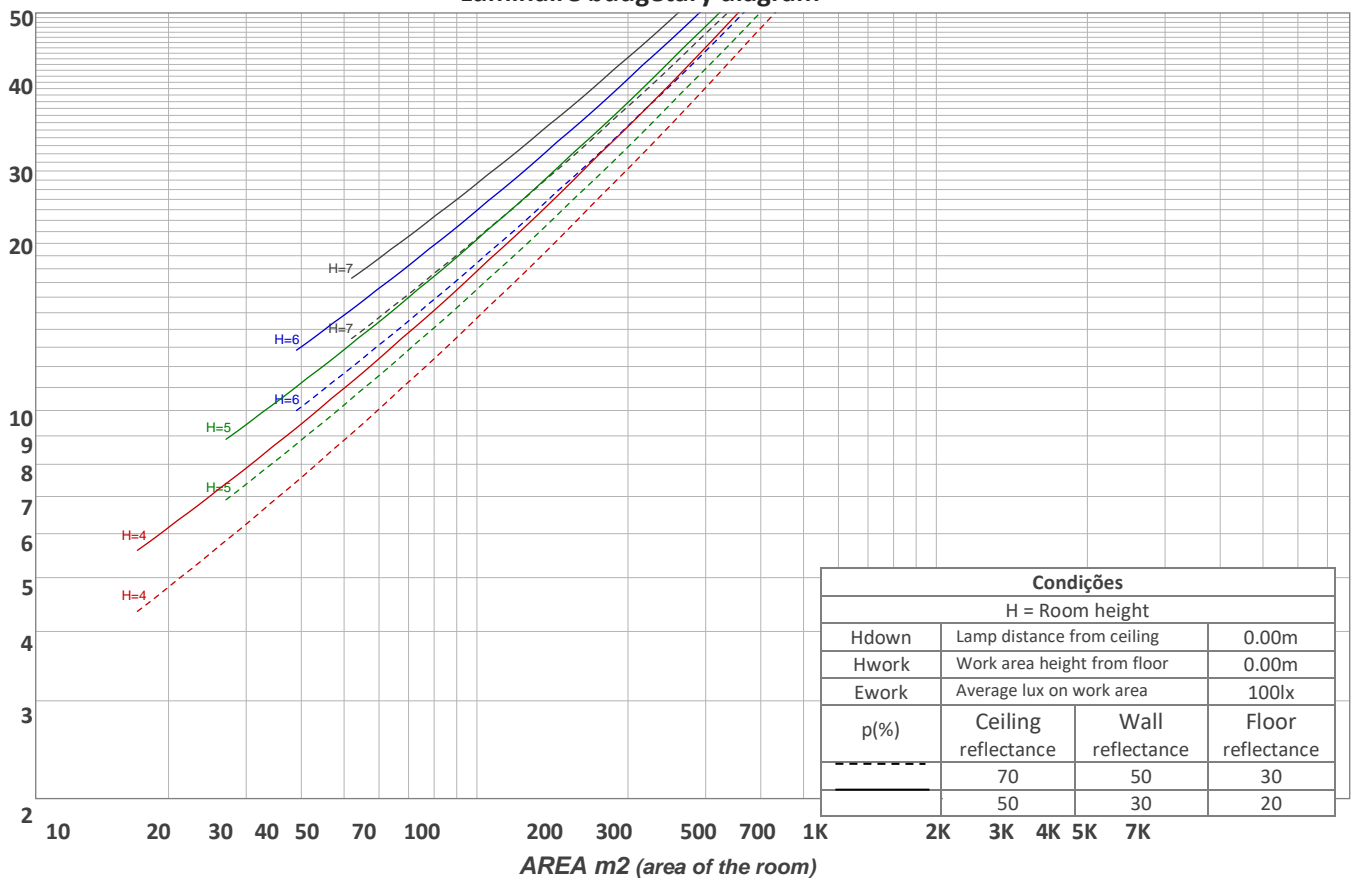
|   |     |  |      |      |      |      |   |      |      |      |      |
|---|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling   |     | 70   | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls   |     | 50   | 30   | 50   | 30   | 30   | 50                                      | 30   | 50   | 30   | 30   |
| p Floor   |     | 20   | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   |
| Room size<br>X    Y   |     | Viewing direction at right angles to lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H  | 2H  | 20,4   | 21,6 | 20,6 | 21,9 | 22,2 | 20,3                                    | 21,5 | 20,6 | 21,8 | 22,1 |
|   | 3H  | 21,8   | 23,1 | 22,2 | 23,4 | 23,6 | 21,7                                    | 23,0 | 22,2 | 23,3 | 23,5 |
|   | 4H  | 22,4   | 23,6 | 22,8 | 23,9 | 24,2 | 22,4                                    | 23,6 | 22,8 | 23,9 | 24,1 |
|   | 6H  | 22,9   | 24,0 | 23,2 | 24,3 | 24,7 | 22,9                                    | 24,0 | 23,2 | 24,3 | 24,6 |
|   | 8H  | 23,0   | 24,0 | 23,4 | 24,4 | 24,8 | 23,1                                    | 24,1 | 23,4 | 24,4 | 24,8 |
|   | 12H | 23,1   | 24,1 | 23,5 | 24,4 | 24,9 | 23,1                                    | 24,1 | 23,5 | 24,5 | 25,0 |
| 4H  | 2H  | 21,0   | 22,2 | 21,4 | 22,5 | 22,7 | 20,9                                    | 22,1 | 21,3 | 22,4 | 22,7 |
|   | 3H  | 22,7   | 23,7 | 23,1 | 24,1 | 24,5 | 22,7                                    | 23,7 | 23,1 | 24,0 | 24,5 |
|   | 4H  | 23,4   | 24,3 | 23,8 | 24,7 | 25,3 | 23,4                                    | 24,3 | 23,8 | 24,7 | 25,3 |
|   | 6H  | 23,9   | 24,8 | 24,4 | 25,2 | 25,5 | 23,9                                    | 24,8 | 24,5 | 25,2 | 25,6 |
|   | 8H  | 24,1   | 24,9 | 24,6 | 25,3 | 25,7 | 24,2                                    | 24,9 | 24,7 | 25,3 | 25,7 |
|   | 12H | 24,2   | 24,8 | 24,7 | 25,3 | 25,8 | 24,3                                    | 25,0 | 24,8 | 25,4 | 25,9 |
| 8H  | 4H  | 23,7   | 24,5 | 24,2 | 24,8 | 25,3 | 23,7                                    | 24,4 | 24,2 | 24,8 | 25,2 |
|   | 6H  | 24,4   | 25,0 | 24,9 | 25,4 | 26,0 | 24,4                                    | 25,0 | 24,9 | 25,5 | 26,1 |
|   | 8H  | 24,6   | 25,1 | 25,1 | 25,7 | 26,3 | 24,7                                    | 25,3 | 25,3 | 25,8 | 26,5 |
|   | 12H | 24,8   | 25,2 | 25,4 | 25,7 | 26,4 | 25,0                                    | 25,4 | 25,6 | 26,0 | 26,6 |
| 12H   | 4H  | 23,7   | 24,3 | 24,2 | 24,8 | 25,3 | 23,7                                    | 24,3 | 24,2 | 24,8 | 25,3 |
|   | 6H  | 24,5   | 25,0 | 25,0 | 25,5 | 26,2 | 24,5                                    | 25,0 | 25,0 | 25,6 | 26,2 |
|   | 8H  | 24,7   | 25,2 | 25,3 | 25,7 | 26,3 | 24,9                                    | 25,3 | 25,5 | 25,8 | 26,4 |
| Variation of the observer position for the luminaire distance S |     |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 0,1 / -0,1                                     |      |      |      |      | 0,1 / -0,1                              |      |      |      |      |
| S = 1.5H  |     | 0,1 / -0,2                                     |      |      |      |      | 0,1 / -0,2                              |      |      |      |      |
| S = 2.0H  |     | 0,4 / -0,5                                     |      |      |      |      | 0,4 / -0,5                              |      |      |      |      |
| Standard table  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand   |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 996 lm total luminous flux |     |  |      |      |      |      |   |      |      |      |      |

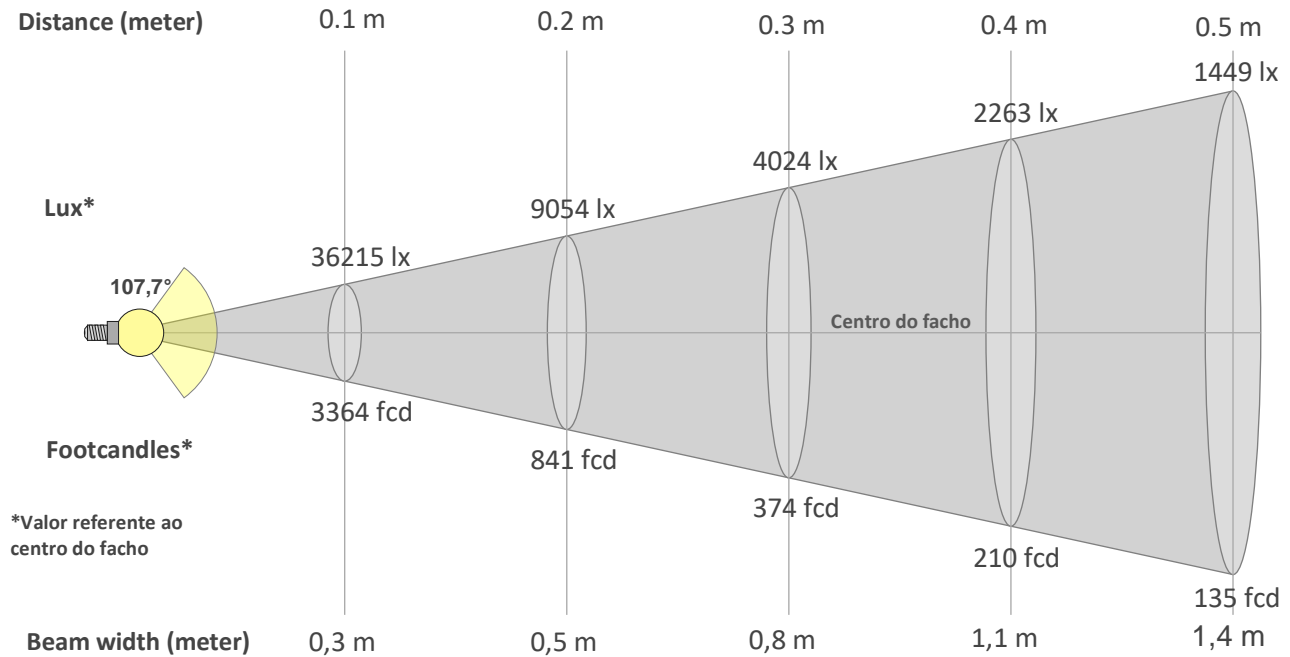
**Coeficiente de utilização**

| 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                   | 108  | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83 |
| 2                   | 99   | 90  | 84  | 78  | 96  | 88  | 82  | 77  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 74  | 71  | 69 |
| 3                   | 90   | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 64  | 60  | 58 |
| 4                   | 82   | 70  | 62  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 56  | 52  | 50 |
| 5                   | 76   | 63  | 54  | 47  | 74  | 62  | 53  | 47  | 59  | 52  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43 |
| 6                   | 70   | 57  | 48  | 41  | 68  | 56  | 47  | 41  | 54  | 46  | 41  | 52  | 45  | 40  | 50  | 44  | 40  | 38 |
| 7                   | 65   | 51  | 43  | 37  | 63  | 51  | 42  | 36  | 49  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 35  | 33 |
| 8                   | 60   | 47  | 38  | 33  | 59  | 46  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30 |
| 9                   | 57   | 43  | 35  | 29  | 55  | 42  | 35  | 29  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 27 |
| 10                  | 53   | 40  | 32  | 27  | 52  | 39  | 32  | 27  | 38  | 31  | 26  | 37  | 31  | 26  | 36  | 30  | 26  | 24 |

**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 |
| 362lx   | 91lx   | 40lx   | 23lx   | 14lx   | 10lx   | 7lx    | 6lx    | 4lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    |
| 33,6fcd | 8,4fcd | 3,7fcd | 2,1fcd | 1,3fcd | 0,9fcd | 0,7fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd |

### 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 362  | 361  | 355 | 345 | 332 | 316 | 297 | 275 | 253 | 229 | 203 | 176 | 148 | 120 | 92  | 63  | 37  | 15  | 3   | 1   |
| 100% | 100% | 98% | 95% | 92% | 87% | 82% | 76% | 70% | 63% | 56% | 49% | 41% | 33% | 25% | 17% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 362  | 360 | 353 | 343 | 329 | 312 | 293 | 272 | 248 | 224 | 199 | 173 | 146 | 118 | 91  | 64  | 39  | 17  | 4   | 1   |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 75% | 69% | 62% | 55% | 48% | 40% | 33% | 25% | 18% | 11% | 5%  | 1%  | 0%  |

### Intensities in 180° c-plane

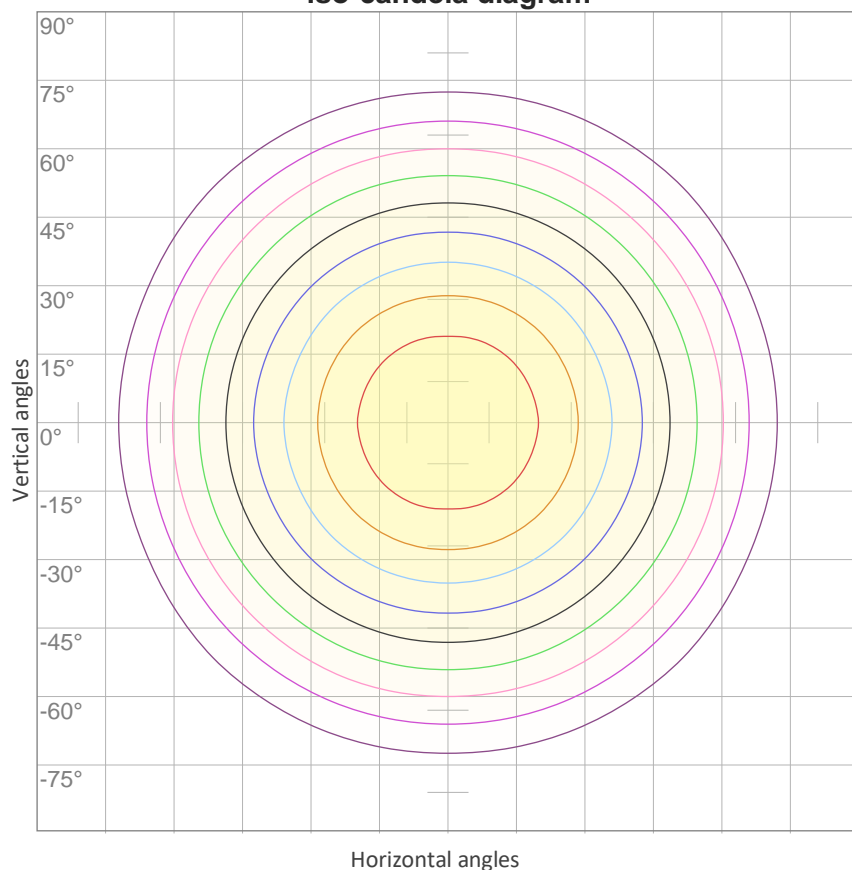
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 362  | 361  | 355 | 345 | 332 | 316 | 297 | 275 | 253 | 229 | 203 | 176 | 148 | 120 | 92  | 63  | 37  | 15  | 3   | 1   |
| 100% | 100% | 98% | 95% | 92% | 87% | 82% | 76% | 70% | 63% | 56% | 49% | 41% | 33% | 25% | 17% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 362  | 360 | 353 | 343 | 329 | 312 | 293 | 272 | 248 | 224 | 199 | 173 | 146 | 118 | 91  | 64  | 39  | 17  | 4   | 1   |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 75% | 69% | 62% | 55% | 48% | 40% | 33% | 25% | 18% | 11% | 5%  | 1%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 107,7°         | 161,1°          | 176,5°            | 78,2%                        | 53,8%                       |

**iso-candela diagram**



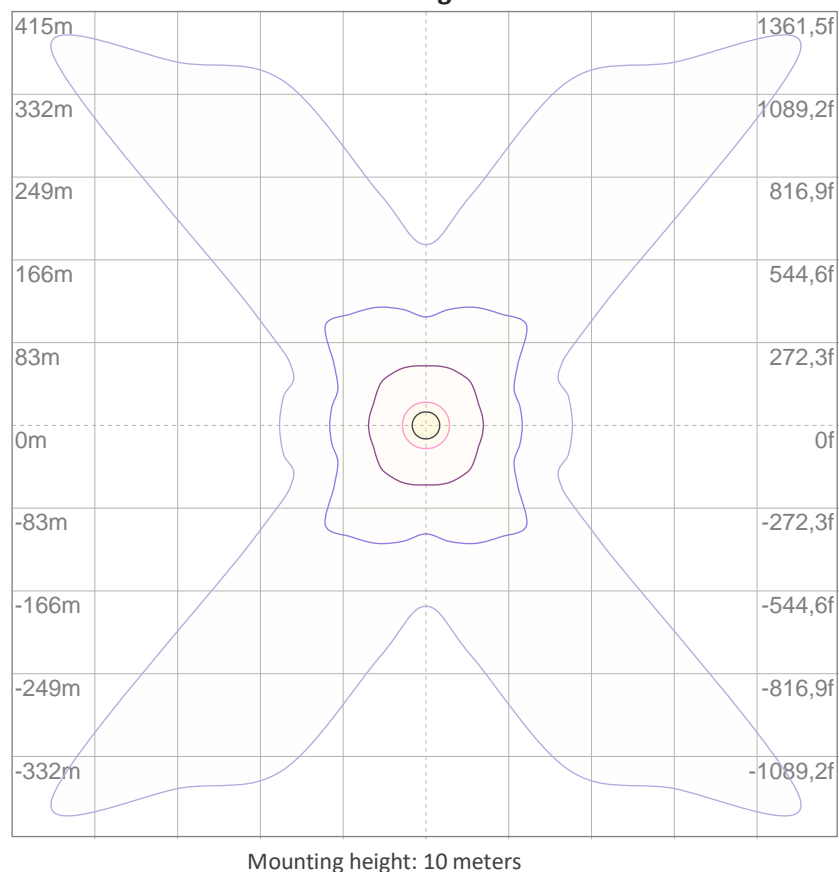
|     |        |
|-----|--------|
| 10% | 36 cd  |
| 20% | 72 cd  |
| 30% | 109 cd |
| 40% | 145 cd |
| 50% | 181 cd |
| 60% | 217 cd |
| 70% | 254 cd |
| 80% | 290 cd |
| 90% | 326 cd |

Conditions:

Number of c-planes: 16

Candela at center: 362 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 0,109 lx |
| 5%  | 0,181 lx |
| 10% | 0,362 lx |
| 30% | 1,09 lx  |
| 50% | 1,81 lx  |

Conditions:

Number of c-planes: 16

Lux at center: 3,62 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: 1,64 A**

**Frequência: 0 Hz**

**FP: 0,99**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**