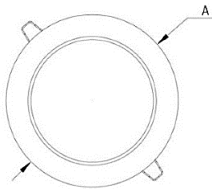




Dimensiones (mm)

A: Ø230
Altura: 2,9.



Corte: Ø210

Código

KT6617-LV-24W-3K

Descripción

Luminaria tipo bala, diseñada con módulo de LED integrado. Empotrada al techo por medio de sujetadores ubicados en los laterales. Compuesta por un difusor en acrílico opal.



Materiales y acabado

Sujetadores en hierro, recubiertos en plástico inyectado. Resortes en hierro con acabado galvanizado. Cuerpo y aro plástico inyectado.

Color

Blanco.

Características técnicas

| | | | | |
|-------------------|---|---|---------------------|--------------------|
| LED |  116° |  50,000h | IP 20 | IK 02 |
| PF 0,98 | THD <10% | °C 0-40 | V 100-240 | Hz 50/60 |

Fuente de luz

Bala con módulo de LED.

| Potencia de Salida | CRI | K | Lm / W | Lm de Salida |
|--------------------|-----|------|--------|--------------|
| 22,3W | >80 | 3000 | 102 | 2282 |

Características de fuente de luz

- Color temperatura disponible 3000K (cálido).

Light efficiency:



Light quality:



Color temperature:



Output: 2282 lm

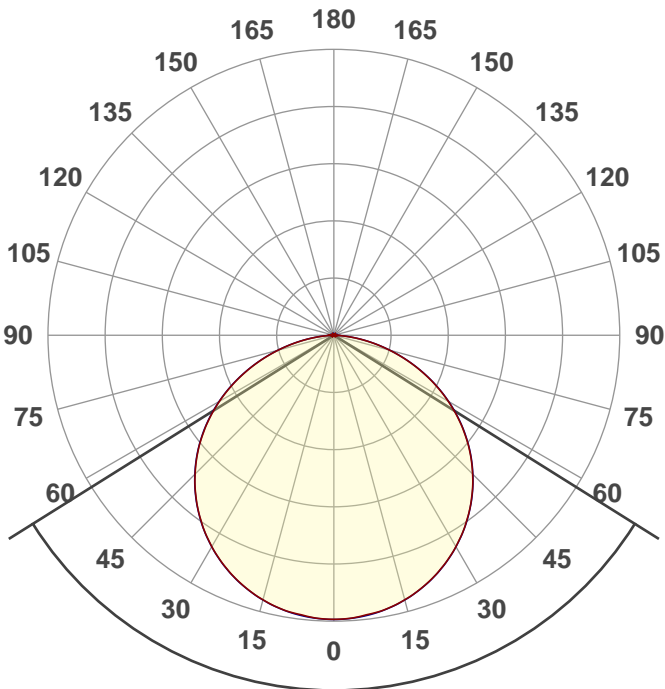
Peak: 771 cd

Power: 22,3 W

PF: 0,98



Product name:
E0653-KT6617-LV-24W-3K



Beam angle **115,9°**



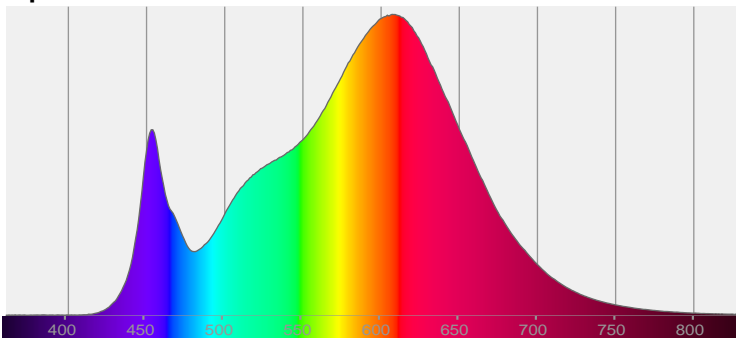
CIE 1931
x: 0,433
y: 0,397

THD Values:

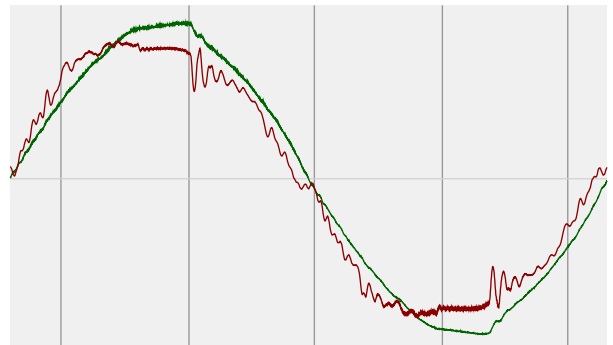
Voltage: 2,2%

Current: 9,18%

Spectra



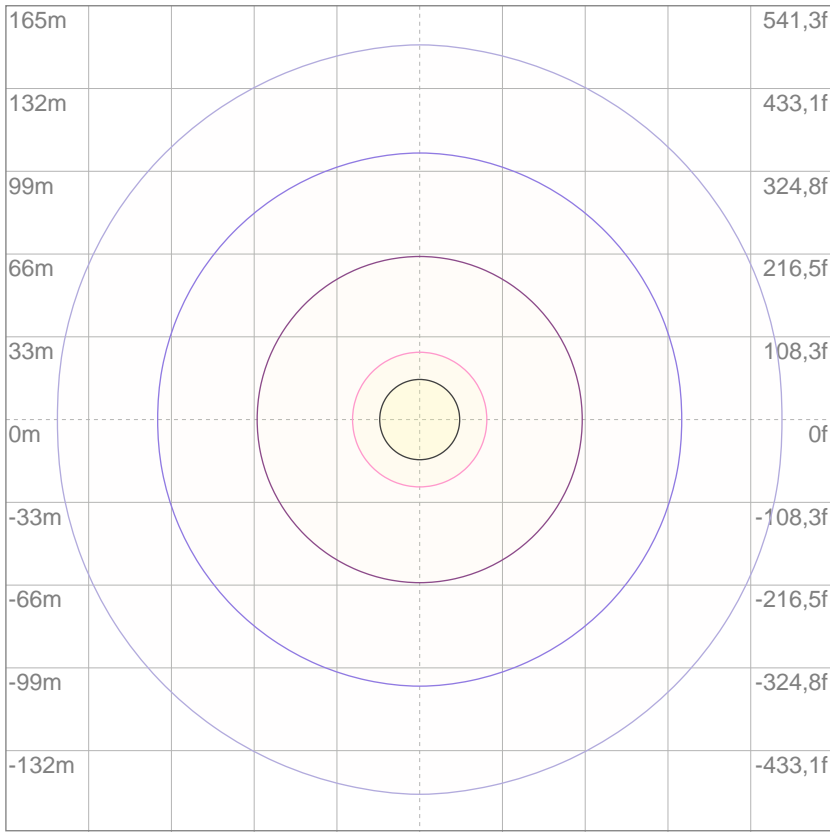
Power



Voltage: 113 V
Current: 0,201 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



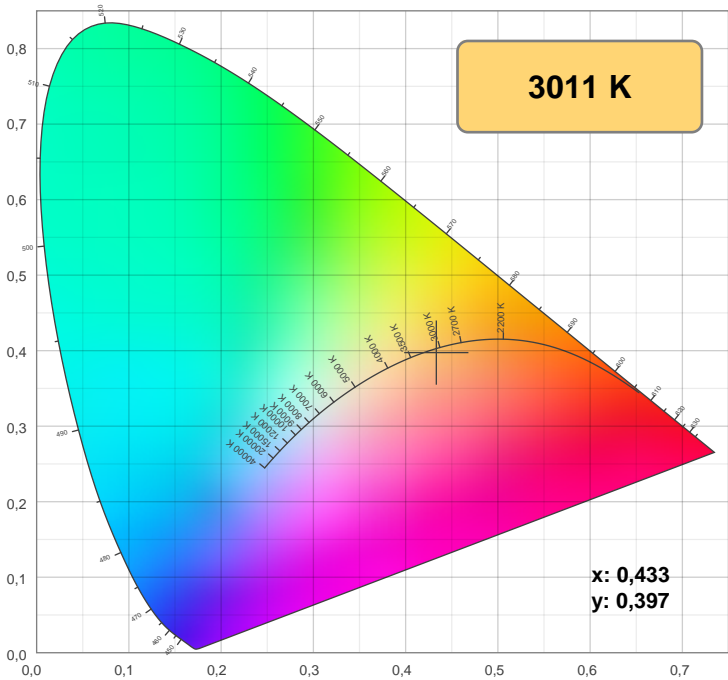
| | |
|-----|----------|
| 3% | 0,231 lx |
| 5% | 0,386 lx |
| 10% | 0,771 lx |
| 30% | 2,31 lx |
| 50% | 3,86 lx |

Conditions:
 Number of c-planes: 4
 Lux at center: 7,71 lx

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

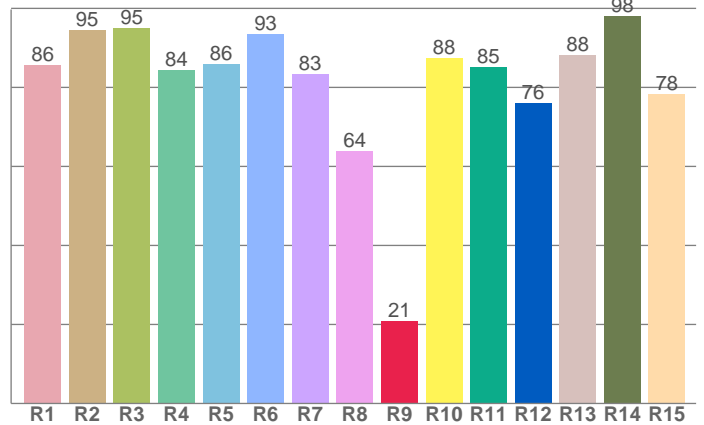
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 85,8 (R1-R8)



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

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
| 85,6 | 94,6 | 95,0 | 84,3 | 86,0 | 93,4 | 83,4 | 64,0 | 21,0 | 87,5 | 85,1 | 75,9 | 88,2 | 98,1 | 78,2 |

Color parameters

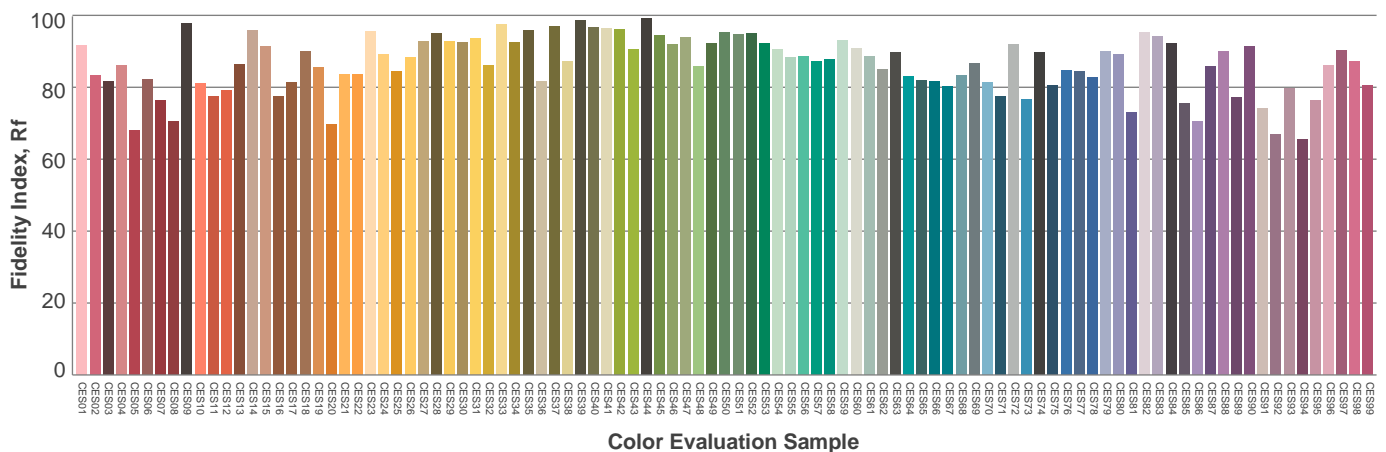
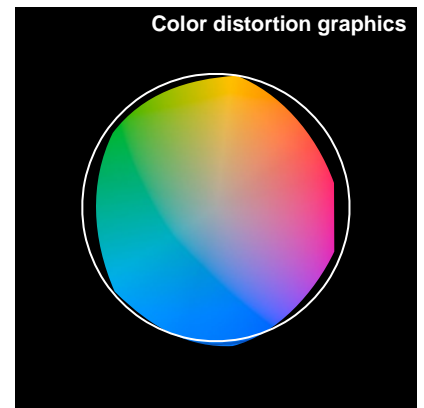
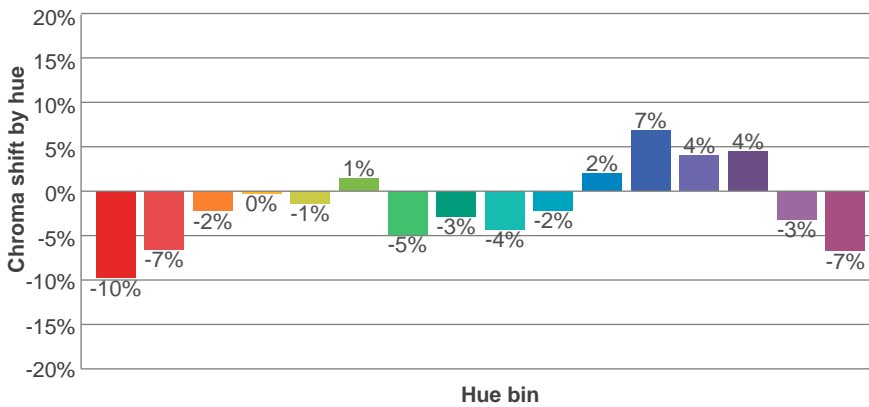
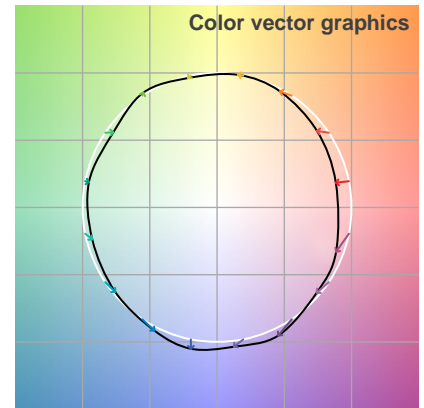
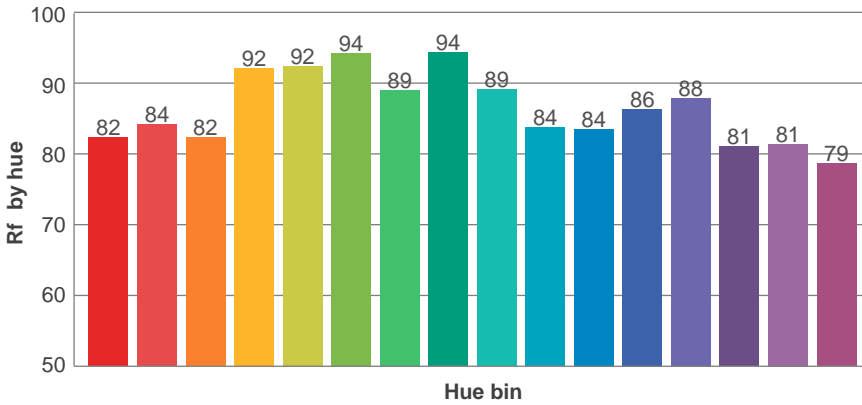
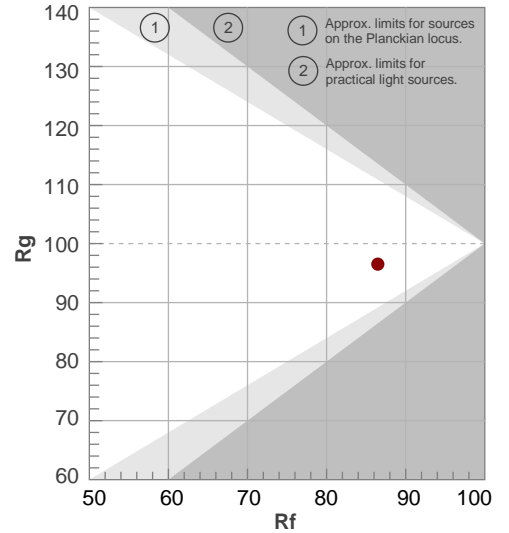
| | | | | | | | | | | |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3011 K | 85,8 | 21,0 | 86,5 | 96,5 | 84,4 | 0,433 | 0,397 | 0,251 | 0,345 | -0,0022 |

TM-30 details

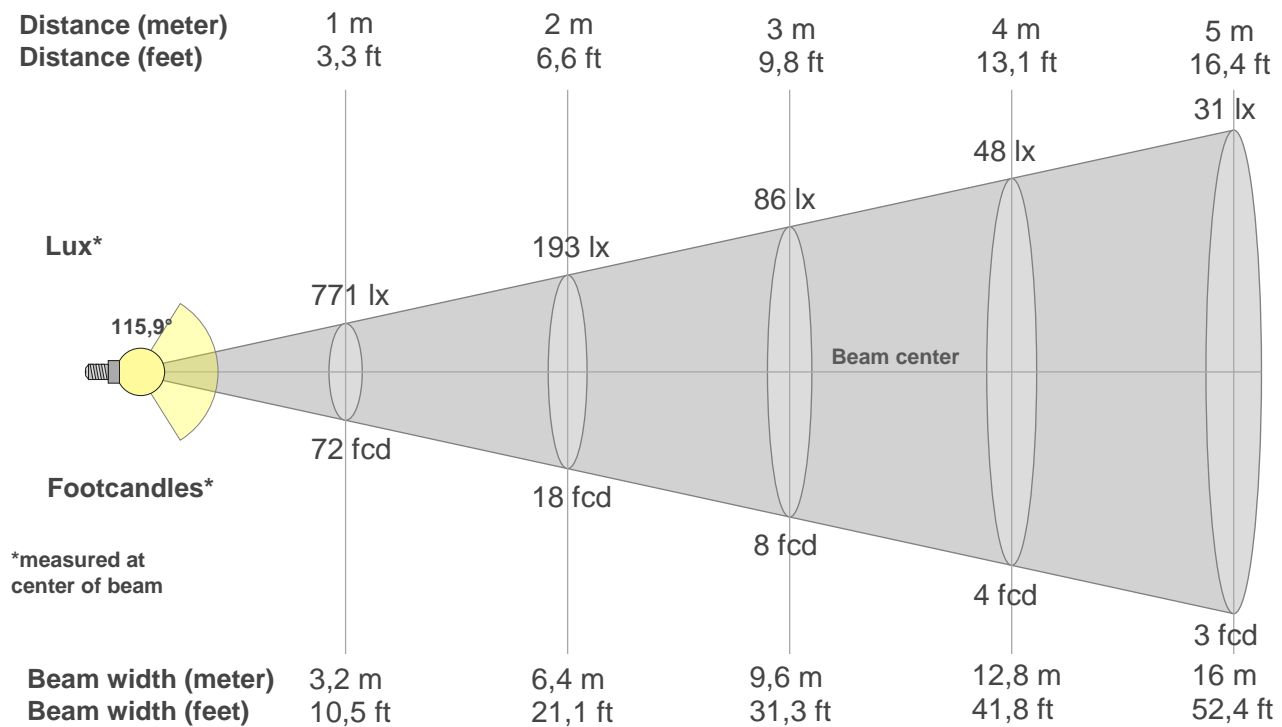
Rf 86,5
Fidelity index Rf

Rg 96,5
Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 82 | -10% | 1% |
| 2 | 84 | -7% | 6% |
| 3 | 82 | -2% | 9% |
| 4 | 92 | 0% | 4% |
| 5 | 92 | -1% | 2% |
| 6 | 94 | 1% | -2% |
| 7 | 89 | -5% | -4% |
| 8 | 94 | -3% | 0% |
| 9 | 89 | -4% | 5% |
| 10 | 84 | -2% | 10% |
| 11 | 84 | 2% | 12% |
| 12 | 86 | 7% | 2% |
| 13 | 88 | 4% | -8% |
| 14 | 81 | 4% | -15% |
| 15 | 81 | -3% | -11% |
| 16 | 79 | -7% | -15% |



Beam details



Beam intensities from 1-20m

{BEAM_INT_TABLE_START}

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx | lx |
| fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd | fcd |

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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 771 | 767 | 759 | 743 | 722 | 695 | 663 | 624 | 581 | 533 | 480 | 421 | 359 | 293 | 225 | 157 | 92 | 34 | 1 | 0 |
| 100% | 99% | 98% | 96% | 94% | 90% | 86% | 81% | 75% | 69% | 62% | 55% | 46% | 38% | 29% | 20% | 12% | 4% | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 771 | 768 | 759 | 744 | 723 | 696 | 663 | 625 | 582 | 534 | 481 | 423 | 360 | 294 | 225 | 157 | 93 | 35 | 2 | 0 |
| 100% | 100% | 98% | 96% | 94% | 90% | 86% | 81% | 75% | 69% | 62% | 55% | 47% | 38% | 29% | 20% | 12% | 5% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 771 | 767 | 759 | 743 | 722 | 695 | 663 | 624 | 581 | 533 | 480 | 421 | 359 | 293 | 225 | 157 | 92 | 34 | 1 | 0 |
| 100% | 99% | 98% | 96% | 94% | 90% | 86% | 81% | 75% | 69% | 62% | 55% | 46% | 38% | 29% | 20% | 12% | 4% | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 771 | 768 | 759 | 744 | 723 | 696 | 663 | 625 | 582 | 534 | 481 | 423 | 360 | 294 | 225 | 157 | 93 | 35 | 2 | 0 |
| 100% | 100% | 98% | 96% | 94% | 90% | 86% | 81% | 75% | 69% | 62% | 55% | 47% | 38% | 29% | 20% | 12% | 5% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 115,9° | 162,5° | 173° | 78,1% | 52,6% |

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 | 22,7 | 23,9 | 22,9 | 24,2 | 24,4 | 22,7 | 23,9 | 22,9 | 24,2 | 24,5 |
| | 3H | 24,2 | 25,5 | 24,6 | 25,7 | 25,9 | 24,2 | 25,5 | 24,6 | 25,8 | 26,0 |
| | 4H | 24,8 | 26,0 | 25,2 | 26,3 | 26,6 | 24,8 | 26,1 | 25,2 | 26,3 | 26,6 |
| | 6H | 25,3 | 26,4 | 25,6 | 26,7 | 27,1 | 25,4 | 26,4 | 25,7 | 26,7 | 27,1 |
| | 8H | 25,5 | 26,5 | 25,8 | 26,8 | 27,2 | 25,5 | 26,5 | 25,8 | 26,8 | 27,2 |
| 4H | 12H | 25,5 | 26,5 | 25,9 | 26,9 | 27,3 | 25,5 | 26,5 | 25,9 | 26,9 | 27,3 |
| | 2H | 23,3 | 24,5 | 23,7 | 24,8 | 25,1 | 23,3 | 24,5 | 23,7 | 24,8 | 25,1 |
| | 3H | 25,1 | 26,1 | 25,5 | 26,5 | 26,9 | 25,1 | 26,1 | 25,5 | 26,5 | 26,9 |
| | 4H | 25,8 | 26,7 | 26,2 | 27,1 | 27,7 | 25,8 | 26,7 | 26,3 | 27,2 | 27,7 |
| | 6H | 26,4 | 27,3 | 26,9 | 27,6 | 28,0 | 26,4 | 27,3 | 26,9 | 27,6 | 28,0 |
| 8H | 8H | 26,5 | 27,3 | 27,0 | 27,7 | 28,1 | 26,6 | 27,4 | 27,1 | 27,7 | 28,1 |
| | 12H | 26,6 | 27,3 | 27,1 | 27,7 | 28,2 | 26,7 | 27,3 | 27,1 | 27,8 | 28,2 |
| | 4H | 26,1 | 26,9 | 26,6 | 27,3 | 27,7 | 26,1 | 26,9 | 26,6 | 27,3 | 27,7 |
| | 6H | 26,8 | 27,4 | 27,3 | 27,9 | 28,4 | 26,8 | 27,4 | 27,3 | 27,9 | 28,5 |
| | 8H | 27,1 | 27,6 | 27,6 | 28,1 | 28,8 | 27,1 | 27,6 | 27,6 | 28,2 | 28,8 |
| 12H | 12H | 27,2 | 27,7 | 27,8 | 28,2 | 28,8 | 27,3 | 27,7 | 27,8 | 28,2 | 28,8 |
| | 4H | 26,1 | 26,8 | 26,6 | 27,2 | 27,7 | 26,1 | 26,8 | 26,6 | 27,2 | 27,7 |
| | 6H | 26,9 | 27,4 | 27,4 | 28,0 | 28,6 | 26,9 | 27,4 | 27,4 | 28,0 | 28,6 |
| 8H | 27,2 | 27,6 | 27,8 | 28,1 | 28,7 | 27,2 | 27,6 | 27,8 | 28,1 | 28,8 | |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | 0,1 / -0,1 | | | | | 0,1 / -0,1 | | | | | |
| S = 1.5H | 0,1 / -0,2 | | | | | 0,1 / -0,2 | | | | | |
| S = 2.0H | 0,4 / -0,5 | | | | | 0,4 / -0,5 | | | | | |
| Standard table | n/a | | | | | n/a | | | | | |
| Correction summand | n/a | | | | | n/a | | | | | |
| Corrected glare indices referring to 2282 lm total luminous flux | | | | | | | | | | | |

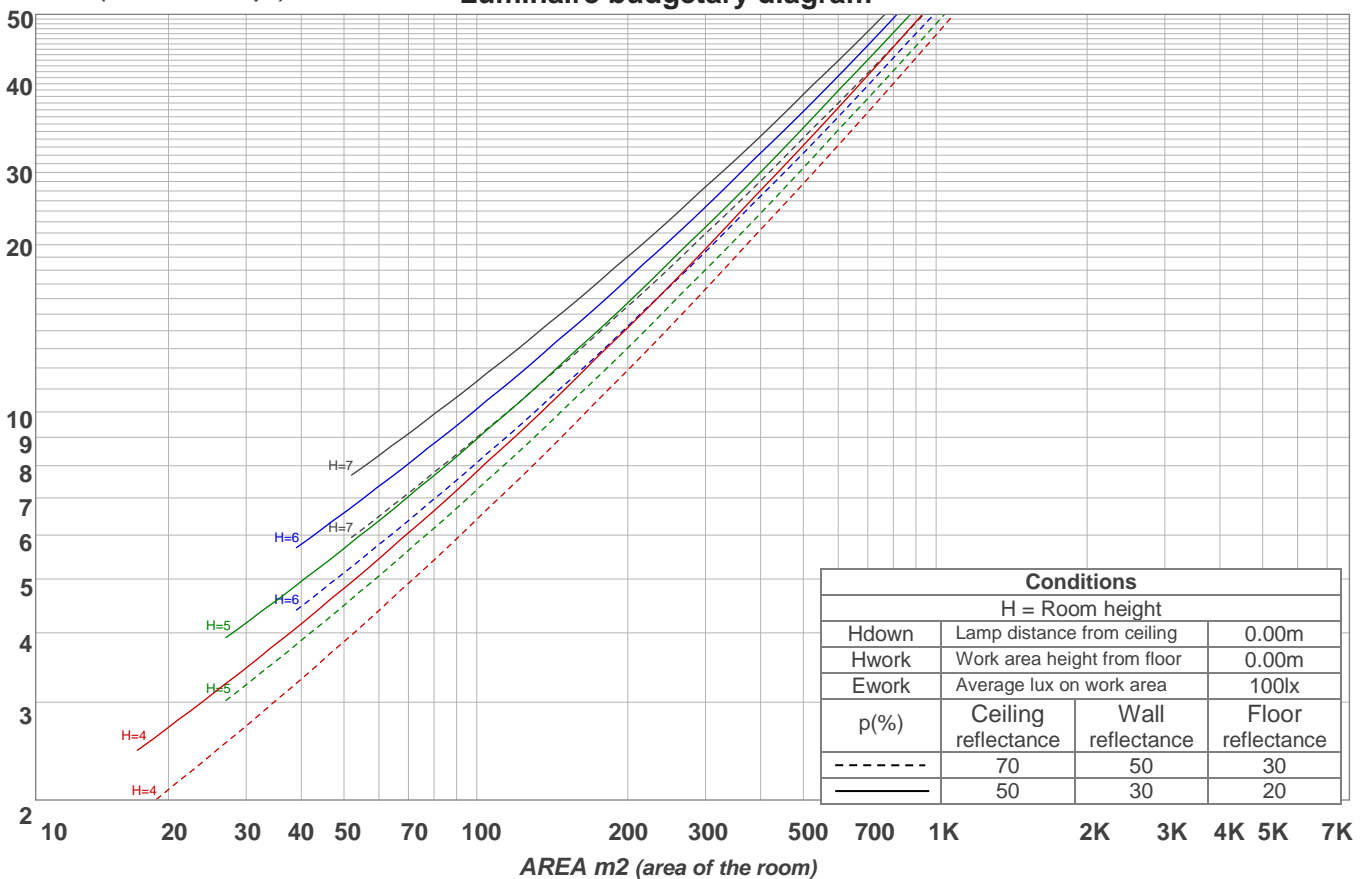
Light planning

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 | 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 | 109 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 87 | 85 | 83 | | | |
| 2 | 99 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 | | | |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 | | | |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 | | | |
| 6 | 69 | 56 | 47 | 40 | 68 | 55 | 46 | 40 | 53 | 46 | 40 | 51 | 45 | 39 | 50 | 44 | 39 | 37 | | | |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 | | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 29 | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | |
| 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 30 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 24 | | | |

LAMPS (number of lamps)

Luminaire budgetary diagram

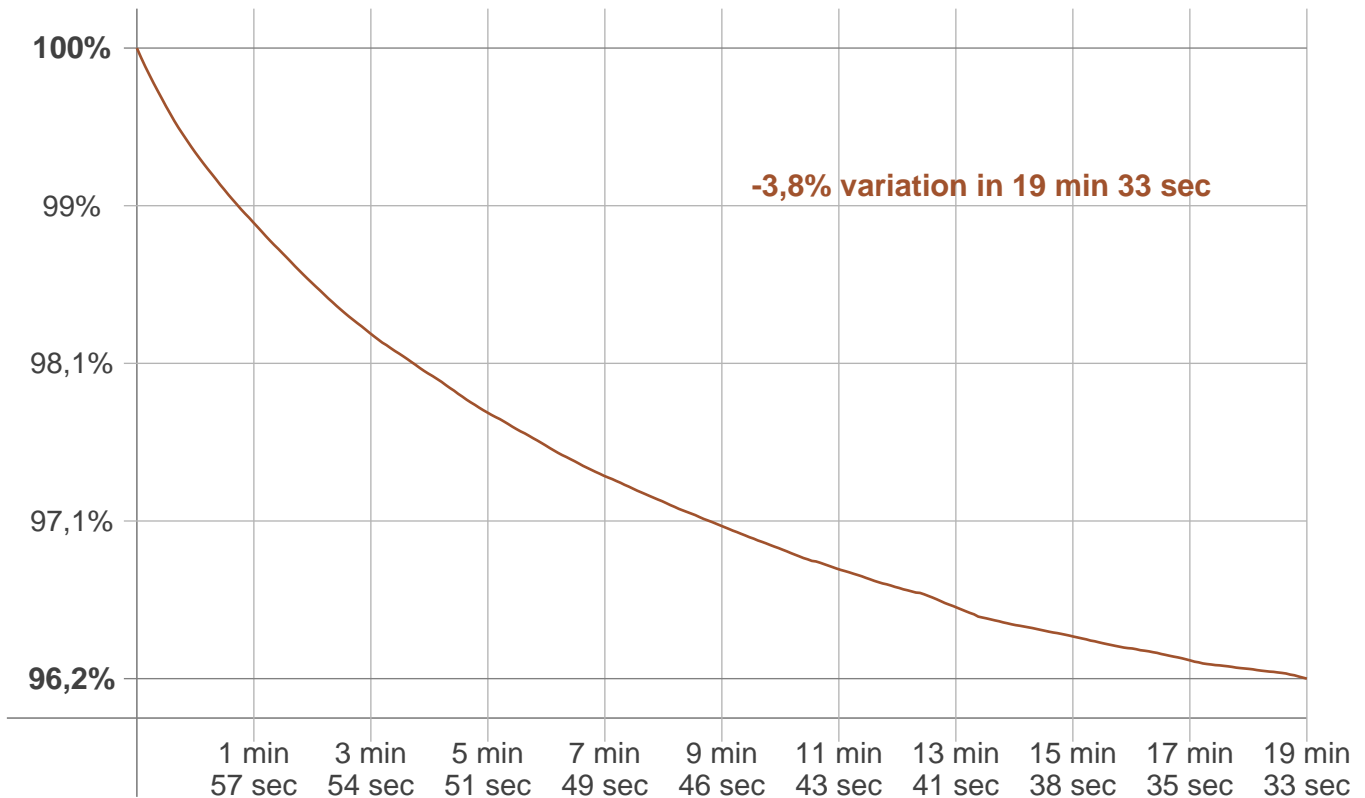


Zonal Lumen Summary

| | | | | | | | | |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
| 73,0 lm | 210 lm | 321 lm | 391 lm | 411 lm | 377 lm | 290 lm | 166 lm | 41,5 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 0,253 lm | 0,247 lm | 0,320 lm | 0,366 lm | 0,371 lm | 0,339 lm | 0,276 lm | 0,179 lm | 0,063 lm |

Stabilization

Warmup curve



Warmup result

| | |
|------------------|---------------|
| Warmup time: | 19 min 33 sec |
| Warmup variation | -3,8% |

Warmup conditions

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

Color temperature change

| CCT start | CCT change | CCT end |
|-----------|------------|---------|
| 2996 K | +15 K | 3011 K |

Output change

| Output start | Output change | Output end |
|--------------|---------------|------------|
| 2370 lm | -87 lm | 2282 lm |