

## 9005 SLED9005 BRANCA FITA 11WM 5700K 95 - 1m



Luminária linear de sobrepor em forro de gesso ou Dry-wall 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 – 628 lm/m

Potência – 11,0 W/m

Intensidade pico – 211cd

CCT – 5568K



IRC – 95,4

Coordenada CIE 1931 – x- 0,331 y- 0,342

A x L - 8x17

Peso - 0,12kg/m

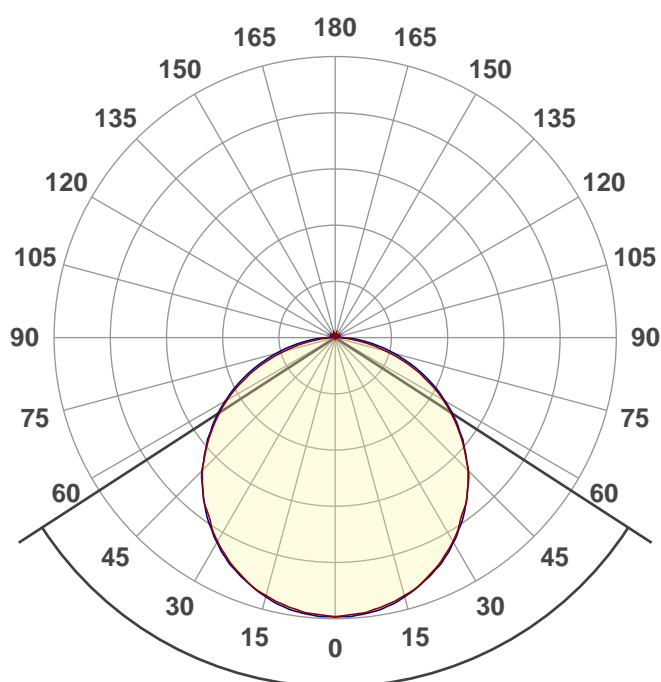
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

24/03/2022 10:40:06



Facho de abertura

**114,1°**

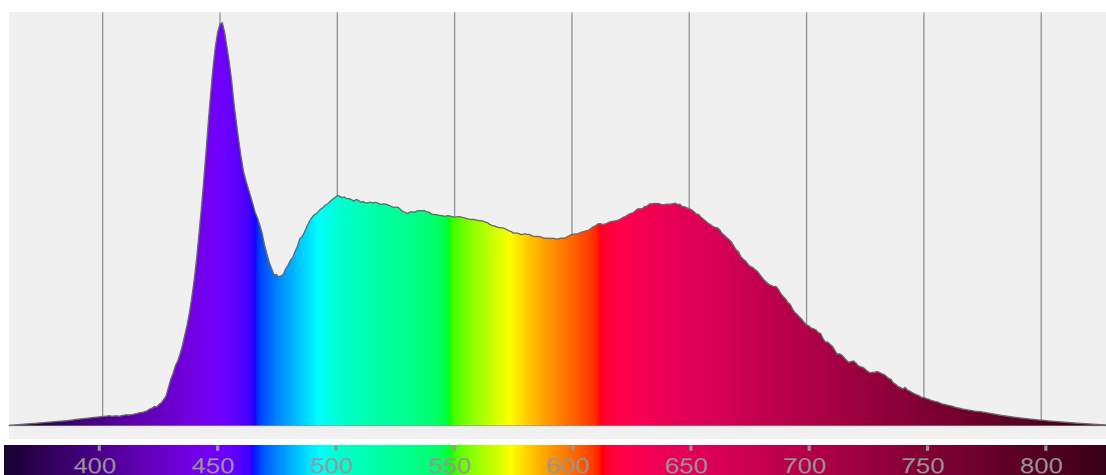
**Rf 93,8**

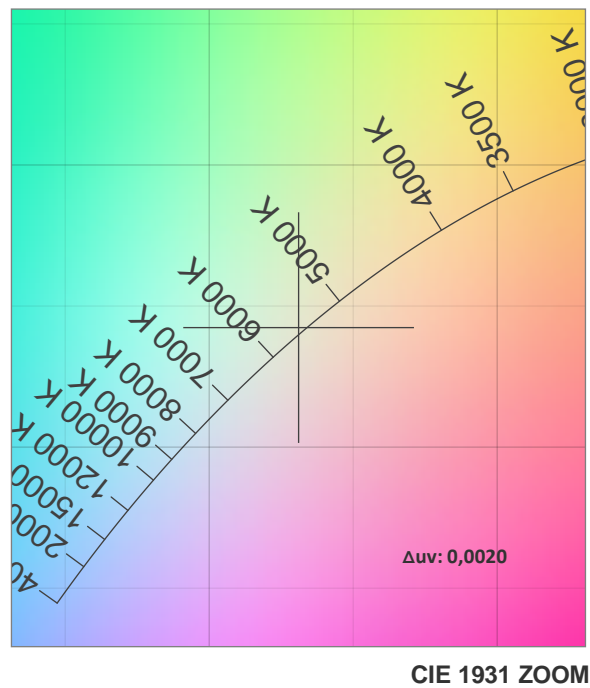
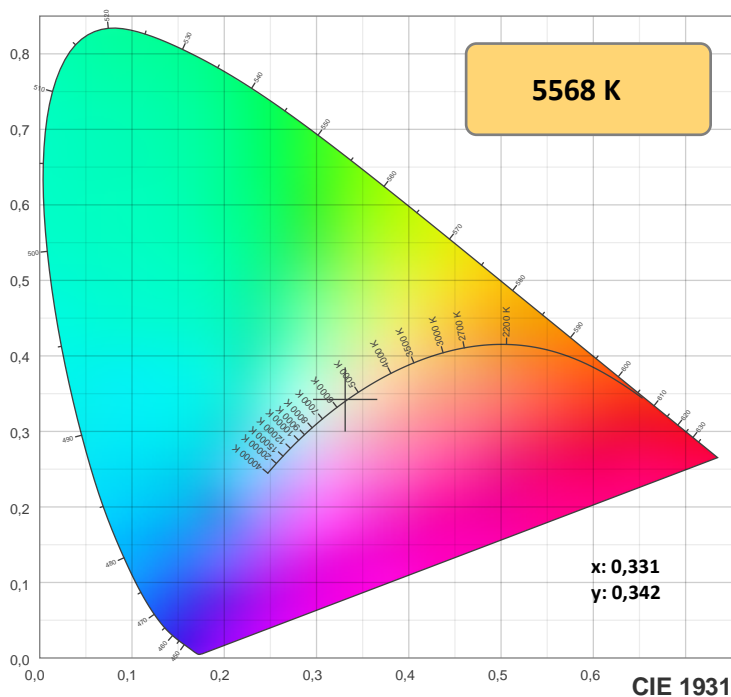
Fidelity index Rf

**Rg 101,9**

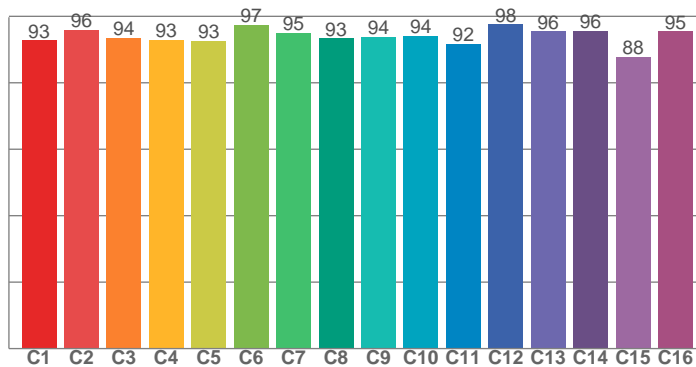
Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | 3%         | 0%  |
| 2       | 96             | 2%         | -1% |
| 3       | 94             | 1%         | -3% |
| 4       | 93             | -2%        | -4% |
| 5       | 93             | -5%        | -2% |
| 6       | 97             | -1%        | 1%  |
| 7       | 95             | -1%        | 3%  |
| 8       | 93             | 0%         | 4%  |
| 9       | 94             | 2%         | 5%  |
| 10      | 94             | 2%         | 3%  |
| 11      | 92             | 3%         | 4%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 96             | 2%         | 1%  |
| 14      | 96             | 1%         | 1%  |
| 15      | 88             | 9%         | -3% |
| 16      | 95             | 2%         | 1%  |

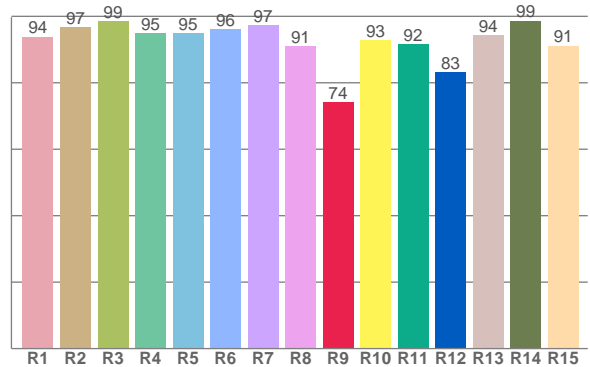




TM-30: 93,8



CRI: 95,4 (R1-R8)



CRIRa R1-R8 / CRIRe R1-R15

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,8 | 96,8 | 98,5 | 94,9 | 95,0 | 96,1 | 97,2 | 90,9 | 74,1 | 92,7 | 91,6 | 83,2 | 94,3 | 98,7 | 91,2 |

TM30 valores C. 16 valores extraídos dos 99.

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,8 | 95,9 | 93,6 | 93,0 | 92,5 | 97,5 | 95,1 | 93,4 | 93,8 | 94,1 | 91,6 | 97,6 | 95,5 | 95,7 | 87,9 | 95,5 |

## 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                             |
| 5568 K             | 95,4                        | 74,1                          | 93,8           | 101,9       | 96,9                | 0,331                      | 0,342                      | 0,205             | 0,319             | 0,0020                          |

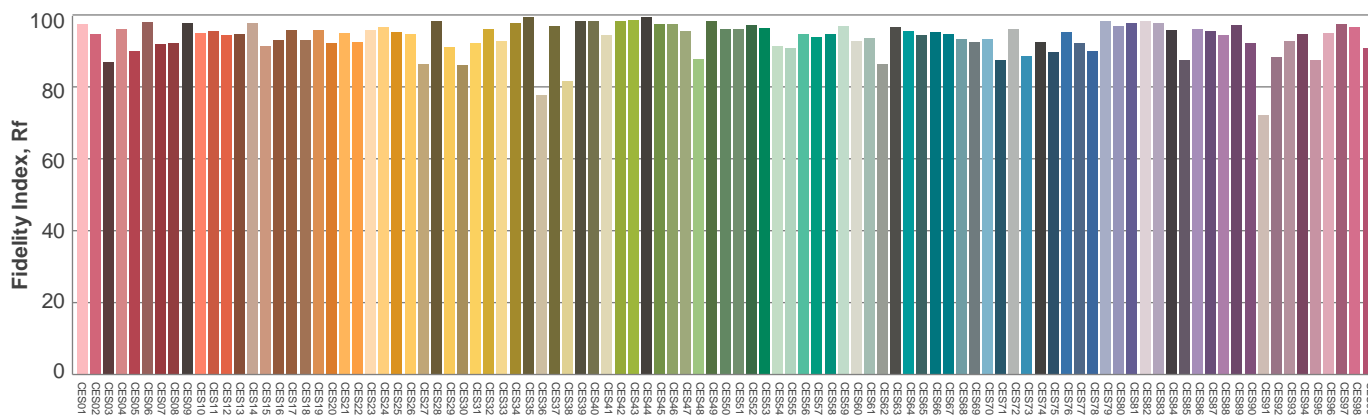
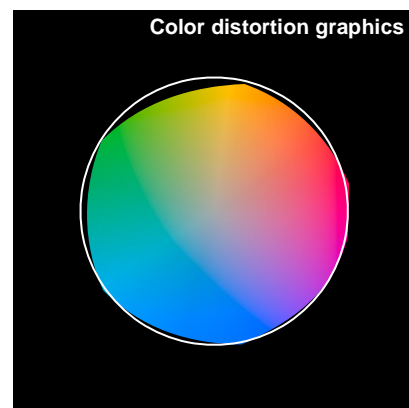
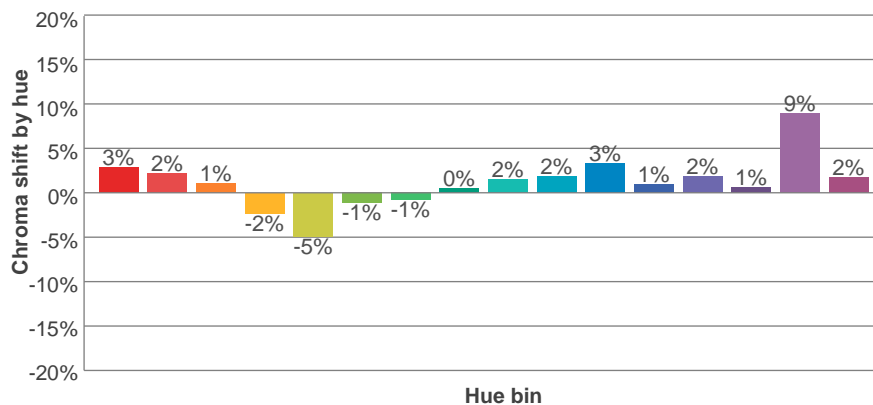
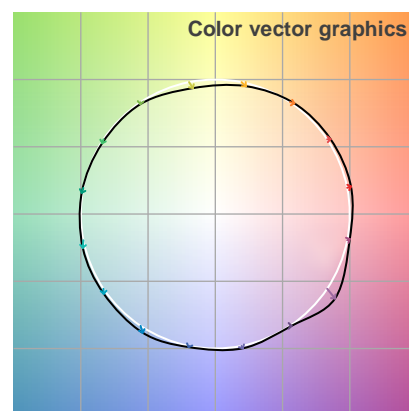
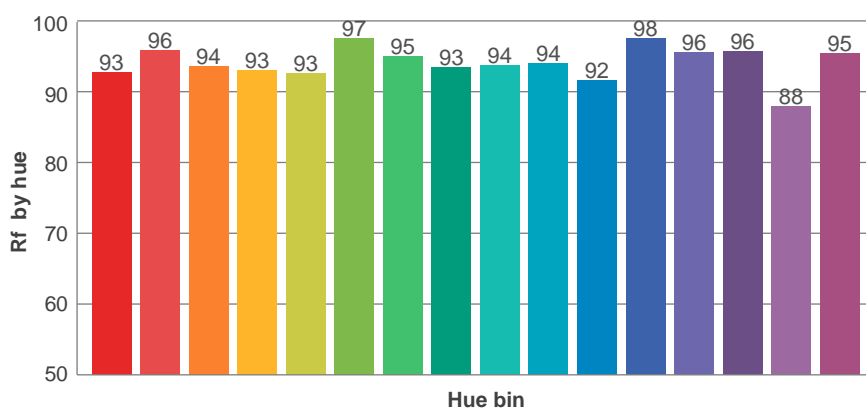
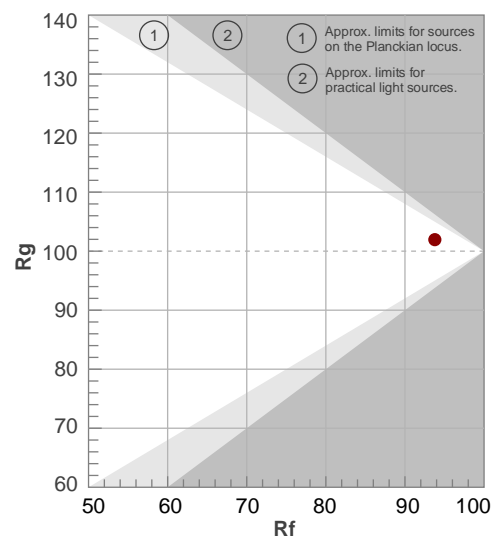
**Rf 93,8**

Fidelity index Rf

**Rg 101,9**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | 3%         | 0%  |
| 2       | 96             | 2%         | -1% |
| 3       | 94             | 1%         | -3% |
| 4       | 93             | -2%        | -4% |
| 5       | 93             | -5%        | -2% |
| 6       | 97             | -1%        | 1%  |
| 7       | 95             | -1%        | 3%  |
| 8       | 93             | 0%         | 4%  |
| 9       | 94             | 2%         | 5%  |
| 10      | 94             | 2%         | 3%  |
| 11      | 92             | 3%         | 4%  |
| 12      | 98             | 1%         | 0%  |
| 13      | 96             | 2%         | 1%  |
| 14      | 96             | 1%         | 1%  |
| 15      | 88             | 9%         | -3% |
| 16      | 95             | 2%         | 1%  |



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

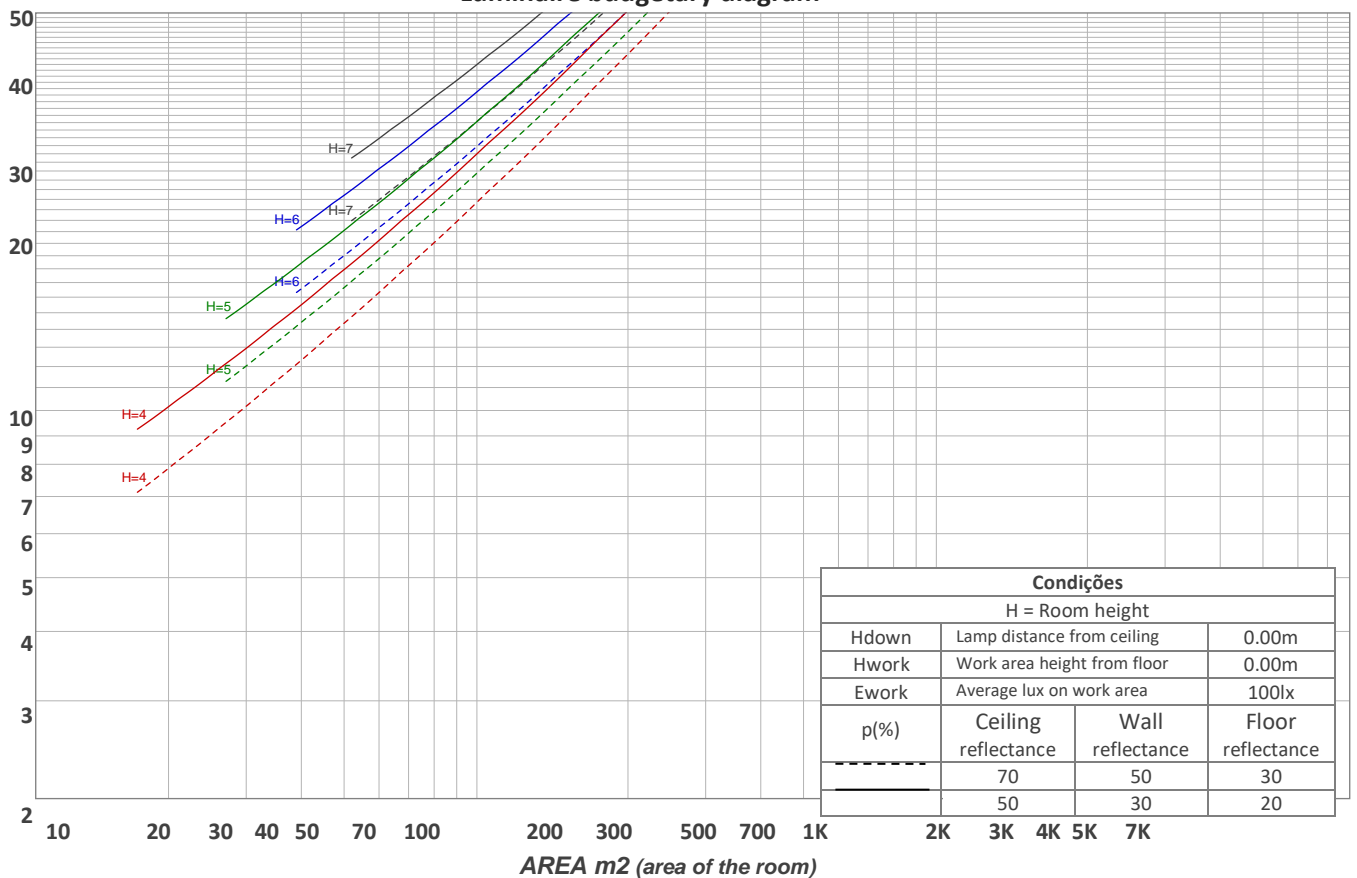
|   |     |  |      |      |      |      |   |      |      |      |      |
|---|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling   |     | 70   | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls   |     | 50   | 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  | 20,9   | 22,1 | 21,2 | 22,5 | 22,7 | 21,2                                    | 22,4 | 21,4 | 22,7 | 23,0 |
|   | 3H  | 22,3   | 23,6 | 22,7 | 23,9 | 24,1 | 22,8                                    | 24,0 | 23,2 | 24,3 | 24,6 |
|   | 4H  | 22,9   | 24,1 | 23,3 | 24,4 | 24,7 | 23,5                                    | 24,7 | 23,9 | 25,0 | 25,3 |
|   | 6H  | 23,3   | 24,4 | 23,6 | 24,7 | 25,1 | 24,2                                    | 25,2 | 24,5 | 25,5 | 25,9 |
|   | 8H  | 23,4   | 24,4 | 23,8 | 24,8 | 25,2 | 24,4                                    | 25,4 | 24,8 | 25,7 | 26,2 |
|   | 12H | 23,4   | 24,4 | 23,8 | 24,8 | 25,3 | 24,6                                    | 25,6 | 25,0 | 25,9 | 26,4 |
| 4H  | 2H  | 21,5   | 22,7 | 22,0 | 23,0 | 23,3 | 21,7                                    | 22,9 | 22,2 | 23,2 | 23,5 |
|   | 3H  | 23,3   | 24,3 | 23,7 | 24,6 | 25,1 | 23,7                                    | 24,6 | 24,0 | 25,0 | 25,5 |
|   | 4H  | 23,9   | 24,8 | 24,3 | 25,2 | 25,8 | 24,4                                    | 25,4 | 24,9 | 25,8 | 26,4 |
|   | 6H  | 24,3   | 25,2 | 24,9 | 25,6 | 26,0 | 25,2                                    | 26,0 | 25,7 | 26,4 | 26,8 |
|   | 8H  | 24,5   | 25,3 | 25,0 | 25,7 | 26,1 | 25,5                                    | 26,3 | 26,0 | 26,7 | 27,1 |
|   | 12H | 24,6   | 25,2 | 25,1 | 25,7 | 26,2 | 25,7                                    | 26,4 | 26,2 | 26,8 | 27,4 |
| 8H  | 4H  | 24,2   | 25,0 | 24,7 | 25,4 | 25,8 | 24,7                                    | 25,5 | 25,2 | 25,9 | 26,3 |
|   | 6H  | 24,8   | 25,4 | 25,4 | 25,9 | 26,5 | 25,6                                    | 26,2 | 26,1 | 26,7 | 27,3 |
|   | 8H  | 25,1   | 25,6 | 25,6 | 26,1 | 26,8 | 26,0                                    | 26,6 | 26,6 | 27,1 | 27,8 |
|   | 12H | 25,2   | 25,6 | 25,8 | 26,2 | 26,8 | 26,4                                    | 26,8 | 27,0 | 27,4 | 28,0 |
| 12H   | 4H  | 24,2   | 24,9 | 24,7 | 25,3 | 25,8 | 24,7                                    | 25,4 | 25,2 | 25,8 | 26,3 |
|   | 6H  | 24,9   | 25,5 | 25,5 | 26,0 | 26,7 | 25,7                                    | 26,2 | 26,2 | 26,8 | 27,4 |
|   | 8H  | 25,2   | 25,6 | 25,8 | 26,2 | 26,8 | 26,1                                    | 26,6 | 26,7 | 27,1 | 27,7 |
| Variation of the observer position for the luminaire distance S |     |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 0,1 / -0,1                                     |      |      |      |      | 0,1 / -0,1                              |      |      |      |      |
| S = 1.5H  |     | 0,2 / -0,3                                     |      |      |      |      | 0,1 / -0,2                              |      |      |      |      |
| S = 2.0H  |     | 0,4 / -0,5                                     |      |      |      |      | 0,3 / -0,4                              |      |      |      |      |
| Standard table  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand   |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 628 lm total luminous flux |     |  |      |      |      |      |   |      |      |      |      |

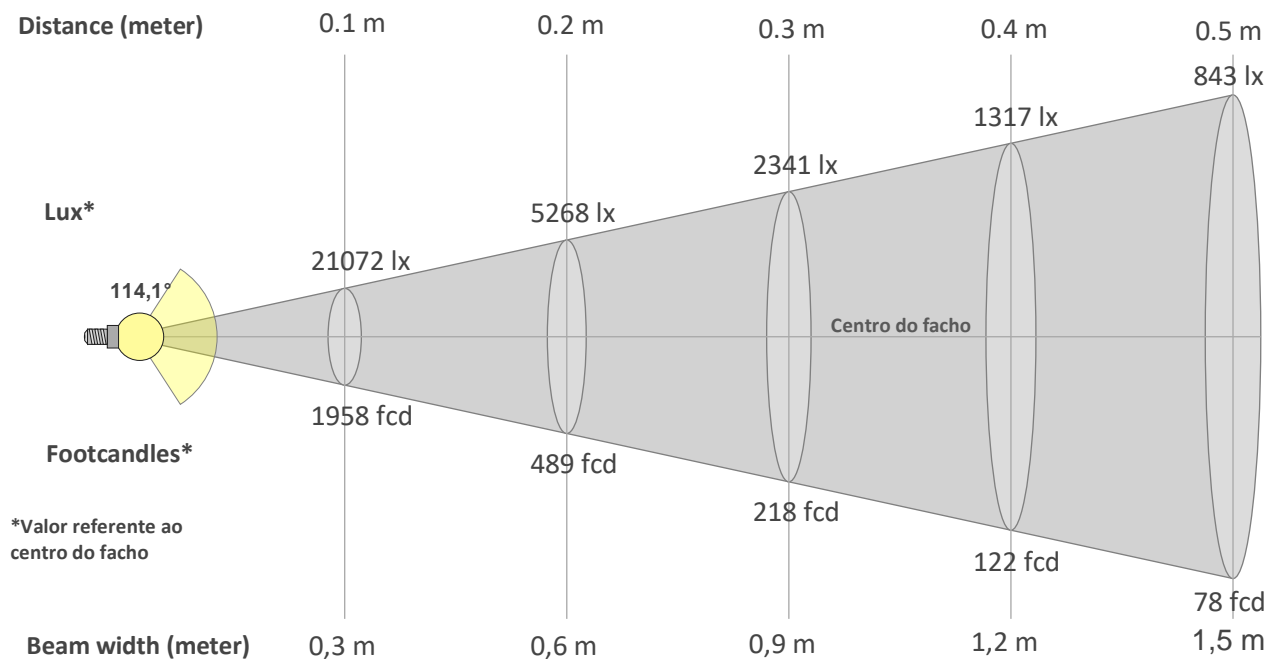
**Coeficiente de utilização**

| 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                   | 108  | 103 | 99  | 95  | 105 | 101 | 96  | 93  | 96  | 93  | 90  | 92  | 89  | 87  | 88  | 86  | 84  | 81 |
| 2                   | 98   | 89  | 82  | 77  | 95  | 87  | 81  | 76  | 84  | 78  | 73  | 80  | 75  | 72  | 77  | 73  | 70  | 67 |
| 3                   | 89   | 78  | 70  | 63  | 86  | 77  | 69  | 63  | 73  | 67  | 61  | 70  | 65  | 60  | 68  | 63  | 59  | 57 |
| 4                   | 82   | 69  | 60  | 54  | 79  | 68  | 59  | 53  | 65  | 58  | 52  | 63  | 56  | 51  | 60  | 55  | 50  | 48 |
| 5                   | 75   | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 58  | 51  | 45  | 56  | 49  | 44  | 54  | 48  | 44  | 41 |
| 6                   | 69   | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 39  | 51  | 44  | 39  | 49  | 43  | 38  | 36 |
| 7                   | 64   | 50  | 41  | 35  | 62  | 49  | 41  | 35  | 48  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 32 |
| 8                   | 60   | 46  | 37  | 31  | 58  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 30  | 28 |
| 9                   | 56   | 42  | 34  | 28  | 54  | 41  | 34  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 26 |
| 10                  | 52   | 39  | 31  | 26  | 51  | 38  | 31  | 25  | 37  | 30  | 25  | 36  | 30  | 25  | 35  | 29  | 25  | 23 |

**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 |
| 211lx   | 53lx   | 23lx   | 13lx   | 8lx    | 6lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    |
| 19,6fcd | 4,9fcd | 2,2fcd | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 211  | 209 | 206 | 202 | 195 | 187 | 178 | 166 | 155 | 142 | 126 | 110 | 94  | 76  | 59  | 40  | 24  | 10  | 1   | 1   |
| 100% | 99% | 98% | 96% | 93% | 89% | 84% | 79% | 74% | 67% | 60% | 52% | 45% | 36% | 28% | 19% | 11% | 5%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 211  | 210  | 208 | 202 | 196 | 189 | 178 | 168 | 155 | 142 | 127 | 112 | 96  | 80  | 63  | 46  | 31  | 17  | 7   | 4   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 79% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 22% | 15% | 8%  | 3%  | 2%  |

### Intensities in 180° c-plane

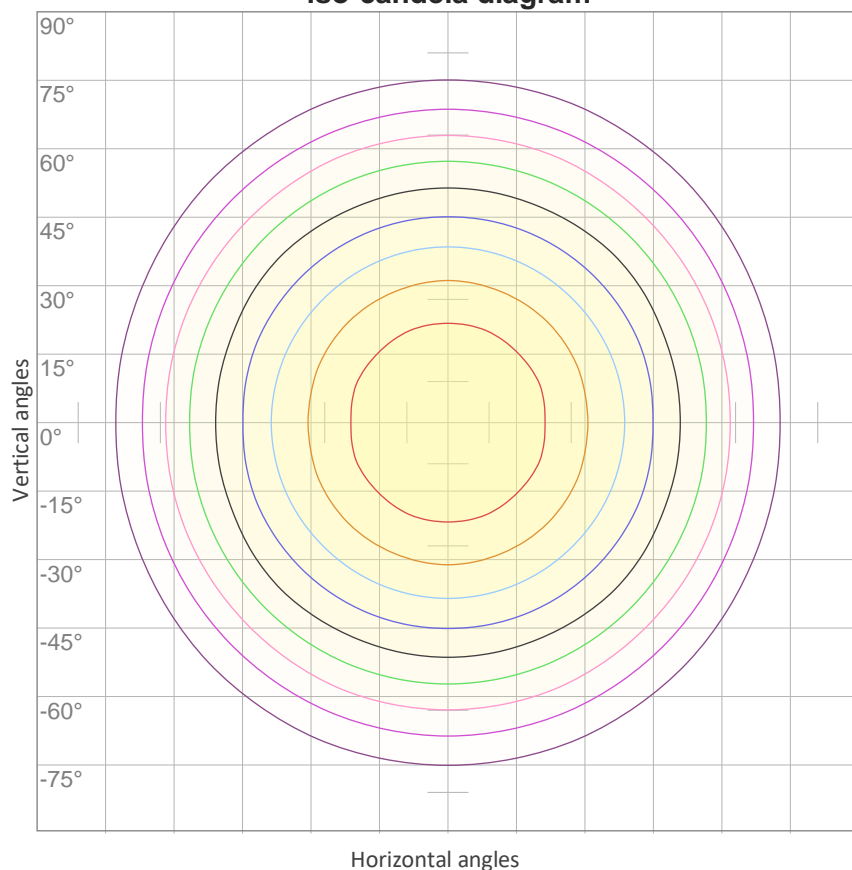
| 0°   | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 211  | 209 | 206 | 202 | 195 | 187 | 178 | 166 | 155 | 142 | 126 | 110 | 94  | 76  | 59  | 40  | 24  | 10  | 1   | 1   |
| 100% | 99% | 98% | 96% | 93% | 89% | 84% | 79% | 74% | 67% | 60% | 52% | 45% | 36% | 28% | 19% | 11% | 5%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 211  | 210  | 208 | 202 | 196 | 189 | 178 | 168 | 155 | 142 | 127 | 112 | 96  | 80  | 63  | 46  | 31  | 17  | 7   | 4   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 79% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 22% | 15% | 8%  | 3%  | 2%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 114,1°         | 164,7°          | 178,9°            | 76,0%                        | 51,5%                       |

**iso-candela diagram**



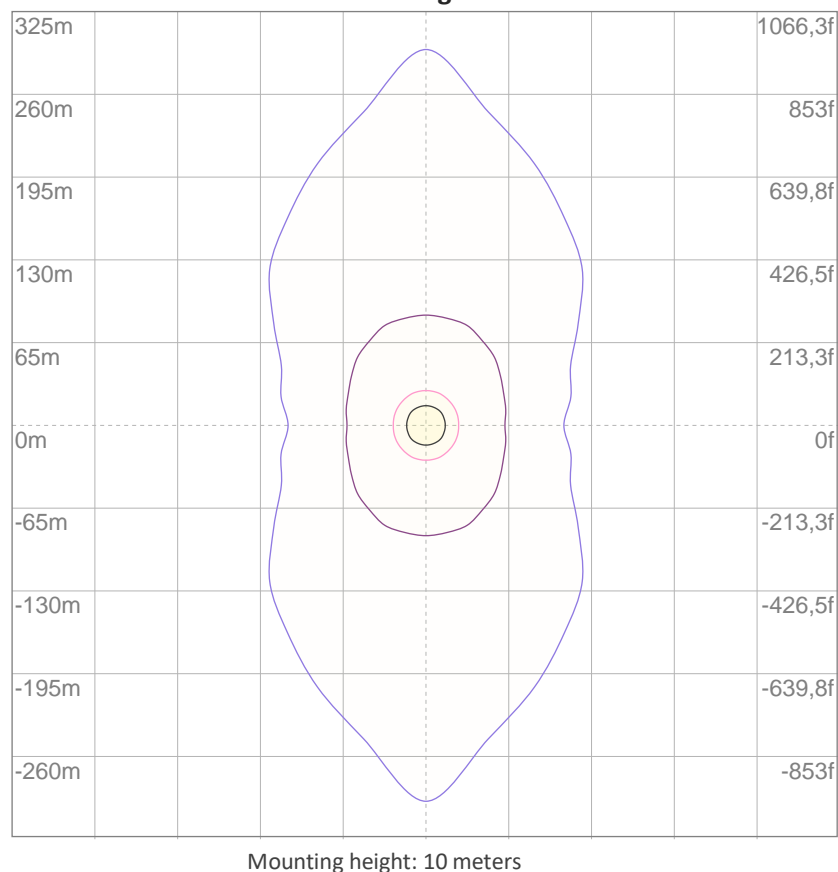
|     |        |
|-----|--------|
| 10% | 21 cd  |
| 20% | 42 cd  |
| 30% | 63 cd  |
| 40% | 84 cd  |
| 50% | 105 cd |
| 60% | 126 cd |
| 70% | 148 cd |
| 80% | 169 cd |
| 90% | 190 cd |

Conditions:

Number of c-planes: 16

Candela at center: 211 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 63,2m lx |
| 5%  | 0,105 lx |
| 10% | 0,211 lx |
| 30% | 0,632 lx |
| 50% | 1,05 lx  |

Conditions:

Number of c-planes: 16

Lux at center: 2,11 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: 0,920 A**

**Frequência: 0 Hz**

**FP: 0,99**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**