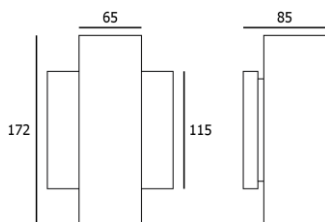




**Dimensiones (mm)**

**Largo: 65, Ancho: 85**  
**Alto: 172.**



**Código**

**7012**

**Descripción**

Luminaria aplique decorativo, directa e indirecta. Diseñada con módulos de LED integrados. Para un montaje de sobreponer en pared o muro. Compuesta por óptico especular y difusor transparente.



**Materiales y acabado**

Cuerpo en aluminio inyectado con acabado en pintura poliéster electroestática.

**Color**

Negro.

**Características técnicas**

|                          |  |   |                            |                        |
|--------------------------|--|---|----------------------------|------------------------|
| <b>LED</b>               |  |  | <b>IP</b><br><b>65</b>     | <b>IK</b><br><b>05</b> |
| <b>PF</b><br><b>0,97</b> | <b>THD</b><br><b>&lt;25%</b>   | <b>°C</b><br><b>0-55</b>  | <b>V</b><br><b>100-277</b> |                        |
|                          |  | <b>53°</b>  | <b>50,000h</b>             |                        |

**Fuente de luz**

Módulos de LED.

| Potencia Nominal | CRI | K    | Lm / W | Lm de Salida |
|------------------|-----|------|--------|--------------|
| 10W              | >90 | 3000 | 74     | 743          |

**Características de fuente de luz**

- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 10,1W.

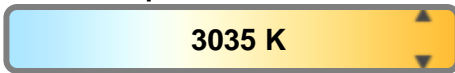
Light efficiency:



Light quality:



Color temperature:



Output: 743 lm

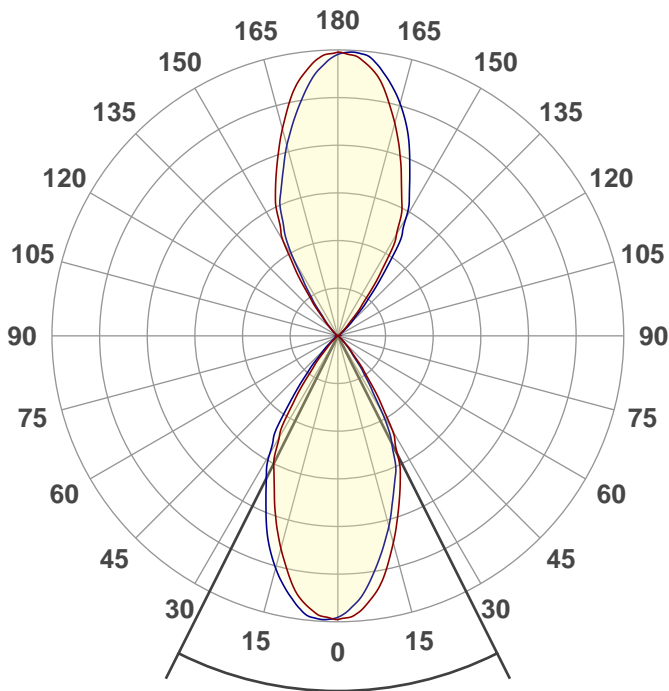
Peak: 507 cd

Power: 10,1 W

PF: 0,97



Product name:  
E0295-7012



Beam angle  
**53,3°**



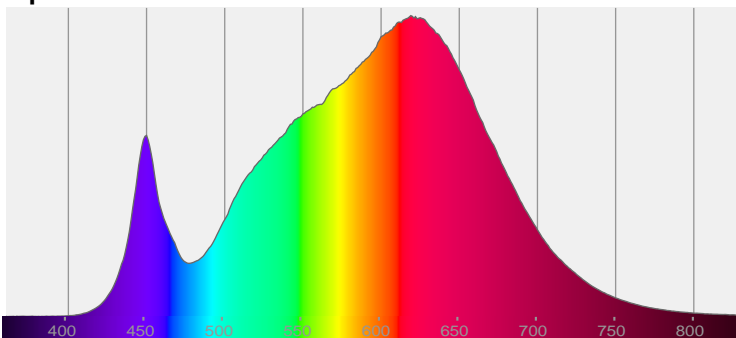
CIE 1931  
x: 0,432  
y: 0,398

THD Values:

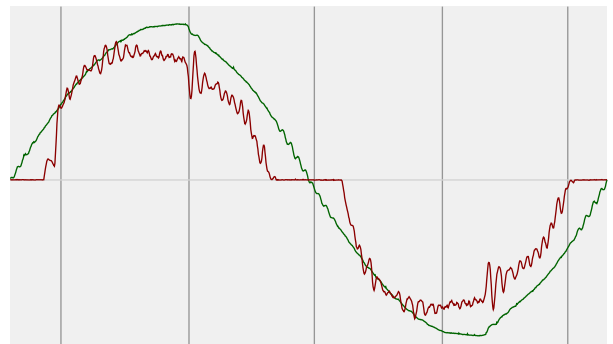
Voltage: 1,85%

Current: 20,34%

Spectra

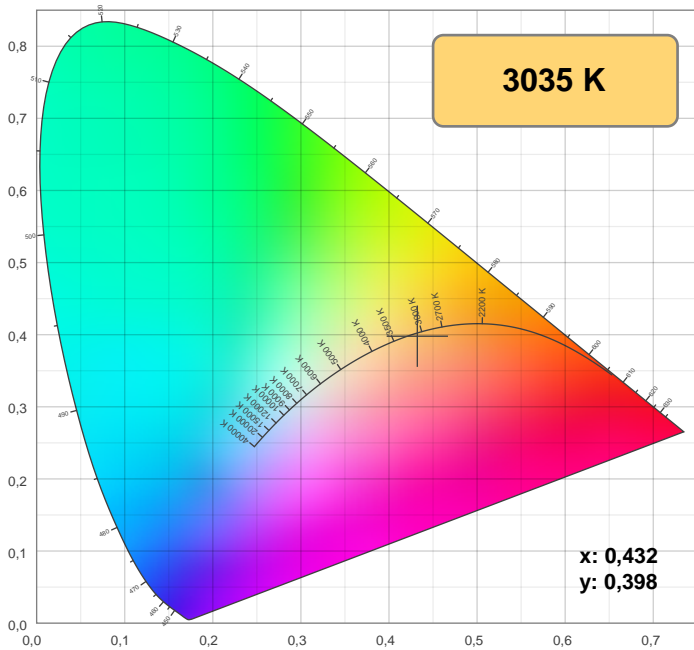


Power



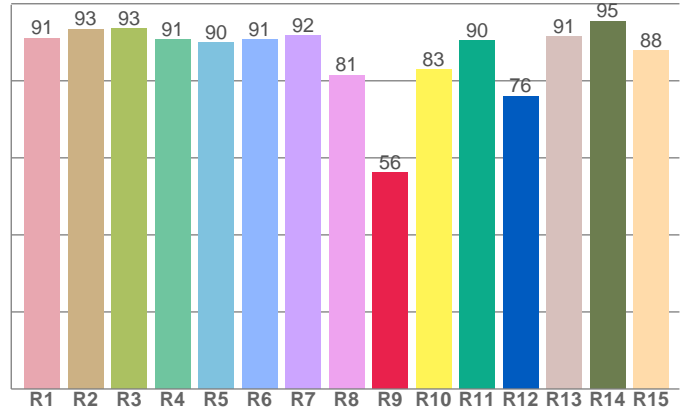
Voltage: 113 V  
Current: 0,092 A  
Frequency: 59,9 Hz

## Color details



CIE 1931

**CRI: 90,3 (R1-R8)**

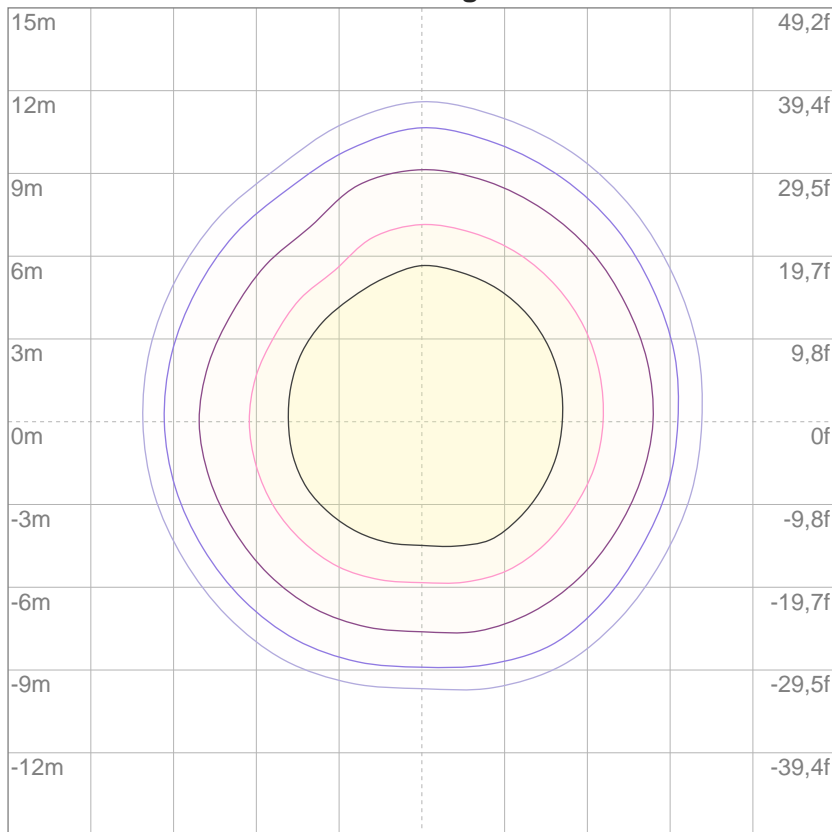


CRI R values, only R1-R8 are used to calculate final CRI value

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | 9    | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,0 | 93,4 | 93,5 | 90,7 | 89,9 | 90,7 | 91,7 | 81,4 | 56,1 | 82,8 | 90,4 | 76,0 | 91,4 | 95,5 | 87,9 |

## ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

|     |          |
|-----|----------|
| 3%  | 0,151 lx |
| 5%  | 0,252 lx |
| 10% | 0,504 lx |
| 30% | 1,51 lx  |
| 50% | 2,52 lx  |

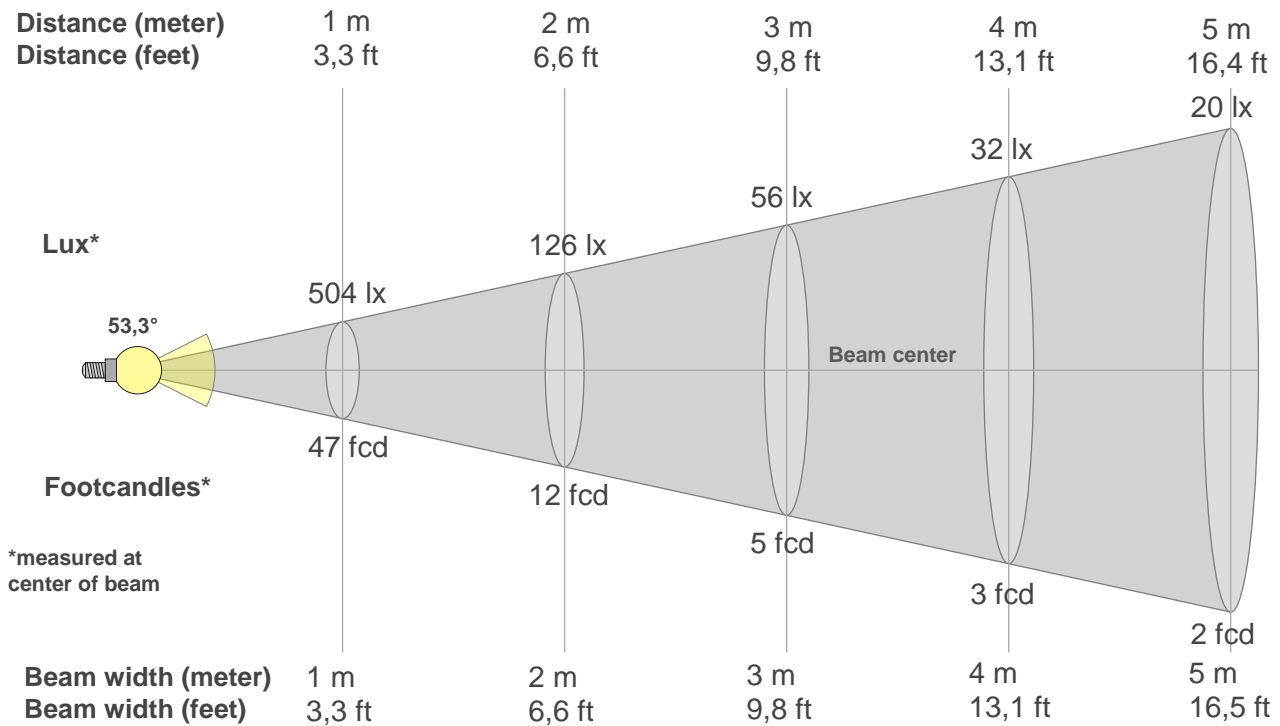
Conditions:

Number of c-planes: 12

Lux at center: 5,04 lx

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

## Beam details



### 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 |
| 504lx   | 126lx   | 56lx   | 32lx   | 20lx   | 14lx   | 10lx | 8lx    | 6lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    |
| 46,8fcd | 11,7fcd | 5,2fcd | 2,9fcd | 1,9fcd | 1,3fcd | 1fcd | 0,7fcd | 0,6fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd |

### Intensities in 0° c-plane

| 0°   | 9°  | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 504  | 457 | 343 | 232 | 84  | 16  | 4   | 2   | 1   | 0   | 0   | 0   | 1    | 2    | 4    | 17   | 102  | 251  | 354  | 466  |
| 100% | 91% | 68% | 46% | 17% | 3%  | 1%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%   | 0%   | 1%   | 3%   | 20%  | 50%  | 70%  | 92%  |

### Intensities in 90° c-plane

| 0°   | 9°  | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 504  | 423 | 314 | 210 | 68  | 13  | 3   | 1   | 1   | 0   | 0   | 1   | 1    | 3    | 7    | 35   | 143  | 281  | 395  | 483  |
| 100% | 84% | 62% | 42% | 13% | 3%  | 1%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%   | 1%   | 1%   | 7%   | 28%  | 56%  | 78%  | 96%  |

### Intensities in 180° c-plane

| 0°   | 9°  | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 504  | 466 | 354 | 251 | 102 | 17  | 4   | 2   | 1   | 0   | 0   | 0   | 1    | 2    | 4    | 16   | 84   | 232  | 343  | 457  |
| 100% | 92% | 70% | 50% | 20% | 3%  | 1%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%   | 0%   | 1%   | 3%   | 17%  | 46%  | 68%  | 91%  |

### Intensities in 270° c-plane

| 0°   | 9°  | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 504  | 483 | 395 | 281 | 143 | 35  | 7   | 3   | 1   | 1   | 0   | 0   | 1    | 1    | 3    | 13   | 68   | 210  | 314  | 423  |
| 100% | 96% | 78% | 56% | 28% | 7%  | 1%  | 1%  | 0%  | 0%  | 0%  | 0%  | 0%   | 0%   | 1%   | 3%   | 13%  | 42%  | 62%  | 84%  |

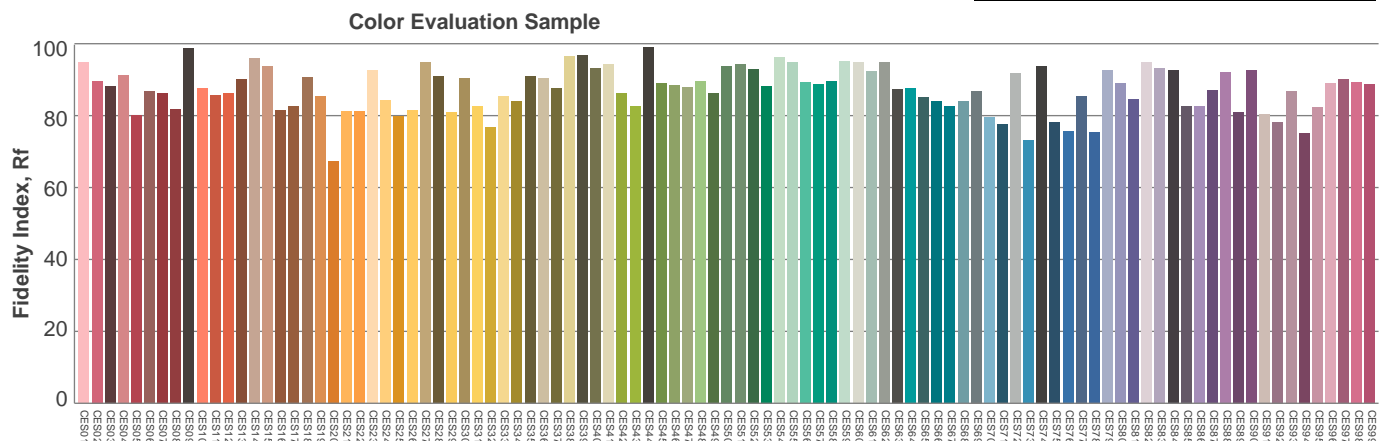
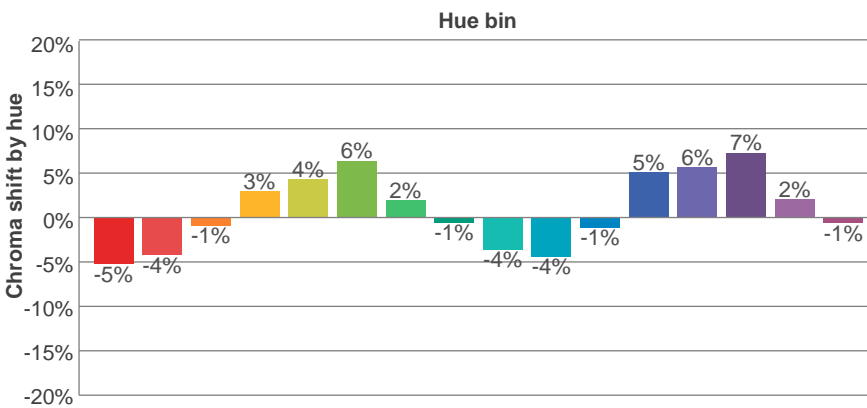
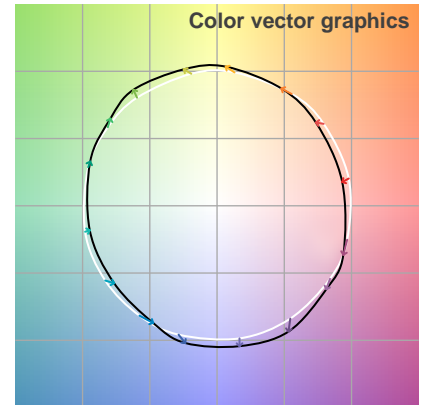
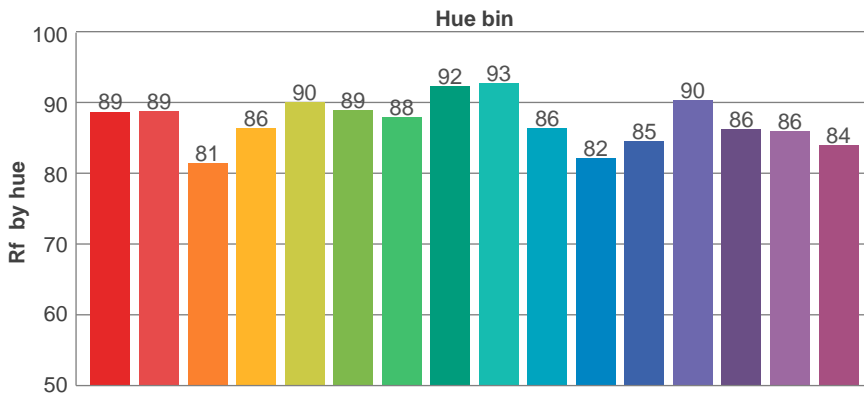
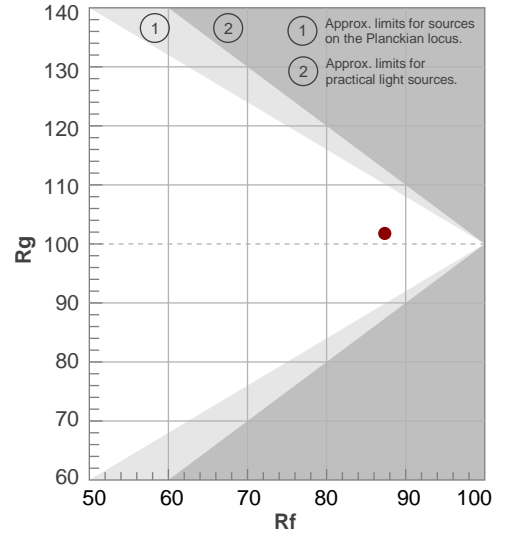
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 53,3°          | 360°            | 360°              | 49,7%                        | 48,5%                       |

## TM30 details

**Rf 87,4**  
Fidelity index Rf

**Rg 101,8**  
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 89             | -5%                | -2%  |
| 2       | 89             | -4%                | 4%   |
| 3       | 81             | -1%                | 9%   |
| 4       | 86             | 3%                 | 7%   |
| 5       | 90             | 4%                 | 5%   |
| 6       | 89             | 6%                 | -1%  |
| 7       | 88             | 2%                 | -6%  |
| 8       | 92             | -1%                | -4%  |
| 9       | 93             | -4%                | 0%   |
| 10      | 86             | -4%                | 5%   |
| 11      | 82             | -1%                | 11%  |
| 12      | 85             | 5%                 | 6%   |
| 13      | 90             | 6%                 | -1%  |
| 14      | 86             | 7%                 | -6%  |
| 15      | 86             | 2%                 | -8%  |
| 16      | 84             | -1%                | -12% |



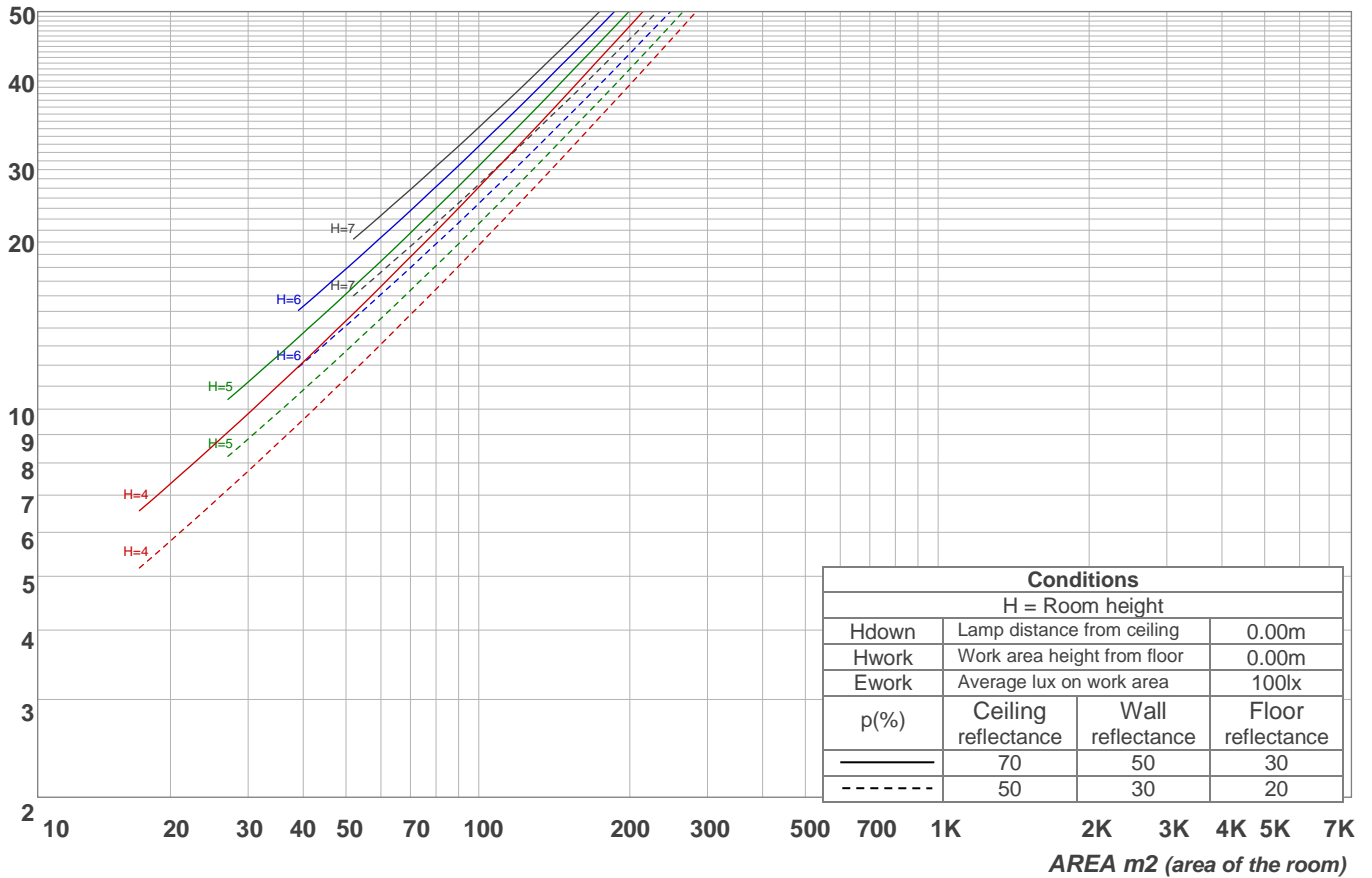
# Light planning

## Coefficients of Utilization

| 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 | 20 | 20 | 20 | 0 |
| <b>RCR</b>          | <b>(RCR: Room Cavity Ratio)</b>   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|                     | Room Values are expressed as percentage of Lumens delivered to the task surface |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0                   | 107   | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |    |    |   |
| 1                   | 100   | 97  | 94  | 91  | 93 | 90 | 87 | 85 | 77 | 75 | 73 | 64 | 63 | 62 | 53 | 53 | 52 | 47 |    |    |   |
| 2                   | 93  | 88  | 83  | 79  | 87 | 82 | 78 | 74 | 70 | 68 | 65 | 60 | 58 | 56 | 50 | 49 | 48 | 44 |    |    |   |
| 3                   | 87  | 80  | 74  | 70  | 81 | 75 | 70 | 66 | 65 | 61 | 59 | 56 | 53 | 51 | 47 | 46 | 45 | 41 |    |    |   |
| 4                   | 82  | 73  | 67  | 62  | 76 | 69 | 63 | 59 | 60 | 56 | 53 | 52 | 49 | 47 | 45 | 43 | 41 | 38 |    |    |   |
| 5                   | 76  | 67  | 61  | 56  | 71 | 63 | 58 | 53 | 56 | 52 | 48 | 49 | 46 | 43 | 42 | 40 | 39 | 36 |    |    |   |
| 6                   | 72  | 62  | 55  | 51  | 67 | 58 | 53 | 48 | 52 | 48 | 44 | 46 | 43 | 40 | 40 | 38 | 36 | 34 |    |    |   |
| 7                   | 67  | 57  | 51  | 46  | 63 | 54 | 49 | 44 | 48 | 44 | 41 | 43 | 40 | 37 | 38 | 36 | 34 | 32 |    |    |   |
| 8                   | 64  | 53  | 47  | 42  | 59 | 51 | 45 | 41 | 45 | 41 | 38 | 40 | 37 | 35 | 36 | 34 | 32 | 30 |    |    |   |
| 9                   | 60  | 50  | 43  | 39  | 56 | 47 | 42 | 38 | 43 | 38 | 35 | 38 | 35 | 33 | 34 | 32 | 30 | 28 |    |    |   |
| 10                  | 57  | 47  | 40  | 36  | 53 | 44 | 39 | 35 | 40 | 36 | 33 | 36 | 33 | 30 | 32 | 30 | 28 | 26 |    |    |   |

LAMPS (number of lamps)

### Luminaire budgetary diagram

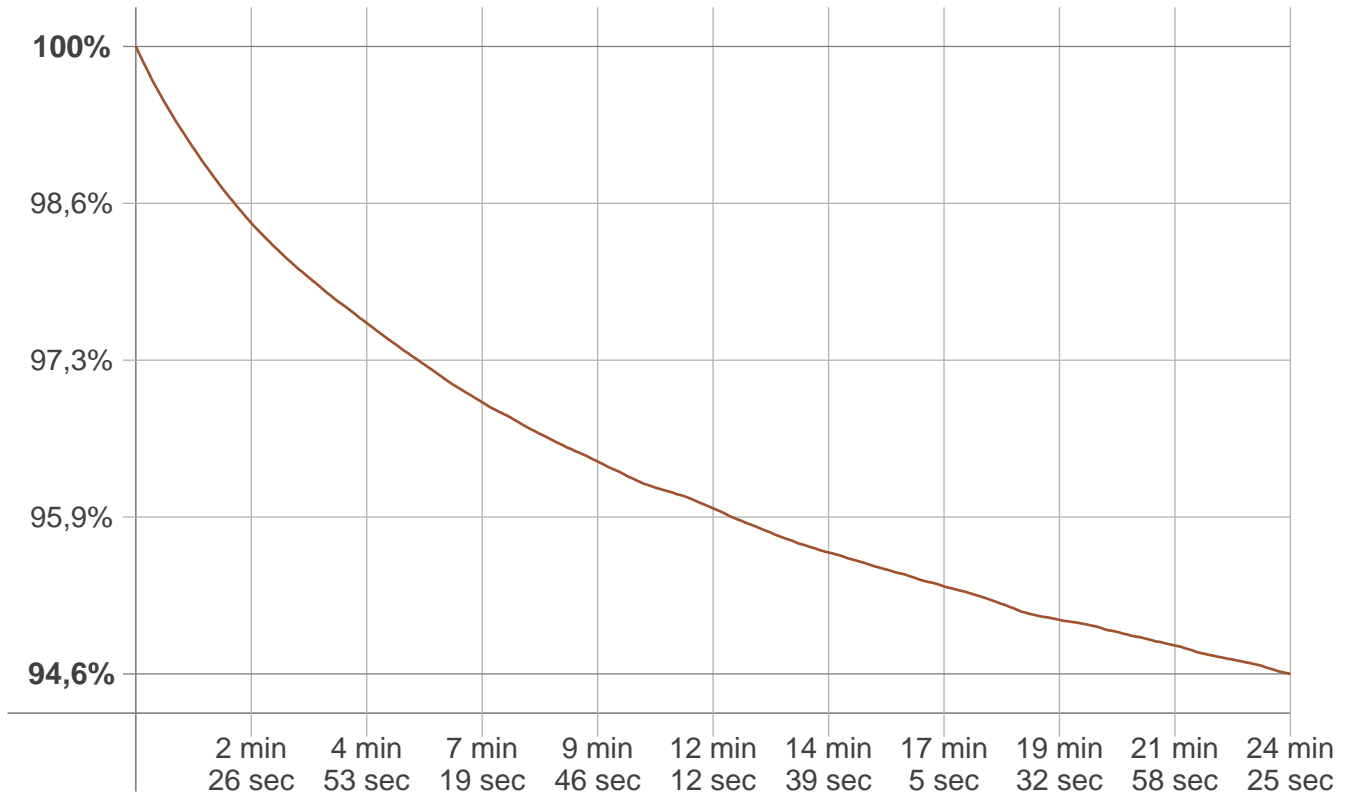


### Zonal Lumen Summary

|          |           |           |           |           |           |           |           |           |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0°-10°   | 10°-20°   | 20°-30°   | 30°-40°   | 40°-50°   | 50°-60°   | 60°-70°   | 70°-80°   | 80°-90°   |
| 45,4 lm  | 109 lm    | 123 lm    | 71,8 lm   | 16,5 lm   | 3,66 lm   | 1,58 lm   | 0,706 lm  | 0,313 lm  |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 0,313 lm | 0,706 lm  | 1,58 lm   | 3,66 lm   | 16,5 lm   | 71,8 lm   | 123 lm    | 109 lm    | 45,4 lm   |

## Stabilization

### Warmup curve



### Warmup result

|                  |               |
|------------------|---------------|
| Warmup time:     | 24 min 25 sec |
| Warmup variation | -5,4%         |

### Warmup conditions

|                    |        |
|--------------------|--------|
| Stable period:     | 15 min |
| Stable change max: | 2,0%   |
| Minimum time:      | 15 min |

### Color temperature change

| CCT start | CCT change | CCT end |
|-----------|------------|---------|
| 3051 K    | -16 K      | 3035 K  |

### Output change

| Output start | Output change | Output end |
|--------------|---------------|------------|
| 785 lm       | -42 lm        | 743 lm     |