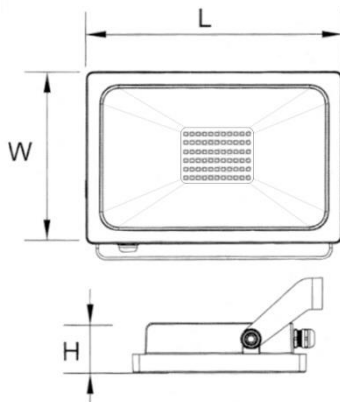


Luminaria para exterior



Dimensiones (mm)

Largo (L): 360; Ancho (W): 265
Alto (H): 33.



Código

ERIS-I-100W-3K

Descripción

Luminaria tipo reflector diseñada con módulo de LED (DOB). Para anclar en piso, poste o muro por medio del sujetador ubicado en la parte trasera. Compuesta en la parte interna por una pantalla blanca y un difusor en vidrio templado.




Materiales y acabado

Cuerpo en termoplástico (PA) inyectado. Sujetador fabricado en lámina de hierro calibre #14, con acabado en pintura poliéster electrostática en polvo.

Color

Gris.

Características técnicas

| | | | | |
|---------|--|--|-----------|---|
| LED |  112° |  35,000h | IP 65 | IK 08 |
| PF 0,91 | THD <50% | °C 0-55 | V 100-240 |  |

Fuente de luz

Módulo de LED.

| Potencia Nominal | CRI | K | Lm / W | Lm de Salida |
|------------------|-----|------|--------|--------------|
| 100W | >80 | 3000 | 67 | 6154 |

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- “DOB”, Driver on board.
- Potencia de Salida: 92W.

Light efficiency:



Light quality:



Color temperature:



Output: 6154 lm

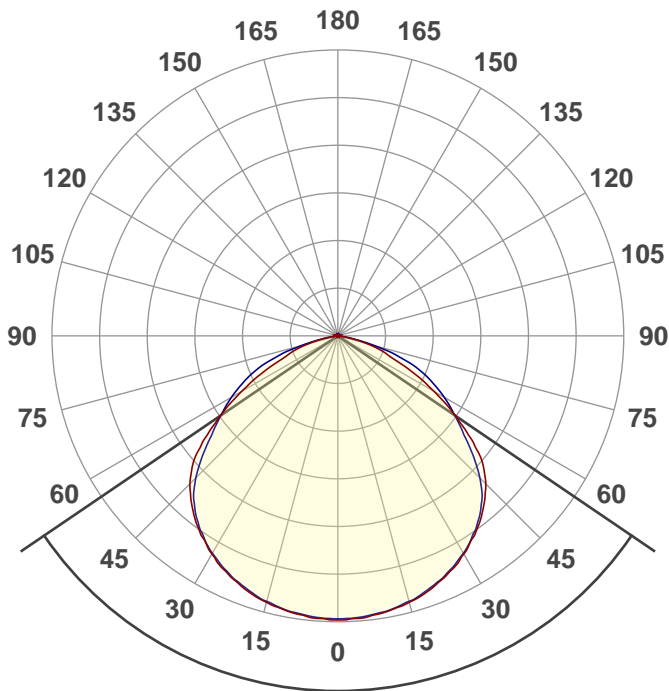
Peak: 2210 cd

Power: 92,0 W

PF: 0,91



Product name:
E0012-ERIS-I-100W-3K



Beam angle **111,6°**



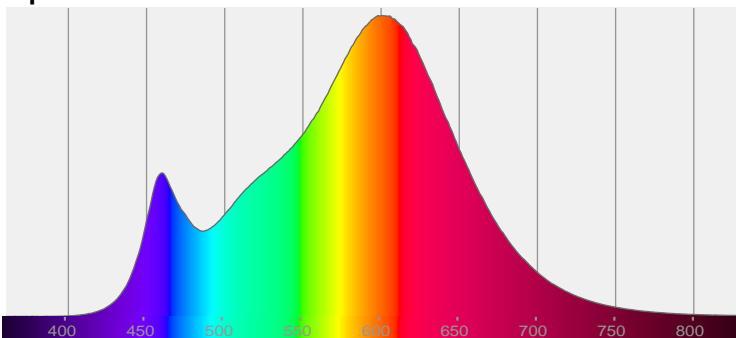
CIE 1931
x: 0,435
y: 0,407

THD Values:

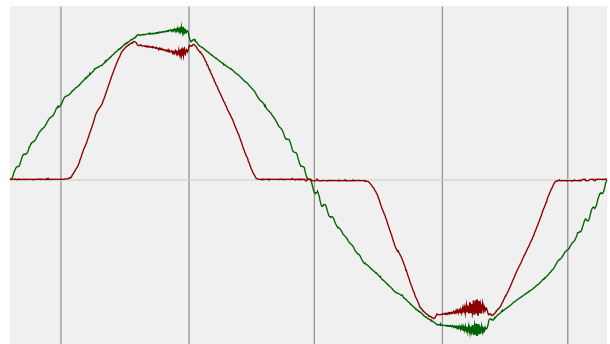
Voltage: 3,42%

Current: 42,49%

Spectra

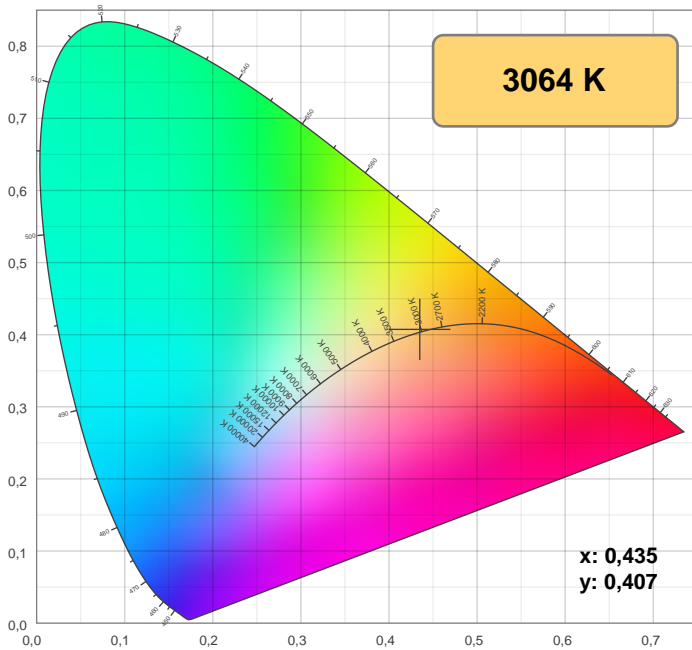


Power



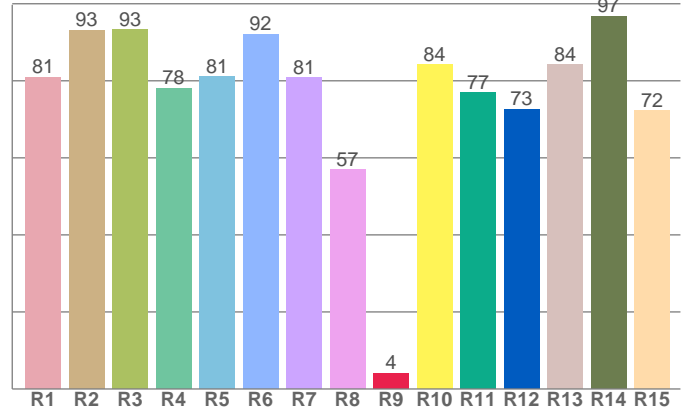
Voltage: 111 V
Current: 0,908 A
Frequency: 60,1 Hz

Color details



CIE 1931

CRI: 82,0 (R1-R8)

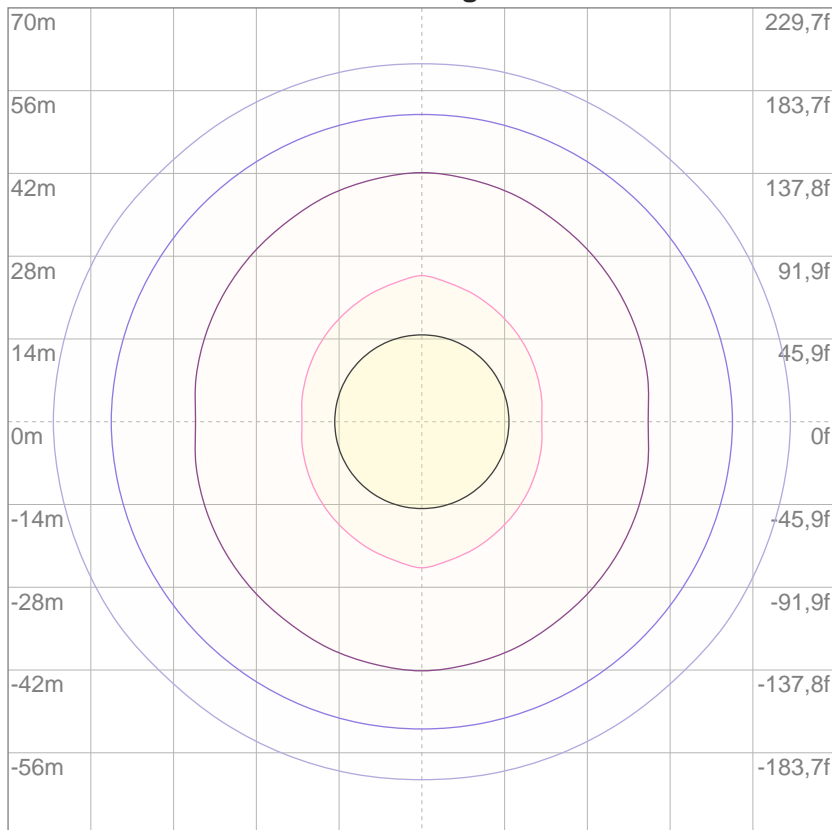


CRI R values, only R1-R8 are used to calculate final CRI value

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | 9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 81,0 | 93,1 | 93,3 | 78,1 | 81,1 | 92,1 | 80,8 | 56,9 | 4,1 | 84,2 | 77,0 | 72,7 | 84,2 | 96,8 | 72,2 |

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

- 3% 0,662 lx
- 5% 1,10 lx
- 10% 2,21 lx
- 30% 6,62 lx
- 50% 11,0 lx

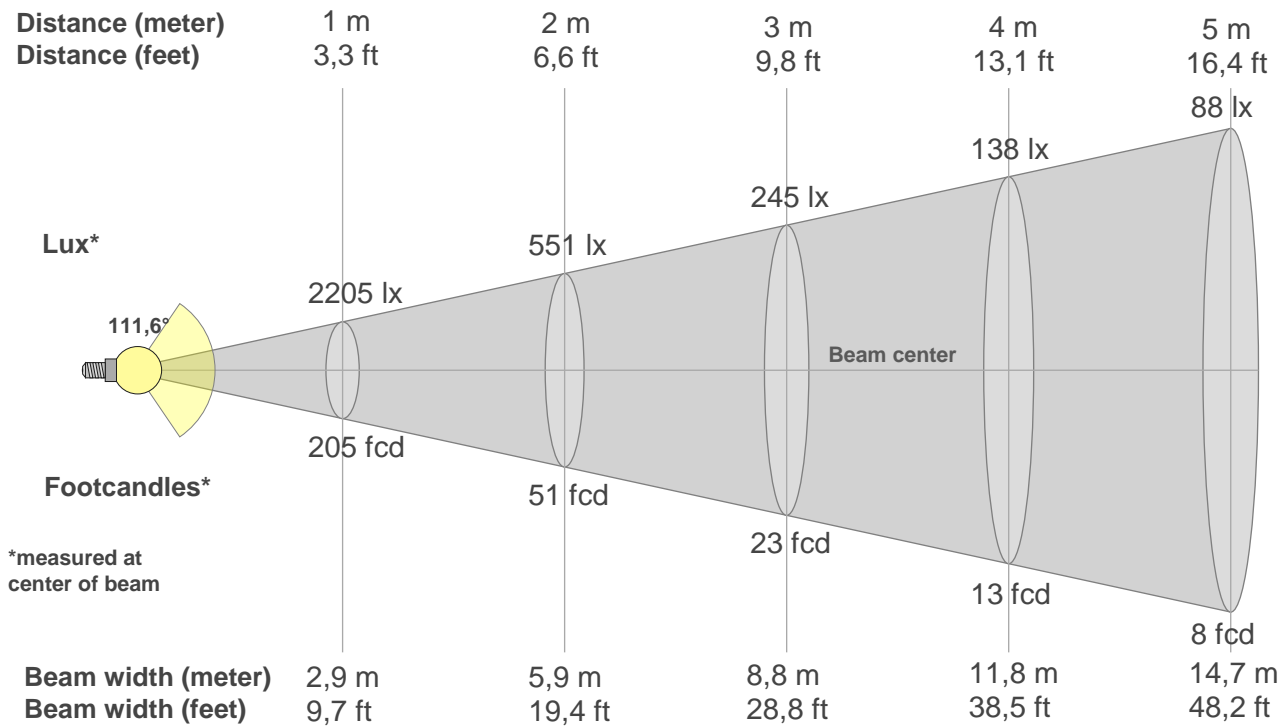
Conditions:

Number of c-planes: 4

Lux at center: 22,1 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 |
| 2205lx | 551lx | 245lx | 138lx | 88lx | 61lx | 45lx | 34lx | 27lx | 22lx | 18lx | 15lx | 13lx | 11lx | 10lx | 9lx | 8lx | 7lx | 6lx | 6lx |
| 204,9fcd | 51,2fcd | 22,8fcd | 12,8fcd | 8,2fcd | 5,7fcd | 4,2fcd | 3,2fcd | 2,5fcd | 2fcd | 1,7fcd | 1,4fcd | 1,2fcd | 1fcd | 0,9fcd | 0,8fcd | 0,7fcd | 0,6fcd | 0,6fcd | 0,5fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 2205 | 2203 | 2179 | 2145 | 2100 | 2036 | 1959 | 1868 | 1758 | 1627 | 1437 | 1148 | 865 | 598 | 395 | 234 | 89 | 7 | 0 | 0 |
| 100% | 100% | 99% | 97% | 95% | 92% | 89% | 85% | 80% | 74% | 65% | 52% | 39% | 27% | 18% | 11% | 4% | 0% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 2205 | 2194 | 2174 | 2138 | 2089 | 2027 | 1952 | 1856 | 1733 | 1562 | 1335 | 1129 | 956 | 777 | 561 | 296 | 85 | 6 | 1 | 0 |
| 100% | 99% | 99% | 97% | 95% | 92% | 89% | 84% | 79% | 71% | 61% | 51% | 43% | 35% | 25% | 13% | 4% | 0% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 2205 | 2203 | 2179 | 2145 | 2100 | 2036 | 1959 | 1868 | 1758 | 1627 | 1437 | 1148 | 865 | 598 | 395 | 234 | 89 | 7 | 0 | 0 |
| 100% | 100% | 99% | 97% | 95% | 92% | 89% | 85% | 80% | 74% | 65% | 52% | 39% | 27% | 18% | 11% | 4% | 0% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 2205 | 2194 | 2174 | 2138 | 2089 | 2027 | 1952 | 1856 | 1733 | 1562 | 1335 | 1129 | 956 | 777 | 561 | 296 | 85 | 6 | 1 | 0 |
| 100% | 99% | 99% | 97% | 95% | 92% | 89% | 84% | 79% | 71% | 61% | 51% | 43% | 35% | 25% | 13% | 4% | 0% | 0% | 0% |

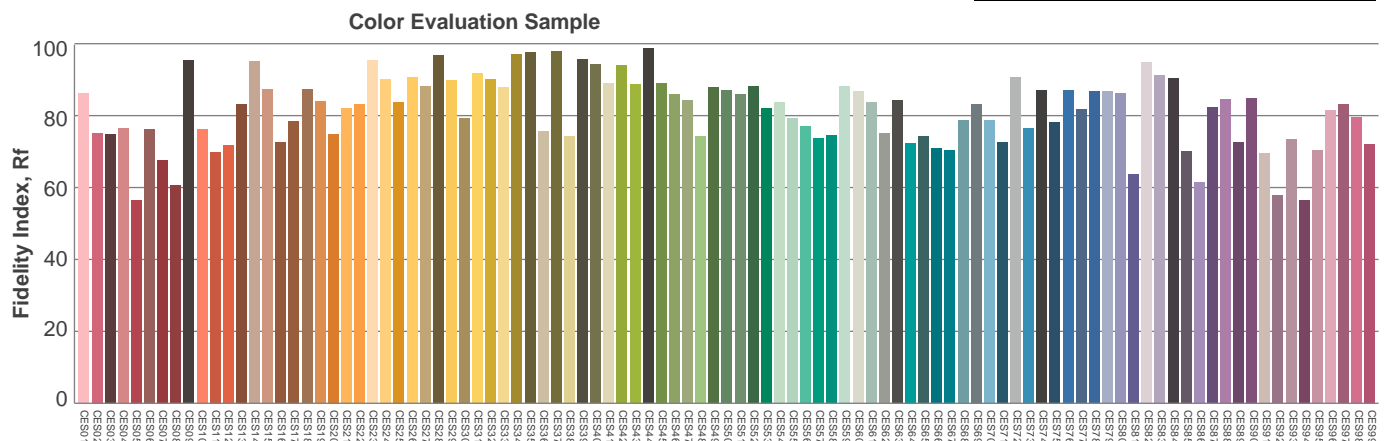
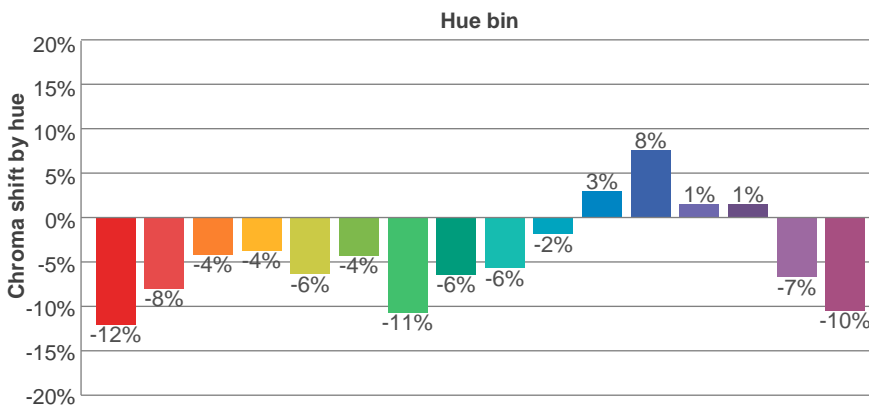
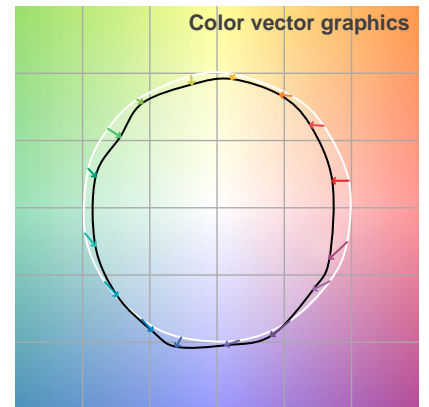
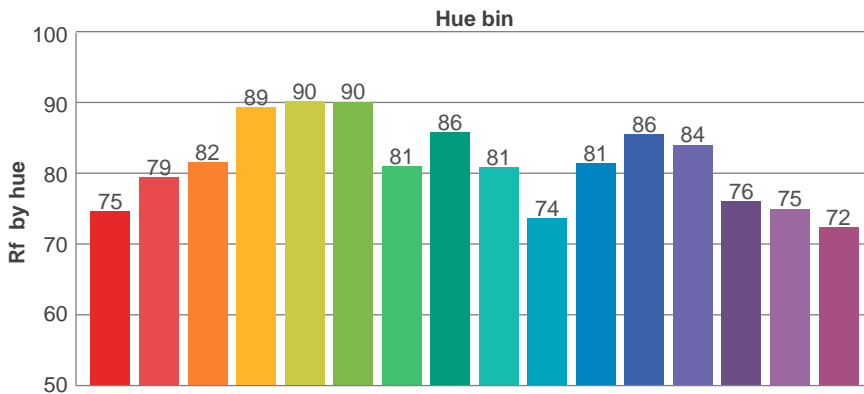
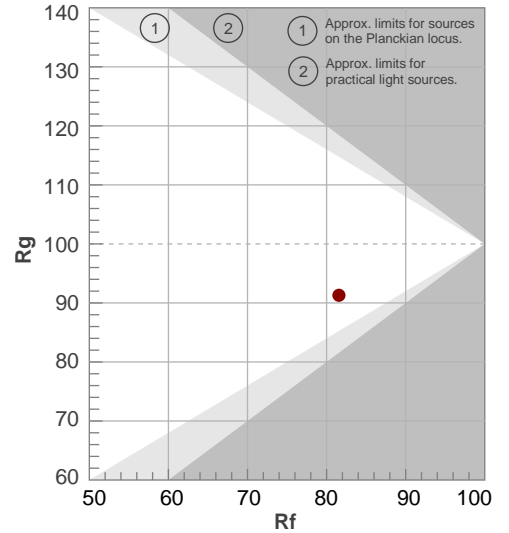
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 111,6° | 152° | 162,5° | 83,9% | 57,5% |

TM30 details

Rf 81,6
Fidelity index Rf

Rg 91,3
Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 75 | -12% | 2% |
| 2 | 79 | -8% | 6% |
| 3 | 82 | -4% | 7% |
| 4 | 89 | -4% | 2% |
| 5 | 90 | -6% | 1% |
| 6 | 90 | -4% | -2% |
| 7 | 81 | -11% | 0% |
| 8 | 86 | -6% | 5% |
| 9 | 81 | -6% | 10% |
| 10 | 74 | -2% | 14% |
| 11 | 81 | 3% | 11% |
| 12 | 86 | 8% | -2% |
| 13 | 84 | 1% | -11% |
| 14 | 76 | 1% | -18% |
| 15 | 75 | -7% | -12% |
| 16 | 72 | -10% | -15% |



UGR

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 X Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | | |
| 2H | 2H | 30,9 | 32,2 | 31,2 | 32,4 | 32,7 | 31,1 | 32,4 | 31,4 | 32,6 | 32,8 |
| | 3H | 31,8 | 33,0 | 32,1 | 33,2 | 33,5 | 32,4 | 33,6 | 32,8 | 33,9 | 34,1 |
| | 4H | 32,1 | 33,2 | 32,4 | 33,4 | 33,7 | 32,8 | 33,9 | 33,2 | 34,2 | 34,5 |
| | 6H | 32,2 | 33,2 | 32,5 | 33,5 | 33,8 | 32,9 | 33,9 | 33,2 | 34,2 | 34,5 |
| | 8H | 32,1 | 33,1 | 32,5 | 33,4 | 33,7 | 32,9 | 33,8 | 33,2 | 34,1 | 34,4 |
| | 12H | 32,1 | 33,0 | 32,5 | 33,3 | 33,7 | 32,8 | 33,7 | 33,2 | 34,1 | 34,4 |
| 4H | 2H | 31,5 | 32,6 | 31,8 | 32,8 | 33,1 | 31,6 | 32,7 | 32,0 | 33,0 | 33,3 |
| | 3H | 32,6 | 33,5 | 32,9 | 33,8 | 34,1 | 33,1 | 34,0 | 33,5 | 34,4 | 34,7 |
| | 4H | 32,9 | 33,7 | 33,3 | 34,0 | 34,4 | 33,6 | 34,4 | 34,0 | 34,7 | 35,1 |
| | 6H | 33,0 | 33,7 | 33,5 | 34,1 | 34,5 | 33,7 | 34,4 | 34,1 | 34,8 | 35,2 |
| | 8H | 33,0 | 33,7 | 33,5 | 34,0 | 34,5 | 33,7 | 34,3 | 34,1 | 34,7 | 35,1 |
| | 12H | 33,0 | 33,6 | 33,4 | 34,0 | 34,4 | 33,6 | 34,2 | 34,1 | 34,6 | 35,0 |
| 8H | 4H | 33,1 | 33,7 | 33,5 | 34,1 | 34,5 | 33,7 | 34,3 | 34,1 | 34,7 | 35,1 |
| | 6H | 33,2 | 33,7 | 33,7 | 34,2 | 34,6 | 33,8 | 34,3 | 34,3 | 34,8 | 35,2 |
| | 8H | 33,2 | 33,7 | 33,7 | 34,1 | 34,6 | 33,8 | 34,2 | 34,3 | 34,7 | 35,2 |
| | 12H | 33,2 | 33,6 | 33,7 | 34,0 | 34,5 | 33,8 | 34,1 | 34,3 | 34,6 | 35,1 |
| 12H | 4H | 33,0 | 33,6 | 33,5 | 34,0 | 34,4 | 33,6 | 34,2 | 34,1 | 34,6 | 35,1 |
| | 6H | 33,2 | 33,6 | 33,7 | 34,1 | 34,6 | 33,8 | 34,2 | 34,3 | 34,7 | 35,2 |
| | 8H | 33,2 | 33,6 | 33,7 | 34,0 | 34,5 | 33,8 | 34,2 | 34,3 | 34,6 | 35,1 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1,0H | +0,2 / -0,3 | | | | | +0,2 / -0,2 | | | | | |
| S = 1,5H | +0,5 / -0,8 | | | | | +0,4 / -0,6 | | | | | |
| S = 2,0H | +1,1 / -1,8 | | | | | +0,7 / -0,9 | | | | | |
| Standard table | BK03 | | | | | BK03 | | | | | |
| Correction summand | 15,5 | | | | | 15,9 | | | | | |
| Corrected glare indices referring to 6154 lm total luminous flux | | | | | | | | | | | |

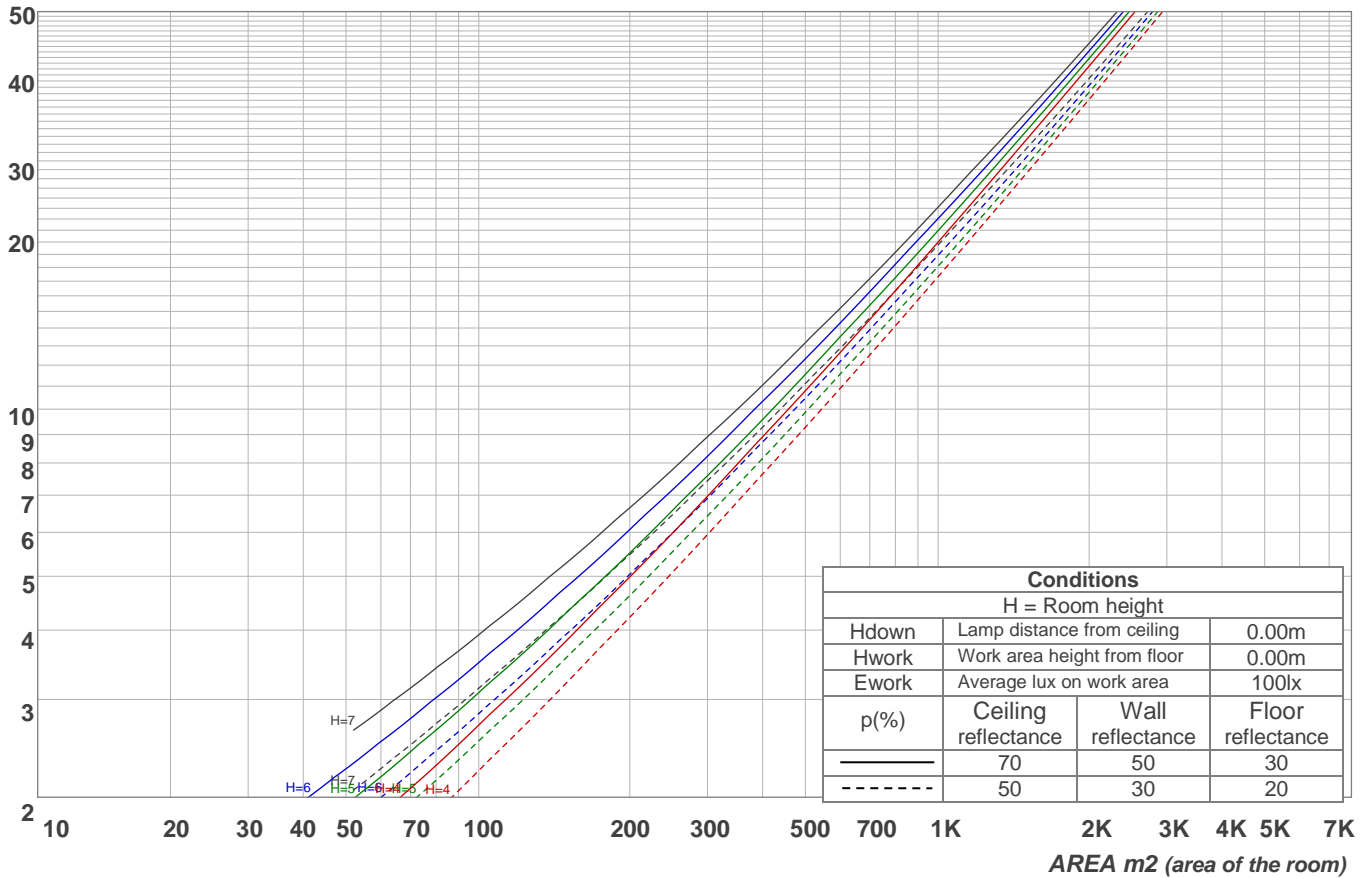
Light planning

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 | 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 | 102 | 98 | 107 | 103 | 100 | 96 | 99 | 96 | 93 | 95 | 93 | 91 | 91 | 90 | 88 | 86 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 |
| 5 | 77 | 65 | 56 | 49 | 75 | 64 | 55 | 49 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 43 | 56 | 48 | 43 | 54 | 47 | 42 | 52 | 46 | 42 | 40 |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 35 |
| 8 | 61 | 48 | 40 | 34 | 60 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 33 | 44 | 38 | 33 | 31 |
| 9 | 57 | 44 | 36 | 31 | 56 | 44 | 36 | 30 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |
| 10 | 54 | 41 | 33 | 28 | 52 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |

LAMPS (number of lamps)

Luminaire budgetary diagram

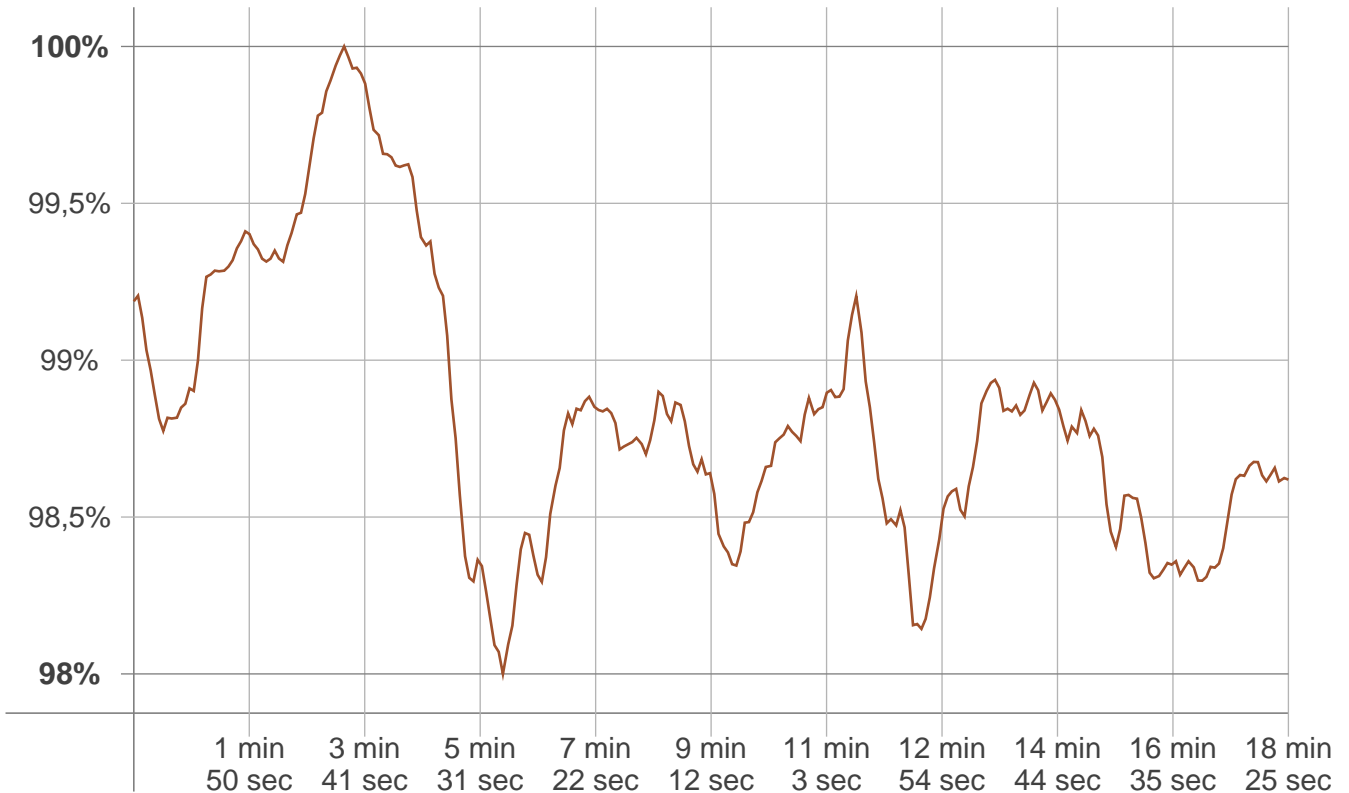


Zonal Lumen Summary

| | | | | | | | | |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
| 209 lm | 605 lm | 938 lm | 1165 lm | 1223 lm | 1021 lm | 681 lm | 288 lm | 20,8 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 0,482 lm | 0,545 lm | 0,652 lm | 0,696 lm | 0,655 lm | 0,561 lm | 0,437 lm | 0,280 lm | 0,101 lm |

Stabilization

Warmup curve



Warmup result

| | |
|------------------|---------------|
| Warmup time: | 18 min 25 sec |
| Warmup variation | -2,0% |

Warmup conditions

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

Color temperature change

| CCT start | CCT change | CCT end |
|-----------|------------|---------|
| 3062 K | +2 K | 3064 K |

Output change

| Output start | Output change | Output end |
|--------------|---------------|------------|
| 6176 lm | -22 lm | 6154 lm |