

## P50 SLED9017 BRANCA FITA 11WM 5700K 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 – 468 lm/m

Potência – 10,8 W/m

Intensidade pico – 195cd

CCT – 5686K



IRC – 96,2

Coordenada CIE 1931 – x- 0,328 y- 0,339

A x L - 50x50

Peso - 1,1kg/m

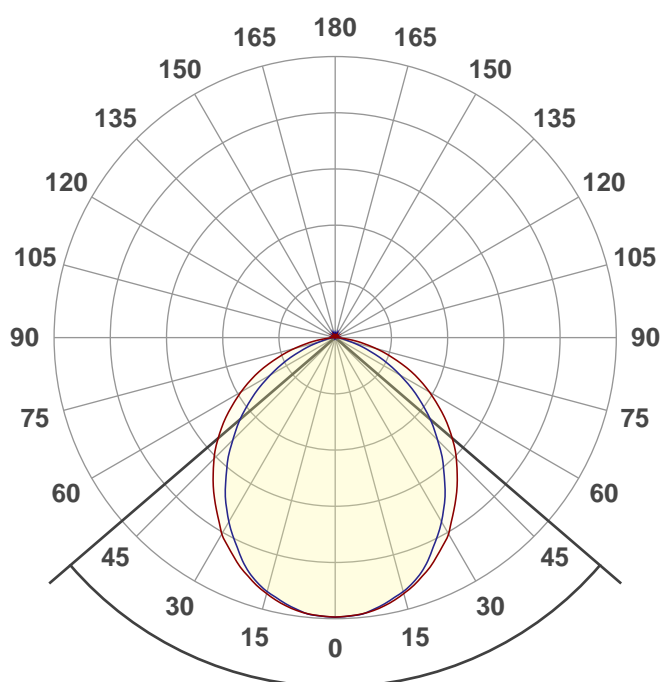
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

27/02/2023 10:20:26



Facho de abertura

**98,6°**

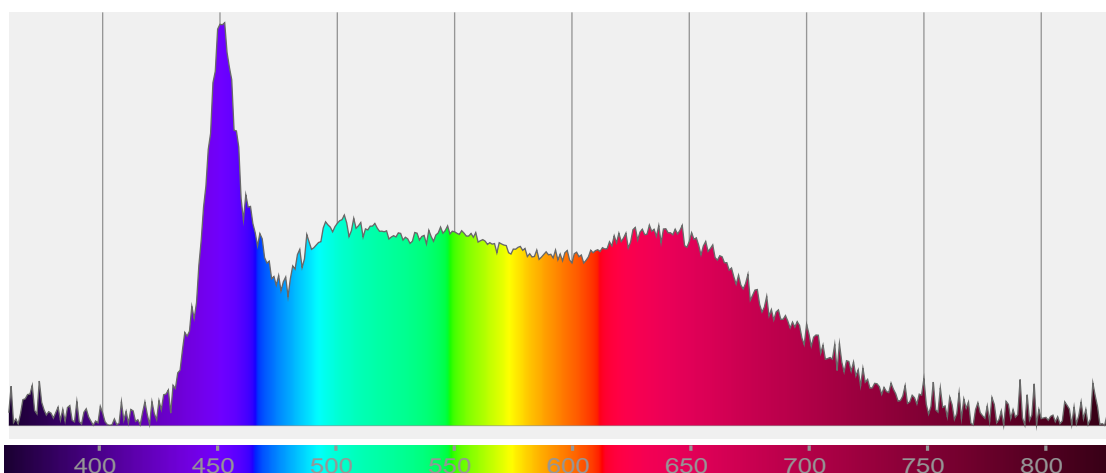
**Rf 93,6**

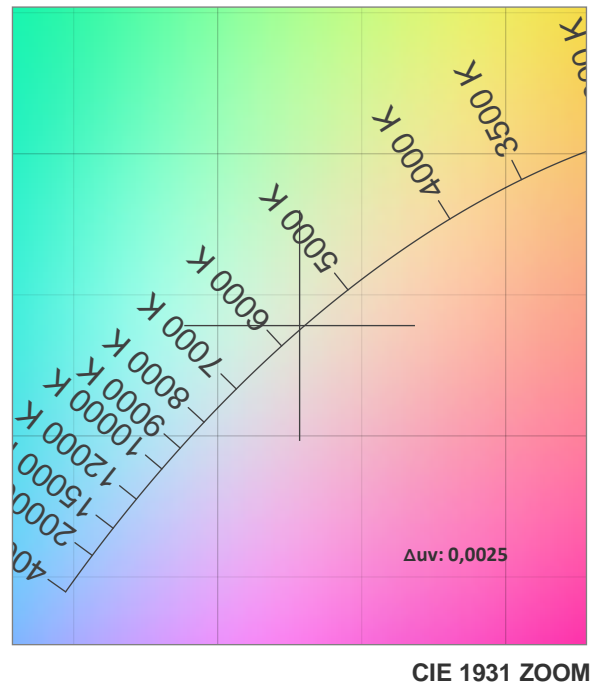
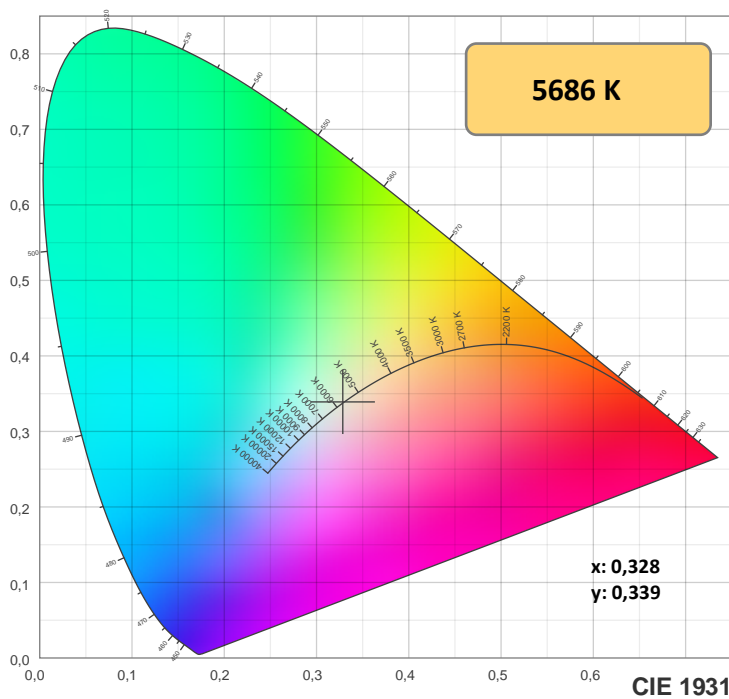
Fidelity index Rf

**Rg 101,4**

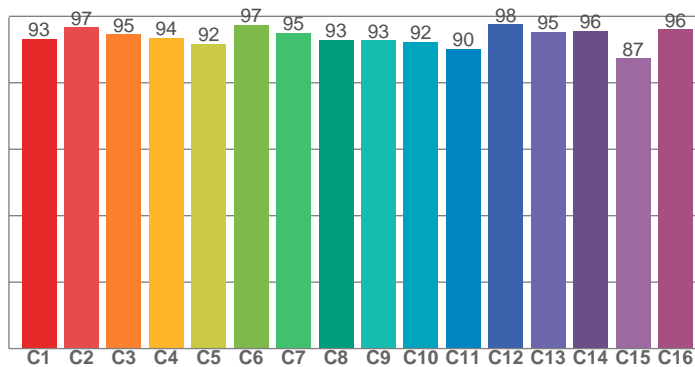
Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | 2%         | 1%  |
| 2       | 97             | 2%         | -1% |
| 3       | 95             | 1%         | -2% |
| 4       | 94             | -2%        | -3% |
| 5       | 92             | -5%        | -2% |
| 6       | 97             | -2%        | 1%  |
| 7       | 95             | -2%        | 3%  |
| 8       | 93             | 0%         | 4%  |
| 9       | 93             | 1%         | 7%  |
| 10      | 92             | 2%         | 5%  |
| 11      | 90             | 4%         | 5%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 95             | 2%         | 0%  |
| 14      | 96             | 1%         | 0%  |
| 15      | 87             | 9%         | -4% |
| 16      | 96             | 1%         | 1%  |

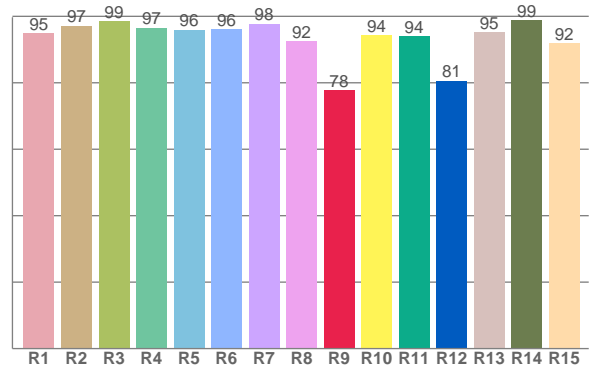




TM-30: 93,6



CRI: 96,2 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,0 | 97,2 | 98,6 | 96,6 | 96,0 | 96,1 | 97,8 | 92,5 | 77,8 | 94,2 | 94,1 | 80,6 | 95,3 | 98,8 | 92,0 |

TM30 valores C. 16 valores extraídos dos 99.

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,2 | 96,7 | 94,5 | 93,5 | 91,7 | 97,5 | 95,1 | 92,9 | 92,7 | 92,3 | 90,3 | 97,6 | 95,3 | 95,7 | 87,4 | 96,1 |

## 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                             |
| 5686 K             | 96,2                        | 77,8                          | 93,6           | 101,4       | 96,9                | 0,328                      | 0,339                      | 0,205             | 0,317             | 0,0025                          |

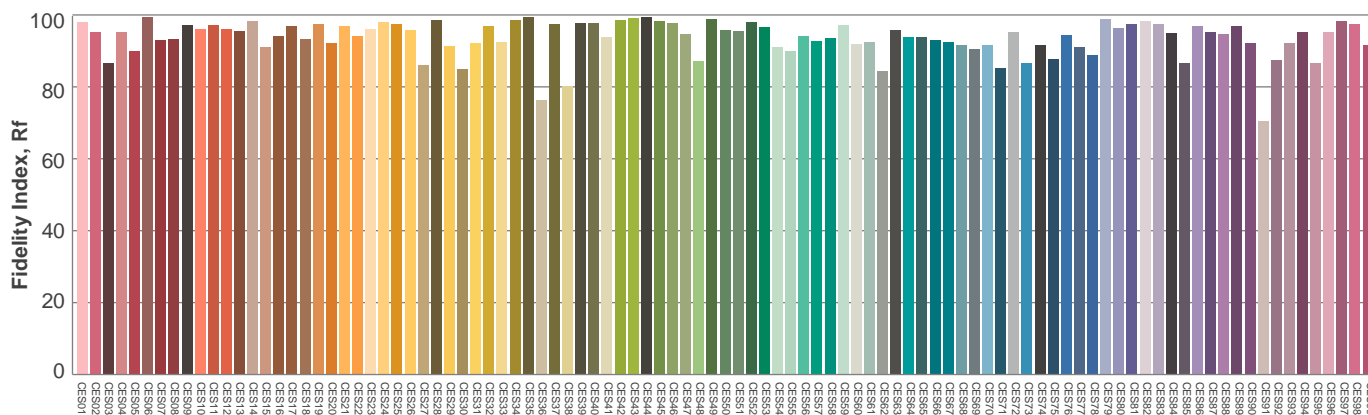
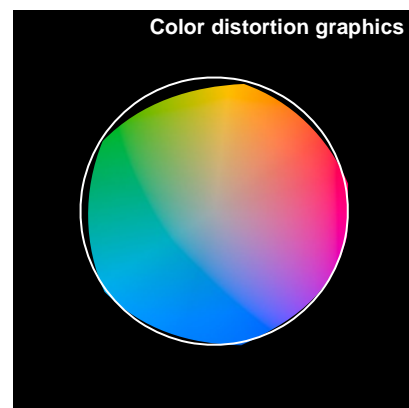
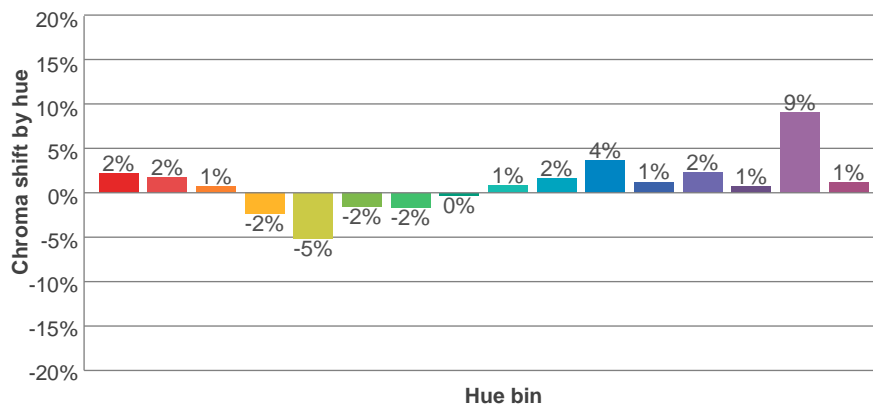
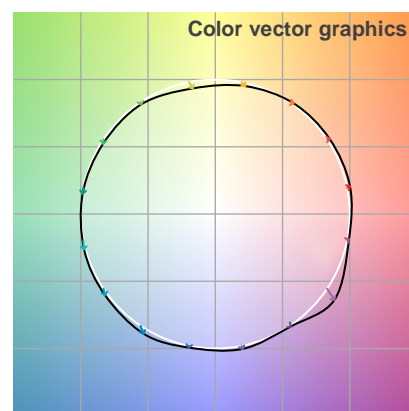
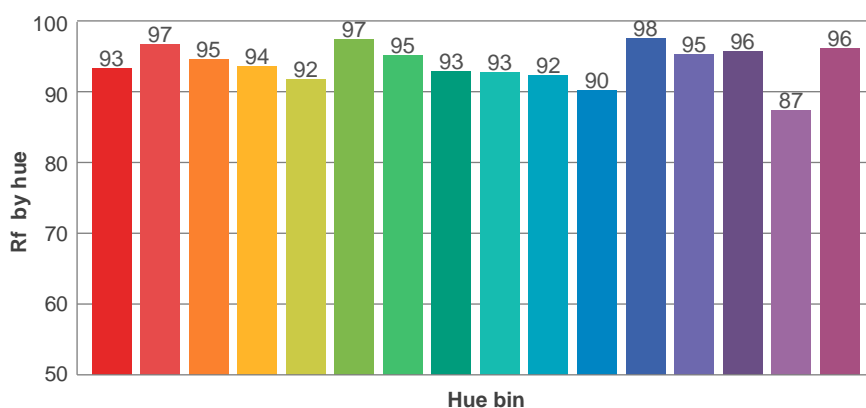
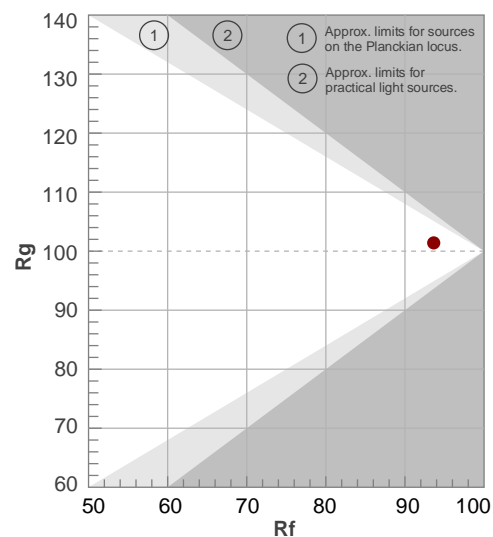
**Rf 93,6**

Fidelity index Rf

**Rg 101,4**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | 2%         | 1%  |
| 2       | 97             | 2%         | -1% |
| 3       | 95             | 1%         | -2% |
| 4       | 94             | -2%        | -3% |
| 5       | 92             | -5%        | -2% |
| 6       | 97             | -2%        | 1%  |
| 7       | 95             | -2%        | 3%  |
| 8       | 93             | 0%         | 4%  |
| 9       | 93             | 1%         | 7%  |
| 10      | 92             | 2%         | 5%  |
| 11      | 90             | 4%         | 5%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 95             | 2%         | 0%  |
| 14      | 96             | 1%         | 0%  |
| 15      | 87             | 9%         | -4% |
| 16      | 96             | 1%         | 1%  |



Glare Evaluation According to UGR

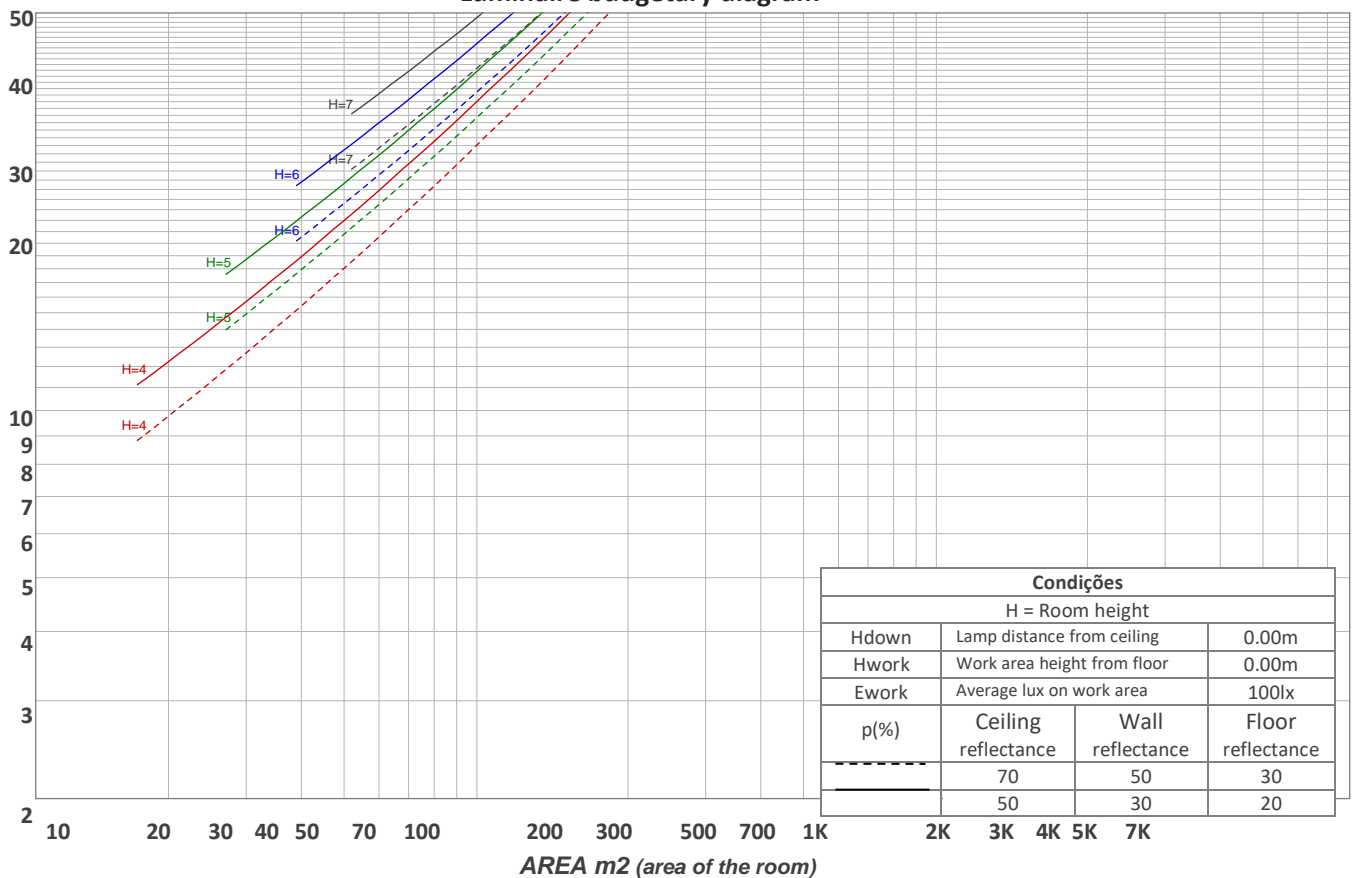
|   |     |  |      |      |      |      |   |      |      |      |      |
|---|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling   |     | 70   | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls   |     | 50   | 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  | 17,4   | 18,6 | 17,7 | 18,9 | 19,1 | 16,0                                    | 17,2 | 16,3 | 17,5 | 17,7 |
|   | 3H  | 18,7   | 19,9 | 19,2 | 20,2 | 20,4 | 16,7                                    | 17,9 | 17,1 | 18,2 | 18,4 |
|   | 4H  | 19,2   | 20,4 | 19,7 | 20,6 | 20,9 | 16,9                                    | 18,0 | 17,3 | 18,3 | 18,6 |
|   | 6H  | 19,6   | 20,6 | 20,0 | 20,9 | 21,3 | 17,0                                    | 17,9 | 17,3 | 18,2 | 18,6 |
|   | 8H  | 19,7   | 20,6 | 20,1 | 21,0 | 21,4 | 17,0                                    | 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  | 17,7   | 18,8 | 18,2 | 19,1 | 19,4 | 16,6                                    | 17,7 | 17,0 | 18,0 | 18,3 |
|   | 3H  | 19,3   | 20,2 | 19,7 | 20,6 | 21,1 | 17,5                                    | 18,5 | 17,9 | 18,8 | 19,3 |
|   | 4H  | 19,9   | 20,7 | 20,3 | 21,1 | 21,7 | 17,7                                    | 18,5 | 18,1 | 19,0 | 19,5 |
|   | 6H  | 20,2   | 21,0 | 20,8 | 21,4 | 21,8 | 17,8                                    | 18,6 | 18,3 | 18,9 | 19,3 |
|   | 8H  | 20,3   | 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 | 21,4 | 21,9 | 17,8                                    | 18,4 | 18,3 | 18,8 | 19,3 |
| 8H  | 4H  | 19,9   | 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                                    | 18,5 | 18,5 | 19,0 | 19,6 |
|   | 8H  | 20,5   | 21,0 | 21,0 | 21,5 | 22,2 | 18,1                                    | 18,5 | 18,6 | 19,1 | 19,7 |
|   | 12H | 20,6   | 21,0 | 21,2 | 21,5 | 22,1 | 18,1                                    | 18,5 | 18,7 | 19,0 | 19,6 |
| 12H   | 4H  | 19,8   | 20,4 | 20,4 | 20,9 | 21,4 | 17,8                                    | 18,4 | 18,4 | 18,9 | 19,4 |
|   | 6H  | 20,4   | 20,8 | 20,9 | 21,4 | 22,0 | 18,0                                    | 18,5 | 18,6 | 19,0 | 19,7 |
|   | 8H  | 20,5   | 20,9 | 21,1 | 21,4 | 22,0 | 18,1                                    | 18,5 | 18,7 | 19,0 | 19,6 |
| 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                                     |      |      |      |      | 0,5 / -0,8                              |      |      |      |      |
| S = 2.0H  |     | 0,7 / -0,9                                     |      |      |      |      | 1,0 / -1,7                              |      |      |      |      |
| Standard table  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand   |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 468 lm total luminous flux |     |  |      |      |      |      |   |      |      |      |      |

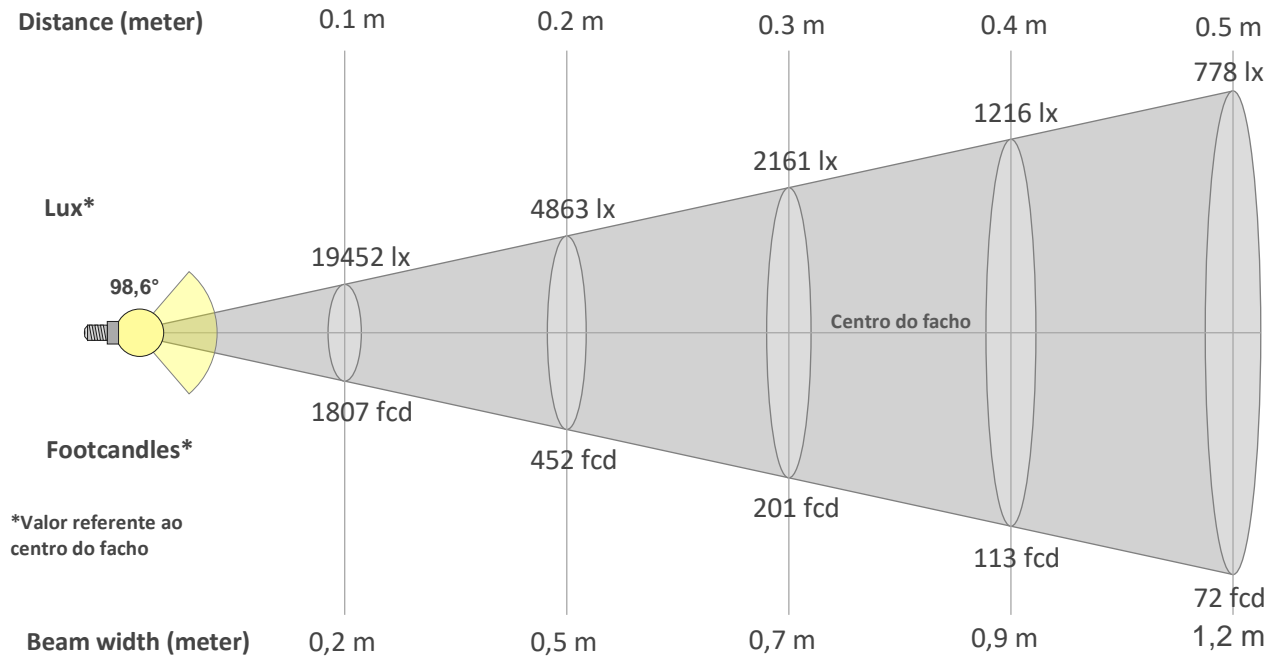
**Coeficiente de utilização**

| 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 | 98 |
| 1                   | 109  | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 90  | 88  | 87  | 85 |
| 2                   | 100  | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 83  | 79  | 76  | 80  | 77  | 74  | 72 |
| 3                   | 92   | 82  | 74  | 68  | 89  | 80  | 73  | 68  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 62 |
| 4                   | 85   | 73  | 65  | 59  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 64  | 59  | 55  | 53 |
| 5                   | 78   | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 46 |
| 6                   | 72   | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41 |
| 7                   | 67   | 54  | 46  | 40  | 65  | 53  | 45  | 40  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 38  | 36 |
| 8                   | 63   | 49  | 41  | 36  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33 |
| 9                   | 58   | 46  | 38  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 42  | 36  | 32  | 41  | 36  | 31  | 30 |
| 10                  | 55   | 42  | 34  | 29  | 54  | 42  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 38  | 33  | 29  | 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 |
| 195lx   | 49lx   | 22lx  | 12lx   | 8lx    | 5lx    | 4lx    | 3lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 0lx    |
| 18,1fcd | 4,5fcd | 2fcd  | 1,1fcd | 0,7fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,1fcd | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 195  | 193 | 190 | 184 | 177 | 168 | 158 | 145 | 132 | 119 | 105 | 91  | 76  | 61  | 45  | 30  | 16  | 5   | 1   | 1   |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 74% | 68% | 61% | 54% | 47% | 39% | 31% | 23% | 15% | 8%  | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 195  | 194 | 189 | 183 | 174 | 161 | 148 | 133 | 117 | 101 | 85  | 69  | 52  | 37  | 23  | 11  | 6   | 3   | 1   | 1   |
| 100% | 99% | 97% | 94% | 90% | 83% | 76% | 69% | 60% | 52% | 44% | 35% | 27% | 19% | 12% | 6%  | 3%  | 1%  | 1%  | 1%  |

### Intensities in 180° c-plane

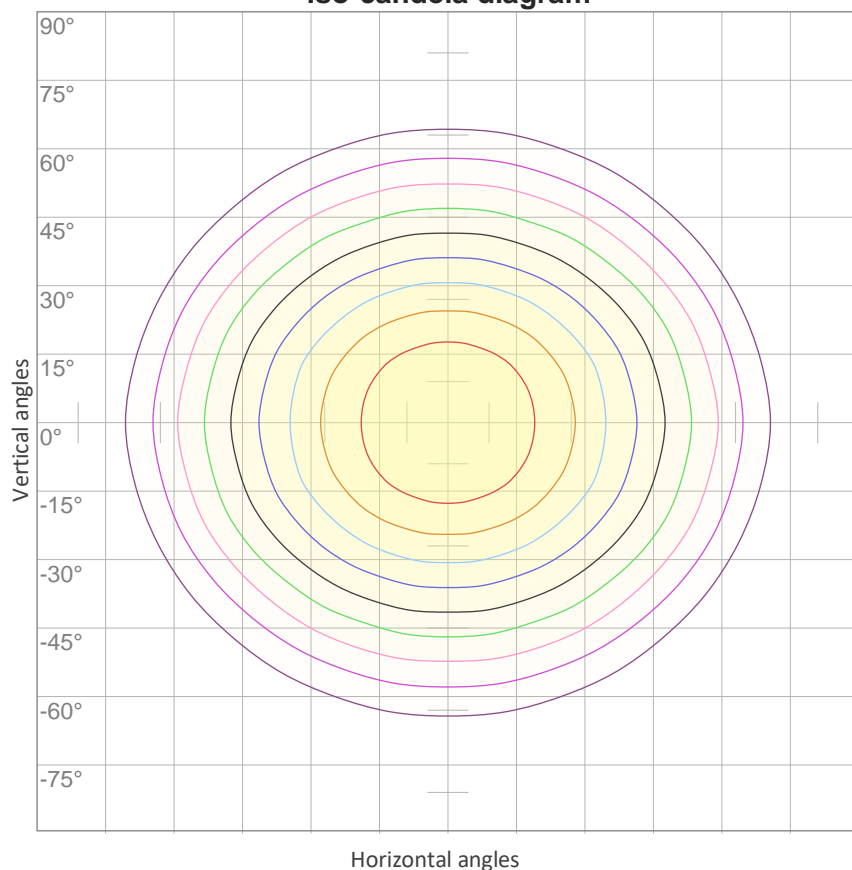
| 0°   | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 195  | 193 | 190 | 184 | 177 | 168 | 158 | 145 | 132 | 119 | 105 | 91  | 76  | 61  | 45  | 30  | 16  | 5   | 1   | 1   |
| 100% | 99% | 98% | 95% | 91% | 86% | 81% | 74% | 68% | 61% | 54% | 47% | 39% | 31% | 23% | 15% | 8%  | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 195  | 194 | 189 | 183 | 174 | 161 | 148 | 133 | 117 | 101 | 85  | 69  | 52  | 37  | 23  | 11  | 6   | 3   | 1   | 1   |
| 100% | 99% | 97% | 94% | 90% | 83% | 76% | 69% | 60% | 52% | 44% | 35% | 27% | 19% | 12% | 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 |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 98,6°          | 148,9°          | 164,8°            | 83,1%                        | 59,2%                       |

**iso-candela diagram**



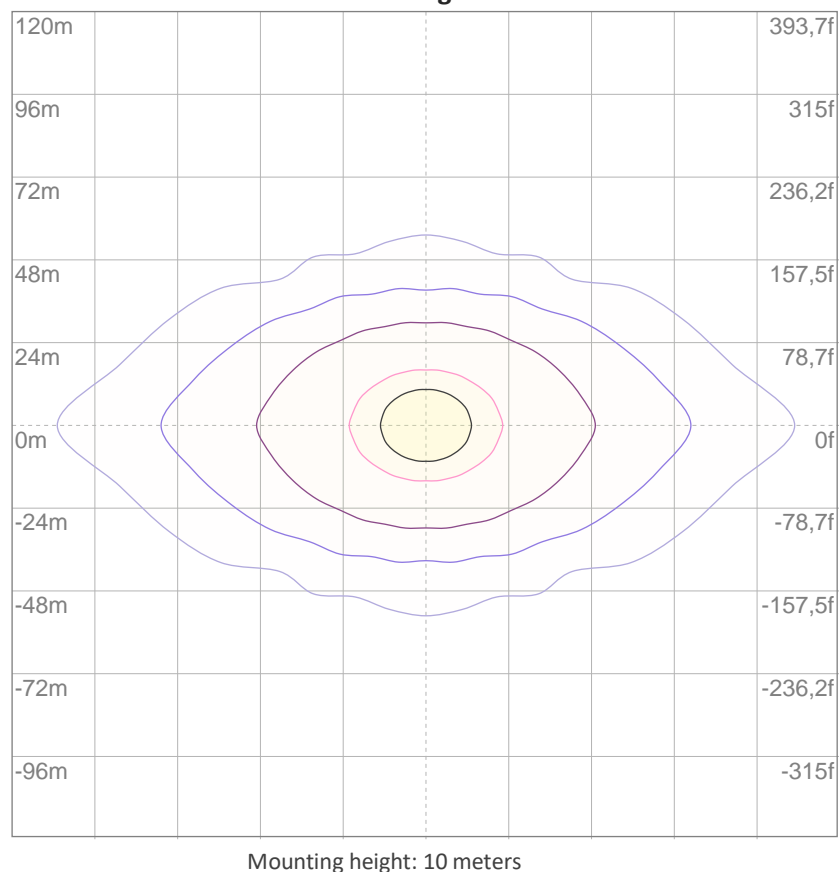
|     |        |
|-----|--------|
| 10% | 19 cd  |
| 20% | 39 cd  |
| 30% | 58 cd  |
| 40% | 78 cd  |
| 50% | 97 cd  |
| 60% | 117 cd |
| 70% | 136 cd |
| 80% | 156 cd |
| 90% | 175 cd |

Conditions:

Number of c-planes: 16

Candela at center: 195 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 58,4m lx |
| 5%  | 97,3m lx |
| 10% | 0,195 lx |
| 30% | 0,584 lx |
| 50% | 0,973 lx |

Conditions:

Number of c-planes: 16

Lux at center: 1,95 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: 0,904 A**

**Frequência: 0 Hz**

**FP: 0,99**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**