

## P50 SLED9017 BRANCA FITA 11WM 3500K 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 – 492 lm/m

Potência – 10,7 W/m

Intensidade pico – 203cd

CCT – 3460K



IRC – 95,9

Coordenada CIE 1931 – x- 0,408 y- 0,393

A x L - 50x50

Peso - 1,1kg/m

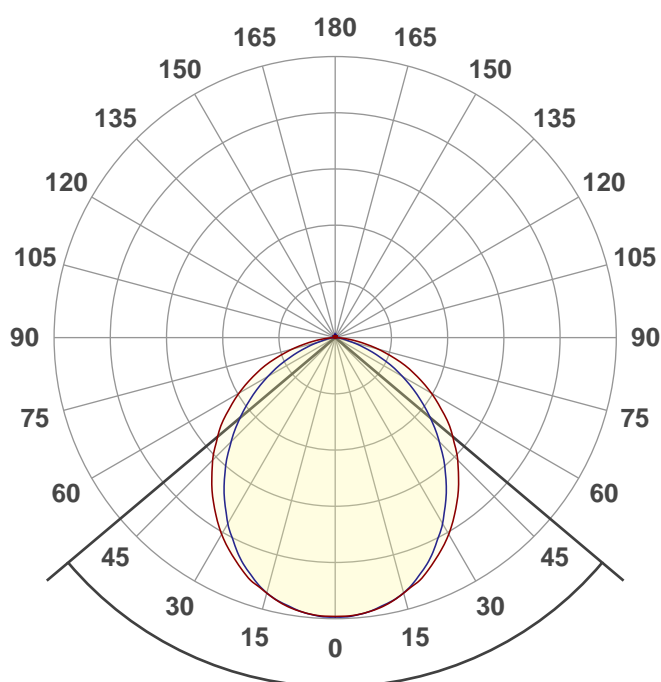
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

23/11/2022 10:32:05



Facho de abertura

**99,7°**

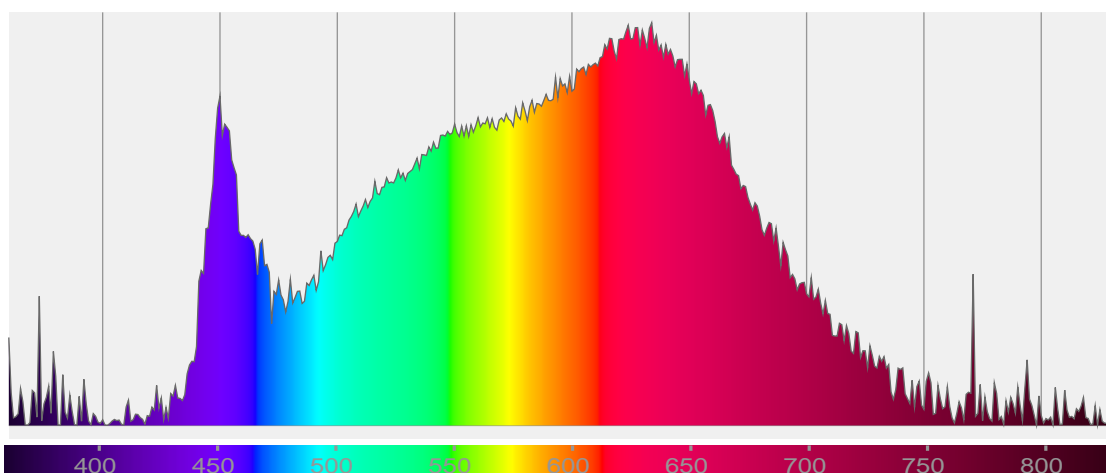
**Rf 92,8**

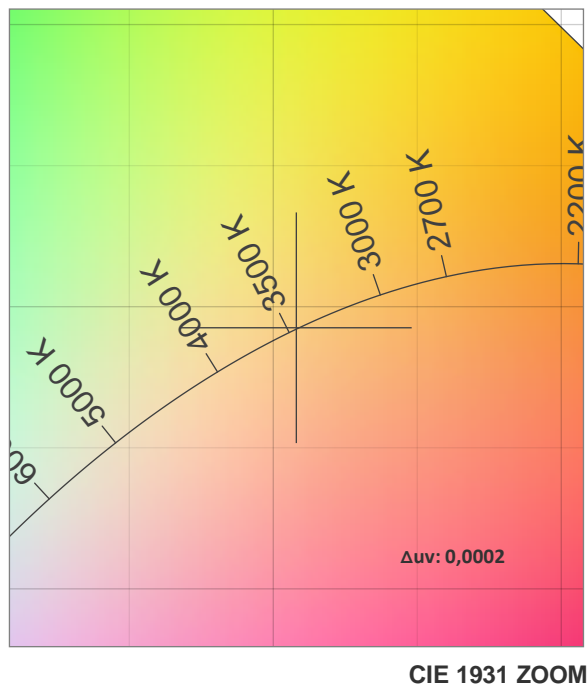
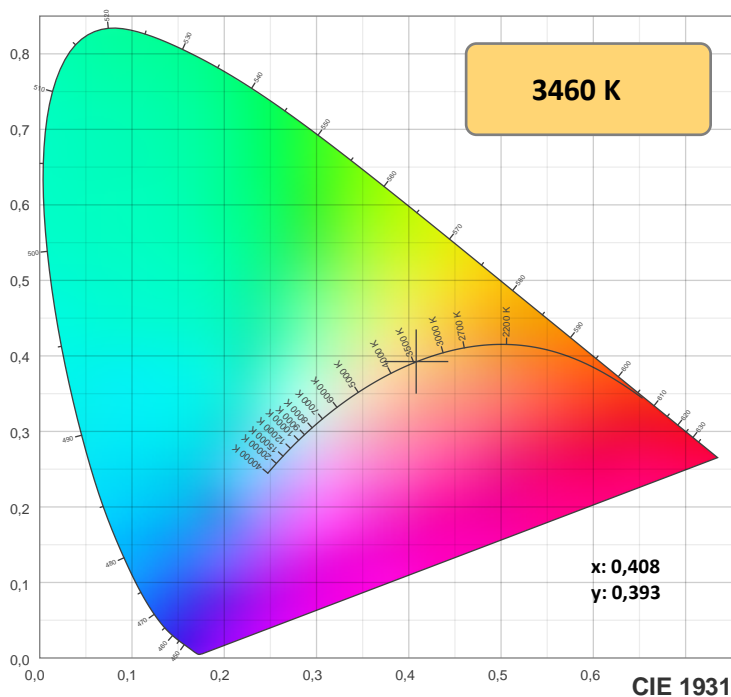
Fidelity index Rf

**Rg 99,7**

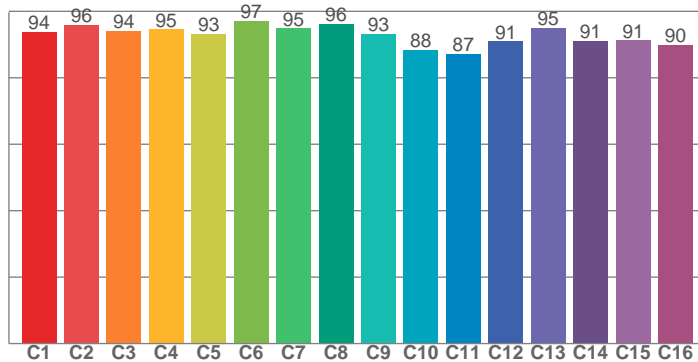
Gamut index Rg

|         |                | Shifts (%) |     |
|---------|----------------|------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma     | Hue |
| 1       | 94             | -3%        | 0%  |
| 2       | 96             | -2%        | 1%  |
| 3       | 94             | -1%        | 2%  |
| 4       | 95             | -2%        | 1%  |
| 5       | 93             | -3%        | 1%  |
| 6       | 97             | 1%         | 0%  |
| 7       | 95             | -2%        | 1%  |
| 8       | 96             | -2%        | 2%  |
| 9       | 93             | -2%        | 4%  |
| 10      | 88             | -1%        | 8%  |
| 11      | 87             | 3%         | 8%  |
| 12      | 91             | 4%         | 2%  |
| 13      | 95             | 2%         | -2% |
| 14      | 91             | 5%         | -5% |
| 15      | 91             | 1%         | -4% |
| 16      | 90             | 0%         | -6% |

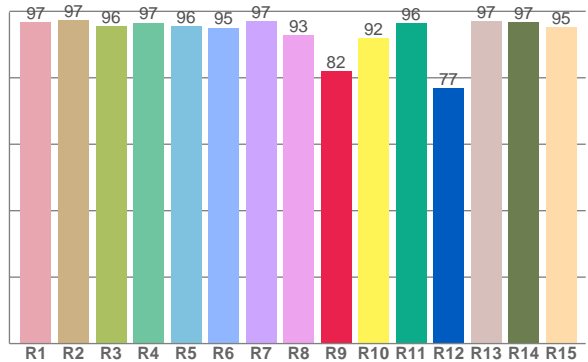




TM-30: 92,8



CRI: 95,9 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,8 | 97,4 | 95,6 | 96,6 | 95,5 | 95,1 | 97,1 | 92,9 | 82,0 | 91,9 | 96,4 | 76,8 | 97,1 | 96,8 | 95,2 |

TM30 valores C. 16 valores extraídos dos 99.

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,8 | 95,8 | 94,1 | 94,5 | 93,3 | 97,2 | 94,8 | 96,3 | 93,3 | 88,4 | 87,3 | 91,0 | 95,0 | 91,1 | 91,3 | 89,9 |

## 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                             |
| 3460 K             | 95,9                        | 82,0                          | 92,8           | 99,7        | 94,4                | 0,408                      | 0,393                      | 0,237             | 0,342             | 0,0002                          |

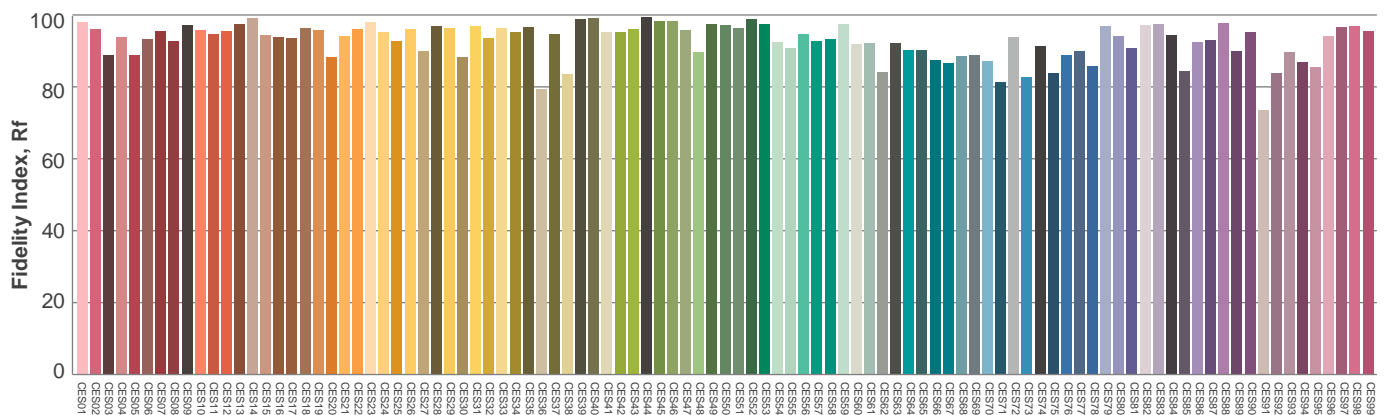
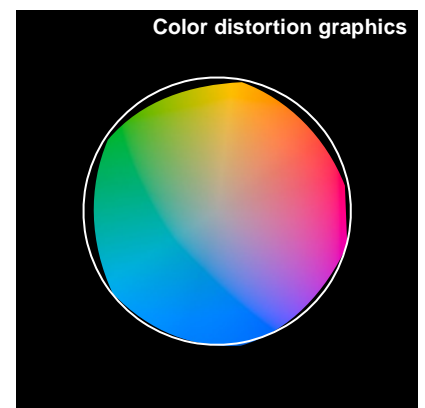
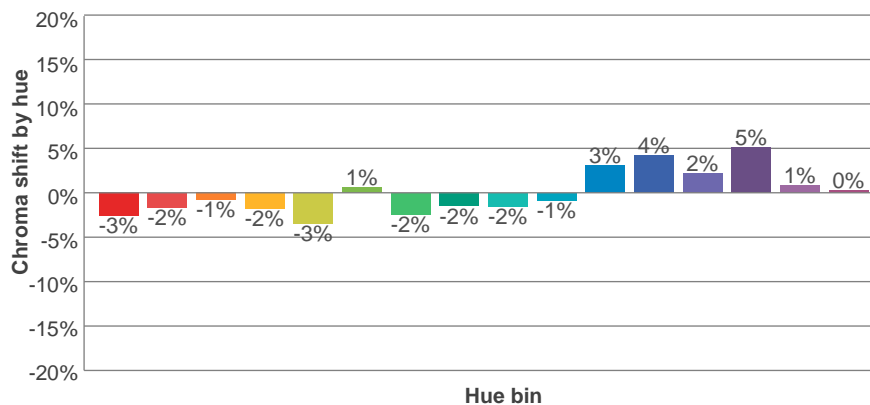
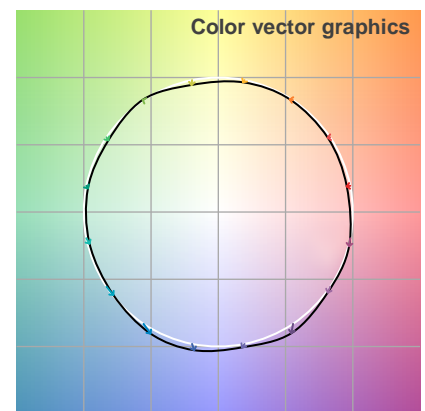
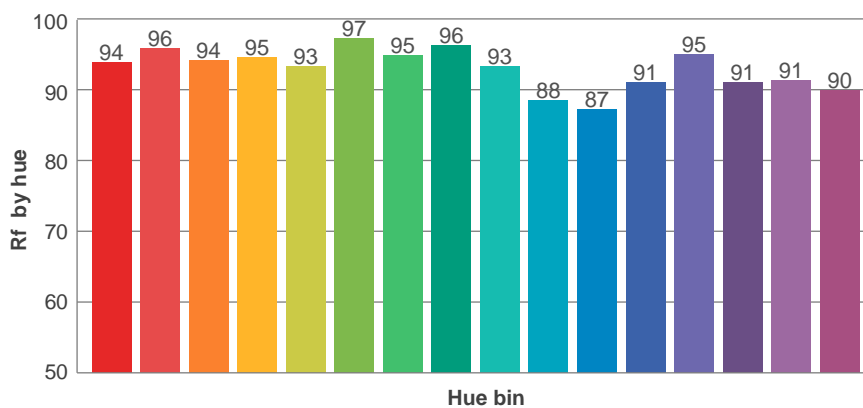
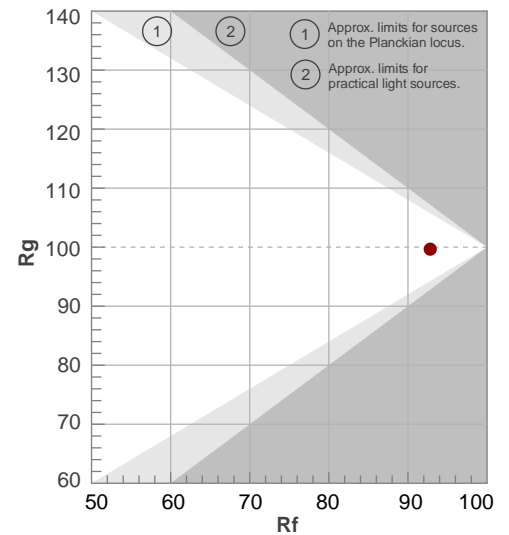
**Rf 92,8**

Fidelity index Rf

**Rg 99,7**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 94             | -3%        | 0%  |
| 2       | 96             | -2%        | 1%  |
| 3       | 94             | -1%        | 2%  |
| 4       | 95             | -2%        | 1%  |
| 5       | 93             | -3%        | 1%  |
| 6       | 97             | 1%         | 0%  |
| 7       | 95             | -2%        | 1%  |
| 8       | 96             | -2%        | 2%  |
| 9       | 93             | -2%        | 4%  |
| 10      | 88             | -1%        | 8%  |
| 11      | 87             | 3%         | 8%  |
| 12      | 91             | 4%         | 2%  |
| 13      | 95             | 2%         | -2% |
| 14      | 91             | 5%         | -5% |
| 15      | 91             | 1%         | -4% |
| 16      | 90             | 0%         | -6% |



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

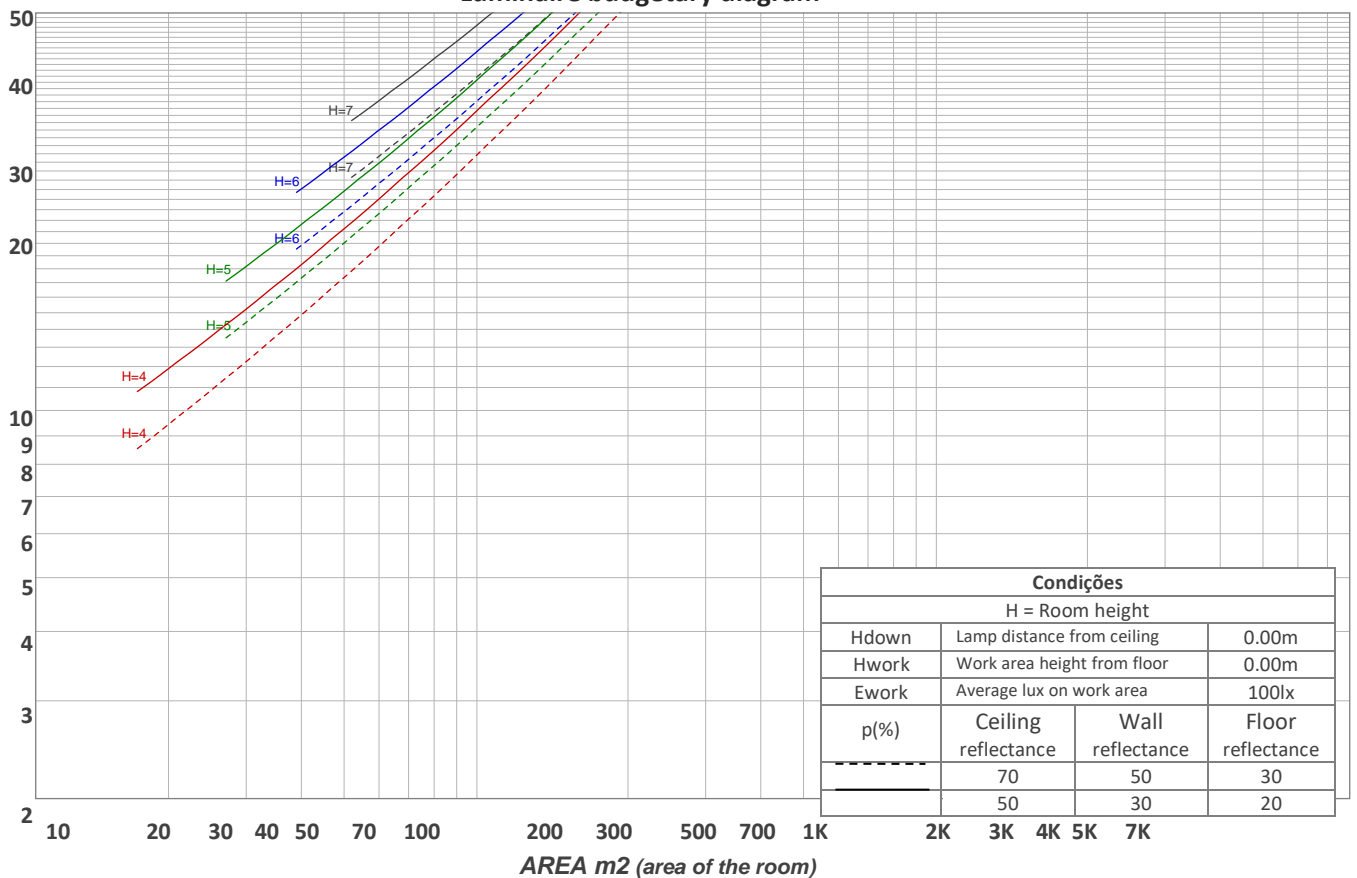
|   |     |  |      |      |      |      |   |      |      |      |      |
|---|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling   |     | 70   | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls   |     | 50   | 30   | 50   | 30   | 30   | 50                                      | 30   | 50   | 30   | 30   |
| p Floor   |     | 20   | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   |
| Room size<br>X    Y   |     | Viewing direction at right angles to lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H  | 2H  | 17,7   | 18,8 | 17,9 | 19,1 | 19,3 | 16,3                                    | 17,4 | 16,5 | 17,8 | 18,0 |
|   | 3H  | 19,0   | 20,2 | 19,4 | 20,5 | 20,7 | 17,0                                    | 18,2 | 17,4 | 18,5 | 18,7 |
|   | 4H  | 19,5   | 20,7 | 20,0 | 20,9 | 21,2 | 17,2                                    | 18,3 | 17,6 | 18,6 | 18,9 |
|   | 6H  | 19,9   | 20,9 | 20,3 | 21,2 | 21,6 | 17,3                                    | 18,3 | 17,6 | 18,6 | 19,0 |
|   | 8H  | 20,0   | 21,0 | 20,4 | 21,3 | 21,7 | 17,3                                    | 18,2 | 17,7 | 18,6 | 19,0 |
|   | 12H | 20,0   | 21,0 | 20,4 | 21,3 | 21,8 | 17,3                                    | 18,2 | 17,7 | 18,5 | 19,0 |
| 4H  | 2H  | 18,0   | 19,1 | 18,4 | 19,4 | 19,7 | 16,9                                    | 18,0 | 17,3 | 18,3 | 18,6 |
|   | 3H  | 19,6   | 20,5 | 20,0 | 20,9 | 21,4 | 17,9                                    | 18,8 | 18,3 | 19,1 | 19,6 |
|   | 4H  | 20,2   | 21,0 | 20,6 | 21,4 | 22,0 | 18,0                                    | 18,9 | 18,5 | 19,3 | 19,9 |
|   | 6H  | 20,6   | 21,4 | 21,1 | 21,8 | 22,2 | 18,1                                    | 18,9 | 18,6 | 19,3 | 19,7 |
|   | 8H  | 20,7   | 21,4 | 21,2 | 21,8 | 22,2 | 18,1                                    | 18,8 | 18,6 | 19,2 | 19,6 |
|   | 12H | 20,8   | 21,4 | 21,3 | 21,8 | 22,3 | 18,1                                    | 18,7 | 18,6 | 19,2 | 19,7 |
| 8H  | 4H  | 20,2   | 20,9 | 20,7 | 21,3 | 21,7 | 18,2                                    | 19,0 | 18,8 | 19,3 | 19,8 |
|   | 6H  | 20,7   | 21,3 | 21,2 | 21,8 | 22,3 | 18,4                                    | 18,9 | 18,9 | 19,4 | 20,0 |
|   | 8H  | 20,9   | 21,4 | 21,4 | 21,9 | 22,6 | 18,4                                    | 18,9 | 19,0 | 19,4 | 20,1 |
|   | 12H | 21,0   | 21,4 | 21,6 | 21,9 | 22,5 | 18,4                                    | 18,8 | 19,0 | 19,4 | 20,0 |
| 12H   | 4H  | 20,2   | 20,8 | 20,7 | 21,2 | 21,7 | 18,2                                    | 18,8 | 18,7 | 19,3 | 19,8 |
|   | 6H  | 20,7   | 21,2 | 21,3 | 21,7 | 22,4 | 18,4                                    | 18,9 | 18,9 | 19,4 | 20,1 |
|   | 8H  | 20,9   | 21,3 | 21,5 | 21,8 | 22,4 | 18,4                                    | 18,8 | 19,0 | 19,4 | 20,0 |
| 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 / -0,9                                     |      |      |      |      | 1,0 / -1,6                              |      |      |      |      |
| Standard table  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand   |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 492 lm total luminous flux |     |  |      |      |      |      |   |      |      |      |      |

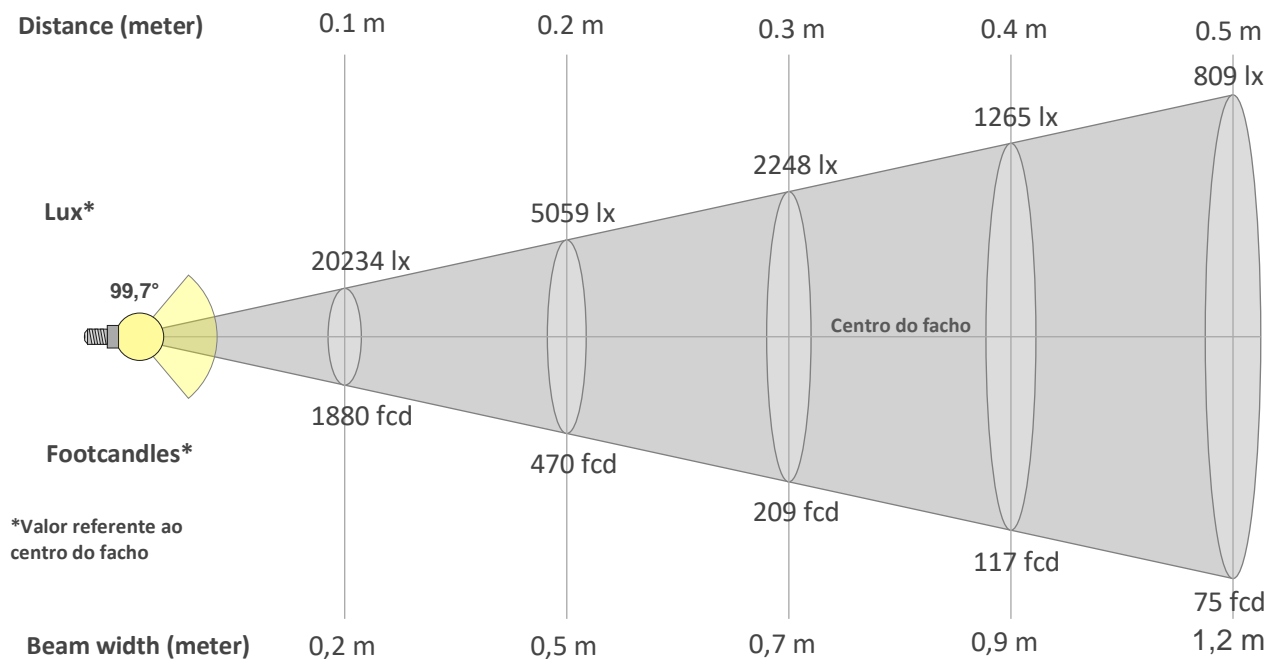
**Coeficiente de utilização**

| 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 | 101 | 101 | 101 | 99 |
| 1                   | 109  | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 90  | 88  | 87  | 85 |
| 2                   | 100  | 92  | 86  | 81  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 76  | 80  | 77  | 74  | 71 |
| 3                   | 92   | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 71  | 67  | 63  | 61 |
| 4                   | 84   | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 52 |
| 5                   | 77   | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 46 |
| 6                   | 72   | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 52  | 47  | 42  | 40 |
| 7                   | 66   | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 36 |
| 8                   | 62   | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32 |
| 9                   | 58   | 45  | 37  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 29 |
| 10                  | 54   | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26 |

**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 |
| 202lx   | 51lx   | 22lx   | 13lx   | 8lx    | 6lx    | 4lx    | 3lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    |
| 18,8fcd | 4,7fcd | 2,1fcd | 1,2fcd | 0,8fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 202  | 201 | 198 | 192 | 185 | 175 | 165 | 152 | 139 | 126 | 111 | 96  | 80  | 65  | 49  | 32  | 18  | 7   | 1   | 1   |
| 100% | 99% | 98% | 95% | 91% | 87% | 81% | 75% | 69% | 62% | 55% | 47% | 40% | 32% | 24% | 16% | 9%  | 3%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 202  | 201  | 197 | 192 | 182 | 170 | 156 | 140 | 124 | 107 | 90  | 73  | 56  | 40  | 25  | 13  | 6   | 3   | 1   | 1   |
| 100% | 100% | 98% | 95% | 90% | 84% | 77% | 69% | 61% | 53% | 44% | 36% | 28% | 20% | 12% | 6%  | 3%  | 1%  | 1%  | 0%  |

### Intensities in 180° c-plane

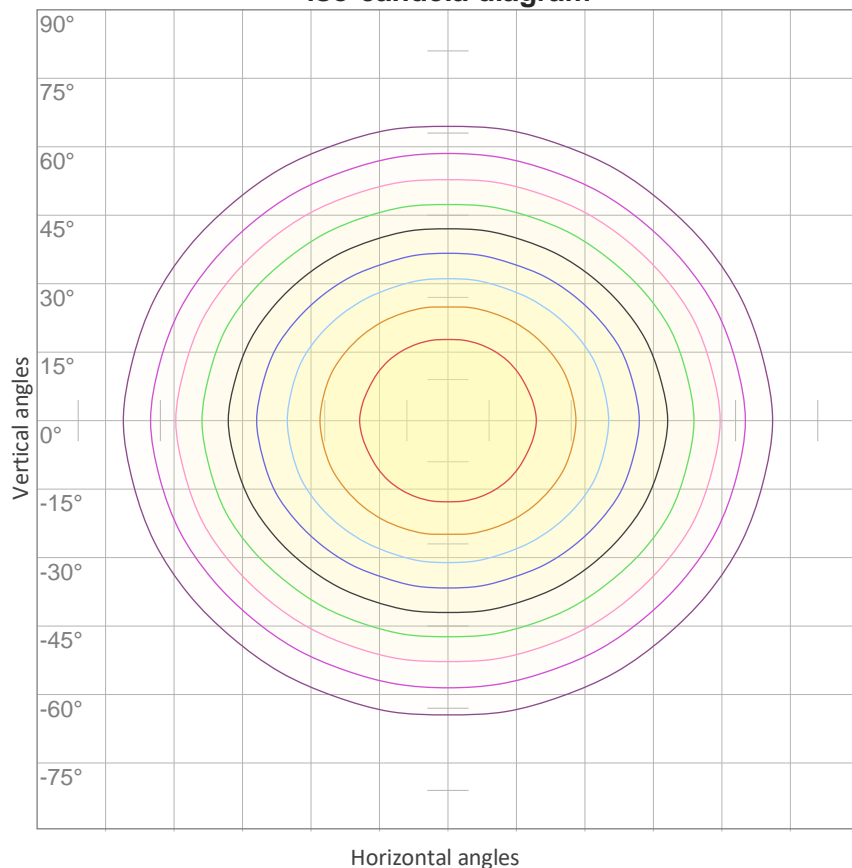
| 0°   | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 202  | 201 | 198 | 192 | 185 | 175 | 165 | 152 | 139 | 126 | 111 | 96  | 80  | 65  | 49  | 32  | 18  | 7   | 1   | 1   |
| 100% | 99% | 98% | 95% | 91% | 87% | 81% | 75% | 69% | 62% | 55% | 47% | 40% | 32% | 24% | 16% | 9%  | 3%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 202  | 201  | 197 | 192 | 182 | 170 | 156 | 140 | 124 | 107 | 90  | 73  | 56  | 40  | 25  | 13  | 6   | 3   | 1   | 1   |
| 100% | 100% | 98% | 95% | 90% | 84% | 77% | 69% | 61% | 53% | 44% | 36% | 28% | 20% | 12% | 6%  | 3%  | 1%  | 1%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 99,7°          | 150,2°          | 165,5°            | 82,2%                        | 57,9%                       |

**iso-candela diagram**



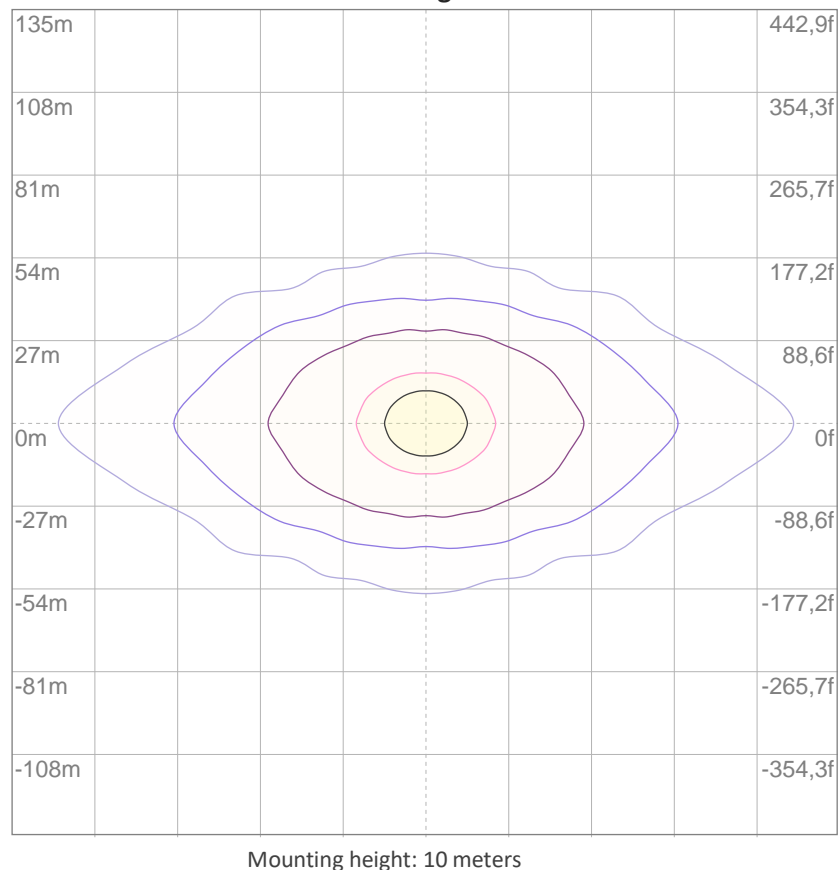
|     |        |
|-----|--------|
| 10% | 20 cd  |
| 20% | 40 cd  |
| 30% | 61 cd  |
| 40% | 81 cd  |
| 50% | 101 cd |
| 60% | 121 cd |
| 70% | 142 cd |
| 80% | 162 cd |
| 90% | 182 cd |

Conditions:

Number of c-planes: 16

Candela at center: 202 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 60,7m lx |
| 5%  | 0,101 lx |
| 10% | 0,202 lx |
| 30% | 0,607 lx |
| 50% | 1,01 lx  |

Conditions:

Number of c-planes: 16

Lux at center: 2,02 lx

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

**Potência**

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

**Vttagem: 12,0 V**

**Corrente: 0,892 A**

**Frequência: 0 Hz**

**FP: 0,99**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**