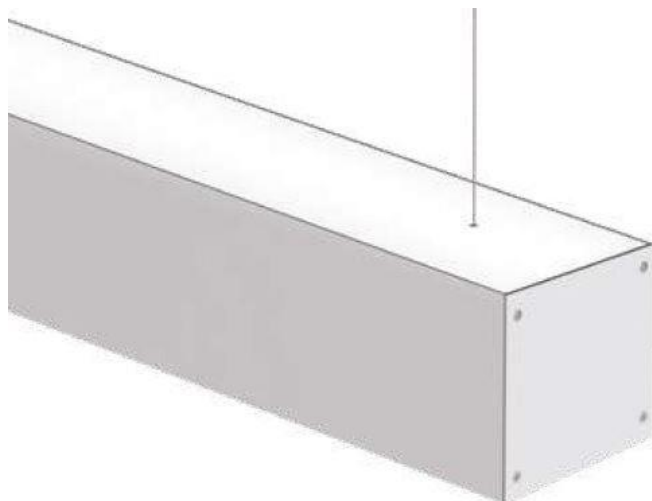


## K36 SLED9168 BRANCA BARRA 23WM 3500K 90 - 1m



Luminária linear pendente com iluminação difusa up light. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 966 lm/m

Potência – 24,5 W/m

Intensidade pico – 357cd

CCT – 3418K



IRC – 94,0

Coordenada CIE 1931 – x- 0,409 y- 0,389

A x L - 30x35

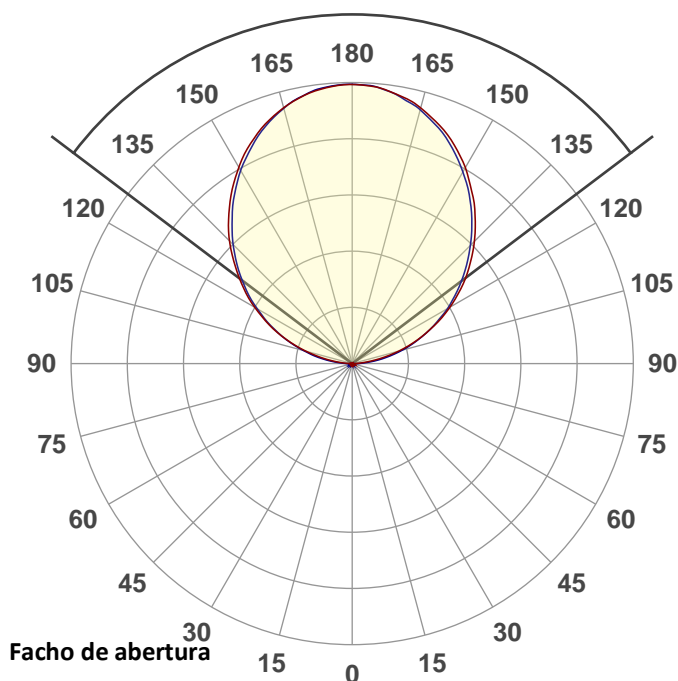
Peso - 0,5kg/m

IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

**105,8°**



Data do ensaio

23/07/2021 08:47:14

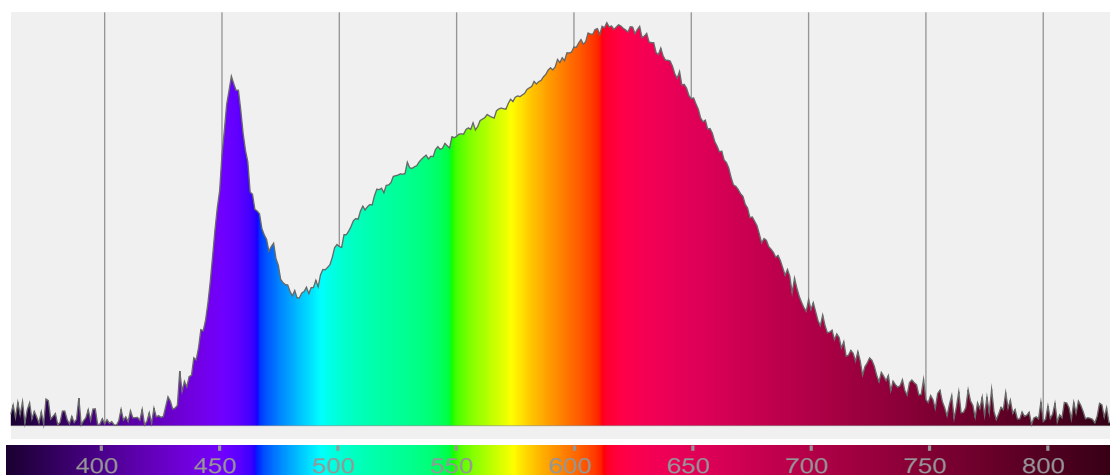
**Rf 90,6**

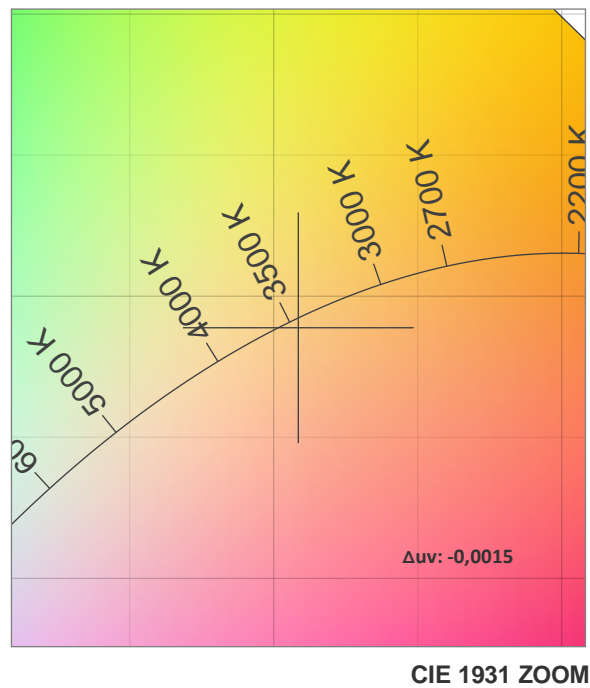
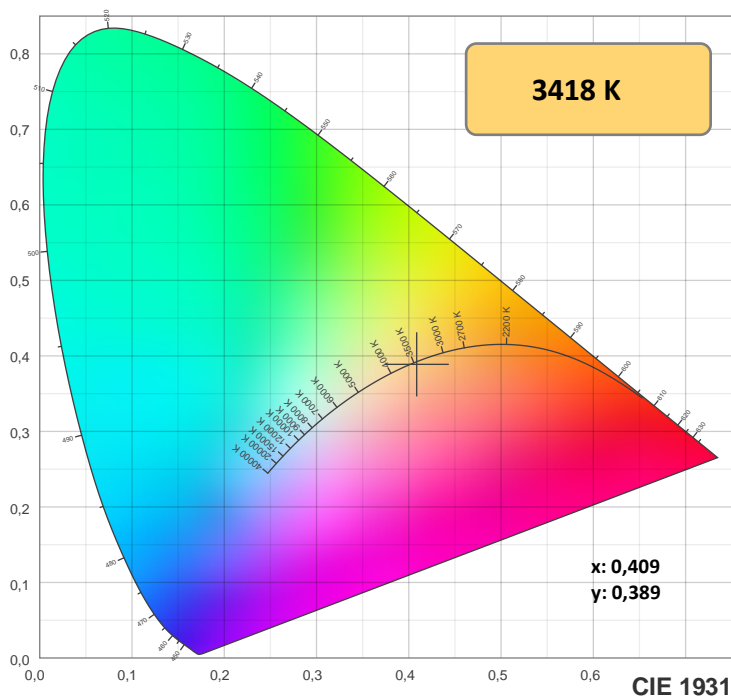
Fidelity index Rf

**Rg 98,3**

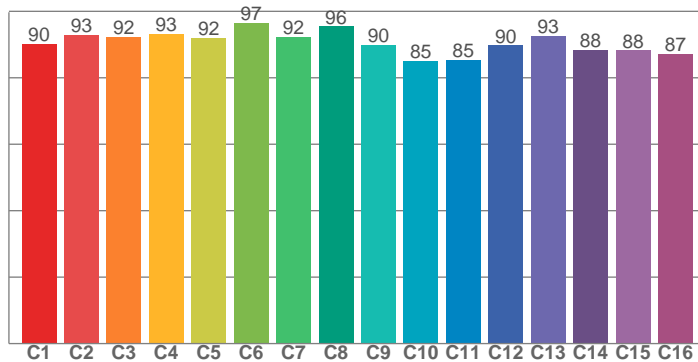
Gamut index Rg

|         |                | Shifts (%) |     |
|---------|----------------|------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma     | Hue |
| 1       | 90             | -5%        | 1%  |
| 2       | 93             | -3%        | 2%  |
| 3       | 92             | -1%        | 3%  |
| 4       | 93             | -2%        | 0%  |
| 5       | 92             | -5%        | 1%  |
| 6       | 97             | 0%         | 0%  |
| 7       | 92             | -4%        | 2%  |
| 8       | 96             | -2%        | 2%  |
| 9       | 90             | -2%        | 7%  |
| 10      | 85             | 0%         | 10% |
| 11      | 85             | 3%         | 9%  |
| 12      | 90             | 7%         | 1%  |
| 13      | 93             | 2%         | -5% |
| 14      | 88             | 4%         | -8% |
| 15      | 88             | -1%        | -6% |
| 16      | 87             | -2%        | -6% |

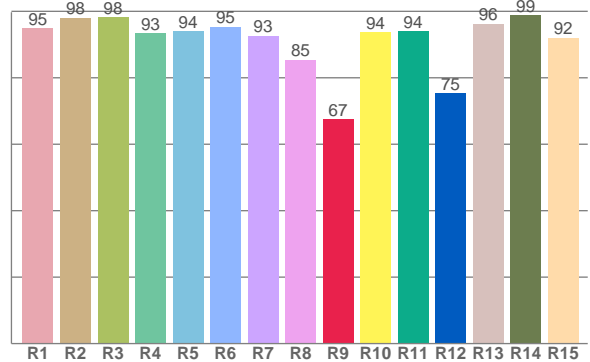




TM-30: 90,6



CRI: 94,0 (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 | 98,1 | 98,3 | 93,4 | 93,9 | 95,4 | 92,7 | 85,5 | 67,4 | 93,8 | 94,0 | 75,4 | 96,3 | 98,8 | 92,1 |

TM30 valores C. 16 valores extraídos dos 99.

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,3 | 93,0 | 92,3 | 93,2 | 92,0 | 96,6 | 92,3 | 95,5 | 90,0 | 85,0 | 85,3 | 89,8 | 92,7 | 88,4 | 88,3 | 87,2 |

## 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                 | $\Delta uv$                     |
| 3418 K             | 94,0                        | 67,4                          | 90,6           | 98,3        | 91,8                | 0,409                      | 0,389                      | 0,239             | 0,341             | -0,0015                         |

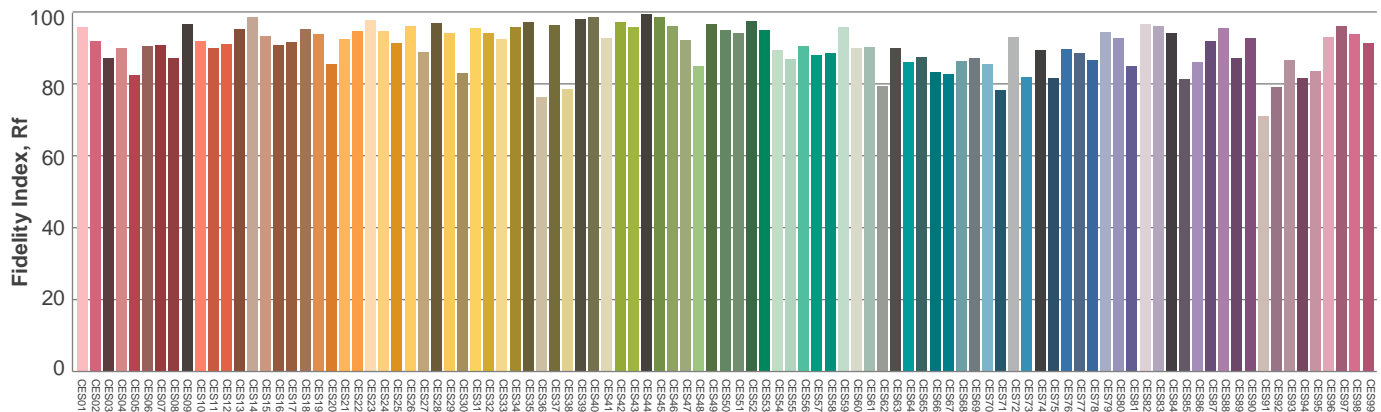
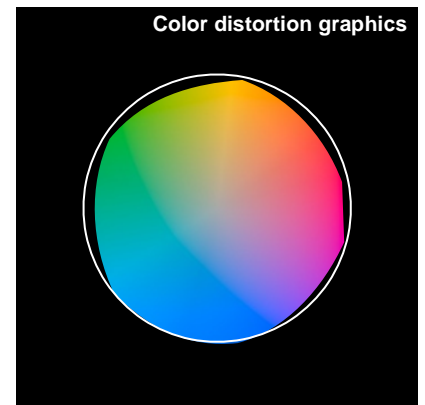
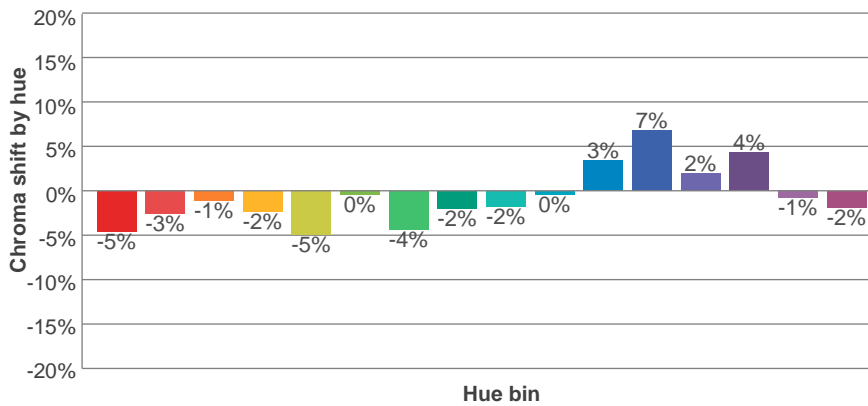
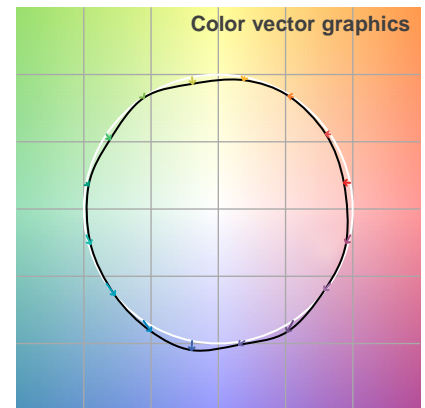
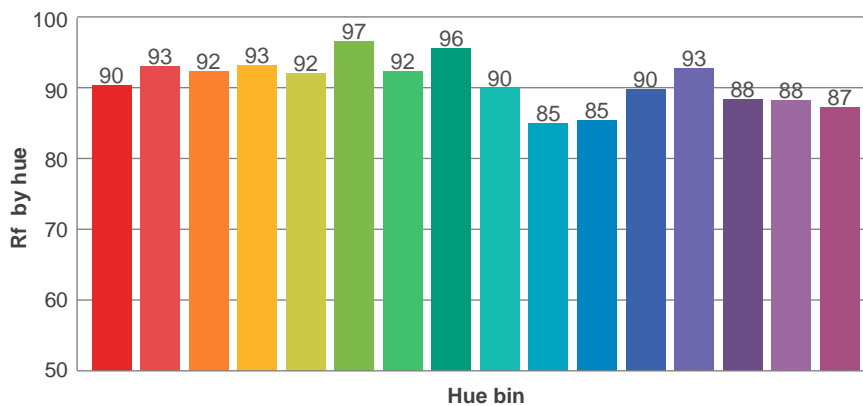
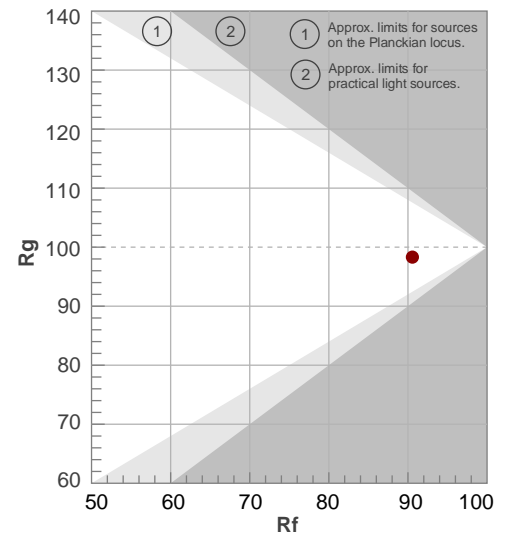
**Rf 90,6**

Fidelity index Rf

**Rg 98,3**

Gamut index Rg

| Hue Bin | R <sub>i</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 90             | -5%        | 1%  |
| 2       | 93             | -3%        | 2%  |
| 3       | 92             | -1%        | 3%  |
| 4       | 93             | -2%        | 0%  |
| 5       | 92             | -5%        | 1%  |
| 6       | 97             | 0%         | 0%  |
| 7       | 92             | -4%        | 2%  |
| 8       | 96             | -2%        | 2%  |
| 9       | 90             | -2%        | 7%  |
| 10      | 85             | 0%         | 10% |
| 11      | 85             | 3%         | 9%  |
| 12      | 90             | 7%         | 1%  |
| 13      | 93             | 2%         | -5% |
| 14      | 88             | 4%         | -8% |
| 15      | 88             | -1%        | -6% |
| 16      | 87             | -2%        | -6% |



Avaliação todas as amostras de cores

|   |  |     |     |     |     |   |     |     |     |     |
|---|--|-----|-----|-----|-----|---|-----|-----|-----|-----|
| 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 |     |     |     |     |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a   | n/a  | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| Variation of the observer position for the luminaire distance S |  |     |     |     |     |   |     |     |     |     |
| n/a   | n/a  |     |     |     |     | n/a                                     |     |     |     |     |
| n/a   | n/a  |     |     |     |     | n/a                                     |     |     |     |     |
| n/a   | n/a  |     |     |     |     | n/a                                     |     |     |     |     |
| Standard table  | n/a  |     |     |     |     | n/a                                     |     |     |     |     |
| Correction summand  | n/a  |     |     |     |     | n/a                                     |     |     |     |     |
| Corrected glare indices referring to 966 lm total luminous flux |  |     |     |     |     |   |     |     |     |     |

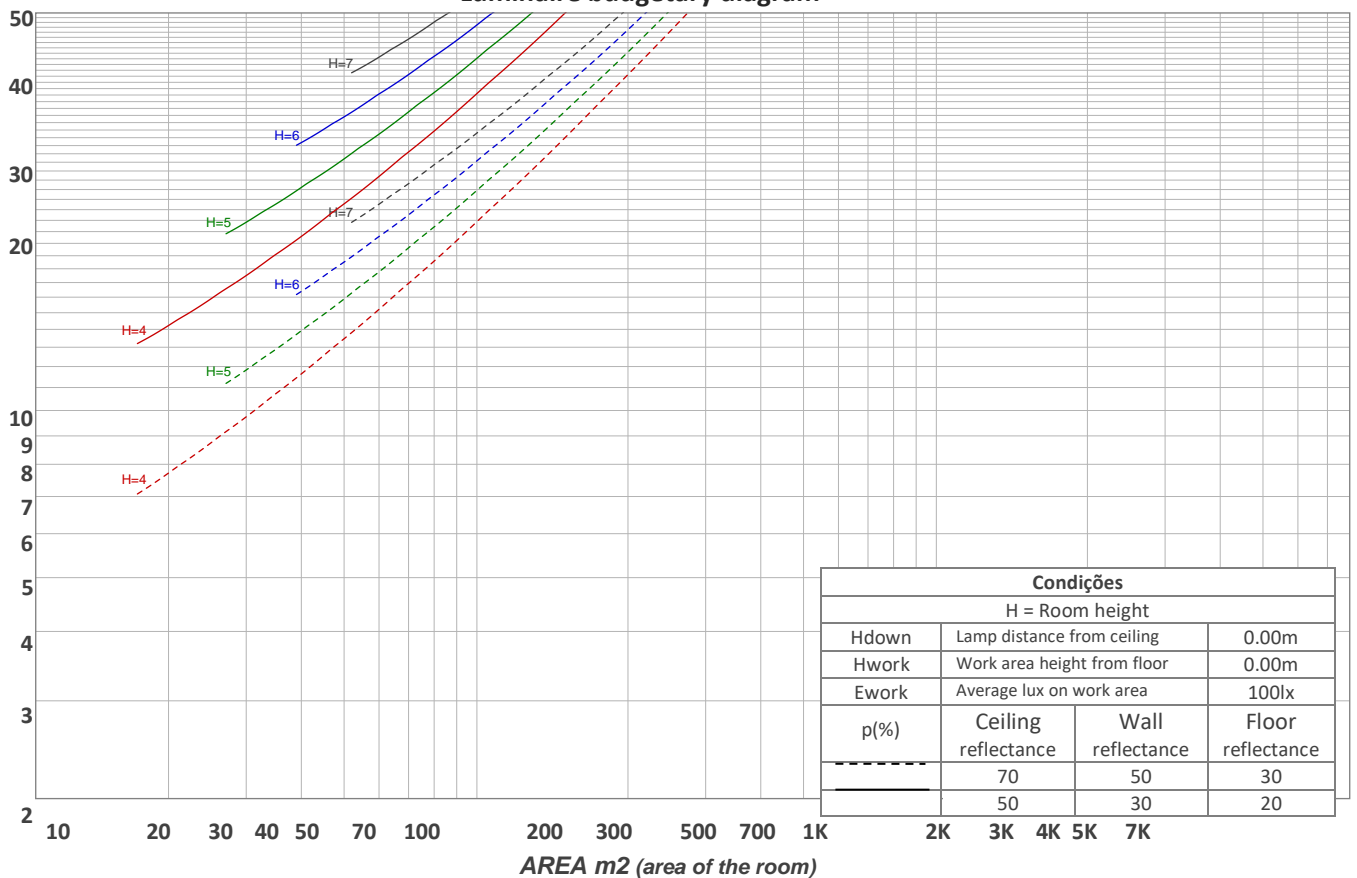
[www.misterled.com.br](http://www.misterled.com.br)

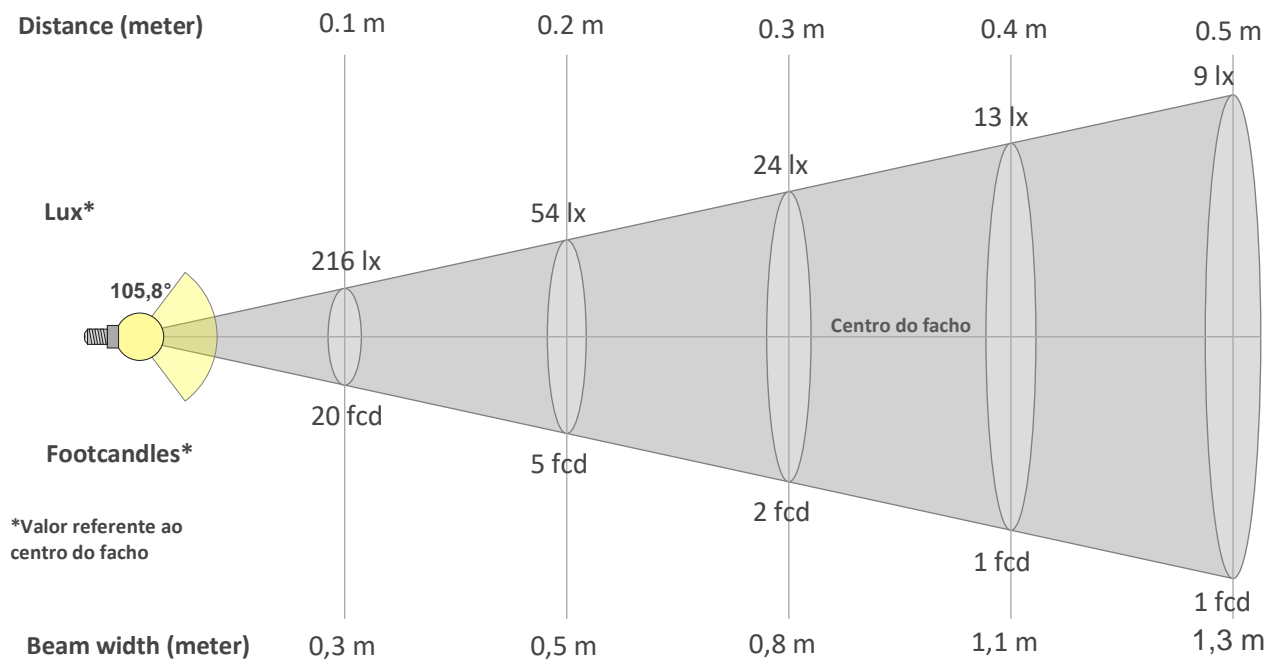
**Coeficiente de utilização**

| 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                   | 96   | 96 | 96 | 96 | 82 | 82 | 82 | 82 | 56 | 56 | 56 | 33 | 33 | 33 | 11 | 11 | 11 | 1 |
| 1                   | 87   | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 49 | 47 | 45 | 28 | 28 | 27 | 10 | 9  | 9  | 1 |
| 2                   | 79   | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 43 | 40 | 37 | 25 | 23 | 22 | 8  | 8  | 8  | 1 |
| 3                   | 72   | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 22 | 20 | 19 | 7  | 7  | 6  | 0 |
| 4                   | 66   | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 7  | 6  | 5  | 0 |
| 5                   | 60   | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 6  | 5  | 5  | 0 |
| 6                   | 55   | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 12 | 5  | 5  | 4  | 0 |
| 7                   | 50   | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 20 | 17 | 14 | 12 | 10 | 5  | 4  | 3  | 0 |
| 8                   | 47   | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 15 | 12 | 10 | 9  | 4  | 4  | 3  | 0 |
| 9                   | 43   | 32 | 25 | 20 | 37 | 28 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  | 0 |
| 10                  | 40   | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 4  | 3  | 2  | 0 |

**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 |
| 2lx    | 1lx    | 0lx   | 0lx    | 0lx    | 0lx    | 0lx  | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    |
| 0,2fcd | 0,1fcd | 0fcd  | 0fcd   | 0fcd   | 0fcd   | 0fcd | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 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°  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 2    | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 1   | 1   | 1   | 2   | 2    | 14   |
| 100% | 99% | 96% | 92% | 83% | 81% | 86% | 93% | 81% | 80% | 72% | 72% | 78% | 82% | 65% | 61% | 55% | 74% | 108% | 638% |

### 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°  |
|------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 2    | 2   | 2   | 2   | 2    | 2   | 2   | 1   | 2   | 1   | 2   | 2   | 2   | 2   | 1   | 2   | 1   | 2    | 7    | 22   |
| 100% | 98% | 82% | 88% | 116% | 90% | 92% | 67% | 71% | 68% | 74% | 74% | 79% | 72% | 66% | 78% | 65% | 109% | 346% | 997% |

### Intensities in 180° c-plane

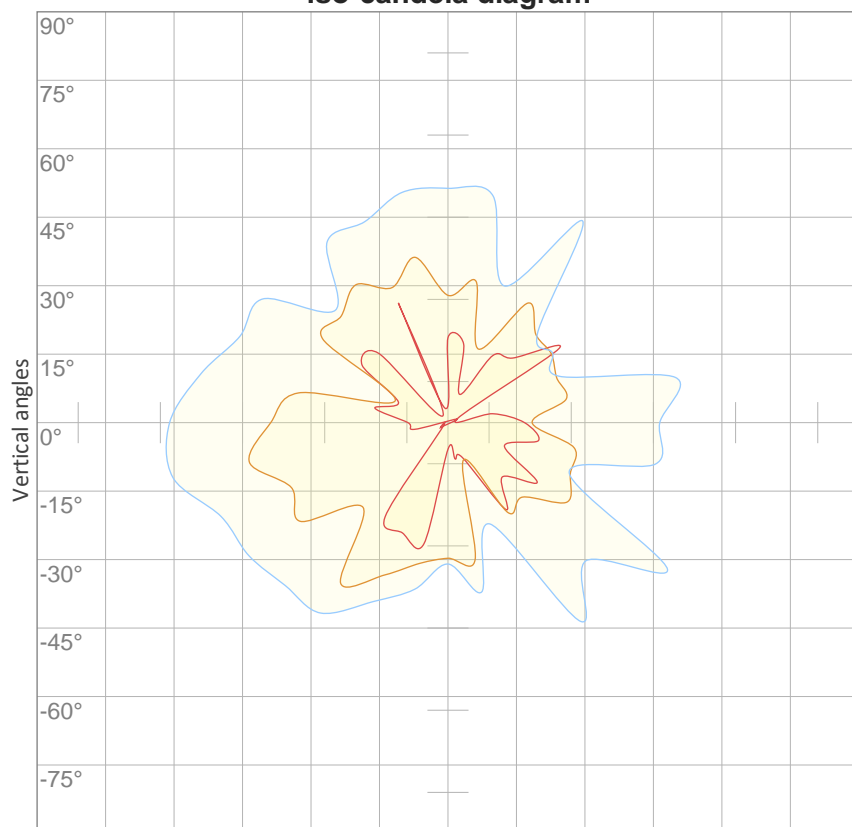
| 0°   | 5°   | 10° | 15°  | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95°  |
|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 2    | 2    | 2   | 2    | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 1   | 1   | 1   | 1   | 2   | 14   |
| 100% | 105% | 90% | 100% | 89% | 93% | 98% | 89% | 84% | 73% | 71% | 80% | 80% | 86% | 66% | 63% | 62% | 64% | 85% | 645% |

### 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°  |
|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 2    | 2    | 2    | 2   | 2   | 3    | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 1   | 1   | 2   | 1   | 2   | 7    | 21   |
| 100% | 112% | 114% | 96% | 94% | 116% | 85% | 84% | 93% | 98% | 72% | 85% | 84% | 67% | 60% | 75% | 59% | 90% | 337% | 978% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 105,8°         | 161,7°          | 176°              | 77,9%                        | 53,8%                       |

**iso-candela diagram**



Horizontal angles

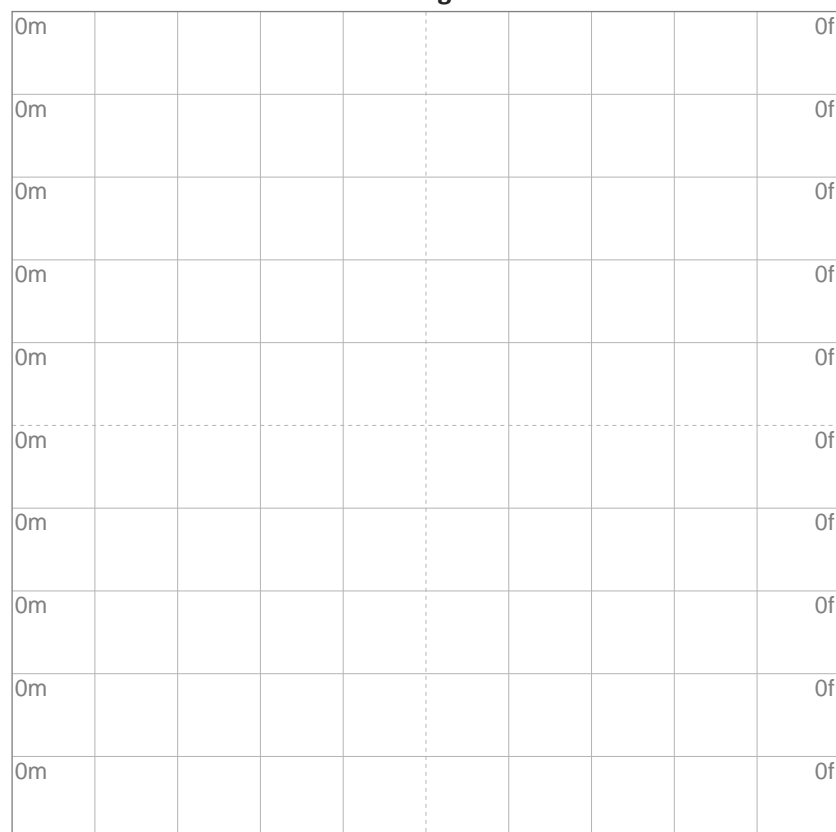
|     |      |
|-----|------|
| 10% | 0 cd |
| 20% | 0 cd |
| 30% | 1 cd |
| 40% | 1 cd |
| 50% | 1 cd |
| 60% | 1 cd |
| 70% | 2 cd |
| 80% | 2 cd |
| 90% | 2 cd |

Conditions:

Number of c-planes: 16

Candela at center: 2 cd

**iso-lux diagram**



Mounting height: 10 meters

|     |          |
|-----|----------|
| 3%  | 648u lx  |
| 5%  | 1,08m lx |
| 10% | 2,16m lx |
| 30% | 6,48m lx |
| 50% | 10,8m lx |

Conditions:

Number of c-planes: 16

Lux at center: 21,6m 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: 2,04 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**