

## SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 15Wm 2400K 95 1M



Fluxo luminoso – 626 lm/m

Potência – 15,5 W/m

Intensidade pico – 254cd

CCT – 2457K

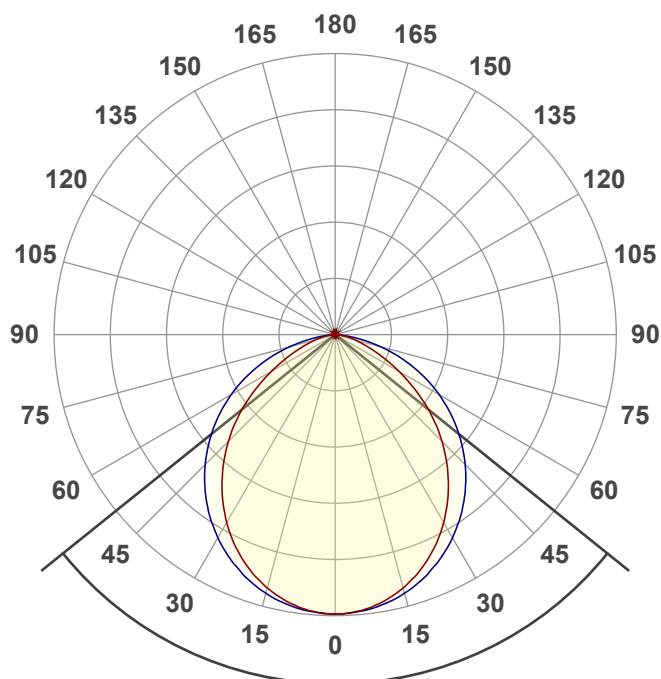


IRC – 96,3

Coordenada CIE 1931 – x- 0,487 y- 0,424

Data do ensaio

30/08/2024 09:45:04



Facho de abertura

**102,4°**

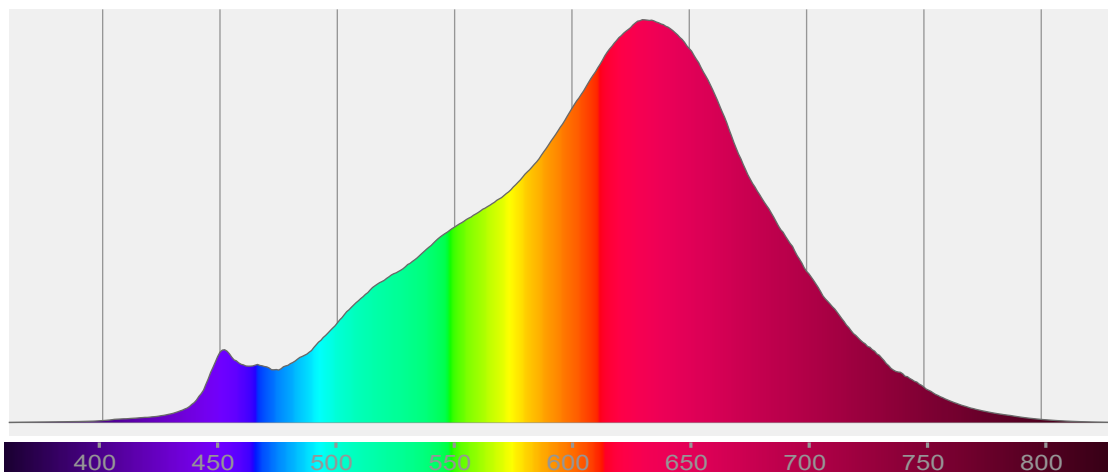
**Rf 92,6**

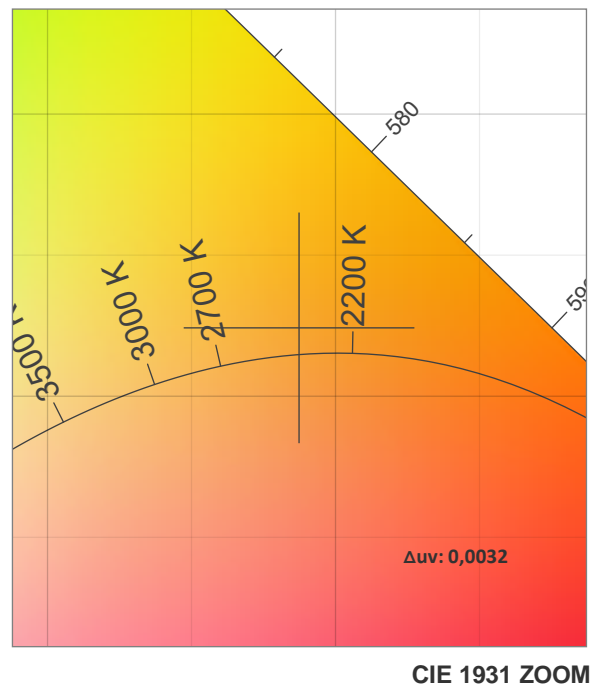
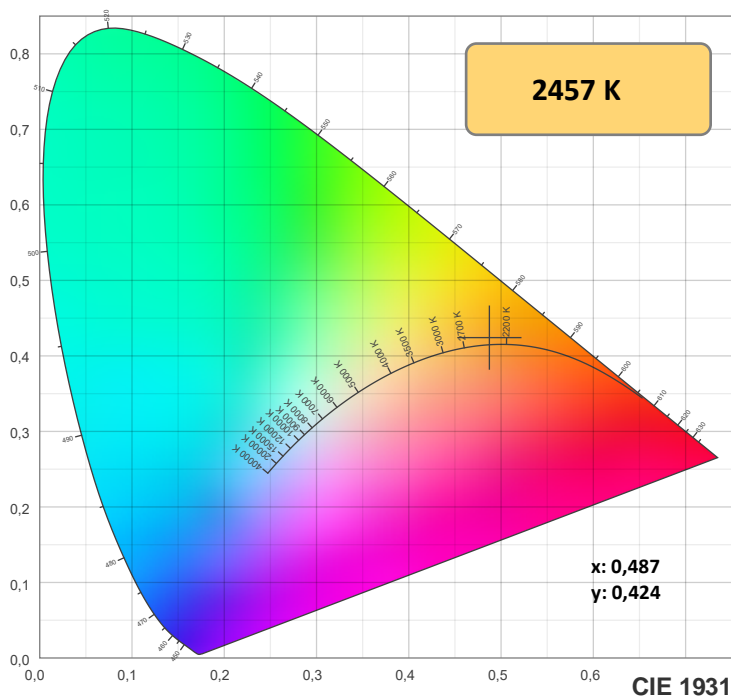
Fidelity index Rf

**Rg 96,2**

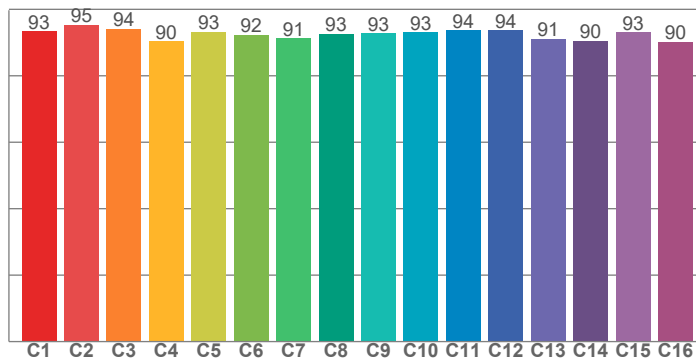
Gamut index Rg

|         |                | Shifts (%) |     |
|---------|----------------|------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma     | Hue |
| 1       | 93             | -3%        | 1%  |
| 2       | 95             | -2%        | 0%  |
| 3       | 94             | -3%        | -1% |
| 4       | 90             | -6%        | -3% |
| 5       | 93             | -6%        | 1%  |
| 6       | 92             | -4%        | 4%  |
| 7       | 91             | -4%        | 4%  |
| 8       | 93             | -1%        | 5%  |
| 9       | 93             | 0%         | 4%  |
| 10      | 93             | 0%         | 4%  |
| 11      | 94             | 3%         | 4%  |
| 12      | 94             | 2%         | -2% |
| 13      | 91             | 0%         | -8% |
| 14      | 90             | 0%         | -6% |
| 15      | 93             | -3%        | 0%  |
| 16      | 90             | -2%        | -6% |

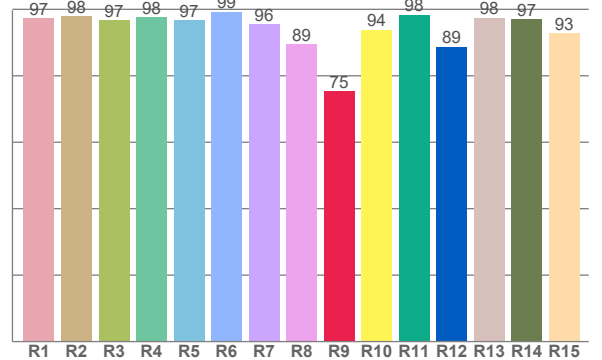




TM-30: 92,6



CRI: 96,3 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,3 | 97,9 | 96,7 | 97,7 | 96,8 | 99,3 | 95,6 | 89,5 | 75,4 | 93,8 | 98,4 | 88,8 | 97,5 | 96,9 | 92,8 |

TM30 valores C. 16 valores extraídos dos 99.

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

## 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                             |
| 2457 K             | 96,3                        | 75,4                          | 92,6           | 96,2        | 87,9                | 0,487                      | 0,424                      | 0,274             | 0,358             | 0,0032                          |

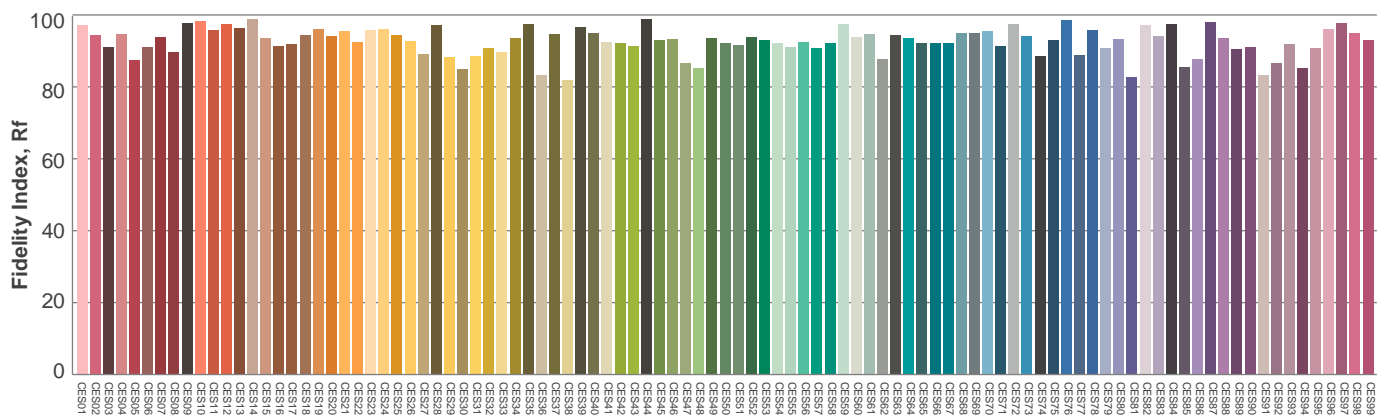
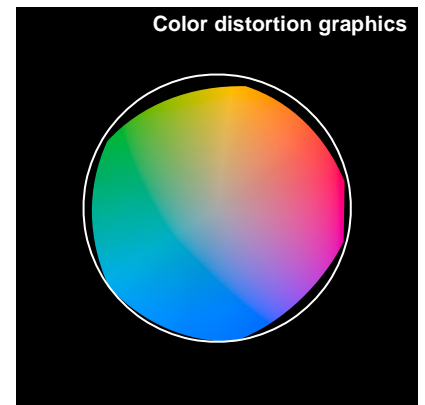
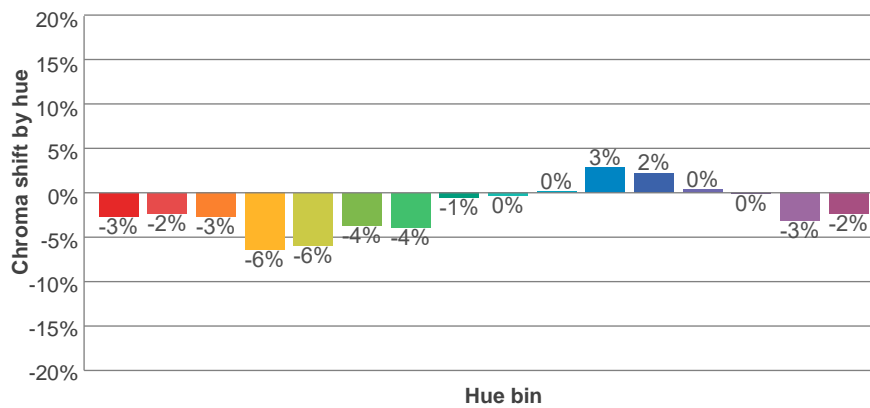
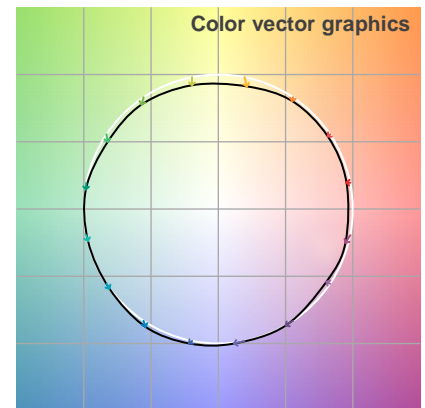
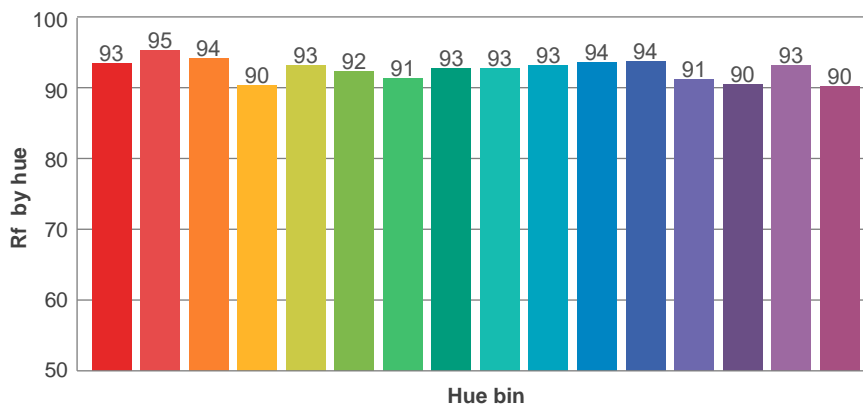
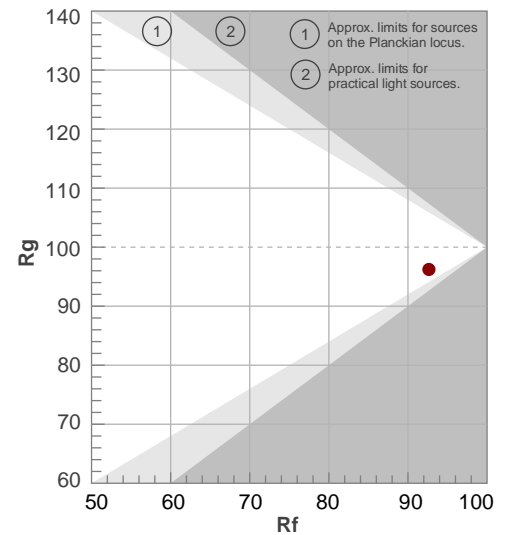
**Rf 92,6**

Fidelity index Rf

**Rg 96,2**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | -3%        | 1%  |
| 2       | 95             | -2%        | 0%  |
| 3       | 94             | -3%        | -1% |
| 4       | 90             | -6%        | -3% |
| 5       | 93             | -6%        | 1%  |
| 6       | 92             | -4%        | 4%  |
| 7       | 91             | -4%        | 4%  |
| 8       | 93             | -1%        | 5%  |
| 9       | 93             | 0%         | 4%  |
| 10      | 93             | 0%         | 4%  |
| 11      | 94             | 3%         | 4%  |
| 12      | 94             | 2%         | -2% |
| 13      | 91             | 0%         | -8% |
| 14      | 90             | 0%         | -6% |
| 15      | 93             | -3%        | 0%  |
| 16      | 90             | -2%        | -6% |



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

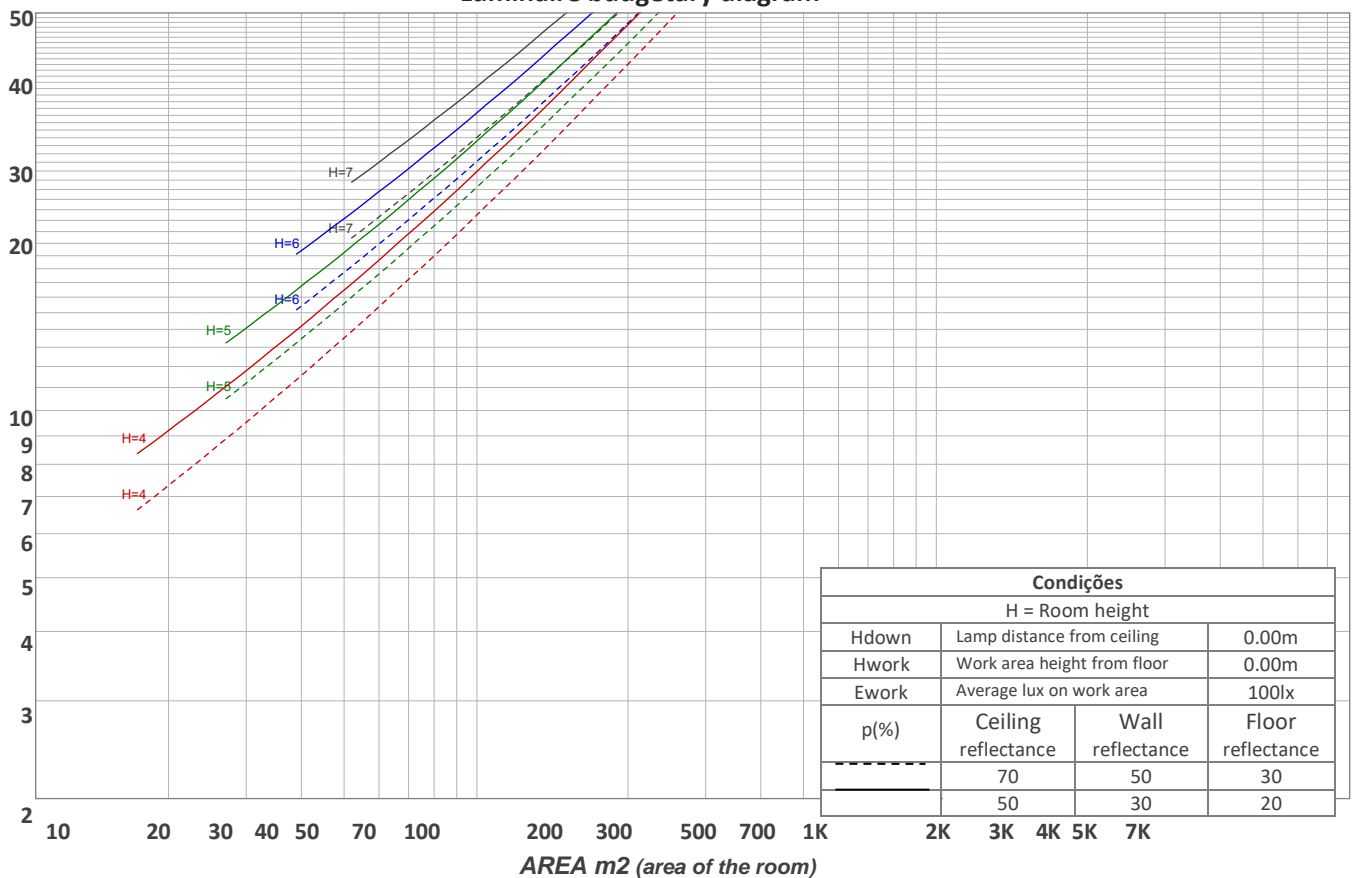
|   |     |  |      |      |      |      |   |      |      |      |      |
|---|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling   |     | 70   | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls   |     | 50   | 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  | 19,4   | 20,5 | 19,6 | 20,8 | 21,1 | 21,2                                    | 22,3 | 21,4 | 22,6 | 22,8 |
|   | 3H  | 20,0   | 21,2 | 20,4 | 21,5 | 21,7 | 22,6                                    | 23,8 | 23,0 | 24,0 | 24,2 |
|   | 4H  | 20,2   | 21,4 | 20,6 | 21,6 | 21,9 | 23,1                                    | 24,2 | 23,5 | 24,5 | 24,8 |
|   | 6H  | 20,4   | 21,4 | 20,8 | 21,7 | 22,1 | 23,5                                    | 24,5 | 23,8 | 24,8 | 25,1 |
|   | 8H  | 20,5   | 21,4 | 20,8 | 21,7 | 22,1 | 23,5                                    | 24,5 | 23,9 | 24,8 | 25,2 |
|   | 12H | 20,4   | 21,4 | 20,8 | 21,7 | 22,1 | 23,5                                    | 24,5 | 23,9 | 24,8 | 25,3 |
| 4H  | 2H  | 20,0   | 21,1 | 20,4 | 21,4 | 21,7 | 21,5                                    | 22,6 | 21,9 | 22,9 | 23,1 |
|   | 3H  | 20,9   | 21,8 | 21,3 | 22,2 | 22,6 | 23,1                                    | 24,1 | 23,5 | 24,4 | 24,9 |
|   | 4H  | 21,1   | 22,0 | 21,6 | 22,4 | 22,9 | 23,7                                    | 24,6 | 24,2 | 25,0 | 25,5 |
|   | 6H  | 21,3   | 22,1 | 21,8 | 22,5 | 22,9 | 24,1                                    | 24,9 | 24,6 | 25,3 | 25,7 |
|   | 8H  | 21,4   | 22,1 | 21,9 | 22,5 | 22,9 | 24,2                                    | 24,9 | 24,7 | 25,3 | 25,7 |
|   | 12H | 21,4   | 22,0 | 21,9 | 22,4 | 22,9 | 24,2                                    | 24,8 | 24,7 | 25,3 | 25,7 |
| 8H  | 4H  | 21,3   | 22,1 | 21,9 | 22,5 | 22,8 | 23,7                                    | 24,5 | 24,3 | 24,9 | 25,2 |
|   | 6H  | 21,6   | 22,2 | 22,1 | 22,7 | 23,2 | 24,2                                    | 24,8 | 24,7 | 25,3 | 25,8 |
|   | 8H  | 21,7   | 22,2 | 22,3 | 22,8 | 23,4 | 24,4                                    | 24,9 | 24,9 | 25,4 | 26,0 |
|   | 12H | 21,8   | 22,2 | 22,4 | 22,7 | 23,3 | 24,4                                    | 24,9 | 25,0 | 25,4 | 26,0 |
| 12H   | 4H  | 21,3   | 22,0 | 21,8 | 22,4 | 22,9 | 23,7                                    | 24,3 | 24,2 | 24,8 | 25,2 |
|   | 6H  | 21,7   | 22,2 | 22,2 | 22,7 | 23,3 | 24,2                                    | 24,7 | 24,8 | 25,2 | 25,9 |
|   | 8H  | 21,8   | 22,2 | 22,4 | 22,7 | 23,3 | 24,4                                    | 24,8 | 25,0 | 25,3 | 25,9 |
| Variation of the observer position for the luminaire distance S |     |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 0,2 / -0,3                                     |      |      |      |      | 0,1 / -0,1                              |      |      |      |      |
| S = 1.5H  |     | 0,5 / -0,9                                     |      |      |      |      | 0,2 / -0,3                              |      |      |      |      |
| S = 2.0H  |     | 1,1 / -1,7                                     |      |      |      |      | 0,7 / -0,8                              |      |      |      |      |
| Standard table  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Correction summand  |     | n/a  |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 626 lm total luminous flux |     |  |      |      |      |      |   |      |      |      |      |

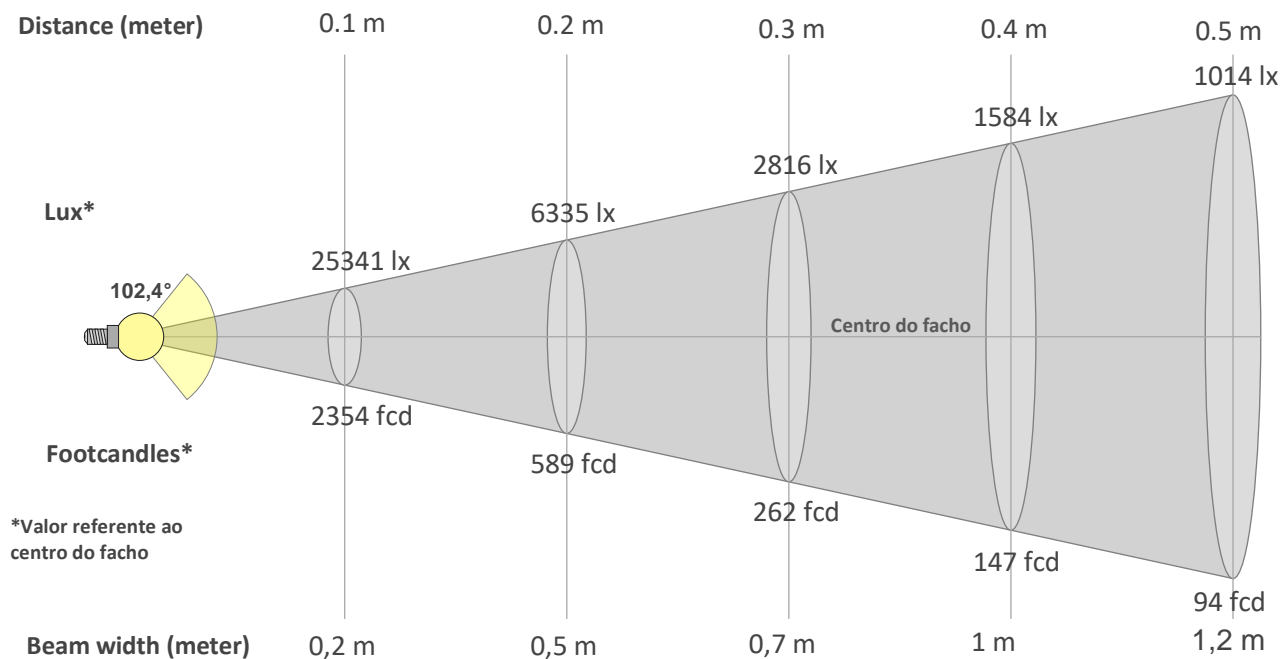
**Coeficiente de utilização**

| 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 | 102 | 102 | 102 | 100 |
| 1                   | 110  | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 86  |
| 2                   | 100  | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 72  |
| 3                   | 92   | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 75  | 69  | 65  | 72  | 68  | 64  | 62  |
| 4                   | 84   | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 53  |
| 5                   | 78   | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 46  |
| 6                   | 72   | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41  |
| 7                   | 67   | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 38  | 36  |
| 8                   | 62   | 49  | 41  | 35  | 61  | 48  | 41  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 34  | 33  |
| 9                   | 58   | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |
| 10                  | 55   | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 38  | 33  | 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 |
| 253lx   | 63lx   | 28lx   | 16lx   | 10lx   | 7lx    | 5lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    |
| 23,5fcd | 5,9fcd | 2,6fcd | 1,5fcd | 0,9fcd | 0,7fcd | 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 |

### 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 253  | 252 | 246 | 238 | 227 | 213 | 197 | 179 | 159 | 137 | 114 | 90  | 67  | 46  | 30  | 19  | 10  | 3   | 0   | 0   |
| 100% | 99% | 97% | 94% | 89% | 84% | 78% | 70% | 63% | 54% | 45% | 36% | 26% | 18% | 12% | 7%  | 4%  | 1%  | 0%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 253  | 252  | 249 | 243 | 235 | 225 | 213 | 199 | 184 | 167 | 149 | 129 | 109 | 87  | 65  | 43  | 22  | 6   | 0   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 84% | 79% | 72% | 66% | 59% | 51% | 43% | 35% | 26% | 17% | 9%  | 2%  | 0%  | 0%  |

### Intensities in 180° c-plane

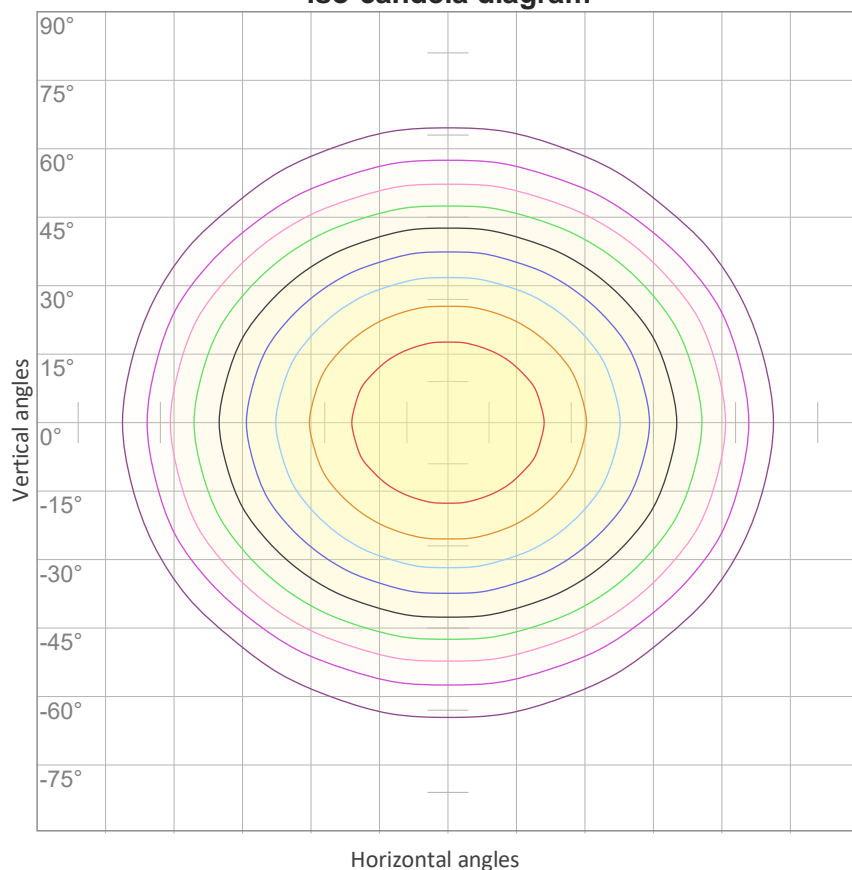
| 0°   | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 253  | 252 | 246 | 238 | 227 | 213 | 197 | 179 | 159 | 137 | 114 | 90  | 67  | 46  | 30  | 19  | 10  | 3   | 0   | 0   |
| 100% | 99% | 97% | 94% | 89% | 84% | 78% | 70% | 63% | 54% | 45% | 36% | 26% | 18% | 12% | 7%  | 4%  | 1%  | 0%  | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 253  | 252  | 249 | 243 | 235 | 225 | 213 | 199 | 184 | 167 | 149 | 129 | 109 | 87  | 65  | 43  | 22  | 6   | 0   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 84% | 79% | 72% | 66% | 59% | 51% | 43% | 35% | 26% | 17% | 9%  | 2%  | 0%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 102,4°         | 150°            | 167,2°            | 83,8%                        | 59,0%                       |

**iso-candela diagram**



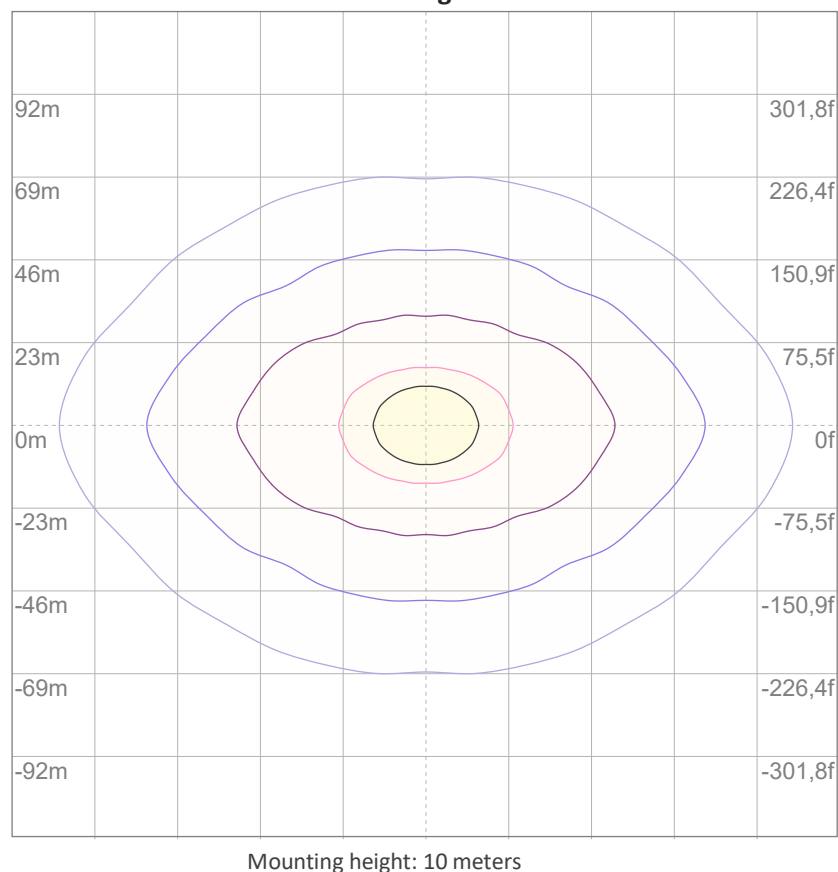
|     |        |
|-----|--------|
| 10% | 25 cd  |
| 20% | 51 cd  |
| 30% | 76 cd  |
| 40% | 101 cd |
| 50% | 127 cd |
| 60% | 152 cd |
| 70% | 177 cd |
| 80% | 203 cd |
| 90% | 228 cd |

Conditions:

Number of c-planes: 16

Candela at center: 253 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 76,0m lx |
| 5%  | 0,127 lx |
| 10% | 0,253 lx |
| 30% | 0,760 lx |
| 50% | 1,27 lx  |

Conditions:

Number of c-planes: 16

Lux at center: 2,53 lx

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

**Potência**



**Vttagem: 12,0 V**

**Corrente: 1,29 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**