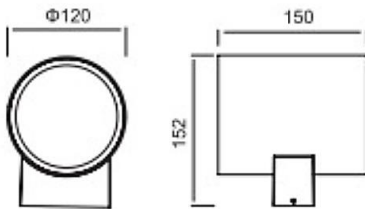


Luminaria para exterior



Dimensiones (mm)

Diámetro: Ø120; **Ancho:** 152
Alto: 150.



Código

WL583-GN

Descripción

Luminaria tipo aplique directa-indirecta, diseñada con módulos de LED integrado. Para sobreponer en pared o muro, con difusor en vidrio transparente, con óptico especular facetado para un mejor reparto lumínico.


Materiales y acabado

Cuerpo en aluminio extruido y sujetador en aluminio inyectado. Ambas con acabado en pintura poliéster electrostática texturizada. Cubierto con doble anti-corrosivo.

Color

Gris Mate.

Características técnicas

| | | | | |
|----------------|--------------------|------------------|--------------|---|
| LED | 43° X 43° | 30,000h | IP 65 | CLASE I |
| PF 0,99 | THD <20% | °C -20-45 | V 120 |  |

Fuente de luz

Módulos de LED.

| Potencia Nominal | CRI | K | Lm / W | Lm de Salida |
|------------------|-----|------|--------|--------------|
| 30W | >80 | 3000 | 103 | 2854 |

Características de fuente de luz

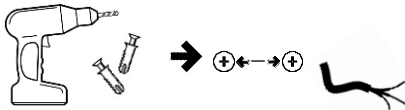
- Color temperatura disponible 3000K (cálido).
- Potencia de Salida: 27,7W.

Instalación

Se debe tener en cuenta la alimentación de la luminaria, para ubicarla.

Se recomienda realizar **empalmes** sin energía.

1. Retirar los tornillos ubicados en los laterales de la luminaria. Y aislar el sujetador que se debe ubicar en la pared.
2. Realizar perforaciones para ubicar el sujetador con los accesorios incluidos en el empaque. Realizar la conexión eléctrica atravesando el cable por la perforación de diámetro mayor.



3. Colocar el chasis de la luminaria en el sujetador previamente ubicado en la pared.
4. Asegurar el chasis al sujetador con los tornillos (retirados en el paso 2).



5. Verificar la correcta instalación.

Mantenimiento de las luminarias

Es esencial llevar a cabo periódicamente inspecciones y mantenimiento a las luminarias instaladas, ya que estas reciben influencia de las condiciones de operación y del medio donde se ubican.

1. Mantenimiento correctivo

El mantenimiento correctivo de las luminarias consiste en localizar, reparar y adecuar las instalaciones para que funcionen el máximo número de horas posible, con el desempeño para el que fueron diseñadas.

Las actividades que componen el mantenimiento correctivo son:

- Localización y reparación de averías
- Adecuación de instalaciones

Para la ejecución del mantenimiento correctivo es importante tener en cuenta los siguientes aspectos:

- Si se genera algún inconveniente en la regleta LED por favor comunicarse con la empresa.
- Revisar el encendido, apagado y el correcto funcionamiento de la luminaria.
- Limpiar las regletas LED y el conjunto óptico de las luminarias con aire comprimido. Para manipular la luminaria se recomienda utilizar guantes quirúrgicos.

2. Mantenimiento preventivo

Dentro de las técnicas de diagnóstico se deben considerar las mediciones eléctricas en diferentes puntos de la red, así como la medición de parámetros eléctricos de operación de las luminarias y sus componentes.

3. Mantenimiento de las instalaciones eléctricas de las luminarias

La persona encargada de la operación y el mantenimiento de las instalaciones eléctricas de las luminarias será responsable de mantenerlas en condiciones seguras, por lo tanto deben garantizar que se cumplan las disposiciones del reglamento que establece los requisitos que deben cumplir los sistemas de alumbrado y verificar que estas conexiones no presenten ningún riesgo para la salud o la vida de las personas, animales o el medio ambiente.

Light efficiency:



Light quality:



Color temperature:



Output: 2854 lm

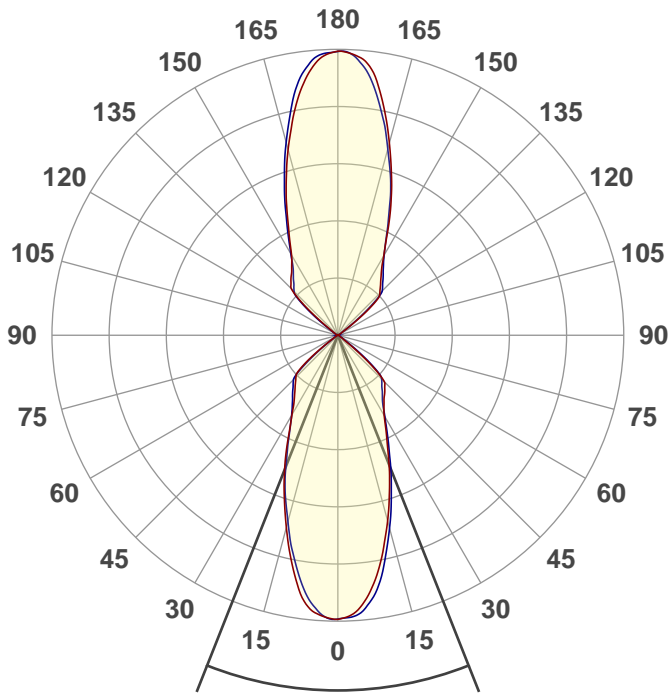
Peak: 1692 cd

Power: 27,7 W

PF: 0,99



Product name:
E0489-WL583-GN



Beam angle **43,2°**



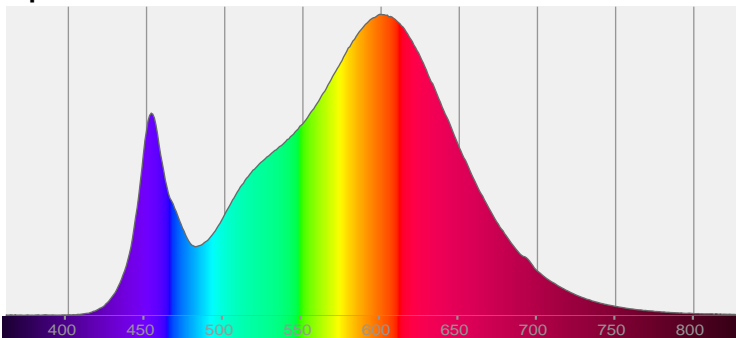
CIE 1931
x: 0,422
y: 0,395

THD Values:

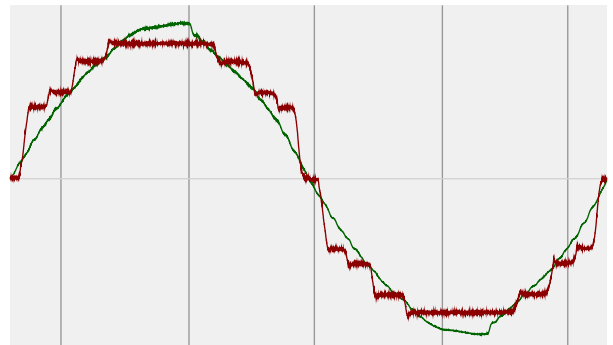
Voltage: 2,85%

Current: 15,52%

Spectra



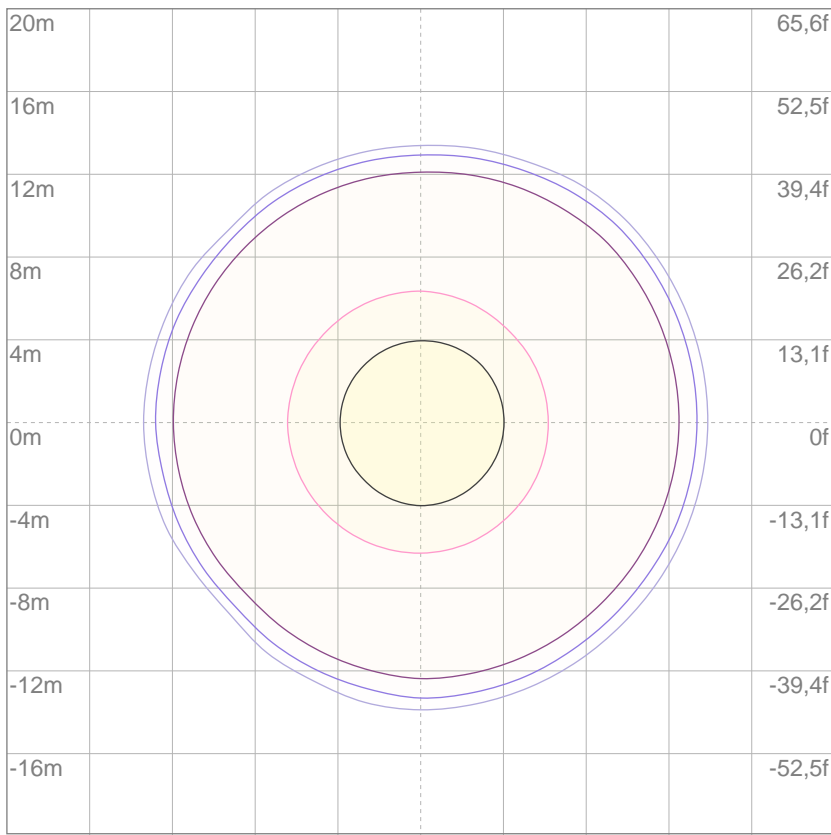
Power



Voltage: 112 V
Current: 0,250 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



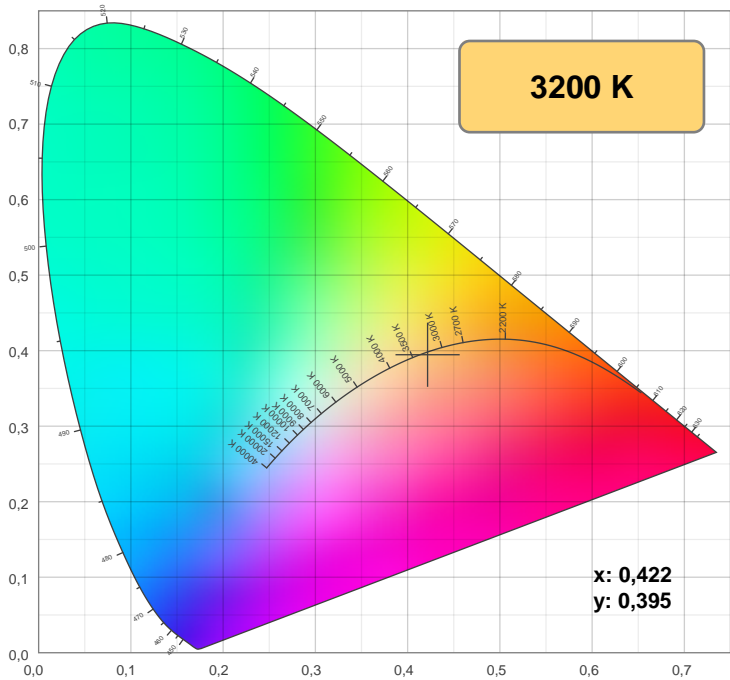
| | |
|-----|----------|
| 3% | 0,506 lx |
| 5% | 0,844 lx |
| 10% | 1,69 lx |
| 30% | 5,06 lx |
| 50% | 8,44 lx |

Conditions:
 Number of c-planes: 8
 Lux at center: 16,9 lx

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

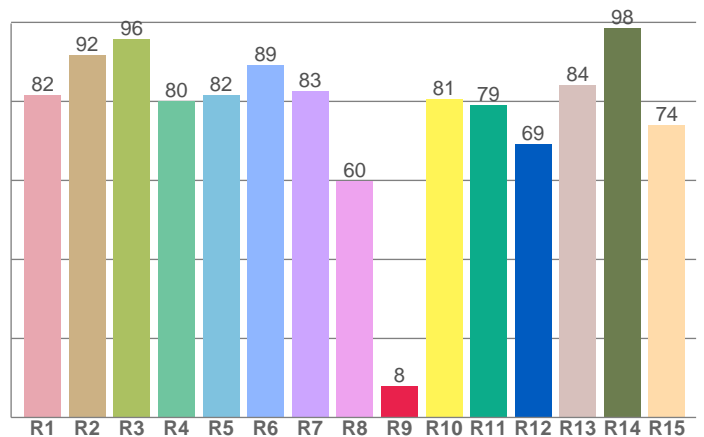
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 82,8 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 81,5 | 91,7 | 95,7 | 80,2 | 81,5 | 89,2 | 82,5 | 59,8 | 7,9 | 80,5 | 79,2 | 69,3 | 84,2 | 98,5 | 74,1 |

Color parameters

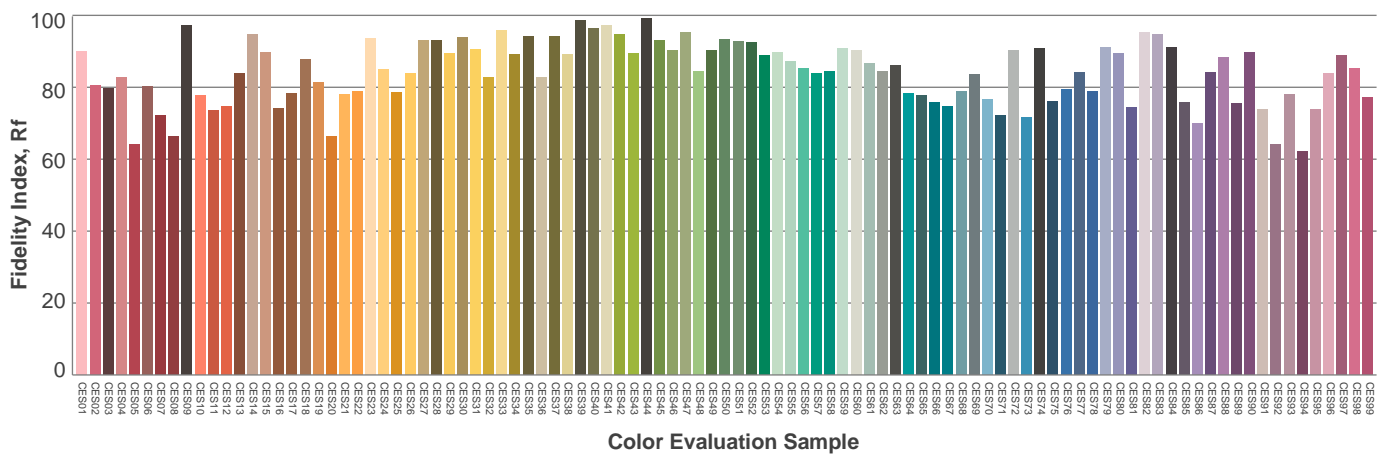
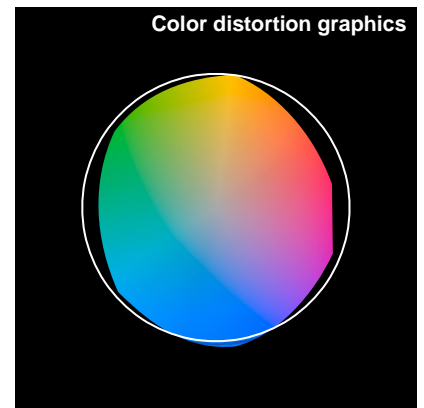
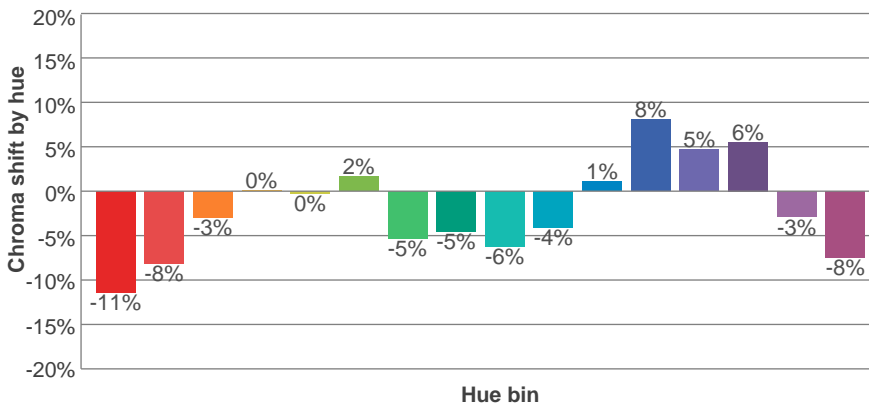
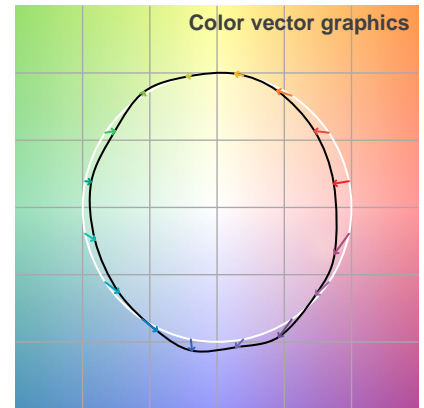
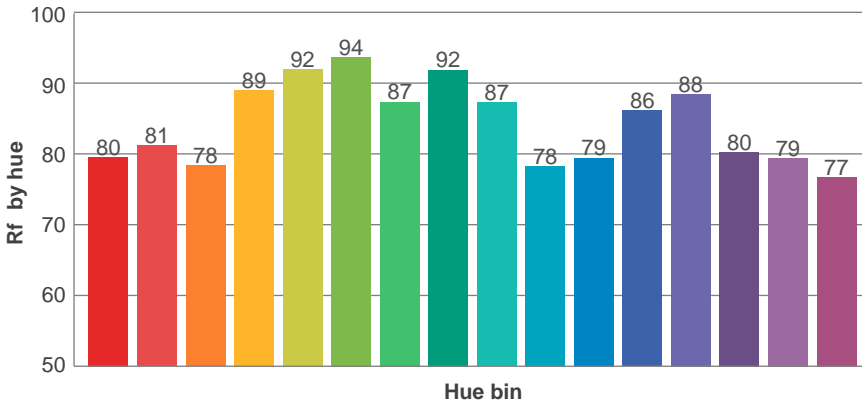
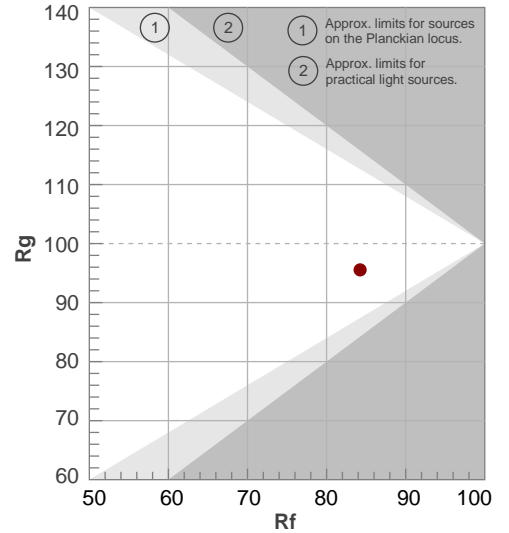
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3200 K | 82,8 | 7,9 | 84,2 | 95,5 | 81,5 | 0,422 | 0,395 | 0,245 | 0,344 | -0,0015 |

TM-30 details

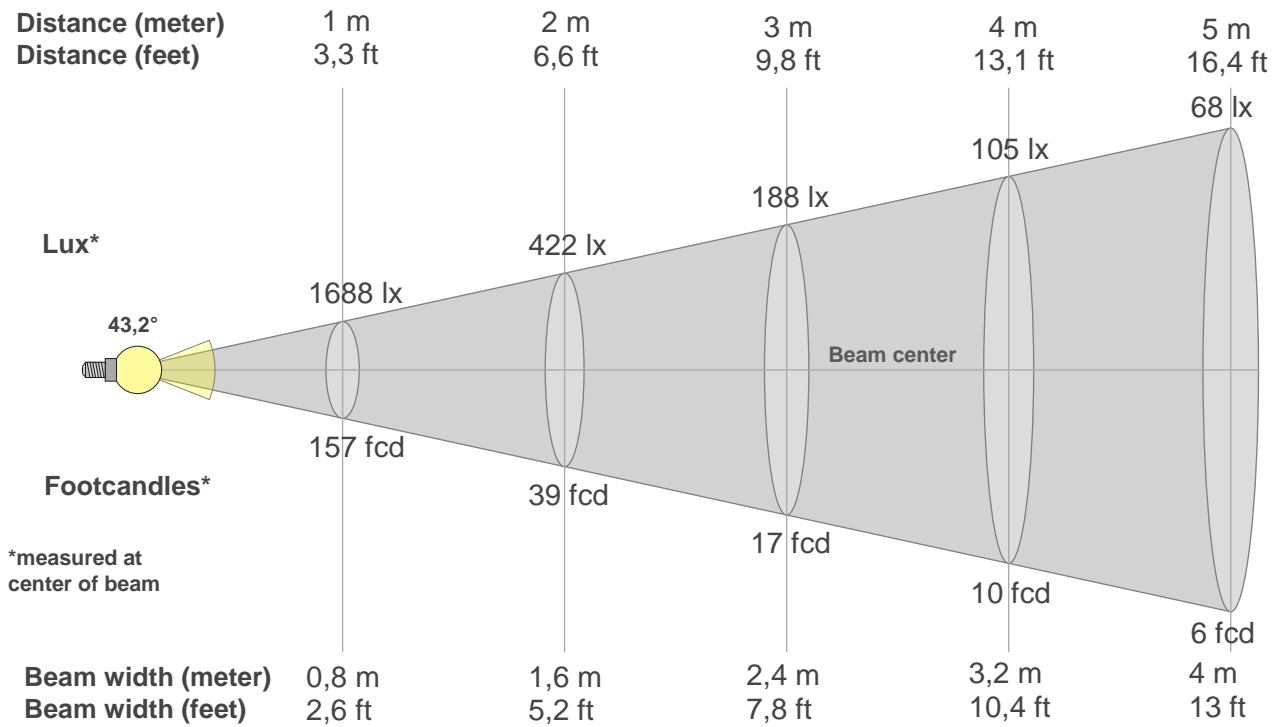
Rf 84,2
Fidelity index Rf

Rg 95,5
Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 80 | -11% | 0% |
| 2 | 81 | -8% | 7% |
| 3 | 78 | -3% | 11% |
| 4 | 89 | 0% | 6% |
| 5 | 92 | 0% | 3% |
| 6 | 94 | 2% | -3% |
| 7 | 87 | -5% | -5% |
| 8 | 92 | -5% | 0% |
| 9 | 87 | -6% | 6% |
| 10 | 78 | -4% | 12% |
| 11 | 79 | 1% | 14% |
| 12 | 86 | 8% | 3% |
| 13 | 88 | 5% | -6% |
| 14 | 80 | 6% | -15% |
| 15 | 79 | -3% | -13% |
| 16 | 77 | -8% | -17% |



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 | m |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ft | 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 | lx |
| fcd | 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° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 1688 | 1458 | 993 | 630 | 468 | 390 | 44 | 13 | 8 | 4 | 0 | 4 | 7 | 9 | 58 | 354 | 438 | 634 | 1030 | 1516 |
| 100% | 86% | 59% | 37% | 28% | 23% | 3% | 1% | 0% | 0% | 0% | 0% | 0% | 1% | 3% | 21% | 26% | 38% | 61% | 90% |

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° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 1688 | 1520 | 1030 | 646 | 451 | 368 | 58 | 12 | 8 | 4 | 1 | 4 | 7 | 9 | 37 | 373 | 459 | 628 | 1011 | 1459 |
| 100% | 90% | 61% | 38% | 27% | 22% | 3% | 1% | 0% | 0% | 0% | 0% | 0% | 1% | 2% | 22% | 27% | 37% | 60% | 86% |

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° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 1688 | 1516 | 1030 | 634 | 438 | 354 | 58 | 9 | 7 | 4 | 0 | 4 | 8 | 13 | 44 | 390 | 468 | 630 | 993 | 1458 |
| 100% | 90% | 61% | 38% | 26% | 21% | 3% | 1% | 0% | 0% | 0% | 0% | 0% | 1% | 3% | 23% | 28% | 37% | 59% | 86% |

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° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 1688 | 1459 | 1011 | 628 | 459 | 373 | 37 | 9 | 7 | 4 | 1 | 4 | 8 | 12 | 58 | 368 | 451 | 646 | 1030 | 1520 |
| 100% | 86% | 60% | 37% | 27% | 22% | 2% | 1% | 0% | 0% | 0% | 0% | 0% | 1% | 3% | 22% | 27% | 38% | 61% | 90% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 43,2° | 360° | 360° | 49,4% | 43,3% |

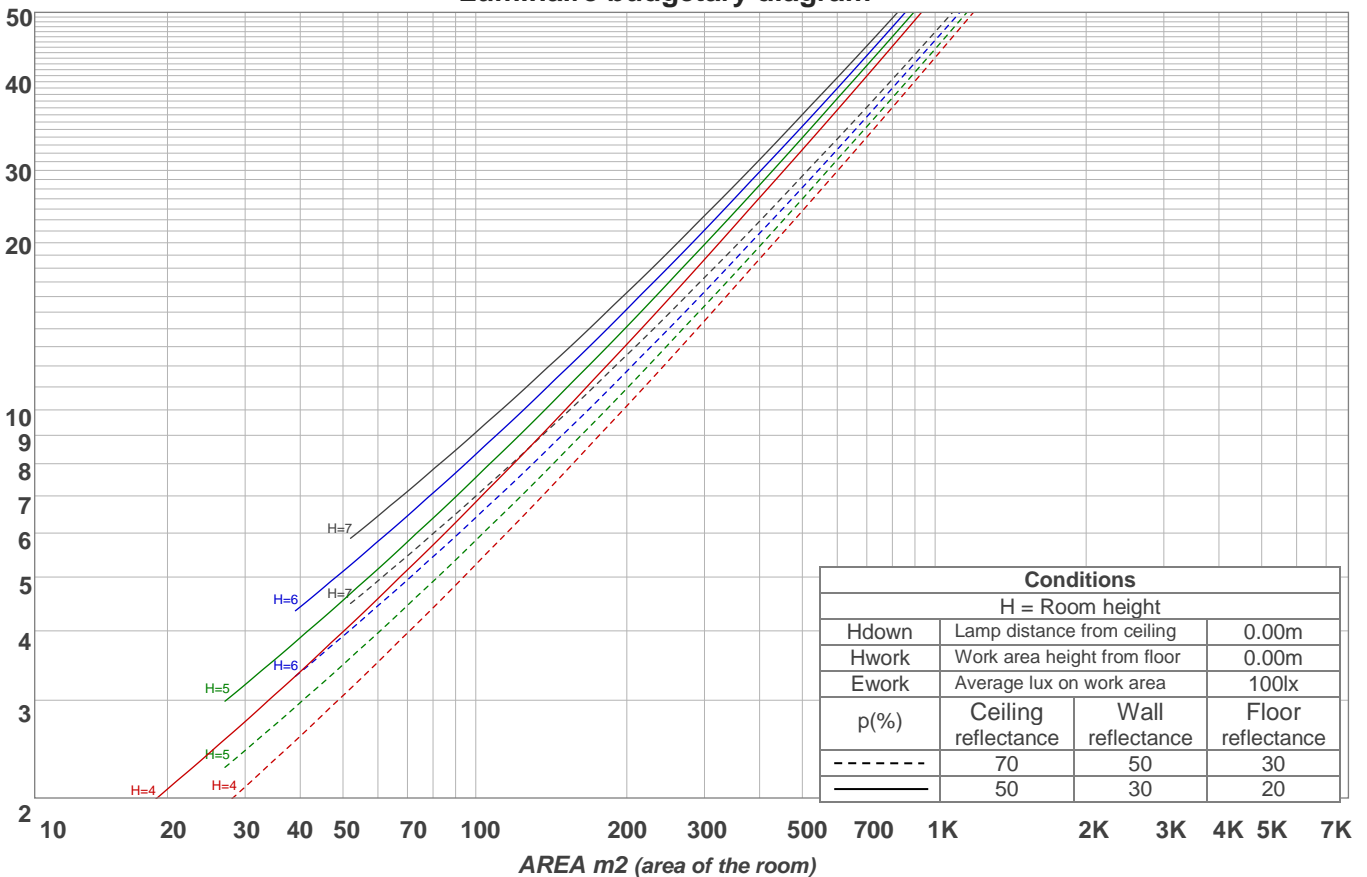
Light planning

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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 | | | |
| 1 | 100 | 96 | 93 | 90 | 92 | 89 | 86 | 84 | 76 | 74 | 72 | 64 | 63 | 61 | 53 | 52 | 51 | 46 | | | |
| 2 | 93 | 86 | 81 | 77 | 86 | 80 | 76 | 72 | 69 | 66 | 63 | 59 | 57 | 55 | 49 | 48 | 46 | 42 | | | |
| 3 | 86 | 78 | 72 | 67 | 80 | 73 | 68 | 63 | 63 | 59 | 56 | 54 | 51 | 49 | 46 | 44 | 42 | 38 | | | |
| 4 | 80 | 71 | 64 | 59 | 74 | 66 | 60 | 56 | 58 | 53 | 50 | 50 | 47 | 44 | 42 | 40 | 39 | 35 | | | |
| 5 | 74 | 64 | 57 | 52 | 69 | 60 | 54 | 50 | 53 | 48 | 45 | 46 | 43 | 40 | 39 | 37 | 35 | 32 | | | |
| 6 | 69 | 59 | 52 | 47 | 64 | 55 | 49 | 45 | 49 | 44 | 41 | 43 | 39 | 36 | 37 | 34 | 32 | 30 | | | |
| 7 | 65 | 54 | 47 | 42 | 60 | 51 | 45 | 40 | 45 | 40 | 37 | 40 | 36 | 33 | 34 | 32 | 30 | 27 | | | |
| 8 | 61 | 50 | 43 | 38 | 57 | 47 | 41 | 37 | 42 | 37 | 34 | 37 | 33 | 31 | 32 | 30 | 28 | 26 | | | |
| 9 | 57 | 46 | 40 | 35 | 53 | 44 | 38 | 34 | 39 | 34 | 31 | 35 | 31 | 28 | 30 | 28 | 26 | 24 | | | |
| 10 | 54 | 43 | 36 | 32 | 50 | 41 | 35 | 31 | 36 | 32 | 29 | 32 | 29 | 26 | 29 | 26 | 24 | 22 | | | |

LAMPS (number of lamps)

Luminaire budgetary diagram

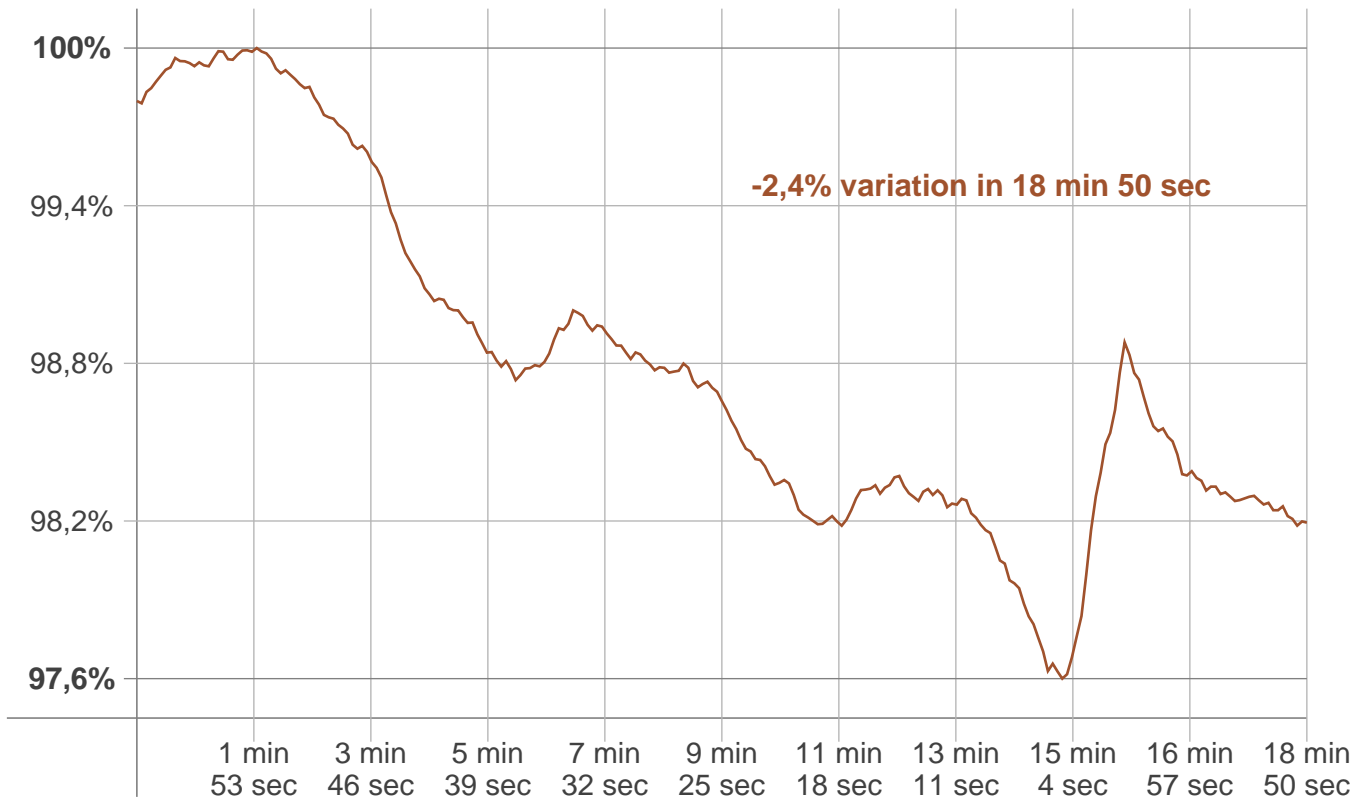


Zonal Lumen Summary

| | | | | | | | | |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
| 150 lm | 324 lm | 325 lm | 293 lm | 265 lm | 52,1 lm | 9,26 lm | 6,74 lm | 2,30 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 2,30 lm | 6,74 lm | 9,26 lm | 52,1 lm | 265 lm | 293 lm | 325 lm | 324 lm | 150 lm |

Stabilization

Warmup curve



Warmup result

| | |
|------------------|---------------|
| Warmup time: | 18 min 50 sec |
| Warmup variation | -2,4% |

Warmup conditions

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

Color temperature change

| CCT start | CCT change | CCT end |
|-----------|------------|---------|
| 3183 K | +17 K | 3200 K |

Output change

| Output start | Output change | Output end |
|--------------|---------------|------------|
| 2889 lm | -35 lm | 2854 lm |