

## PROJECTE MAS LLUI POLIESPORTIU

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Terreno 1

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## Lista de luminarias

|                              |                         |                                    |
|------------------------------|-------------------------|------------------------------------|
| $\Phi_{total}$<br>1078433 lm | $P_{total}$<br>9067.2 W | Rendimiento lumínico<br>118.9 lm/W |
|------------------------------|-------------------------|------------------------------------|

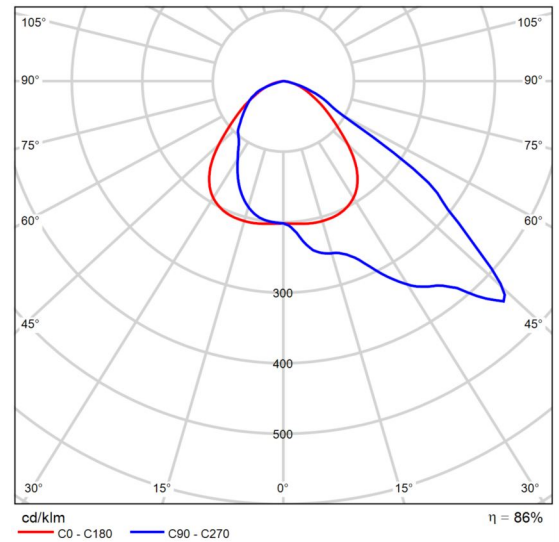
| Uni. | Fabricante | Nº de artículo   | Nombre del artículo   | P       | $\Phi$   | Rendimiento lumínico |
|------|------------|--|---|---------|----------|----------------------|
| 24   | Philips    |  | CoreLine Downlight gen5 DN142B 10S PSU-E<br>IP54 1xLED/4000K WR | 9.8 W   | 1200 lm  | 122.4 lm/W           |
| 37   | Philips    |  | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W  | 2349 lm  | 122.4 lm/W           |
| 24   | Philips    |  | SM350C L1200 PSD 1 x18S/840 PCS                                 | 13.6 W  | 1799 lm  | 132.3 lm/W           |
| 24   | Philips    |  | TRUE CIRCLE SM 1xLED37S/840 PSP                                 | 35.5 W  | 3699 lm  | 104.2 lm/W           |
| 20   | Philips    |  | WT120C G2 L1200 1 xLED40S/840                                   | 28.5 W  | 4000 lm  | 140.4 lm/W           |
| 2    | Philips    |  | WT120C G2 PSU L1500 1 xLED60S/840                               | 45.0 W  | 6000 lm  | 133.3 lm/W           |
| 24   | Philips    | BVP650I-<br>61507a2f-<br>8a11-4063-<br>b560-<br>fa524d31b79c | BVP650 T35 LED360-4S/840 PSM OFA52                              | 261.8 W | 30782 lm | 117.6 lm/W           |

## Ficha de producto

Philips - BVP650 T35 LED360-4S/840 PSM OFA52



|                      |  |
|----------------------|--|
| Nº de artículo       | BVP650I-61507a2f-8a11-4063-b560-fa524d31b79c |
| P                    | 261.8 W                                      |
| $\Phi$ Lámpara       | 36000 lm                                     |
| $\Phi$ Luminaria     | 30782 lm                                     |
| $\eta$               | 85.51 %                                      |
| Rendimiento lumínico | 117.6 lm/W                                   |
| CCT                  | 4000 K                                       |
| CRI                  | 80   |



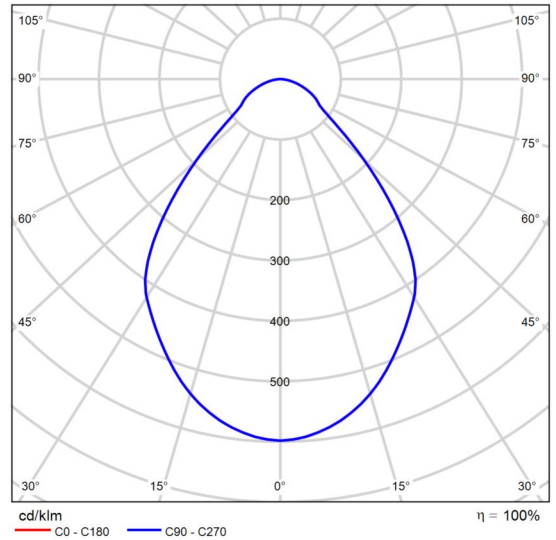
CDL polar

## Ficha de producto

Philips - CoreLine Downlight gen5 DN142B 10S PSU-E IP54 1xLED/4000K WR



|                           |            |
|---------------------------|------------|
| P                         | 9.8 W      |
| $\Phi_{\text{Lámpara}}$   | 1200 lm    |
| $\Phi_{\text{Luminaria}}$ | 1200 lm    |
| $\eta$                    | 99.96 %    |
| Rendimiento lumínico      | 122.4 lm/W |
| CCT                       | 3000 K     |
| CRI                       | 100        |



CDL polar

| Valoración de deslumbramiento según UGR                                       |     |   |      |      |      |      |  |      |      |      |      |      |      |
|---|-----|---|------|------|------|------|--|------|------|------|------|------|------|
| p Techo   |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   | 30   |      |
| p Paredes   |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   | 30   |      |
| p Suelo   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |      |
| Tamaño del local X Y  |     | Mirado en perpendicular al eje de lámpara |      |      |      |      | Mirado longitudinalmente al eje de lámpara |      |      |      |      |      |      |
| 2H  | 2H  | 21.1                                      | 22.1 | 21.3 | 22.4 | 22.6 | 21.1                                       | 22.1 | 21.3 | 22.4 | 22.6 | 22.6 |      |
|   | 3H  | 21.8                                      | 22.8 | 22.2 | 23.1 | 23.3 | 21.8                                       | 22.8 | 22.2 | 23.1 | 23.3 | 23.3 |      |
|   | 4H  | 22.2                                      | 23.1 | 22.5 | 23.4 | 23.7 | 22.2                                       | 23.1 | 22.5 | 23.4 | 23.7 | 23.7 |      |
|   | 6H  | 22.4                                      | 23.3 | 22.8 | 23.6 | 23.9 | 22.4                                       | 23.3 | 22.8 | 23.6 | 23.9 | 23.9 |      |
|   | 8H  | 22.5                                      | 23.3 | 22.9 | 23.6 | 23.9 | 22.5                                       | 23.3 | 22.9 | 23.6 | 23.9 | 23.9 |      |
|   | 12H | 22.5                                      | 23.3 | 22.9 | 23.6 | 24.0 | 22.5                                       | 23.3 | 22.9 | 23.6 | 24.0 | 24.0 |      |
| 4H  | 2H  | 21.3                                      | 22.3 | 21.7 | 22.5 | 22.8 | 21.3                                       | 22.3 | 21.7 | 22.5 | 22.8 | 22.8 |      |
|   | 3H  | 22.3                                      | 23.1 | 22.7 | 23.4 | 23.8 | 22.3                                       | 23.1 | 22.7 | 23.4 | 23.8 | 23.8 |      |
|   | 4H  | 22.8                                      | 23.5 | 23.2 | 23.9 | 24.2 | 22.8                                       | 23.5 | 23.2 | 23.9 | 24.2 | 24.2 |      |
|   | 6H  | 23.2                                      | 23.8 | 23.6 | 24.2 | 24.6 | 23.2                                       | 23.8 | 23.6 | 24.2 | 24.6 | 24.6 |      |
|   | 8H  | 23.3                                      | 23.9 | 23.7 | 24.2 | 24.7 | 23.3                                       | 23.9 | 23.7 | 24.2 | 24.7 | 24.7 |      |
|   | 12H | 23.3                                      | 23.9 | 23.8 | 24.3 | 24.7 | 23.3                                       | 23.9 | 23.8 | 24.3 | 24.7 | 24.7 |      |
| 8H  | 4H  | 23.0                                      | 23.5 | 23.4 | 23.9 | 24.3 | 23.0                                       | 23.5 | 23.4 | 23.9 | 24.3 | 24.3 |      |
|   | 6H  | 23.4                                      | 23.9 | 23.9 | 24.3 | 24.8 | 23.4                                       | 23.9 | 23.9 | 24.3 | 24.8 | 24.8 |      |
|   | 8H  | 23.6                                      | 24.0 | 24.1 | 24.5 | 25.0 | 23.6                                       | 24.0 | 24.1 | 24.5 | 25.0 | 25.0 |      |
|   | 12H | 23.7                                      | 24.1 | 24.2 | 24.6 | 25.1 | 23.7                                       | 24.1 | 24.2 | 24.6 | 25.1 | 25.1 |      |
|   | 12H | 4H  | 23.0 | 23.5 | 23.4 | 23.9 | 24.3                                       | 23.0 | 23.5 | 23.4 | 23.9 | 24.3 | 24.3 |
|   |     | 6H  | 23.5 | 23.9 | 23.9 | 24.3 | 24.8                                       | 23.5 | 23.9 | 23.9 | 24.3 | 24.8 | 24.8 |
| 8H  |     | 23.7                                      | 24.0 | 24.2 | 24.5 | 25.0 | 23.7                                       | 24.0 | 24.2 | 24.5 | 25.0 | 25.0 |      |
| Variación de la posición del espectador para separaciones S entre luminarias  |     |   |      |      |      |      |  |      |      |      |      |      |      |
| S = 1.0H  |     | +0.6 / -0.8                               |      |      |      |      | +0.6 / -0.8                                |      |      |      |      |      |      |
| S = 1.5H  |     | +1.2 / -1.0                               |      |      |      |      | +1.2 / -1.0                                |      |      |      |      |      |      |
| S = 2.0H  |     | +2.2 / -1.4                               |      |      |      |      | +2.2 / -1.4                                |      |      |      |      |      |      |
| Tabla estándar  |     | BK04                                      |      |      |      |      | BK04                                       |      |      |      |      |      |      |
| Sumando de corrección   |     | 6.1                                       |      |      |      |      | 6.1  |      |      |      |      |      |      |
| Índice de deslumbramiento corregido en relación a 1200lm Flujo luminoso total |     |   |      |      |      |      |  |      |      |      |      |      |      |

Diagrama UGR (SHR: 0.25)

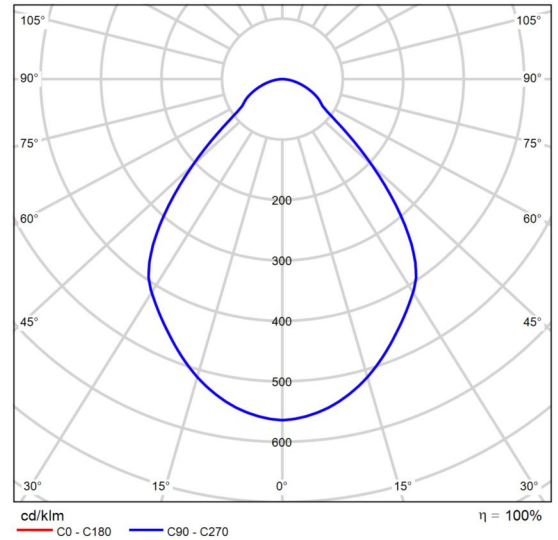


## Ficha de producto

Philips - CoreLine Downlight gen5 DN142B 20S PSU-E IP54 1xLED/4000K WR



|                      |            |
|----------------------|------------|
| P                    | 19.2 W     |
| $\Phi$ Lámpara       | 2350 lm    |
| $\Phi$ Luminaria     | 2349 lm    |
| $\eta$               | 99.96 %    |
| Rendimiento lumínico | 122.4 lm/W |
| CCT                  | 3000 K     |
| CRI                  | 100        |



CDL polar

| Valoración de deslumbramiento según UGR                                       |     |   |      |      |      |      |  |      |      |      |      |      |      |
|---|-----|---|------|------|------|------|--|------|------|------|------|------|------|
|   |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   | 30   |      |
| p Techo   |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   | 30   |      |
| p Paredes   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |      |
| p Suelo   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |      |
| Tamaño del local X Y  |     | Mirado en perpendicular al eje de lámpara |      |      |      |      | Mirado longitudinalmente al eje de lámpara |      |      |      |      |      |      |
| 2H  | 2H  | 21.5                                      | 22.6 | 21.8 | 22.8 | 23.0 | 21.5                                       | 22.6 | 21.8 | 22.8 | 23.0 | 23.0 |      |
|   | 3H  | 22.3                                      | 23.3 | 22.6 | 23.5 | 23.8 | 22.3                                       | 23.3 | 22.6 | 23.5 | 23.8 | 23.8 |      |
|   | 4H  | 22.6                                      | 23.6 | 22.9 | 23.8 | 24.1 | 22.6                                       | 23.6 | 22.9 | 23.8 | 24.1 | 24.1 |      |
|   | 6H  | 22.9                                      | 23.8 | 23.2 | 24.1 | 24.4 | 22.9                                       | 23.8 | 23.2 | 24.1 | 24.4 | 24.4 |      |
|   | 8H  | 23.0                                      | 23.8 | 23.3 | 24.1 | 24.4 | 23.0                                       | 23.8 | 23.3 | 24.1 | 24.4 | 24.4 |      |
|   | 12H | 23.0                                      | 23.8 | 23.4 | 24.2 | 24.5 | 23.0                                       | 23.8 | 23.4 | 24.2 | 24.5 | 24.5 |      |
| 4H  | 2H  | 21.7                                      | 22.7 | 22.1 | 23.0 | 23.2 | 21.7                                       | 22.7 | 22.1 | 23.0 | 23.2 | 23.2 |      |
|   | 3H  | 22.8                                      | 23.6 | 23.1 | 23.9 | 24.2 | 22.8                                       | 23.6 | 23.1 | 23.9 | 24.2 | 24.2 |      |
|   | 4H  | 23.2                                      | 24.0 | 23.6 | 24.3 | 24.7 | 23.2                                       | 24.0 | 23.6 | 24.3 | 24.7 | 24.7 |      |
|   | 6H  | 23.6                                      | 24.3 | 24.1 | 24.8 | 25.0 | 23.6                                       | 24.3 | 24.1 | 24.8 | 25.0 | 25.0 |      |
|   | 8H  | 23.8                                      | 24.4 | 24.2 | 24.8 | 25.2 | 23.8                                       | 24.4 | 24.2 | 24.8 | 25.2 | 25.2 |      |
|   | 12H | 23.9                                      | 24.4 | 24.3 | 24.8 | 25.2 | 23.9                                       | 24.4 | 24.3 | 24.8 | 25.2 | 25.2 |      |
| 8H  | 4H  | 23.4                                      | 24.0 | 23.9 | 24.4 | 24.8 | 23.4                                       | 24.0 | 23.9 | 24.4 | 24.8 | 24.8 |      |
|   | 6H  | 23.9                                      | 24.4 | 24.4 | 24.8 | 25.3 | 23.9                                       | 24.4 | 24.4 | 24.8 | 25.3 | 25.3 |      |
|   | 8H  | 24.2                                      | 24.6 | 24.6 | 25.0 | 25.5 | 24.2                                       | 24.6 | 24.6 | 25.0 | 25.5 | 25.5 |      |
|   | 12H | 24.3                                      | 24.7 | 24.8 | 25.1 | 25.6 | 24.3                                       | 24.7 | 24.8 | 25.1 | 25.6 | 25.6 |      |
|   | 12H | 4H  | 23.4 | 24.0 | 23.9 | 24.4 | 24.8                                       | 23.4 | 24.0 | 23.9 | 24.4 | 24.8 | 24.8 |
|   |     | 6H  | 24.0 | 24.4 | 24.5 | 24.8 | 25.3                                       | 24.0 | 24.4 | 24.5 | 24.8 | 25.3 | 25.3 |
| 8H  |     | 24.2                                      | 24.6 | 24.7 | 25.0 | 25.5 | 24.2                                       | 24.6 | 24.7 | 25.0 | 25.5 | 25.5 |      |
| Variación de la posición del espectador para separaciones S entre luminarias  |     |   |      |      |      |      |  |      |      |      |      |      |      |
| S = 1.0H  |     | +0.5 / -0.8                               |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |      |      |
| S = 1.5H  |     | +1.2 / -1.0                               |      |      |      |      | +1.2 / -1.0                                |      |      |      |      |      |      |
| S = 2.0H  |     | +2.2 / -1.4                               |      |      |      |      | +2.2 / -1.4                                |      |      |      |      |      |      |
| Tabla estándar  |     | BK04                                      |      |      |      |      | BK04                                       |      |      |      |      |      |      |
| Sumando de corrección   |     | 6.5                                       |      |      |      |      | 6.5  |      |      |      |      |      |      |
| Índice de deslumbramiento corregido en relación a 2350lm Flujo luminoso total |     |   |      |      |      |      |  |      |      |      |      |      |      |

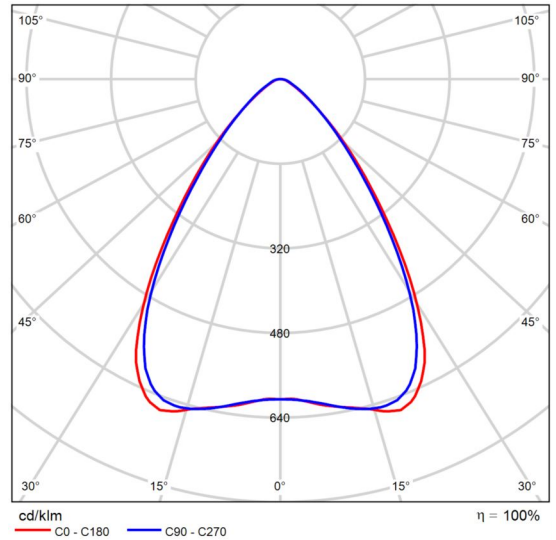
Diagrama UGR (SHR: 0.25)

## Ficha de producto

Philips - SM350C L1200 PSD 1 x18S/840 PCS



|                      |            |
|----------------------|------------|
| P                    | 13.6 W     |
| $\Phi_{Lámpara}$     | 1800 lm    |
| $\Phi_{Luminaria}$   | 1799 lm    |
| $\eta$               | 99.94 %    |
| Rendimiento lumínico | 132.3 lm/W |
| CCT                  | 4000 K     |
| CRI                  | 80         |



CDL polar

| Valoración de deslumbramiento según UGR                                       |   |      |      |      |      |  |      |      |      |      |      |  |
|---|---|------|------|------|------|--|------|------|------|------|------|--|
| p Techo   | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   | 30   |  |
| p Paredes   | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   | 30   |  |
| p Suelo   | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |  |
| Tamaño del local  | Mirado en perpendicular al eje de lámpara |      |      |      |      | Mirado longitudinalmente al eje de lámpara |      |      |      |      |      |  |
| X   | Y   |      |      |      |      |  |      |      |      |      |      |  |
| 2H  | 2H  | 15.1 | 16.1 | 15.4 | 16.3 | 16.5                                       | 15.1 | 16.0 | 15.3 | 16.2 | 16.5 |  |
|   | 3H  | 15.2 | 16.1 | 15.5 | 16.4 | 16.6                                       | 15.3 | 16.2 | 15.6 | 16.4 | 16.7 |  |
|   | 4H  | 15.3 | 16.1 | 15.6 | 16.4 | 16.6                                       | 15.4 | 16.2 | 15.7 | 16.5 | 16.8 |  |
|   | 6H  | 15.3 | 16.1 | 15.7 | 16.4 | 16.7                                       | 15.5 | 16.3 | 15.9 | 16.6 | 16.9 |  |
|   | 8H  | 15.3 | 16.1 | 15.7 | 16.4 | 16.7                                       | 15.6 | 16.3 | 15.9 | 16.6 | 16.9 |  |
|   | 12H                                       | 15.3 | 16.0 | 15.7 | 16.4 | 16.7                                       | 15.6 | 16.3 | 16.0 | 16.6 | 16.9 |  |
| 4H  | 2H  | 15.1 | 16.0 | 15.4 | 16.2 | 16.5                                       | 15.1 | 15.9 | 15.4 | 16.2 | 16.4 |  |
|   | 3H  | 15.3 | 16.0 | 15.7 | 16.3 | 16.7                                       | 15.5 | 16.2 | 15.8 | 16.5 | 16.8 |  |
|   | 4H  | 15.4 | 16.1 | 15.8 | 16.4 | 16.8                                       | 15.7 | 16.3 | 16.1 | 16.6 | 17.0 |  |
|   | 6H  | 15.5 | 16.1 | 16.0 | 16.5 | 16.9                                       | 15.9 | 16.4 | 16.3 | 16.8 | 17.2 |  |
|   | 8H  | 15.6 | 16.1 | 16.0 | 16.5 | 16.9                                       | 16.0 | 16.5 | 16.4 | 16.8 | 17.3 |  |
|   | 12H                                       | 15.6 | 16.1 | 16.0 | 16.5 | 16.9                                       | 16.0 | 16.5 | 16.5 | 16.9 | 17.3 |  |
| 8H  | 4H  | 15.5 | 16.0 | 15.9 | 16.4 | 16.8                                       | 15.7 | 16.2 | 16.1 | 16.6 | 17.0 |  |
|   | 6H  | 15.7 | 16.1 | 16.1 | 16.5 | 16.9                                       | 16.0 | 16.4 | 16.4 | 16.8 | 17.3 |  |
|   | 8H  | 15.7 | 16.1 | 16.2 | 16.5 | 17.0                                       | 16.1 | 16.5 | 16.6 | 16.9 | 17.4 |  |
|   | 12H                                       | 15.8 | 16.1 | 16.3 | 16.6 | 17.1                                       | 16.2 | 16.5 | 16.7 | 17.0 | 17.5 |  |
| 12H   | 4H  | 15.5 | 15.9 | 15.9 | 16.3 | 16.7                                       | 15.7 | 16.1 | 16.1 | 16.5 | 17.0 |  |
|   | 6H  | 15.7 | 16.0 | 16.1 | 16.5 | 16.9                                       | 16.0 | 16.4 | 16.5 | 16.8 | 17.3 |  |
|   | 8H  | 15.8 | 16.1 | 16.3 | 16.5 | 17.0                                       | 16.1 | 16.5 | 16.6 | 16.9 | 17.4 |  |
| Variación de la posición del espectador para separaciones S entre luminarias  |   |      |      |      |      |  |      |      |      |      |      |  |
| S = 1.0H  | +1.5 / -1.9                               |      |      |      |      | +1.3 / -1.5                                |      |      |      |      |      |  |
| S = 1.5H  | +3.4 / -3.0                               |      |      |      |      | +3.0 / -2.2                                |      |      |      |      |      |  |
| S = 2.0H  | +5.1 / -3.8                               |      |      |      |      | +4.6 / -2.9                                |      |      |      |      |      |  |
| Tabla estándar  | BK01                                      |      |      |      |      | BK02                                       |      |      |      |      |      |  |
| Sumando de corrección   | -2.4                                      |      |      |      |      | -1.9                                       |      |      |      |      |      |  |
| Índice de deslumbramiento corregido en relación a 1800lm Flujo luminoso total |   |      |      |      |      |  |      |      |      |      |      |  |

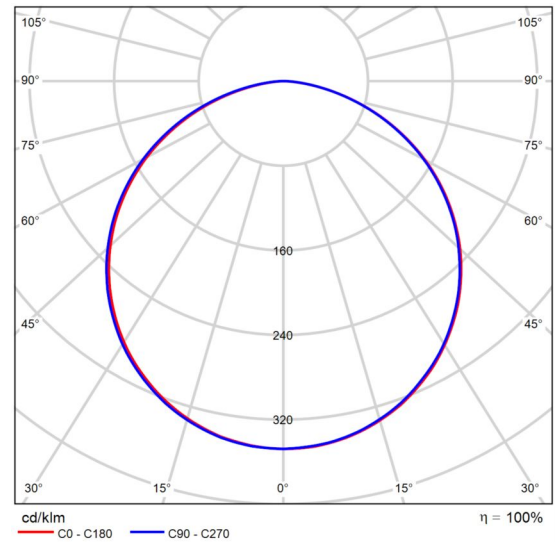
Diagrama UGR (SHR: 0.25)

## Ficha de producto

Philips - TRUE CIRCLE SM 1xLED37S/840 PSP



|                           |            |
|---------------------------|------------|
| P                         | 35.5 W     |
| $\Phi_{\text{Lámpara}}$   | 3700 lm    |
| $\Phi_{\text{Luminaria}}$ | 3699 lm    |
| $\eta$                    | 99.97 %    |
| Rendimiento lumínico      | 104.2 lm/W |
| CCT                       | 3000 K     |
| CRI                       | 100        |



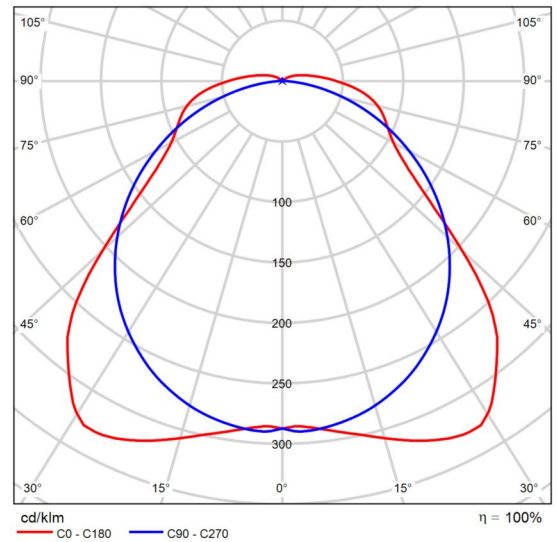
CDL polar

## Ficha de producto

Philips - WT120C G2 L1200 1 xLED40S/840



|                      |            |
|----------------------|------------|
| P                    | 28.5 W     |
| $\Phi$ Lámpara       | 4000 lm    |
| $\Phi$ Luminaria     | 4000 lm    |
| $\eta$               | 100.00 %   |
| Rendimiento lumínico | 140.4 lm/W |
| CCT                  | 4000 K     |
| CRI                  | 80         |



CDL polar

| Valoración de deslumbramiento según UGR                                       |      |   |      |      |      |      |  |      |      |      |      |  |
|---|------|---|------|------|------|------|--|------|------|------|------|--|
| p Techo   |      | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |  |
| p Paredes   |      | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |  |
| p Suelo   |      | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |  |
| Tamaño del local X Y  |      | Mirado en perpendicular al eje de lámpara |      |      |      |      | Mirado longitudinalmente al eje de lámpara |      |      |      |      |  |
| 2H  | 2H   | 18.5                                      | 19.8 | 18.9 | 20.2 | 20.5 | 20.2                                       | 21.5 | 20.6 | 21.8 | 22.2 |  |
|   | 3H   | 19.8                                      | 21.0 | 20.2 | 21.3 | 21.7 | 21.5                                       | 22.7 | 21.9 | 23.1 | 23.4 |  |
|   | 4H   | 20.6                                      | 21.7 | 21.0 | 22.1 | 22.4 | 22.0                                       | 23.1 | 22.4 | 23.5 | 23.9 |  |
|   | 6H   | 21.4                                      | 22.4 | 21.8 | 22.8 | 23.2 | 22.3                                       | 23.4 | 22.8 | 23.8 | 24.2 |  |
|   | 8H   | 21.7                                      | 22.8 | 22.2 | 23.2 | 23.6 | 22.4                                       | 23.4 | 22.9 | 23.8 | 24.3 |  |
| 12H   | 22.1 | 23.1                                      | 22.5 | 23.5 | 23.9 | 22.5 | 23.5                                       | 22.9 | 23.9 | 24.3 |      |  |
| 4H  | 2H   | 19.1                                      | 20.3 | 19.5 | 20.6 | 21.0 | 20.5                                       | 21.6 | 20.9 | 22.0 | 22.4 |  |
|   | 3H   | 20.6                                      | 21.5 | 21.0 | 21.9 | 22.4 | 22.0                                       | 23.0 | 22.5 | 23.4 | 23.8 |  |
|   | 4H   | 21.5                                      | 22.4 | 22.0 | 22.8 | 23.3 | 22.6                                       | 23.5 | 23.1 | 24.0 | 24.4 |  |
|   | 6H   | 22.5                                      | 23.3 | 23.0 | 23.7 | 24.2 | 23.1                                       | 23.9 | 23.6 | 24.3 | 24.8 |  |
|   | 8H   | 23.0                                      | 23.7 | 23.5 | 24.2 | 24.7 | 23.3                                       | 24.0 | 23.8 | 24.5 | 25.0 |  |
| 12H   | 23.4 | 24.1                                      | 23.9 | 24.6 | 25.1 | 23.3 | 24.0                                       | 23.9 | 24.5 | 25.0 |      |  |
| 8H  | 4H   | 21.8                                      | 22.5 | 22.3 | 23.0 | 23.5 | 22.8                                       | 23.5 | 23.3 | 24.0 | 24.5 |  |
|   | 6H   | 23.0                                      | 23.6 | 23.5 | 24.1 | 24.7 | 23.4                                       | 24.0 | 24.0 | 24.5 | 25.1 |  |
|   | 8H   | 23.6                                      | 24.1 | 24.2 | 24.7 | 25.3 | 23.7                                       | 24.2 | 24.2 | 24.7 | 25.3 |  |
|   | 12H  | 24.2                                      | 24.7 | 24.8 | 25.2 | 25.8 | 23.8                                       | 24.3 | 24.4 | 24.8 | 25.4 |  |
|   | 12H  | 23.8                                      | 24.2 | 24.3 | 24.8 | 25.4 | 23.8                                       | 24.3 | 24.4 | 24.8 | 25.4 |  |
| Variación de la posición del espectador para separaciones S entre luminarias  |      |   |      |      |      |      |  |      |      |      |      |  |
| S = 1.0H  |      | +0.3 / -0.2                               |      |      |      |      | +0.1 / -0.1                                |      |      |      |      |  |
| S = 1.5H  |      | +0.4 / -0.5                               |      |      |      |      | +0.5 / -0.5                                |      |      |      |      |  |
| S = 2.0H  |      | +0.6 / -0.8                               |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |  |
| Tabla estándar  |      | BK07                                      |      |      |      |      | BK05                                       |      |      |      |      |  |
| Sumando de corrección   |      | 6.7                                       |      |      |      |      | 6.6  |      |      |      |      |  |
| Índice de deslumbramiento corregido en relación a 4000lm Flujo luminoso total |      |   |      |      |      |      |  |      |      |      |      |  |

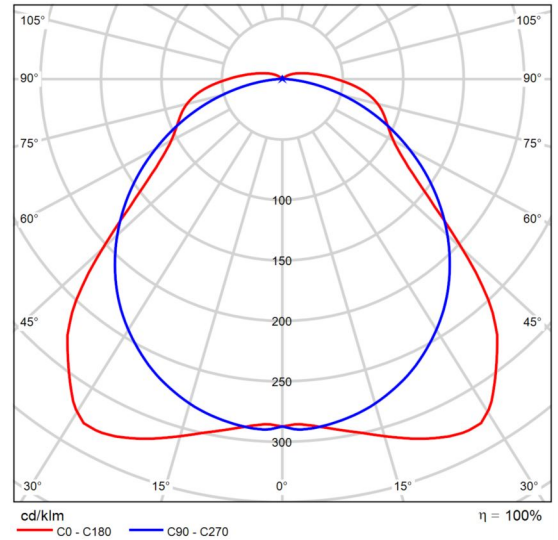
Diagrama UGR (SHR: 0.25)

## Ficha de producto

Philips - WT120C G2 PSU L1500 1 xLED60S/840



|                           |            |
|---------------------------|------------|
| P                         | 45.0 W     |
| $\Phi_{\text{Lámpara}}$   | 6000 lm    |
| $\Phi_{\text{Luminaria}}$ | 6000 lm    |
| $\eta$                    | 100.00 %   |
| Rendimiento lumínico      | 133.3 lm/W |
| CCT                       | 4000 K     |
| CRI                       | 80         |



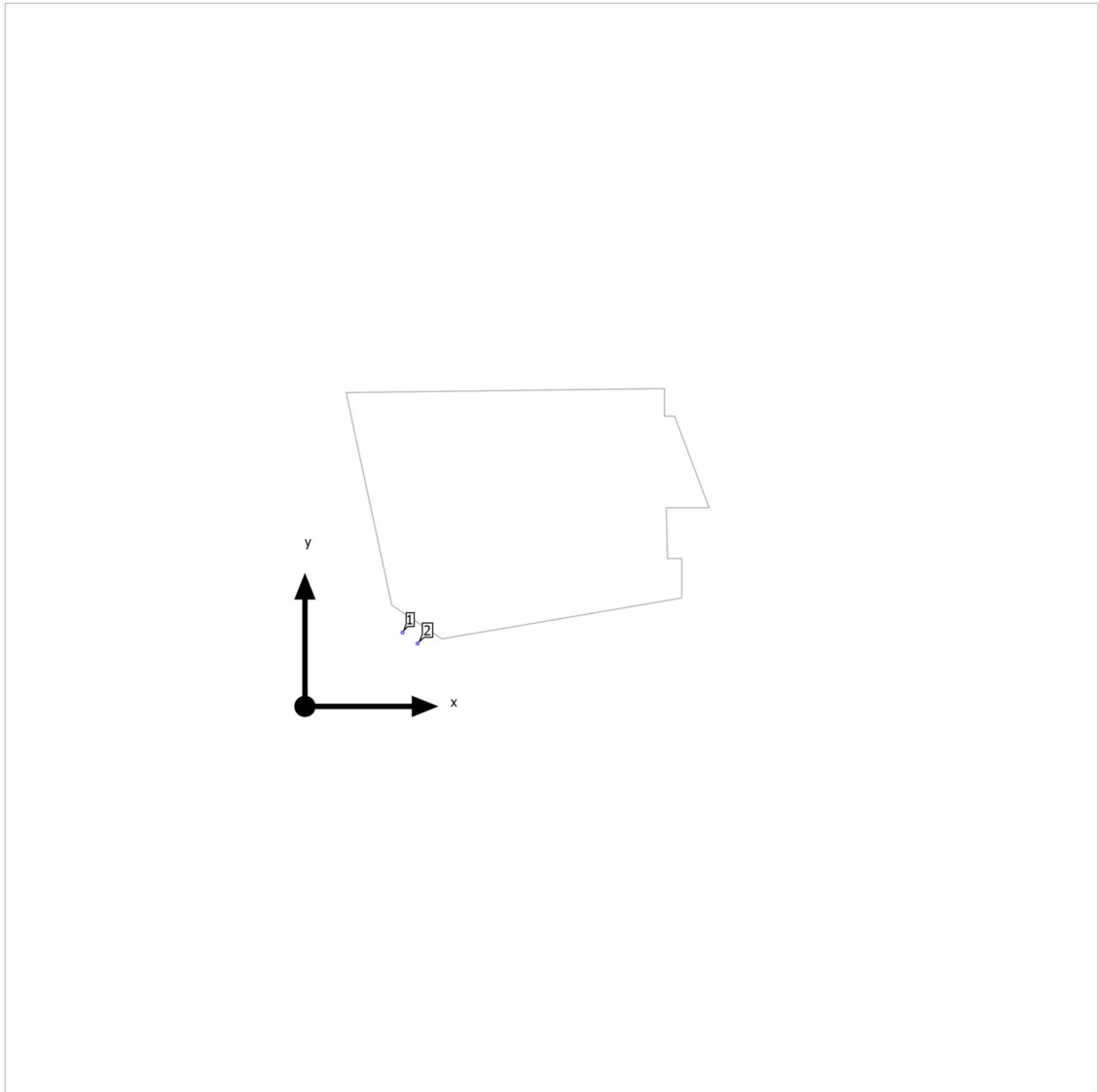
CDL polar

| Valoración de deslumbramiento según UGR                                       |     |   |      |      |      |      |  |      |      |      |      |      |
|---|-----|---|------|------|------|------|--|------|------|------|------|------|
|   |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |      |
| p Techo   |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |      |
| p Paredes   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |      |
| p Suelo   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |      |
| Tamaño del local  |     | Mirado en perpendicular al eje de lámpara |      |      |      |      | Mirado longitudinalmente al eje de lámpara |      |      |      |      |      |
| X   | Y   |   |      |      |      |      |  |      |      |      |      |      |
| 2H  | 2H  | 19.2                                      | 20.5 | 19.5 | 20.8 | 21.1 | 20.9                                       | 22.2 | 21.2 | 22.5 | 22.8 |      |
|   | 3H  | 20.4                                      | 21.6 | 20.8 | 22.0 | 22.3 | 22.2                                       | 23.4 | 22.6 | 23.7 | 24.1 |      |
|   | 4H  | 21.2                                      | 22.3 | 21.6 | 22.7 | 23.1 | 22.7                                       | 23.8 | 23.1 | 24.2 | 24.6 |      |
|   | 6H  | 22.0                                      | 23.1 | 22.4 | 23.4 | 23.9 | 23.0                                       | 24.1 | 23.4 | 24.5 | 24.9 |      |
|   | 8H  | 22.4                                      | 23.4 | 22.8 | 23.8 | 24.2 | 23.1                                       | 24.1 | 23.5 | 24.5 | 24.9 |      |
|   | 12H | 22.7                                      | 23.7 | 23.2 | 24.1 | 24.5 | 23.1                                       | 24.1 | 23.6 | 24.5 | 25.0 |      |
| 4H  | 2H  | 19.8                                      | 20.9 | 20.2 | 21.3 | 21.7 | 21.2                                       | 22.3 | 21.6 | 22.6 | 23.0 |      |
|   | 3H  | 21.2                                      | 22.2 | 21.7 | 22.6 | 23.0 | 22.7                                       | 23.6 | 23.1 | 24.0 | 24.5 |      |
|   | 4H  | 22.1                                      | 23.0 | 22.6 | 23.5 | 23.9 | 23.3                                       | 24.2 | 23.8 | 24.6 | 25.1 |      |
|   | 6H  | 23.1                                      | 23.9 | 23.6 | 24.4 | 24.9 | 23.8                                       | 24.6 | 24.3 | 25.0 | 25.5 |      |
|   | 8H  | 23.6                                      | 24.3 | 24.1 | 24.8 | 25.3 | 23.9                                       | 24.7 | 24.4 | 25.1 | 25.6 |      |
|   | 12H | 24.1                                      | 24.7 | 24.6 | 25.2 | 25.7 | 24.0                                       | 24.7 | 24.5 | 25.2 | 25.7 |      |
| 8H  | 4H  | 22.4                                      | 23.2 | 22.9 | 23.6 | 24.1 | 23.5                                       | 24.2 | 24.0 | 24.7 | 25.2 |      |
|   | 6H  | 23.6                                      | 24.2 | 24.2 | 24.7 | 25.3 | 24.1                                       | 24.7 | 24.6 | 25.2 | 25.8 |      |
|   | 8H  | 24.3                                      | 24.8 | 24.8 | 25.3 | 25.9 | 24.3                                       | 24.9 | 24.9 | 25.4 | 26.0 |      |
|   | 12H | 24.9                                      | 25.3 | 25.4 | 25.9 | 26.5 | 24.5                                       | 25.0 | 25.1 | 25.5 | 26.1 |      |
|   | 12H | 4H  | 22.5 | 23.1 | 23.0 | 23.6 | 24.1                                       | 23.5 | 24.2 | 24.0 | 24.6 | 25.2 |
|   |     | 6H  | 23.7 | 24.3 | 24.3 | 24.8 | 25.4                                       | 24.2 | 24.7 | 24.7 | 25.2 | 25.8 |
| 8H  |     | 24.4                                      | 24.9 | 25.0 | 25.4 | 26.0 | 24.5                                       | 24.9 | 25.0 | 25.5 | 26.1 |      |
| Variación de la posición del espectador para separaciones S entre luminarias  |     |   |      |      |      |      |  |      |      |      |      |      |
| S = 1.0H  |     | +0.3 / -0.2                               |      |      |      |      | +0.1 / -0.1                                |      |      |      |      |      |
| S = 1.5H  |     | +0.4 / -0.5                               |      |      |      |      | +0.5 / -0.5                                |      |      |      |      |      |
| S = 2.0H  |     | +0.6 / -0.8                               |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |      |
| Tabla estándar  |     | BK07                                      |      |      |      |      | BK05                                       |      |      |      |      |      |
| Sumando de corrección   |     | 7.3                                       |      |      |      |      | 7.2  |      |      |      |      |      |
| Índice de deslumbramiento corregido en relación a 6000lm Flujo luminoso total |     |   |      |      |      |      |  |      |      |      |      |      |

Diagrama UGR (SHR: 0.25)

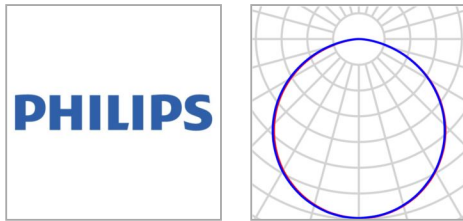
Terreno 1

**Plano de situación de luminarias**



Terreno 1

### Plano de situación de luminarias



|                     |                                    |                  |         |
|---------------------|------------------------------------|------------------|---------|
| Fabricante          | Philips                            | P                | 35.5 W  |
| Nombre del artículo | TRUE CIRCLE SM<br>1xLED37S/840 PSP | $\Phi$ Luminaria | 3699 lm |
| Lámpara             | 1x LED37S/840                      |                  |         |

### Luminarias individuales

| X        | Y        | Altura de montaje | Luminaria |
|----------|----------|-------------------|-----------|
| 16.858 m | 12.758 m | 3.000 m           | 1         |
| 19.458 m | 10.858 m | 3.000 m           | 2         |

Terreno 1

**Lista de luminarias**

|                           |                       |                                    |
|---------------------------|-----------------------|------------------------------------|
| $\Phi_{total}$<br>7398 lm | $P_{total}$<br>71.0 W | Rendimiento lumínico<br>104.2 lm/W |
|---------------------------|-----------------------|------------------------------------|

| Uni. | Fabricante | N° de artículo | Nombre del artículo             | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---------------------------------|--------|---------|----------------------|
| 2    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP | 35.5 W | 3699 lm | 104.2 lm/W           |



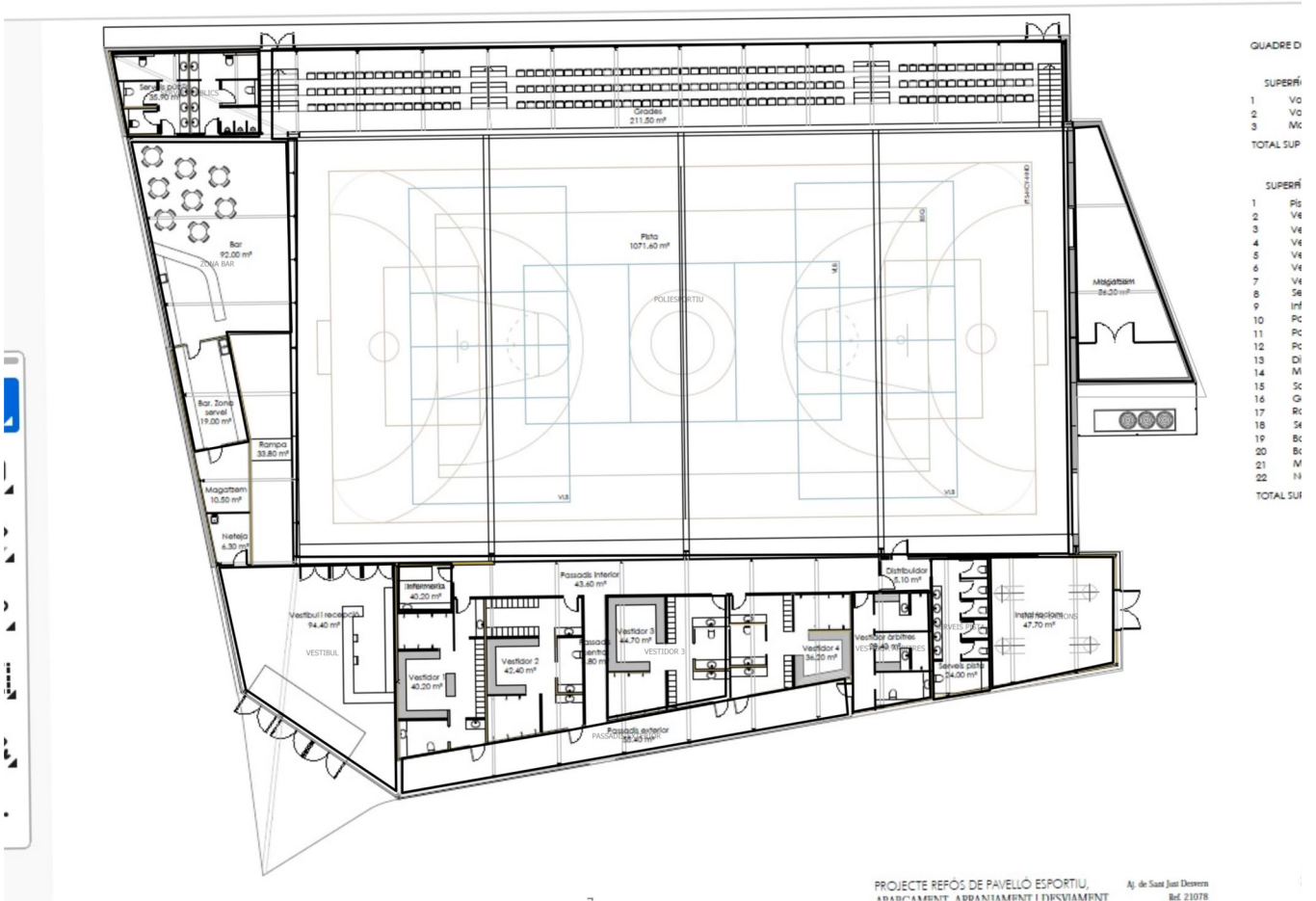
Edificaci3n 1

**Lista de luminarias**

|                              |                         |                                    |
|------------------------------|-------------------------|------------------------------------|
| $\Phi_{total}$<br>1071035 lm | $P_{total}$<br>8996.2 W | Rendimiento lumínico<br>119.1 lm/W |
|------------------------------|-------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo   | Nombre del artículo   | P       | $\Phi$   | Rendimiento lumínico |
|------|------------|--|---|---------|----------|----------------------|
| 24   | Philips    |  | CoreLine Downlight gen5 DN142B 10S PSU-E<br>IP54 1xLED/4000K WR | 9.8 W   | 1200 lm  | 122.4 lm/W           |
| 37   | Philips    |  | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W  | 2349 lm  | 122.4 lm/W           |
| 24   | Philips    |  | SM350C L1200 PSD 1 x18S/840 PCS                                 | 13.6 W  | 1799 lm  | 132.3 lm/W           |
| 22   | Philips    |  | TRUE CIRCLE SM 1xLED37S/840 PSP                                 | 35.5 W  | 3699 lm  | 104.2 lm/W           |
| 20   | Philips    |  | WT120C G2 L1200 1 xLED40S/840                                   | 28.5 W  | 4000 lm  | 140.4 lm/W           |
| 2    | Philips    |  | WT120C G2 PSU L1500 1 xLED60S/840                               | 45.0 W  | 6000 lm  | 133.3 lm/W           |
| 24   | Philips    | BVP650I-<br>61507a2f-<br>8a11-4063-<br>b560-<br>fa524d31b79c | BVP650 T35 LED360-4S/840 PSM OFA52                              | 261.8 W | 30782 lm | 117.6 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)  
**Lista de locales**



Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

**Lista de locales**

## INFERMERIA

|                       |                                    |   |  |
|-----------------------|------------------------------------|---|--|
| $P_{total}$<br>38.4 W | $A_{Local}$<br>7.95 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>4.83 W/m <sup>2</sup> = 1.32 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano 3til)<br>365 lx |
|-----------------------|------------------------------------|---|--|

| Uni. | Fabricante | Nº de art3culo | Nombre del art3culo  | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|--|--------|--------------------|
| 2    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E IP54 1xLED/4000K WR | 19.2 W | 2349 lm            |

## INSTAL·LACIONS

|                        |                                     |   |  |
|------------------------|-------------------------------------|---|--|
| $P_{total}$<br>171.0 W | $A_{Local}$<br>46.63 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>3.67 W/m <sup>2</sup> = 1.29 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano 3til)<br>285 lx |
|------------------------|-------------------------------------|---|--|

| Uni. | Fabricante | Nº de art3culo | Nombre del art3culo           | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|-------------------------------|--------|--------------------|
| 6    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 28.5 W | 4000 lm            |

## MAGATZEM

|                        |                                     |   |  |
|------------------------|-------------------------------------|---|--|
| $P_{total}$<br>228.0 W | $A_{Local}$<br>57.56 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>3.96 W/m <sup>2</sup> = 1.54 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano 3til)<br>257 lx |
|------------------------|-------------------------------------|---|--|

| Uni. | Fabricante | Nº de art3culo | Nombre del art3culo           | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|-------------------------------|--------|--------------------|
| 8    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 28.5 W | 4000 lm            |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

**Lista de locales**

## PASSADIS EXTERIOR

|                        |                                     |  |  |
|------------------------|-------------------------------------|--|--|
| $P_{total}$<br>136.0 W | $A_{Local}$<br>49.45 m <sup>2</sup> | Potencia específica de conexi3n<br>2.75 W/m <sup>2</sup> = 0.99 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano útil)<br>277 lx |
|------------------------|-------------------------------------|--|--|

| Uni. | Fabricante | Nº de art3culo | Nombre del art3culo             | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|---------------------------------|--------|--------------------|
| 10   | Philips    |                | SM350C L1200 PSD 1 x185/840 PCS | 13.6 W | 1799 lm            |

## POLIESPORTIU

|                         |                                       |  |  |
|-------------------------|---------------------------------------|--|--|
| $P_{total}$<br>6567.2 W | $A_{Local}$<br>1275.58 m <sup>2</sup> | Potencia específica de conexi3n<br>5.15 W/m <sup>2</sup> = 1.02 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano útil)<br>505 lx |
|-------------------------|---------------------------------------|--|--|

| Uni. | Fabricante | Nº de art3culo   | Nombre del art3culo                | P       | $\Phi_{Luminaria}$ |
|------|------------|--|------------------------------------|---------|--------------------|
| 8    | Philips    |  | TRUE CIRCLE SM 1xLED375/840 PSP    | 35.5 W  | 3699 lm            |
| 24   | Philips    | BVP650I-<br>61507a2f-<br>8a11-4063-<br>b560-<br>fa524d31b79c | BVP650 T35 LED360-45/840 PSM OFA52 | 261.8 W | 30782 lm           |

## SERVEIS PISTA

|                       |                                     |  |  |
|-----------------------|-------------------------------------|--|--|
| $P_{total}$<br>98.0 W | $A_{Local}$<br>24.87 m <sup>2</sup> | Potencia específica de conexi3n<br>3.94 W/m <sup>2</sup> = 1.40 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano útil)<br>281 lx |
|-----------------------|-------------------------------------|--|--|

| Uni. | Fabricante | Nº de art3culo | Nombre del art3culo  | P     | $\Phi_{Luminaria}$ |
|------|------------|----------------|--|-------|--------------------|
| 10   | Philips    |                | CoreLine Downlight gen5 DN142B 10S PSU-E IP54 1xLED/4000K WR | 9.8 W | 1200 lm            |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

## Lista de locales

### SERVEIS PÚBLICS

|                                     |  |   |   |
|-------------------------------------|--|---|---|
| <b>P<sub>total</sub></b><br>137.2 W | <b>A<sub>Local</sub></b><br>38.74 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>3.54 W/m <sup>2</sup> = 1.38 W/m <sup>2</sup> /100 lx (Local) | <b>E<sub>perpendicular</sub> (Plano útil)</b><br>257 lx |
|-------------------------------------|--|---|---|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo  | P     | Φ <sub>Luminaria</sub> |
|------|------------|----------------|--|-------|------------------------|
| 14   | Philips    |                | CoreLine Downlight gen5 DN142B 10S PSU-E IP54 1xLED/4000K WR | 9.8 W | 1200 lm                |

### VESTIBUL

|                                     |  |   |   |
|-------------------------------------|--|---|---|
| <b>P<sub>total</sub></b><br>177.5 W | <b>A<sub>Local</sub></b><br>89.14 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>1.99 W/m <sup>2</sup> = 1.28 W/m <sup>2</sup> /100 lx (Local) | <b>E<sub>perpendicular</sub> (Plano útil)</b><br>156 lx |
|-------------------------------------|--|---|---|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo             | P      | Φ <sub>Luminaria</sub> |
|------|------------|----------------|---------------------------------|--------|------------------------|
| 5    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP | 35.5 W | 3699 lm                |

### VESTIDOR 3

|                                     |  |   |   |
|-------------------------------------|--|---|---|
| <b>P<sub>total</sub></b><br>172.8 W | <b>A<sub>Local</sub></b><br>42.53 m <sup>2</sup> | <b>Potencia específica de conexi3n</b><br>4.06 W/m <sup>2</sup> = 1.07 W/m <sup>2</sup> /100 lx (Local) | <b>E<sub>perpendicular</sub> (Plano útil)</b><br>381 lx |
|-------------------------------------|--|---|---|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo  | P      | Φ <sub>Luminaria</sub> |
|------|------------|----------------|--|--------|------------------------|
| 9    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E IP54 1xLED/4000K WR | 19.2 W | 2349 lm                |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

**Lista de locales**

## VESTIDOR ARBITRES

|                        |                                     |  |  |
|------------------------|-------------------------------------|--|--|
| $P_{total}$<br>134.4 W | $A_{Local}$<br>28.04 m <sup>2</sup> | Potencia específica de conexi3n<br>4.79 W/m <sup>2</sup> = 1.22 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano útil)<br>393 lx |
|------------------------|-------------------------------------|--|--|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo  | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|--|--------|--------------------|
| 7    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E IP54 1xLED/4000K WR | 19.2 W | 2349 lm            |

## ZONA BAR

|                        |                                      |  |  |
|------------------------|--------------------------------------|--|--|
| $P_{total}$<br>303.0 W | $A_{Local}$<br>105.49 m <sup>2</sup> | Potencia específica de conexi3n<br>2.87 W/m <sup>2</sup> = 1.39 W/m <sup>2</sup> /100 lx (Local) | $\bar{E}_{perpendicular}$ (Plano útil)<br>206 lx |
|------------------------|--------------------------------------|--|--|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo               | P      | $\Phi_{Luminaria}$ |
|------|------------|----------------|-----------------------------------|--------|--------------------|
| 6    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP   | 35.5 W | 3699 lm            |
| 2    | Philips    |                | WT120C G2 PSU L1500 1 xLED60S/840 | 45.0 W | 6000 lm            |

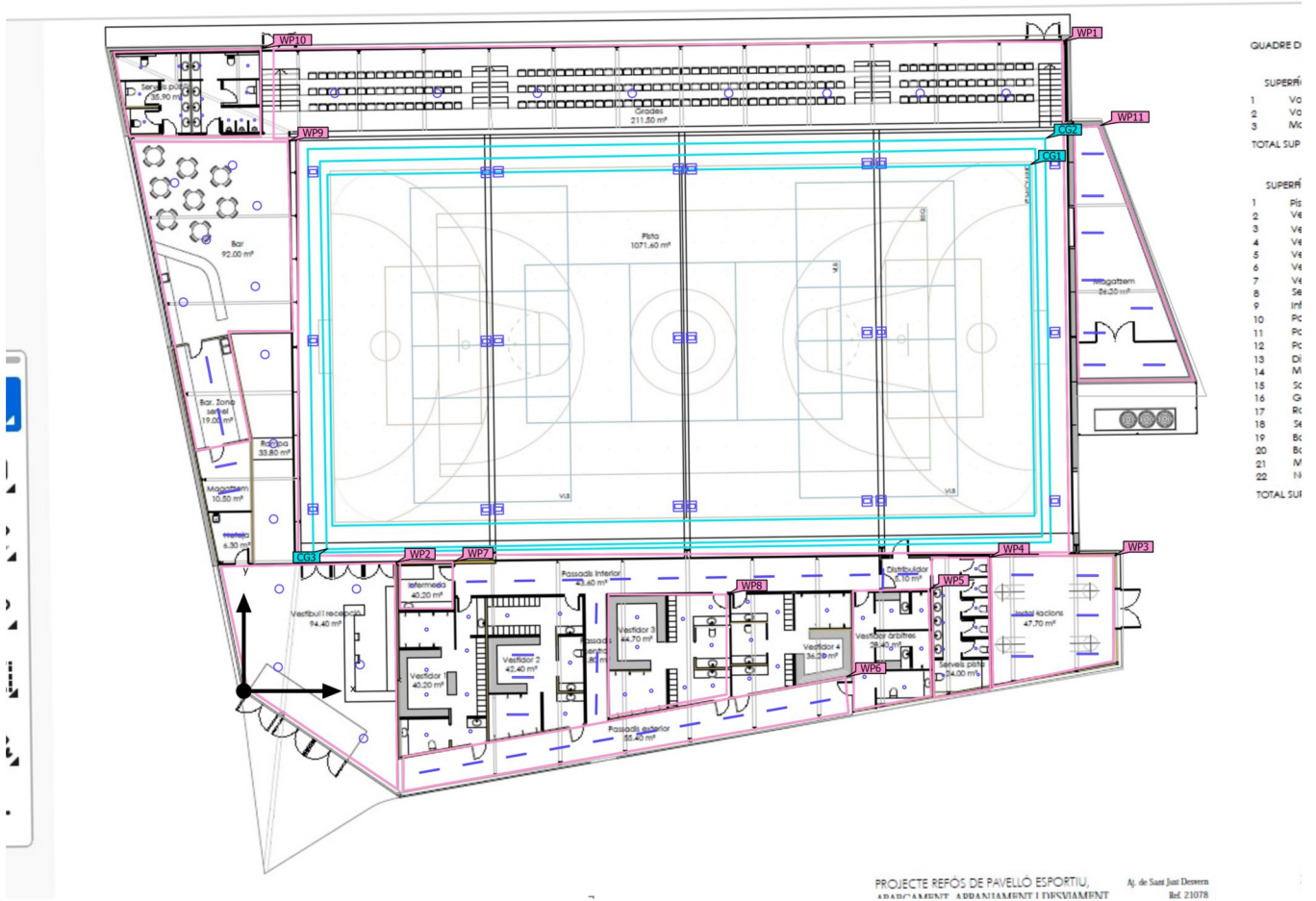
Edificaci3n 1 · POLIESPORTIU TOTAL

**Lista de luminarias**

|                              |                         |                                    |
|------------------------------|-------------------------|------------------------------------|
| $\Phi_{total}$<br>1071035 lm | $P_{total}$<br>8996.2 W | Rendimiento lumínico<br>119.1 lm/W |
|------------------------------|-------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo   | Nombre del artículo   | P       | $\Phi$   | Rendimiento lumínico |
|------|------------|--|---|---------|----------|----------------------|
| 24   | Philips    |  | CoreLine Downlight gen5 DN142B 10S PSU-E<br>IP54 1xLED/4000K WR | 9.8 W   | 1200 lm  | 122.4 lm/W           |
| 37   | Philips    |  | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W  | 2349 lm  | 122.4 lm/W           |
| 24   | Philips    |  | SM350C L1200 PSD 1 x18S/840 PCS                                 | 13.6 W  | 1799 lm  | 132.3 lm/W           |
| 22   | Philips    |  | TRUE CIRCLE SM 1xLED37S/840 PSP                                 | 35.5 W  | 3699 lm  | 104.2 lm/W           |
| 20   | Philips    |  | WT120C G2 L1200 1 xLED40S/840                                   | 28.5 W  | 4000 lm  | 140.4 lm/W           |
| 2    | Philips    |  | WT120C G2 PSU L1500 1 xLED60S/840                               | 45.0 W  | 6000 lm  | 133.3 lm/W           |
| 24   | Philips    | BVP650I-<br>61507a2f-<br>8a11-4063-<br>b560-<br>fa524d31b79c | BVP650 T35 LED360-4S/840 PSM OFA52                              | 261.8 W | 30782 lm | 117.6 lm/W           |

Edificació 1 · POLIESPORTIU TOTAL (Escena de luz 1)  
**Objetos de cálculo**





Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

**Objetos de c3lculo**

Planos 3tiles

| Propiedades  | $\bar{E}$<br>(Nominal)    | $E_{\min}$ | $E_{\max}$ | $U_0$ (g <sub>1</sub> )<br>(Nominal) | g <sub>2</sub> | Índice |
|--|---------------------------|------------|------------|--------------------------------------|----------------|--------|
| Plano 3til (POLIESPORTIU)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m      | 505 lx<br>(≥ 500 lx)<br>✓ | 78.1 lx    | 764 lx     | 0.15<br>(≥ 0.60)<br>✗                | 0.10           | WP1    |
| Plano 3til (VESTIBUL)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m          | 156 lx<br>(≥ 500 lx)<br>✗ | 44.9 lx    | 296 lx     | 0.29<br>(≥ 0.60)<br>✗                | 0.15           | WP2    |
| Plano 3til (INSTAL·LACIONS)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m    | 285 lx<br>(≥ 500 lx)<br>✗ | 119 lx     | 397 lx     | 0.42<br>(≥ 0.60)<br>✗                | 0.30           | WP3    |
| Plano 3til (SERVEIS PISTA)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m     | 281 lx<br>(≥ 500 lx)<br>✗ | 106 lx     | 387 lx     | 0.38<br>(≥ 0.60)<br>✗                | 0.27           | WP4    |
| Plano 3til (VESTIDOR ARBITRES)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 393 lx<br>(≥ 500 lx)<br>✗ | 107 lx     | 537 lx     | 0.27<br>(≥ 0.60)<br>✗                | 0.20           | WP5    |
| Plano 3til (PASSADIS EXTERIOR)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 277 lx<br>(≥ 500 lx)<br>✗ | 100 lx     | 425 lx     | 0.36<br>(≥ 0.60)<br>✗                | 0.24           | WP6    |
| Plano 3til (INFERMERIA)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m        | 365 lx<br>(≥ 500 lx)<br>✗ | 186 lx     | 457 lx     | 0.51<br>(≥ 0.60)<br>✗                | 0.41           | WP7    |
| Plano 3til (VESTIDOR 3)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m        | 381 lx<br>(≥ 500 lx)<br>✗ | 224 lx     | 502 lx     | 0.59<br>(≥ 0.60)<br>✗                | 0.45           | WP8    |
| Plano 3til (ZONA BAR)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m          | 206 lx<br>(≥ 500 lx)<br>✗ | 58.8 lx    | 411 lx     | 0.29<br>(≥ 0.60)<br>✗                | 0.14           | WP9    |
| Plano 3til (SERVEIS P3BLICS)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m   | 257 lx<br>(≥ 500 lx)<br>✗ | 83.0 lx    | 380 lx     | 0.32<br>(≥ 0.60)<br>✗                | 0.22           | WP10   |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

**Objetos de c3lculo**

|   |            |        |        |          |      |      |
|---|------------|--------|--------|----------|------|------|
| Plano 3til (MAGATZEM)                       | 257 lx     | 113 lx | 354 lx | 0.44     | 0.32 | WP11 |
| Iluminancia perpendicular (Adaptativamente) | (≥ 500 lx) |        |        | (≥ 0.60) |      |      |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗          |        |        | ✗        |      |      |

## Superficie de c3lculo

| Propiedades   | $\bar{E}$ | $E_{\text{m3n}}$ | $E_{\text{m3x}}$ | $U_0 (g_1)$ | $g_2$ | 3ndice |
|---|-----------|------------------|------------------|-------------|-------|--------|
| PISTA FUTBOL SALA<br>Iluminancia perpendicular<br>Altura: 0.010 m | 533 lx    | 388 lx           | 699 lx           | 0.73        | 0.56  | CG1    |
| PISTA TOTAL<br>Iluminancia perpendicular<br>Altura: 0.010 m       | 524 lx    | 374 lx           | 689 lx           | 0.71        | 0.54  | CG2    |

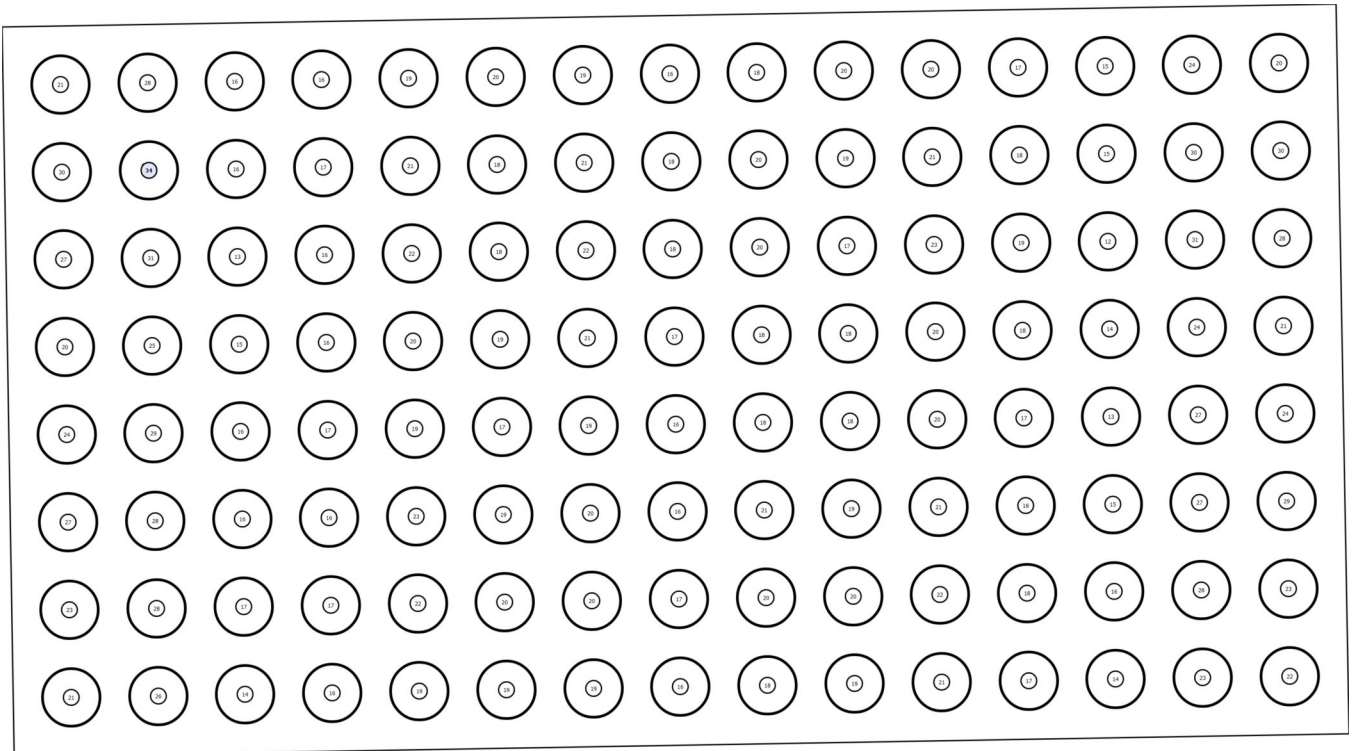
## UGR mesurat (GR)

|                        |                |
|------------------------|----------------|
| M3x. deslumbramiento a | 135°           |
| m3x                    | 34             |
| Nominal                | -              |
| 3rea del 3ngulo visual | 0° - 360°      |
| Amplitud de paso       | 15°            |
| 3ngulo de inclinaci3n  | -2°            |
| Altura                 | 1.500 m        |
| 3ndice                 | CG3            |
| M3todo                 | c3lculo exacto |

Edificaci3n 1 · POLIESPORTIU TOTAL (Escena de luz 1)

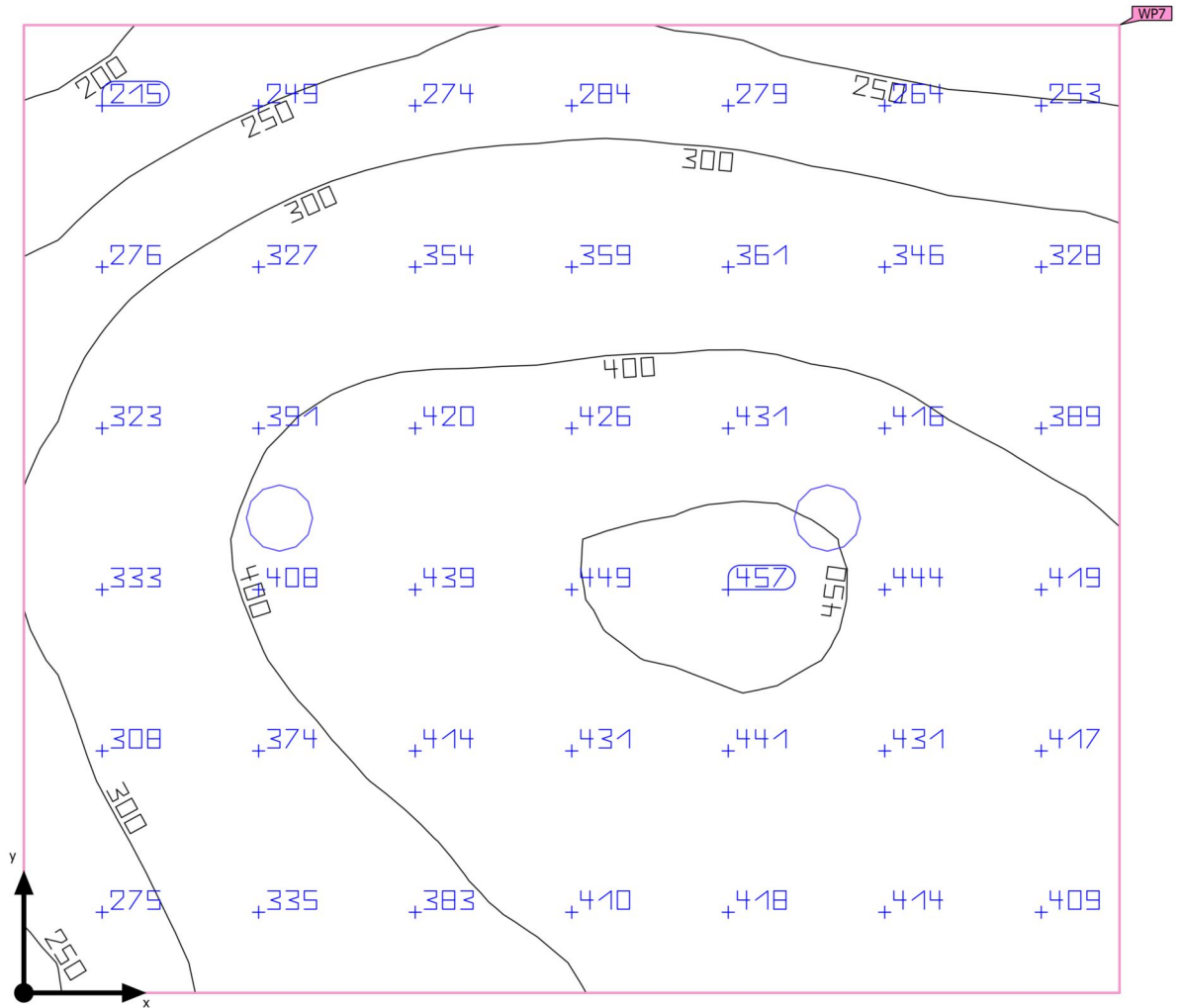
**Objetos de c3lculo**

UGR mesurat (GR)



Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA (Escena de luz 1)

**Resumen**



|                       |   |
|-----------------------|---|
| Base                  | 7.95 m <sup>2</sup>                                 |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % |
| Factor de degradaci3n | 0.80 (Global)                                       |

|                           |          |
|---------------------------|----------|
| Altura interior del local | 12.000 m |
| Altura de montaje         | 3.000 m  |
| Altura Plano 3til         | 0.800 m  |
| Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal        | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 365 lx                        | $\geq 500$ lx  | ✗            | WP7    |
|   | $U_o (g_1)$                      | 0.51                          | $\geq 0.60$    | ✗            | WP7    |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 21                            | $\leq 19$      | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 95.0 kWh/a                    | máx. 300 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 4.83 W/m <sup>2</sup>         | -              |              |        |
|   |                                  | 1.32 W/m <sup>2</sup> /100 lx | -              |              |        |

(1) Basado en un espacio rectangular de 3.000 m x 2.650 m y SHR de 0.25.

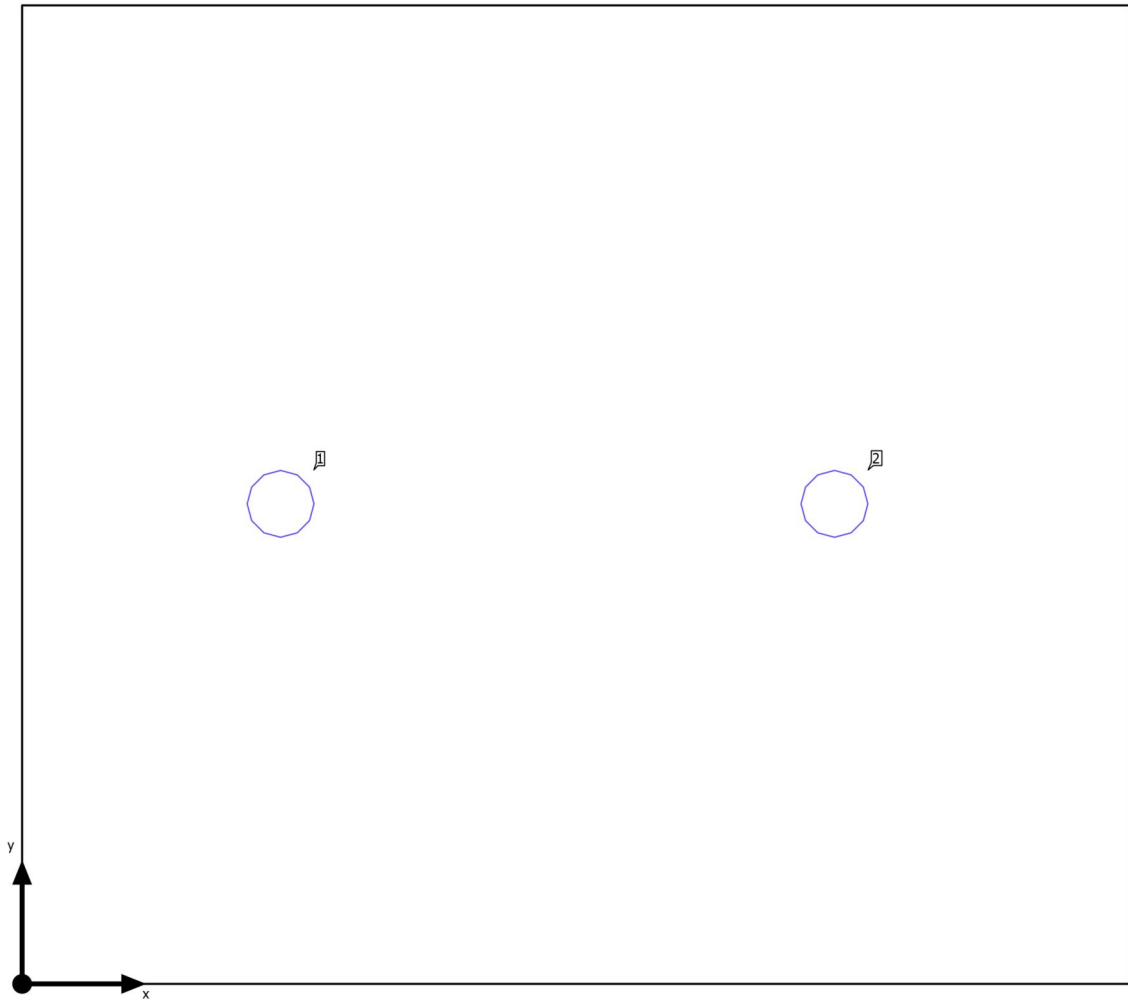
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

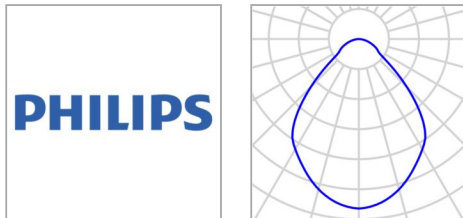
| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|----------|--------|---------|----------------------|
| 2    | Philips    |                | CoreLine Downlight gen5 DN142B<br>20S PSU-E IP54 1xLED/4000K WR | 21       | 19.2 W | 2349 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA

### Plano de situaci3n de luminarias



|                     |   |                  |         |
|---------------------|---|------------------|---------|
| Fabricante          | Philips   | P                | 19.2 W  |
| Nombre del art3culo | CoreLine Downlight<br>gen5 DN142B 20S<br>PSU-E IP54<br>1xLED/4000K WR | $\Phi$ Luminaria | 2349 lm |
| L3mpara             | 1x LED/4000K  |                  |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 0.700 m | 1.300 m | 3.000 m           | 1         |
| 2.200 m | 1.300 m | 3.000 m           | 2         |

Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA

**Lista de luminarias**

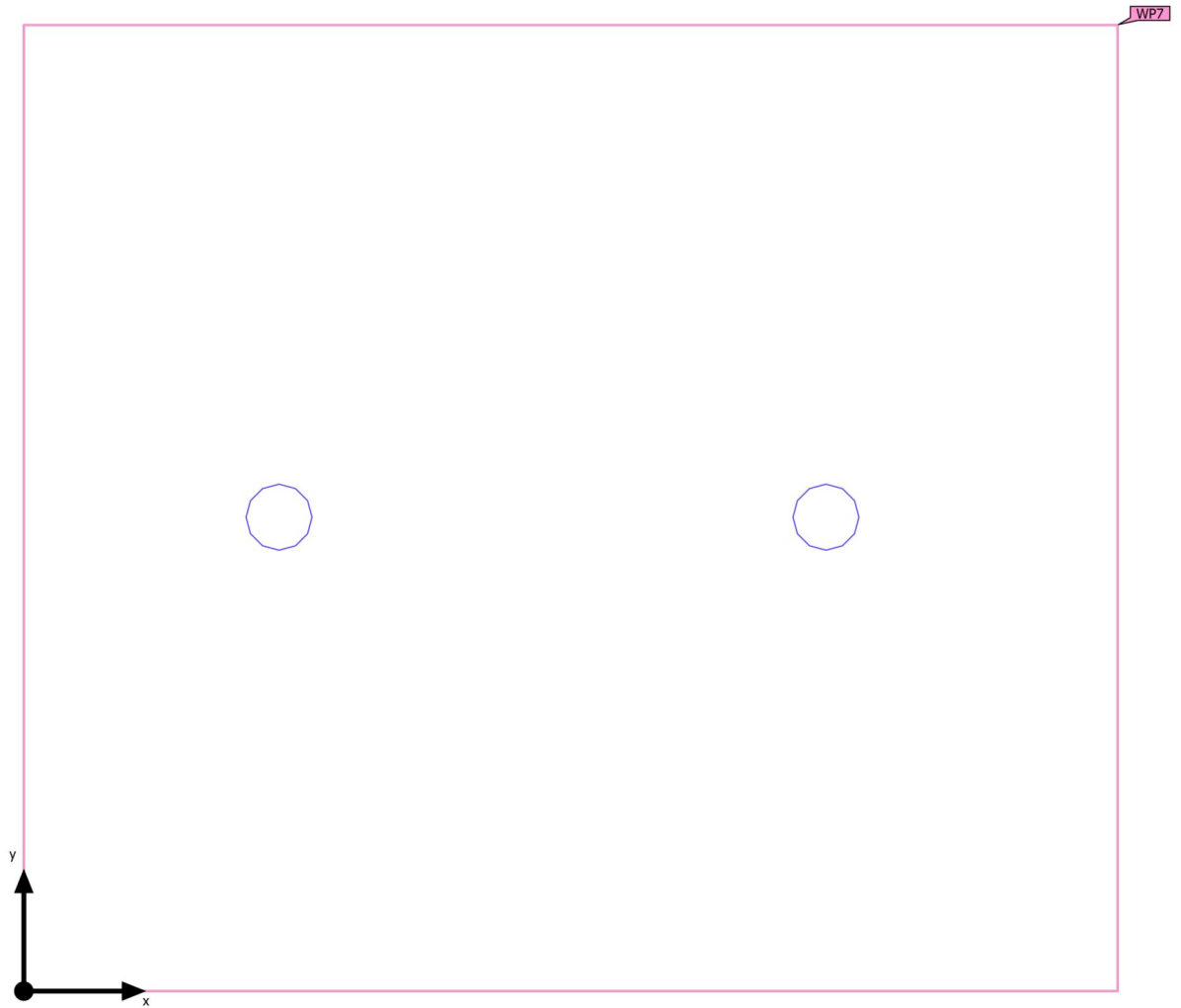
|                           |                       |                                    |
|---------------------------|-----------------------|------------------------------------|
| $\Phi_{total}$<br>4698 lm | $P_{total}$<br>38.4 W | Rendimiento lumínico<br>122.3 lm/W |
|---------------------------|-----------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|--------|---------|----------------------|
| 2    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W | 2349 lm | 122.4 lm/W           |



Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA (Escena de luz 1)

**Objetos de c3lculo**

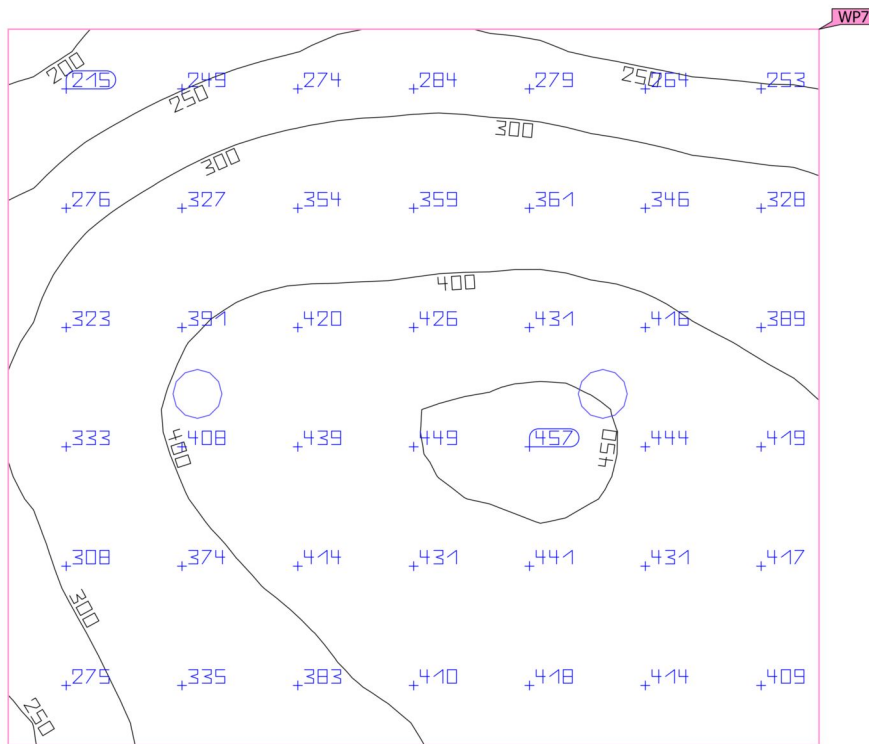
Planos 3tiles

| Propiedades  | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (INFERMERIA)  | 365 lx                 | 186 lx     | 457 lx     | 0.51                         | 0.41  | WP7    |
| Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · INFERMERIA (Escena de luz 1)

**Plano 6til (INFERMERIA)**

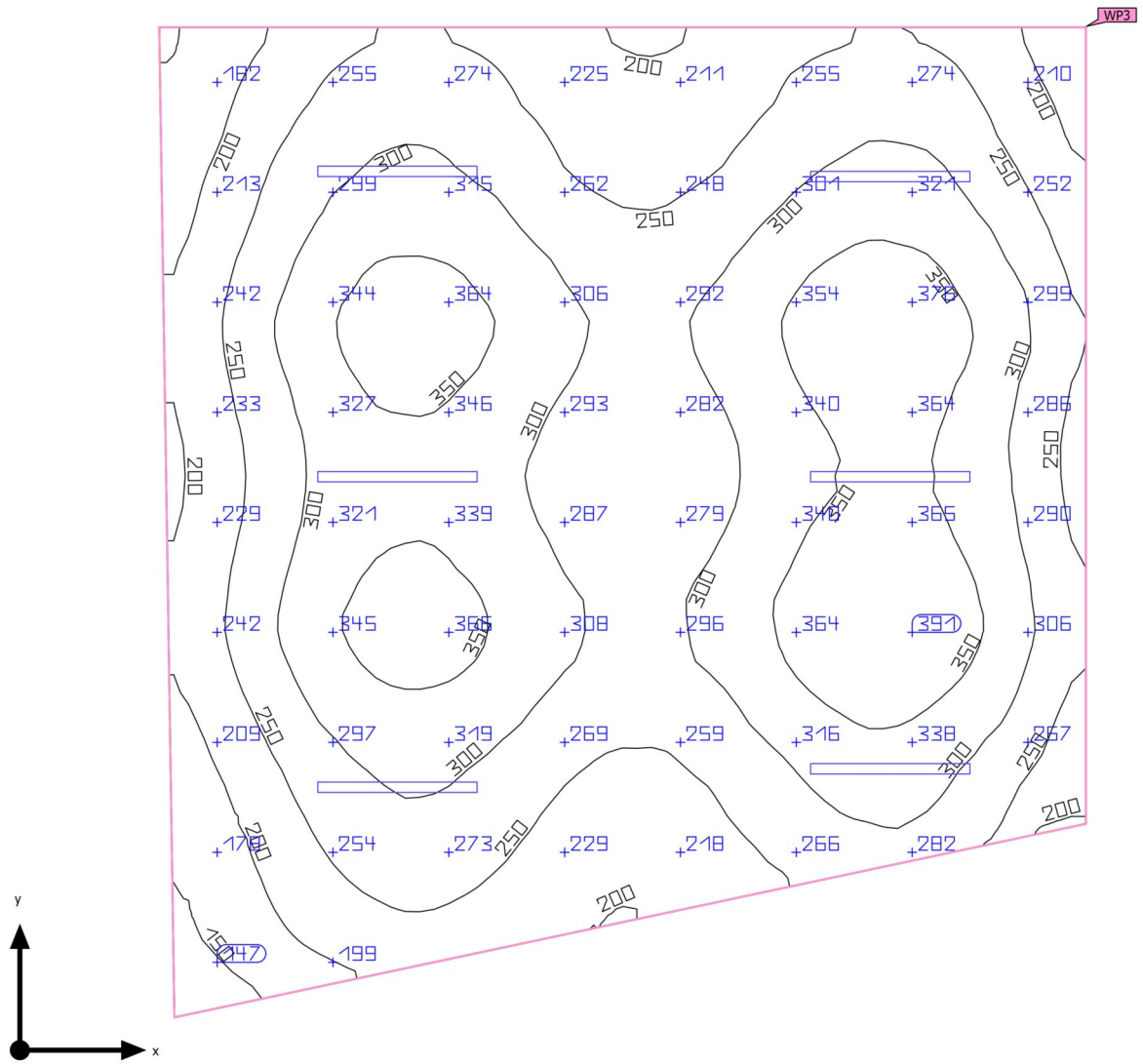


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (INFERMERIA)                     | 365 lx                 | 186 lx    | 457 lx            | 0.51                     | 0.41  | WP7    |
| Iluminancia perpendicular (Adaptativamente) | $\geq 500$ lx          |           |                   | $\geq 0.60$              |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS (Escena de luz 1)

Resumen



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 46.63 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.000 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificació 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificación | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 285 lx                        | $\geq 500$ lx   | ✗            | WP3    |
|   | $U_o (g_1)$                      | 0.42                          | $\geq 0.60$     | ✗            | WP3    |
| Evaluación del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 23                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 423 kWh/a                     | máx. 1650 kWh/a | ✓            |        |
| Local   | Potencia específica de conexión  | 3.67 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.29 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 7.458 m x 6.980 m y SHR de 0.25.

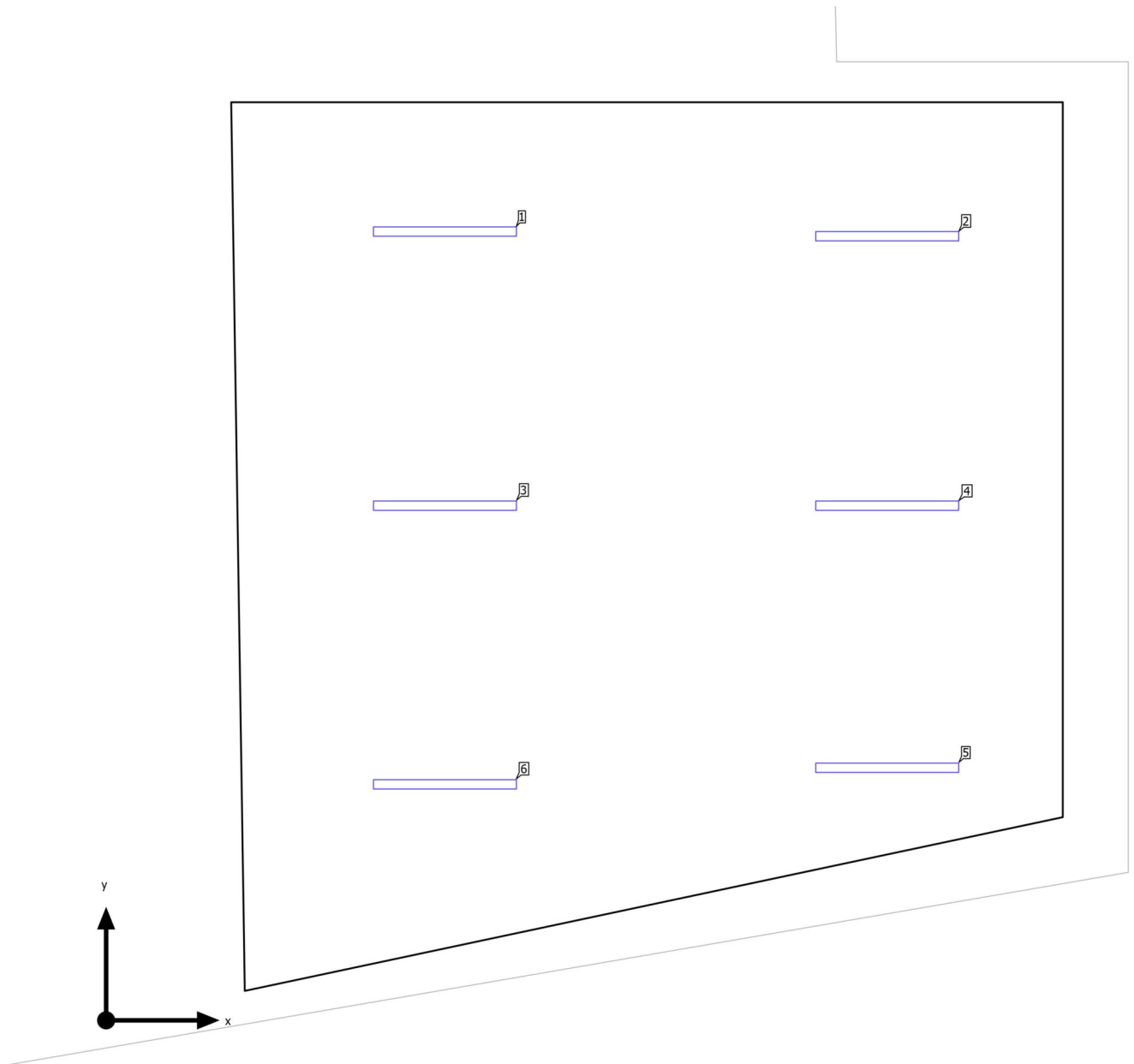
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuración DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

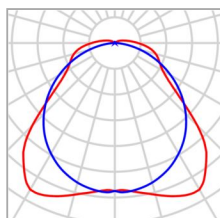
| Uni. | Fabricante | Nº de artículo | Nombre del artículo           | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-------------------------------|----------|--------|---------|----------------------|
| 6    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 23       | 28.5 W | 4000 lm | 140.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS

### Plano de situaci3n de luminarias



|                     |                                  |                        |         |
|---------------------|----------------------------------|------------------------|---------|
| Fabricante          | Philips                          | P                      | 28.5 W  |
| Nombre del art3culo | WT120C G2 L1200 1<br>xLED40S/840 | Φ <sub>Luminaria</sub> | 4000 lm |
| L3mpara             | 1x LED40S/840                    |                        |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 2.844 m | 6.620 m | 3.000 m           | 1         |
| 6.556 m | 6.580 m | 3.000 m           | 2         |
| 2.844 m | 4.320 m | 3.000 m           | 3         |
| 6.556 m | 4.320 m | 3.000 m           | 4         |
| 6.556 m | 2.120 m | 3.000 m           | 5         |
| 2.844 m | 1.980 m | 3.000 m           | 6         |

Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS

**Lista de luminarias**

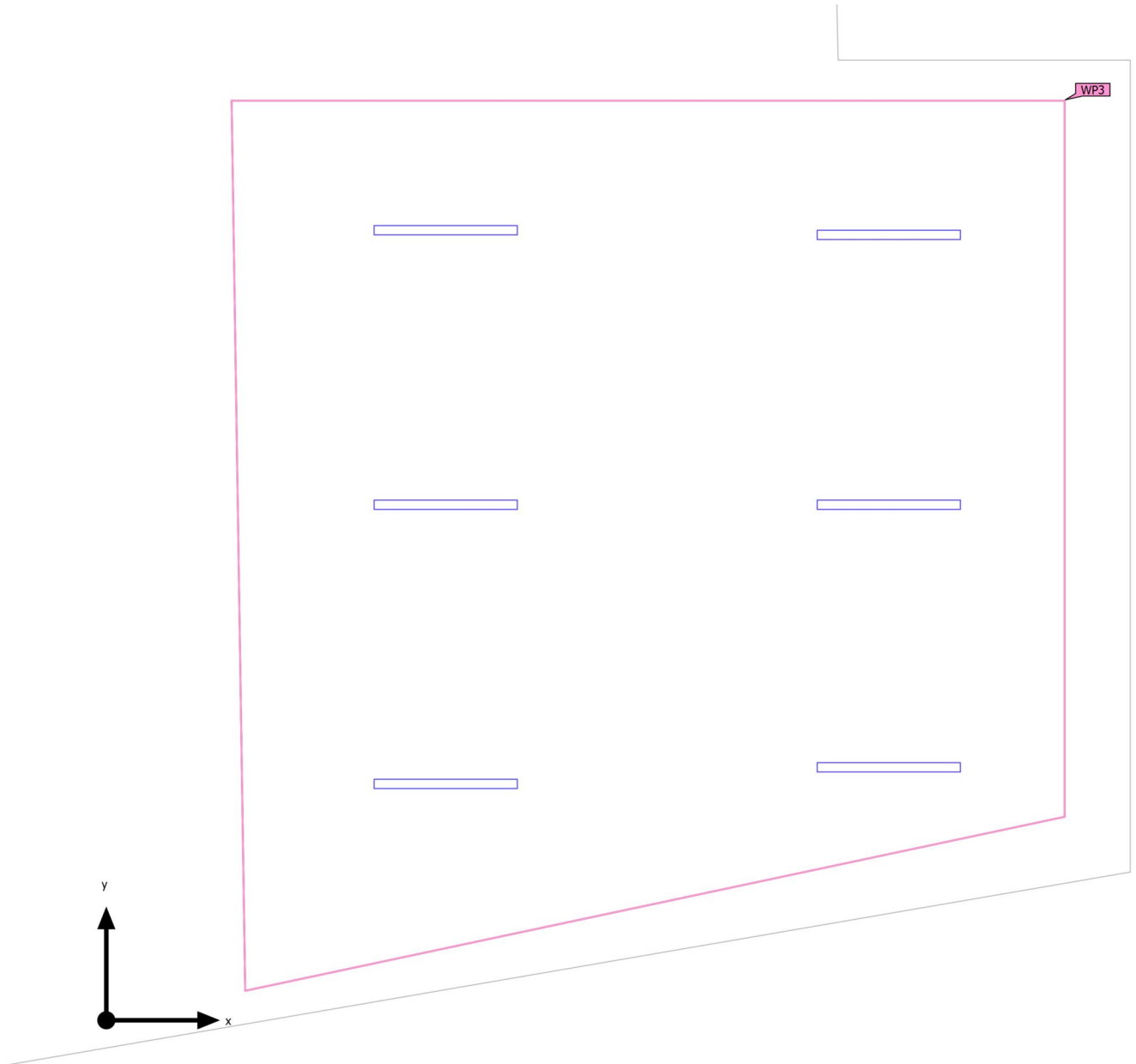
|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>24000 lm | $P_{total}$<br>171.0 W | Rendimiento lumínico<br>140.4 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo           | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-------------------------------|--------|---------|----------------------|
| 6    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 28.5 W | 4000 lm | 140.4 lm/W           |



Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS (Escena de luz 1)

**Objetos de c3lculo**

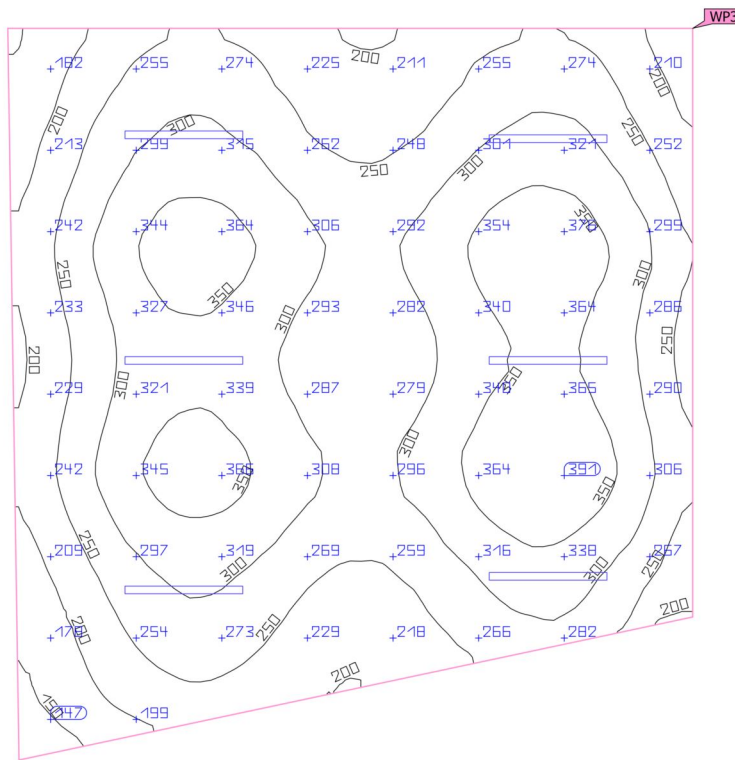
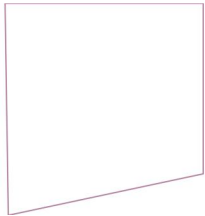
Planos 3tiles

| Propiedades   | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m3x}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|---|------------------------|-----------|-----------|------------------------------|-------|--------|
| Plano 3til (INSTAL·LACIONS)   | 285 lx                 | 119 lx    | 397 lx    | 0.42                         | 0.30  | WP3    |
| Illuminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |           |           | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · INSTAL·LACIONS (Escena de luz 1)

**Plano 6til (INSTAL·LACIONS)**

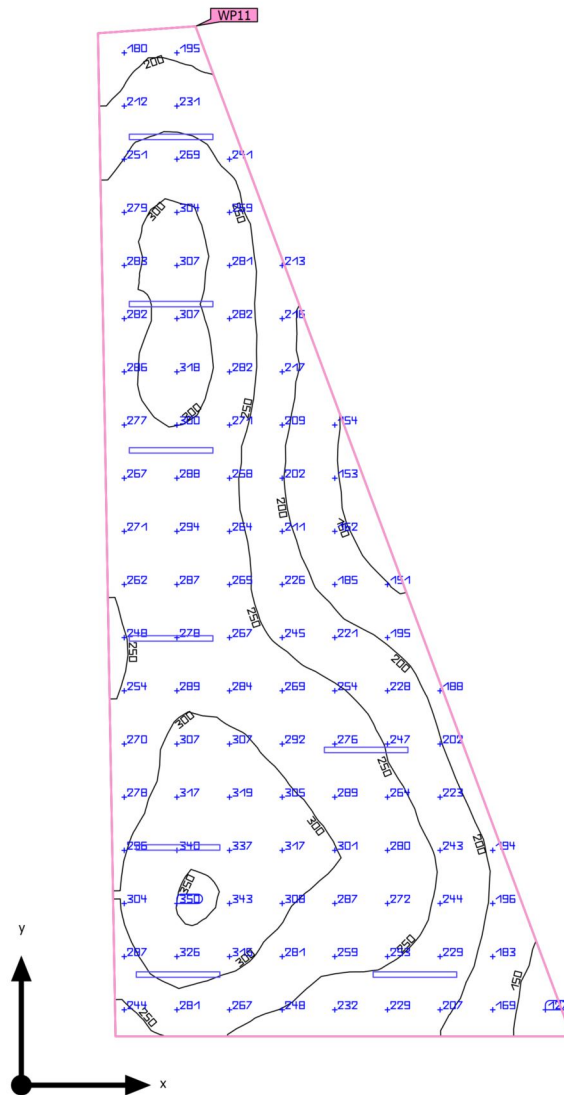


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (INSTAL·LACIONS)                 | 285 lx                 | 119 lx    | 397 lx            | 0.42                     | 0.30  | WP3    |
| Iluminancia perpendicular (Adaptativamente) | $\geq 500$ lx          |           |                   | $\geq 0.60$              |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM (Escena de luz 1)

Resumen



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 57.56 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.500 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 257 lx                        | $\geq 500$ lx   | ✗            | WP11   |
|   | $U_o (g_1)$                      | 0.44                          | $\geq 0.60$     | ✗            | WP11   |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 23                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 564 kWh/a                     | máx. 2050 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 3.96 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.54 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 15.868 m x 6.136 m y SHR de 0.25.

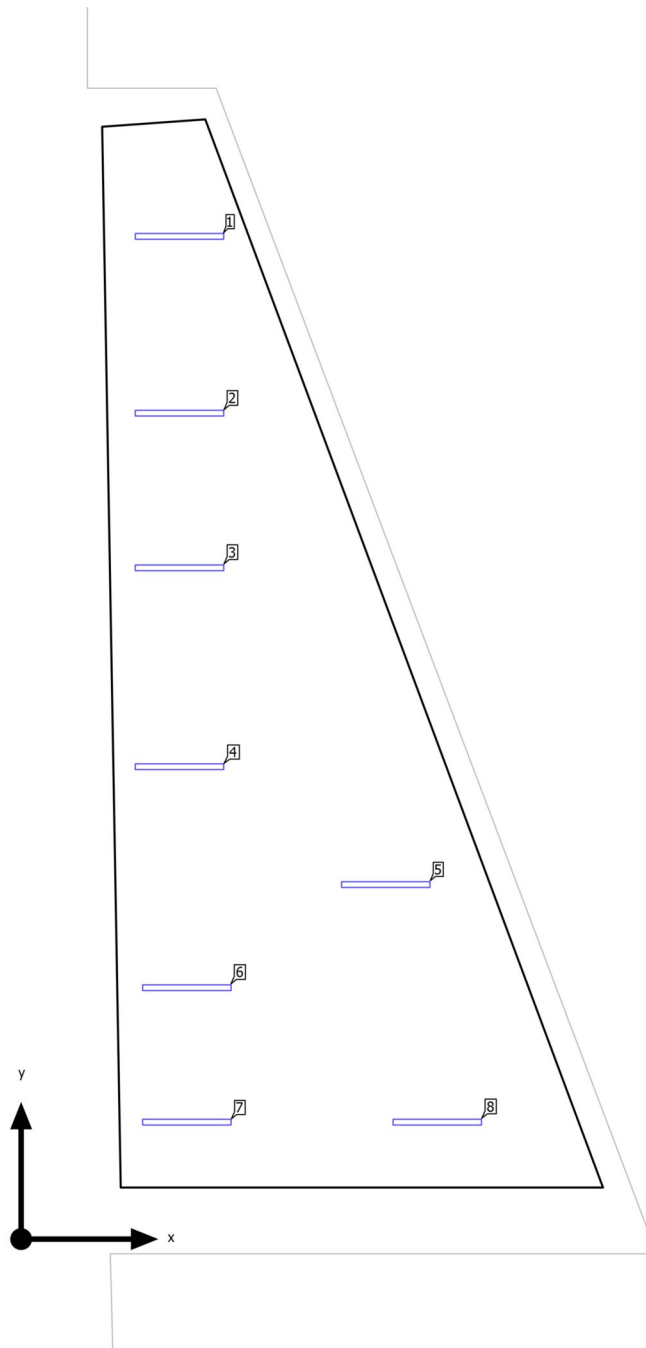
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

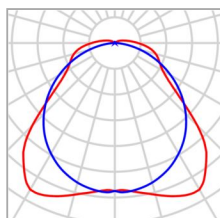
| Uni. | Fabricante | Nº de artículo | Nombre del artículo           | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-------------------------------|----------|--------|---------|----------------------|
| 8    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 23       | 28.5 W | 4000 lm | 140.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM

### Plano de situaci3n de luminarias



|                     |                                  |                        |         |
|---------------------|----------------------------------|------------------------|---------|
| Fabricante          | Philips                          | P                      | 28.5 W  |
| Nombre del art3culo | WT120C G2 L1200 1<br>xLED40S/840 | Φ <sub>Luminaria</sub> | 4000 lm |
| L3mpara             | 1x LED40S/840                    |                        |         |

#### Luminarias individuales

| X       | Y        | Altura de montaje | Luminaria |
|---------|----------|-------------------|-----------|
| 2.150 m | 13.612 m | 3.500 m           | 1         |
| 2.150 m | 11.212 m | 3.500 m           | 2         |
| 2.150 m | 9.112 m  | 3.500 m           | 3         |
| 2.150 m | 6.412 m  | 3.500 m           | 4         |
| 4.950 m | 4.812 m  | 3.500 m           | 5         |
| 2.250 m | 3.412 m  | 3.500 m           | 6         |
| 2.250 m | 1.588 m  | 3.500 m           | 7         |
| 5.650 m | 1.588 m  | 3.500 m           | 8         |

Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM

**Lista de luminarias**

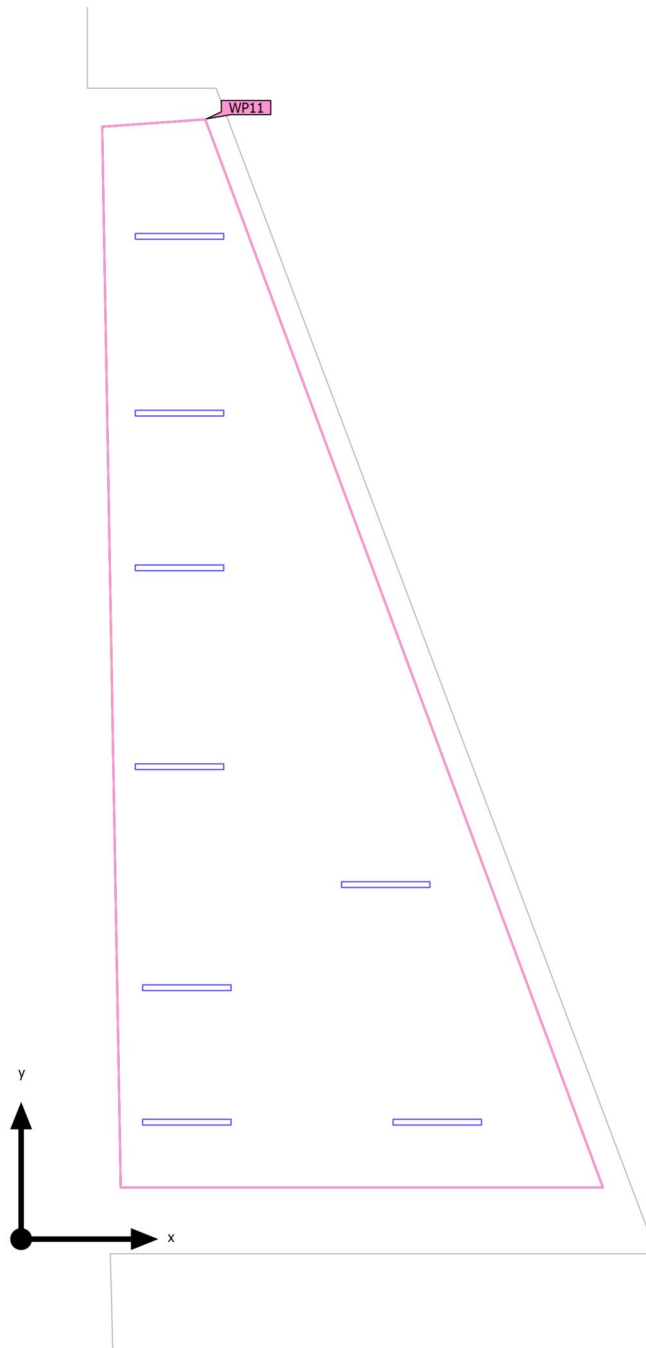
|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>32000 lm | $P_{total}$<br>228.0 W | Rendimiento lumínico<br>140.4 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo           | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-------------------------------|--------|---------|----------------------|
| 8    | Philips    |                | WT120C G2 L1200 1 xLED40S/840 | 28.5 W | 4000 lm | 140.4 lm/W           |



Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM (Escena de luz 1)

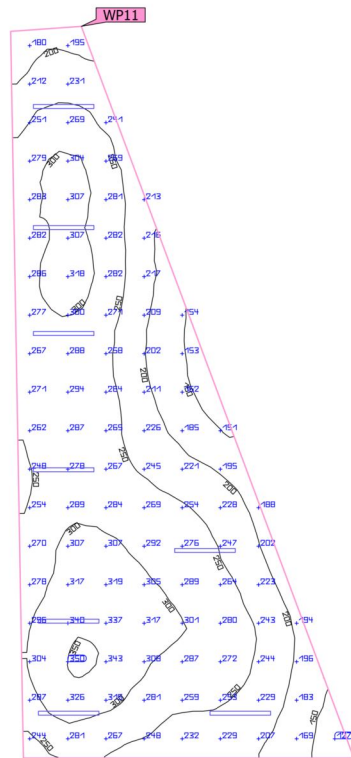
**Objetos de c3lculo**

Planos 3tiles

| Propiedades   | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|---|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (MAGATZEM)   | 257 lx                 | 113 lx     | 354 lx     | 0.44                         | 0.32  | WP11   |
| Illuminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · MAGATZEM (Escena de luz 1)  
**Plano 6til (MAGATZEM)**

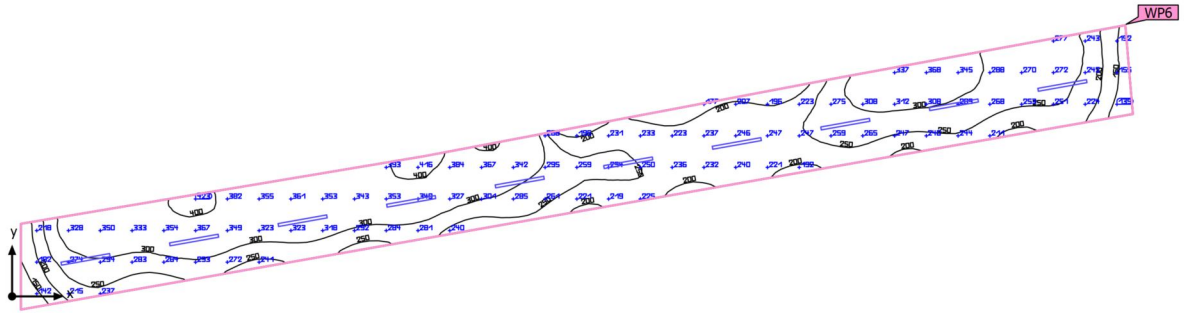


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (MAGATZEM)                       | 257 lx                 | 113 lx    | 354 lx            | 0.44                     | 0.32  | WP11   |
| Iluminancia perpendicular (Adaptativamente) | $\geq 500$ lx          |           |                   | $\geq 0.60$              |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR (Escena de luz 1)

Resumen



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 49.45 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.000 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 277 lx                        | $\geq 500$ lx   | ✗            | WP6    |
|   | $U_o (g_1)$                      | 0.36                          | $\geq 0.60$     | ✗            | WP6    |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 16                            | $\leq 19$       | ✓            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 337 kWh/a                     | máx. 1750 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 2.75 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 0.99 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 25.926 m x 2.107 m y SHR de 0.25.

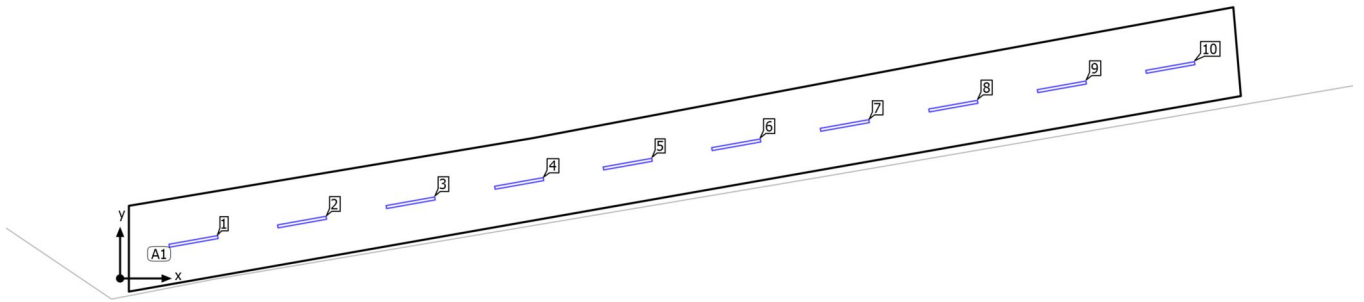
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

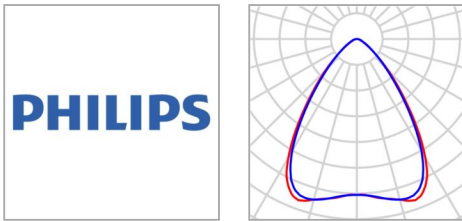
| Uni. | Fabricante | Nº de artículo | Nombre del artículo             | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---------------------------------|----------|--------|---------|----------------------|
| 10   | Philips    |                | SM350C L1200 PSD 1 x18S/840 PCS | 16       | 13.6 W | 1799 lm | 132.3 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR

**Plano de situaci3n de luminarias**



|                     |                                 |            |         |
|---------------------|---------------------------------|------------|---------|
| Fabricante          | Philips                         | P          | 13.6 W  |
| Nombre del art3culo | SM350C L1200 PSD 1 x18S/840 PCS | ΦLuminaria | 1799 lm |
| L3mpara             | 1x 18S/840                      |            |         |

10 x Philips SM350C L1200 PSD 1 x18S/840 PCS

| Tipo                   | Disposici3n en l3nea              | X        | Y       | Altura de montaje | Luminaria |
|------------------------|-----------------------------------|----------|---------|-------------------|-----------|
| 1era Luminaria (X/Y/Z) | 1.674 m / 0.845 m / 3.000 m       | 1.674 m  | 0.845 m | 3.000 m           | 1         |
| Direcci3n X            | 10 Uni., Centro - centro, 2.512 m | 4.147 m  | 1.286 m | 3.000 m           | 2         |
| Organizaci3n           | A1                                | 6.621 m  | 1.727 m | 3.000 m           | 3         |
|                        |                                   | 9.094 m  | 2.167 m | 3.000 m           | 4         |
|                        |                                   | 11.568 m | 2.608 m | 3.000 m           | 5         |
|                        |                                   | 14.041 m | 3.049 m | 3.000 m           | 6         |
|                        |                                   | 16.515 m | 3.489 m | 3.000 m           | 7         |
|                        |                                   | 18.988 m | 3.930 m | 3.000 m           | 8         |
|                        |                                   | 21.462 m | 4.371 m | 3.000 m           | 9         |
|                        |                                   | 23.935 m | 4.812 m | 3.000 m           | 10        |

Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR

**Lista de luminarias**

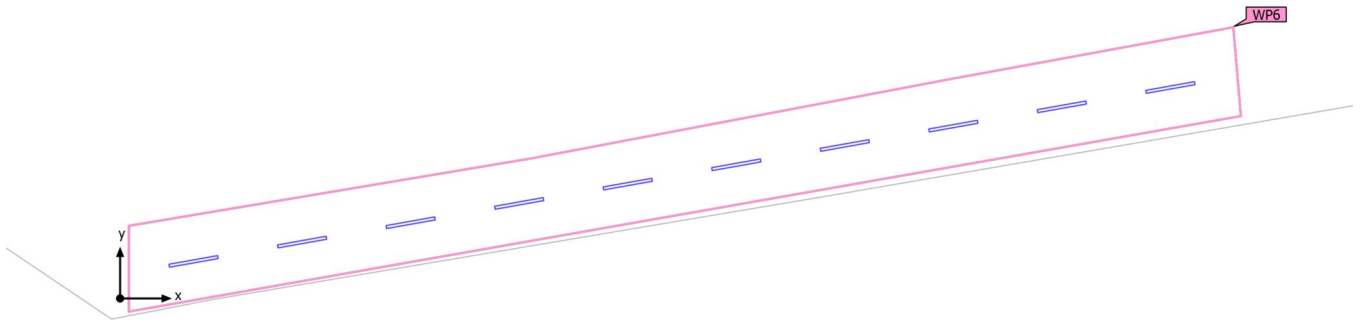
|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>17990 lm | $P_{total}$<br>136.0 W | Rendimiento lumínico<br>132.3 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo             | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---------------------------------|--------|---------|----------------------|
| 10   | Philips    |                | SM350C L1200 PSD 1 x18S/840 PCS | 13.6 W | 1799 lm | 132.3 lm/W           |



Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR (Escena de luz 1)

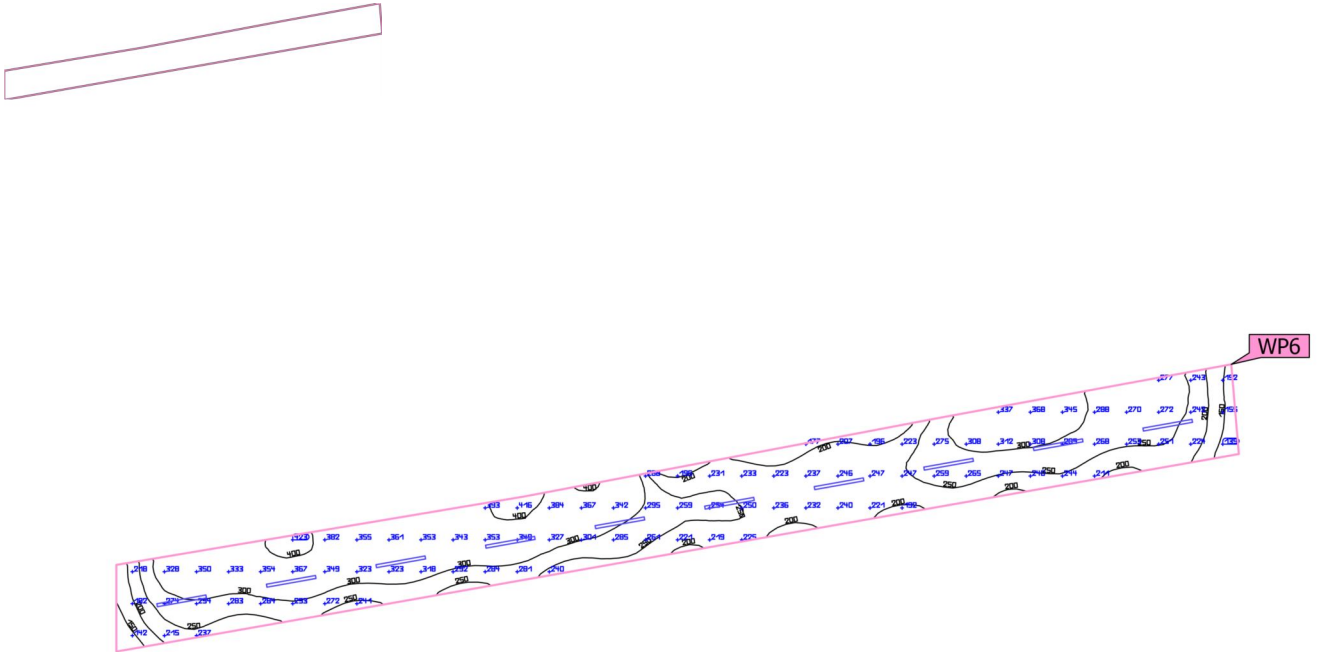
**Objetos de c3lculo**

Planos 3tiles

| Propiedades  | $\bar{E}$<br>(Nominal)          | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|---------------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (PASSADIS EXTERIOR)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 277 lx<br>( $\geq 500$ lx)<br>✗ | 100 lx     | 425 lx     | 0.36<br>( $\geq 0.60$ )<br>✗ | 0.24  | WP6    |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · PASSADIS EXTERIOR (Escena de luz 1)  
**Plano 6til (PASSADIS EXTERIOR)**

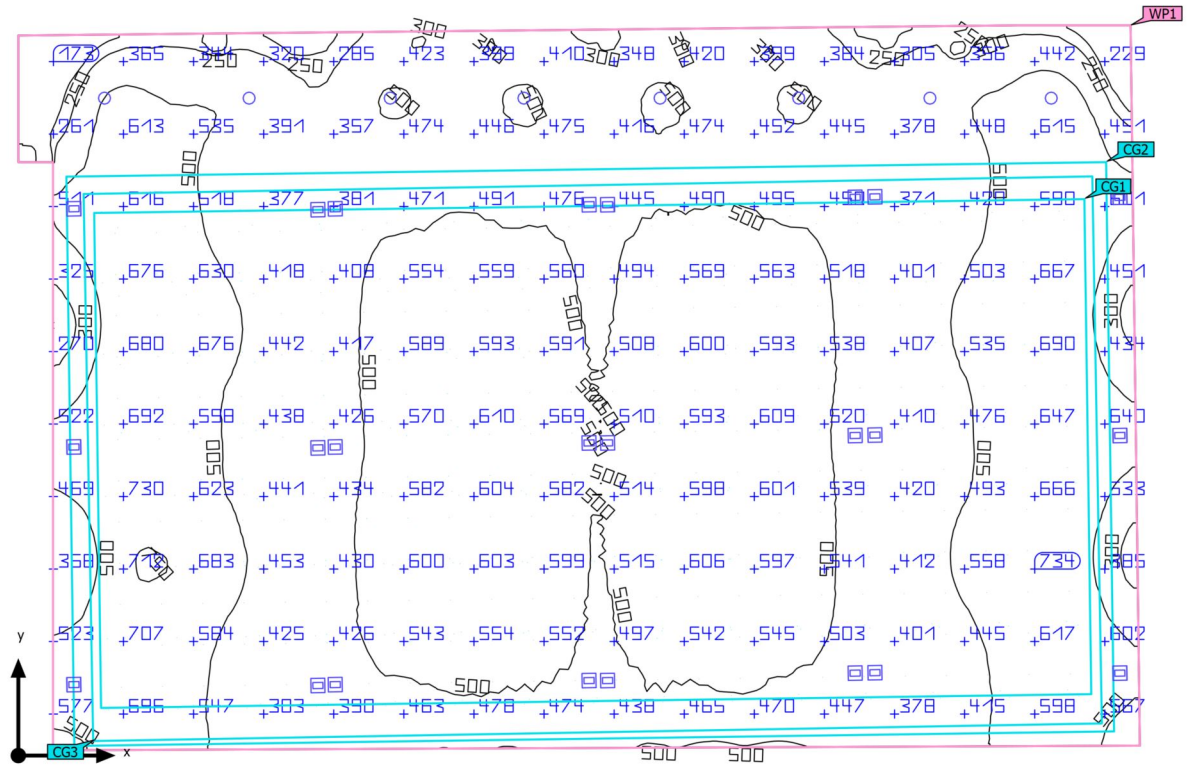


| Propiedades  | $\bar{E}$<br>(Nominal)     | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | 6ndice |
|--|----------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (PASSADIS EXTERIOR)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 277 lx<br>( $\geq 500$ lx) | 100 lx    | 425 lx            | 0.36<br>( $\geq 0.60$ )  | 0.24  | WP6    |
|  | ✗                          |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est6ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

Resumen



|                       |   |                           |                   |
|-----------------------|---|---------------------------|-------------------|
| Base                  | 1275.58 m <sup>2</sup>                              | Altura interior del local | 12.000 m          |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.500 m – 9.000 m |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m           |
|                       |   | Zona marginal Plano 3til  | 0.000 m           |

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

## Resumen

### Resultados

|                                   | Tamaño                          | Calculado                     | Nominal          | Verificaci3n | Índice |
|-----------------------------------|---------------------------------|-------------------------------|------------------|--------------|--------|
| Plano útil                        | $E_{\text{perpendicular}}$      | 505 lx                        | $\geq 500$ lx    | ✓            | WP1    |
|                                   | $U_o (g_1)$                     | 0.15                          | $\geq 0.60$      | ✗            | WP1    |
| Valores de consumo <sup>(2)</sup> | Consumo                         | 16255 kWh/a                   | máx. 44650 kWh/a | ✓            |        |
| Local                             | Potencia específica de conexi3n | 5.15 W/m <sup>2</sup>         | -                |              |        |
|                                   |                                 | 1.02 W/m <sup>2</sup> /100 lx | -                |              |        |

(1) Basado en un espacio rectangular de 45.082 m x 29.144 m y SHR de 0.25.

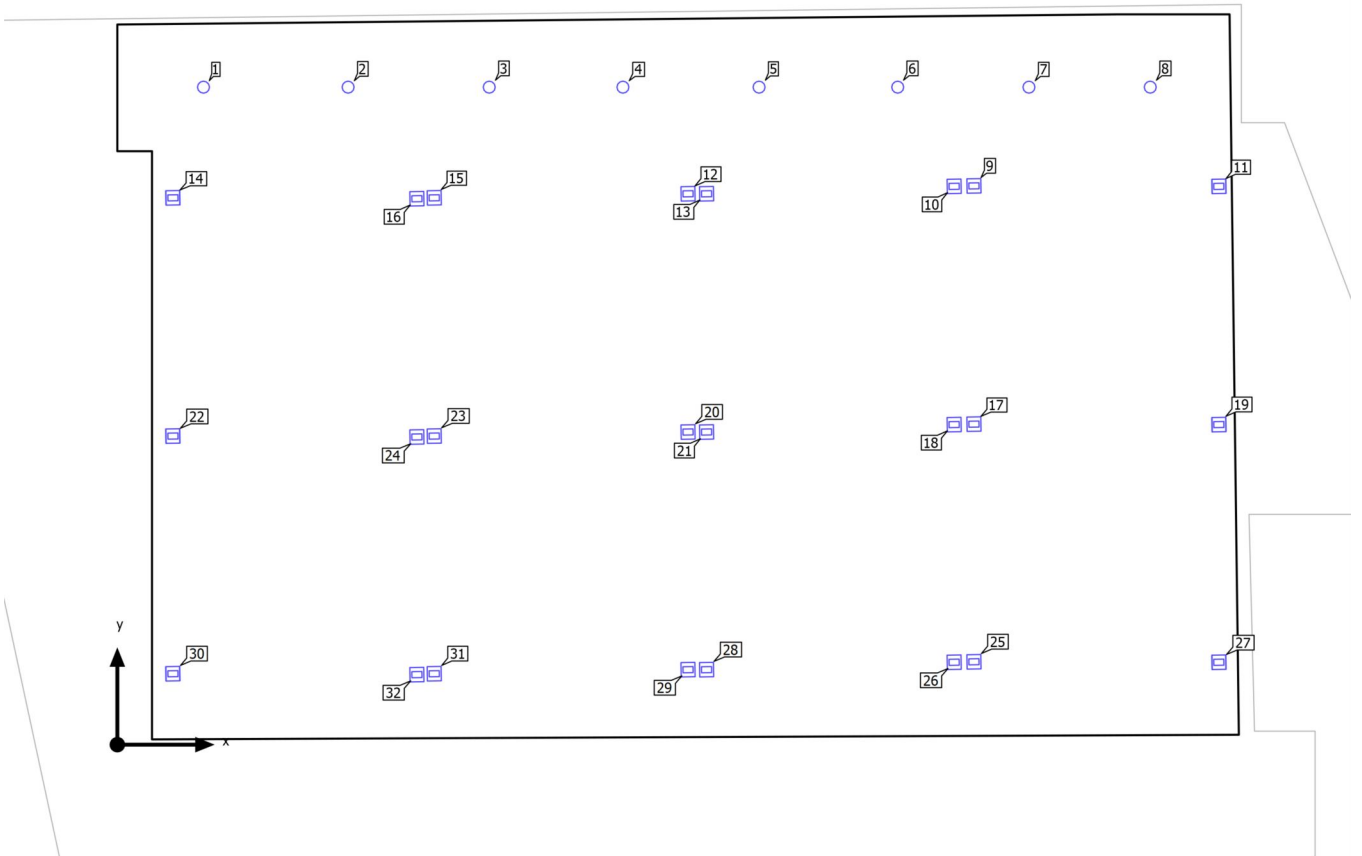
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

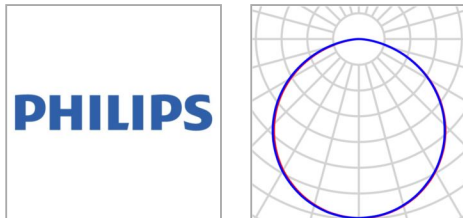
| Uni. | Fabricante | Nº de artículo                               | Nombre del artículo                | R <sub>UG</sub> | P       | Φ        | Rendimiento lumínico |
|------|------------|--|------------------------------------|-----------------|---------|----------|----------------------|
| 8    | Philips    |  | TRUE CIRCLE SM 1xLED37S/840 PSP    | -               | 35.5 W  | 3699 lm  | 104.2 lm/W           |
| 24   | Philips    | BVP650I-61507a2f-8a11-4063-b560-fa524d31b79c | BVP650 T35 LED360-4S/840 PSM OFA52 | -               | 261.8 W | 30782 lm | 117.6 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU

### Plano de situaci3n de luminarias



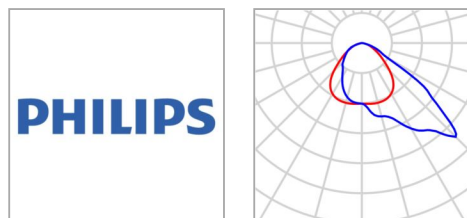
|                     |                                    |            |         |
|---------------------|------------------------------------|------------|---------|
| Fabricante          | Philips                            | P          | 35.5 W  |
| Nombre del art3culo | TRUE CIRCLE SM<br>1xLED37S/840 PSP | ΦLuminaria | 3699 lm |
| L3mpara             | 1x LED37S/840                      |            |         |

#### Luminarias individuales

| X        | Y        | Altura de montaje | Luminaria |
|----------|----------|-------------------|-----------|
| 3.479 m  | 26.558 m | 3.500 m           | 1         |
| 9.321 m  | 26.558 m | 3.500 m           | 2         |
| 15.021 m | 26.558 m | 3.500 m           | 3         |
| 20.421 m | 26.558 m | 3.500 m           | 4         |
| 25.921 m | 26.558 m | 3.500 m           | 5         |
| 31.521 m | 26.558 m | 3.500 m           | 6         |
| 36.821 m | 26.558 m | 3.500 m           | 7         |
| 41.721 m | 26.558 m | 3.500 m           | 8         |

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU

### Plano de situaci3n de luminarias



|                     |  |            |          |
|---------------------|--|------------|----------|
| Fabricante          | Philips                                      | P          | 261.8 W  |
| Nº de art3culo      | BVP650I-61507a2f-8a11-4063-b560-fa524d31b79c | ΦLuminaria | 30782 lm |
| Nombre del art3culo | BVP650 T35 LED360-4S/840 PSM OFA52           |            |          |
| L3mpara             | 1x LED360-4S/840                             |            |          |

#### Luminarias individuales

| X        | Y        | Altura de montaje | Luminaria |
|----------|----------|-------------------|-----------|
| 34.600 m | 22.571 m | 9.000 m           | 9         |
| 33.800 m | 22.552 m | 9.000 m           | 10        |
| 44.500 m | 22.552 m | 5.000 m           | 11        |
| 23.052 m | 22.252 m | 9.000 m           | 12        |
| 23.800 m | 22.252 m | 9.000 m           | 13        |
| 2.238 m  | 22.088 m | 5.000 m           | 14        |
| 12.800 m | 22.088 m | 9.000 m           | 15        |
| 12.100 m | 22.052 m | 9.000 m           | 16        |
| 34.600 m | 12.948 m | 9.000 m           | 17        |
| 33.800 m | 12.929 m | 9.000 m           | 18        |
| 44.500 m | 12.929 m | 5.000 m           | 19        |
| 23.052 m | 12.629 m | 9.000 m           | 20        |
| 23.800 m | 12.629 m | 9.000 m           | 21        |



Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU

**Plano de situaci3n de luminarias**

| X        | Y        | Altura de montaje | Luminaria |
|----------|----------|-------------------|-----------|
| 2.238 m  | 12.465 m | 5.000 m           | 22        |
| 12.800 m | 12.465 m | 9.000 m           | 23        |
| 12.100 m | 12.429 m | 9.000 m           | 24        |
| 34.600 m | 3.348 m  | 9.000 m           | 25        |
| 33.800 m | 3.329 m  | 9.000 m           | 26        |
| 44.500 m | 3.329 m  | 5.000 m           | 27        |
| 23.800 m | 3.029 m  | 9.000 m           | 28        |
| 23.052 m | 3.029 m  | 9.000 m           | 29        |
| 2.238 m  | 2.865 m  | 5.000 m           | 30        |
| 12.800 m | 2.865 m  | 9.000 m           | 31        |
| 12.100 m | 2.829 m  | 9.000 m           | 32        |

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU

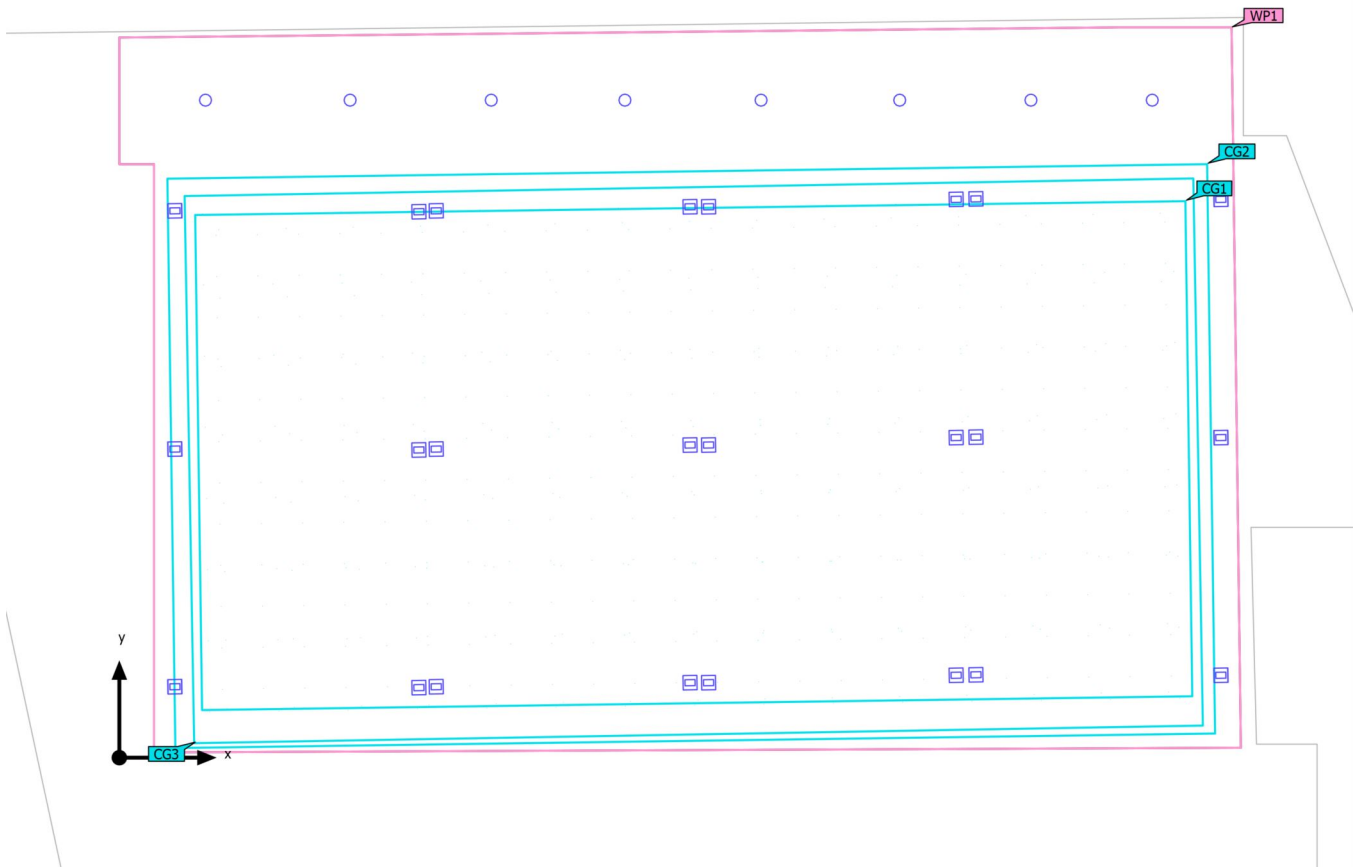
**Lista de luminarias**

|                             |                         |                                    |
|-----------------------------|-------------------------|------------------------------------|
| $\Phi_{total}$<br>768360 lm | $P_{total}$<br>6567.2 W | Rendimiento lumínico<br>117.0 lm/W |
|-----------------------------|-------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo   | Nombre del artículo                | P       | $\Phi$   | Rendimiento lumínico |
|------|------------|--|------------------------------------|---------|----------|----------------------|
| 8    | Philips    |  | TRUE CIRCLE SM 1xLED37S/840 PSP    | 35.5 W  | 3699 lm  | 104.2 lm/W           |
| 24   | Philips    | BVP650I-<br>61507a2f-<br>8a11-4063-<br>b560-<br>fa524d31b79c | BVP650 T35 LED360-4S/840 PSM OFA52 | 261.8 W | 30782 lm | 117.6 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

**Objetos de c3lculo**

Planos 3tiles

| Propiedades   | $\bar{E}$<br>(Nominal)          | $E_{\min}$ | $E_{\max}$ | $U_o$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|---|---------------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (POLIESPORTIU)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 505 lx<br>( $\geq 500$ lx)<br>✓ | 78.1 lx    | 764 lx     | 0.15<br>( $\geq 0.60$ )<br>✗ | 0.10  | WP1    |

Superficie de c3lculo

| Propiedades   | $\bar{E}$ | $E_{\min}$ | $E_{\max}$ | $U_o$ ( $g_1$ ) | $g_2$ | 3ndice |
|---|-----------|------------|------------|-----------------|-------|--------|
| PISTA FUTBOL SALA<br>Iluminancia perpendicular<br>Altura: 0.010 m | 533 lx    | 388 lx     | 699 lx     | 0.73            | 0.56  | CG1    |
| PISTA TOTAL<br>Iluminancia perpendicular<br>Altura: 0.010 m       | 524 lx    | 374 lx     | 689 lx     | 0.71            | 0.54  | CG2    |

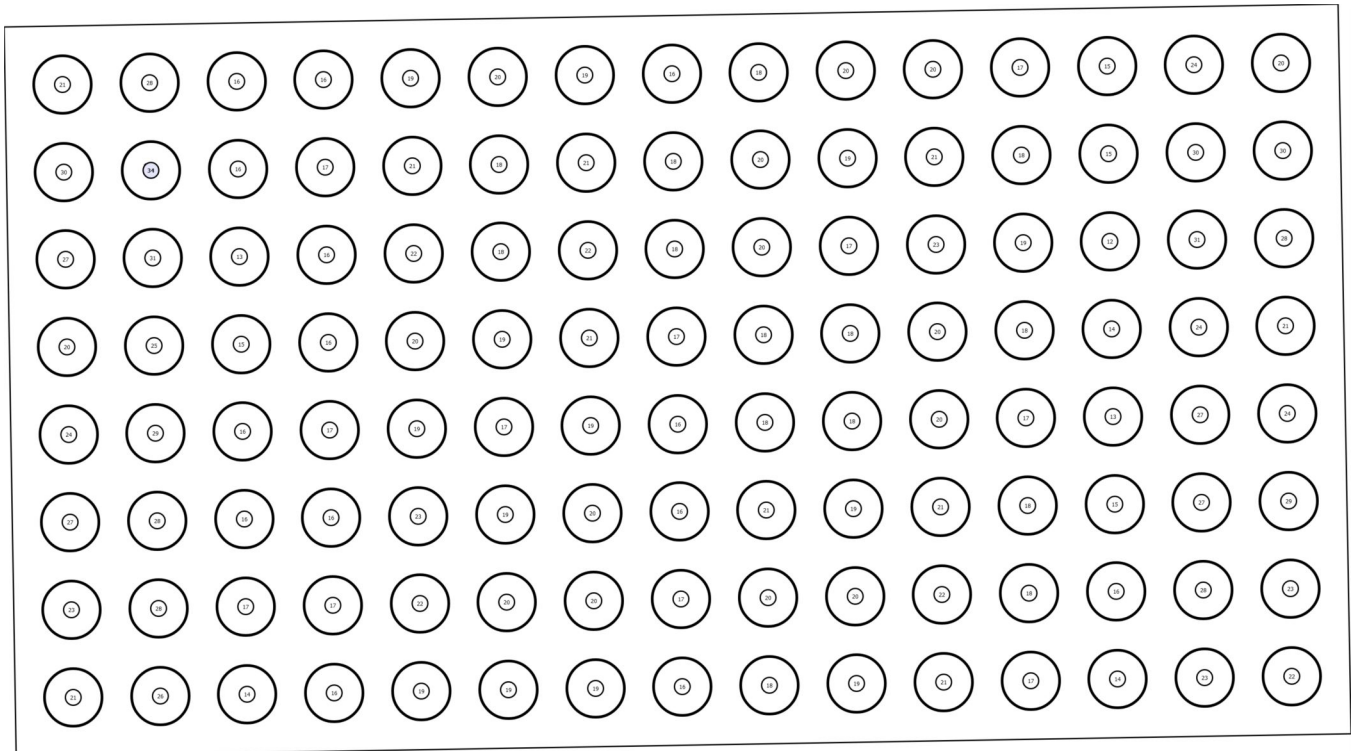
UGR mesurat (GR)

|                           |                |
|---------------------------|----------------|
| M3x.<br>deslumbramiento a | 135°           |
| m3x                       | 34             |
| Nominal                   | -              |
| 3rea del 3ngulo<br>visual | 0° - 360°      |
| Amplitud de paso          | 15°            |
| 3ngulo de<br>inclinaci3n  | -2°            |
| Altura                    | 1.500 m        |
| 3ndice                    | CG3            |
| M3todo                    | c3lculo exacto |

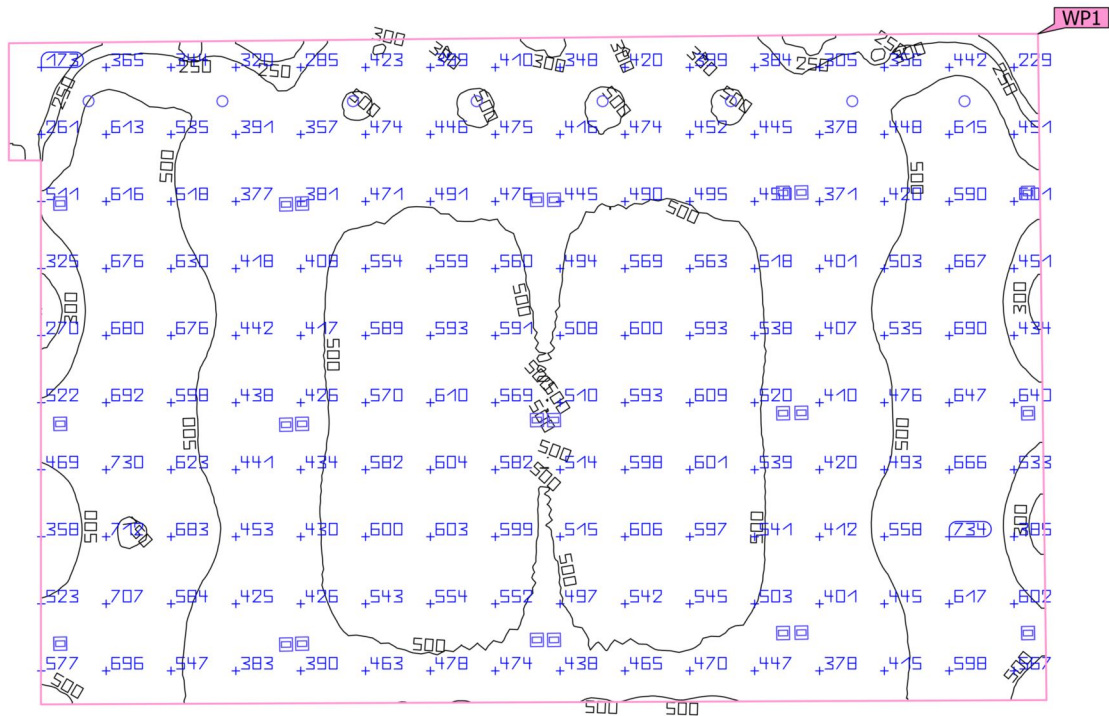
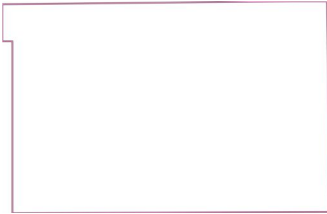
Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

**Objetos de c3lculo**

UGR mesurat (GR)



Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)  
**Plano 6til (POLIESPORTIU)**

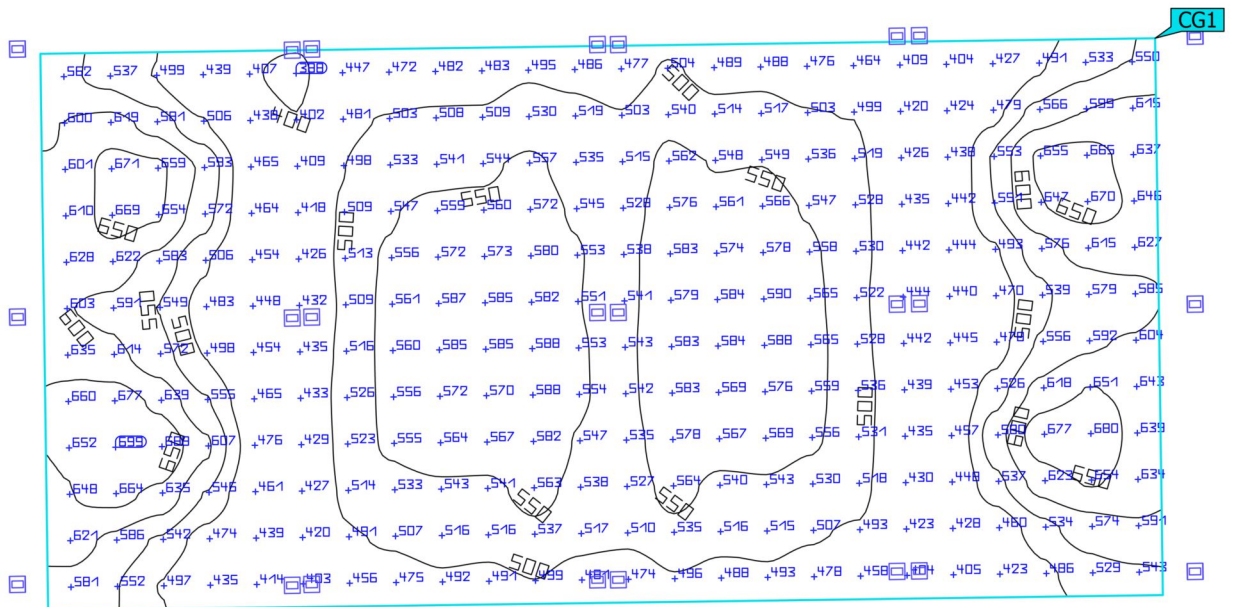
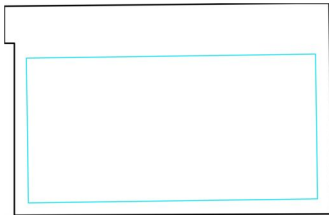


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 6ndice |
|---|------------------------|-----------|-----------|------------------------------|-------|--------|
| Plano 6til (POLIESPORTIU)                   | 505 lx                 | 78.1 lx   | 764 lx    | 0.15                         | 0.10  | WP1    |
| Iluminancia perpendicular (Adaptativamente) | $\geq 500$ lx          |           |           | $\geq 0.60$                  |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✓                      |           |           | ✗                            |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est6ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

**PISTA FUTBOL SALA**

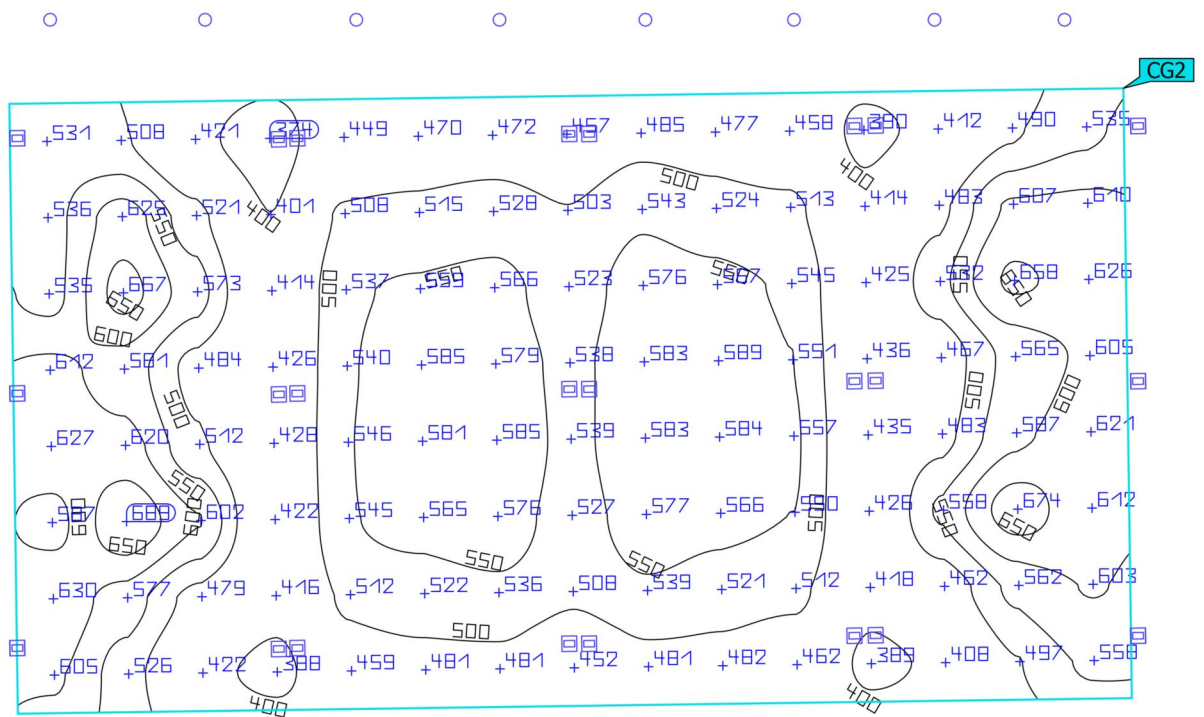


| Propiedades   | $\bar{E}$ | $E_{min}$ | $E_{max}$ | $U_0 (g_1)$ | $g_2$ | Índice |
|---|-----------|-----------|-----------|-------------|-------|--------|
| PISTA FUTBOL SALA<br>Iluminancia perpendicular<br>Altura: 0.010 m | 533 lx    | 388 lx    | 699 lx    | 0.73        | 0.56  | CG1    |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · POLIESPORTIU (Escena de luz 1)

**PISTA TOTAL**



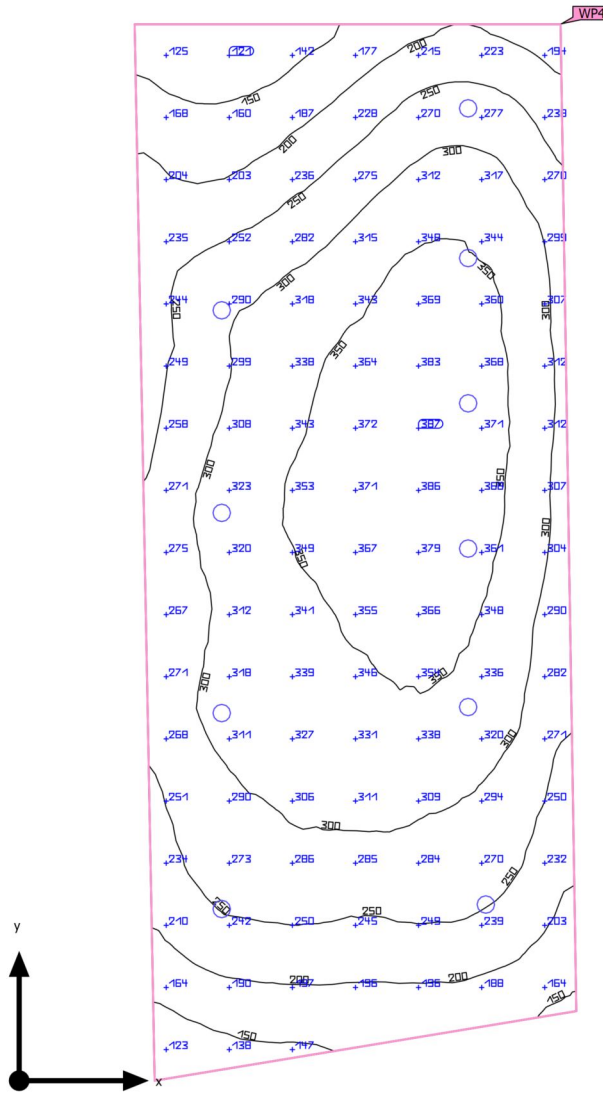
| Propiedades   | $\bar{E}$ | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$ | $g_2$ | Índice |
|---|-----------|-----------|-------------------|-------------|-------|--------|
| PISTA TOTAL<br>Iluminancia perpendicular<br>Altura: 0.010 m | 524 lx    | 374 lx    | 689 lx            | 0.71        | 0.54  | CG2    |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA (Escena de luz 1)

Resumen



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 24.87 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.000 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal        | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 281 lx                        | $\geq 500$ lx  | ✗            | WP4    |
|   | $U_o (g_1)$                      | 0.38                          | $\geq 0.60$    | ✗            | WP4    |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 22                            | $\leq 19$      | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 243 kWh/a                     | máx. 900 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 3.94 W/m <sup>2</sup>         | -              |              |        |
|   |                                  | 1.40 W/m <sup>2</sup> /100 lx | -              |              |        |

(1) Basado en un espacio rectangular de 8.001 m x 3.225 m y SHR de 0.25.

(2) Calculado mediante la eval. ener.

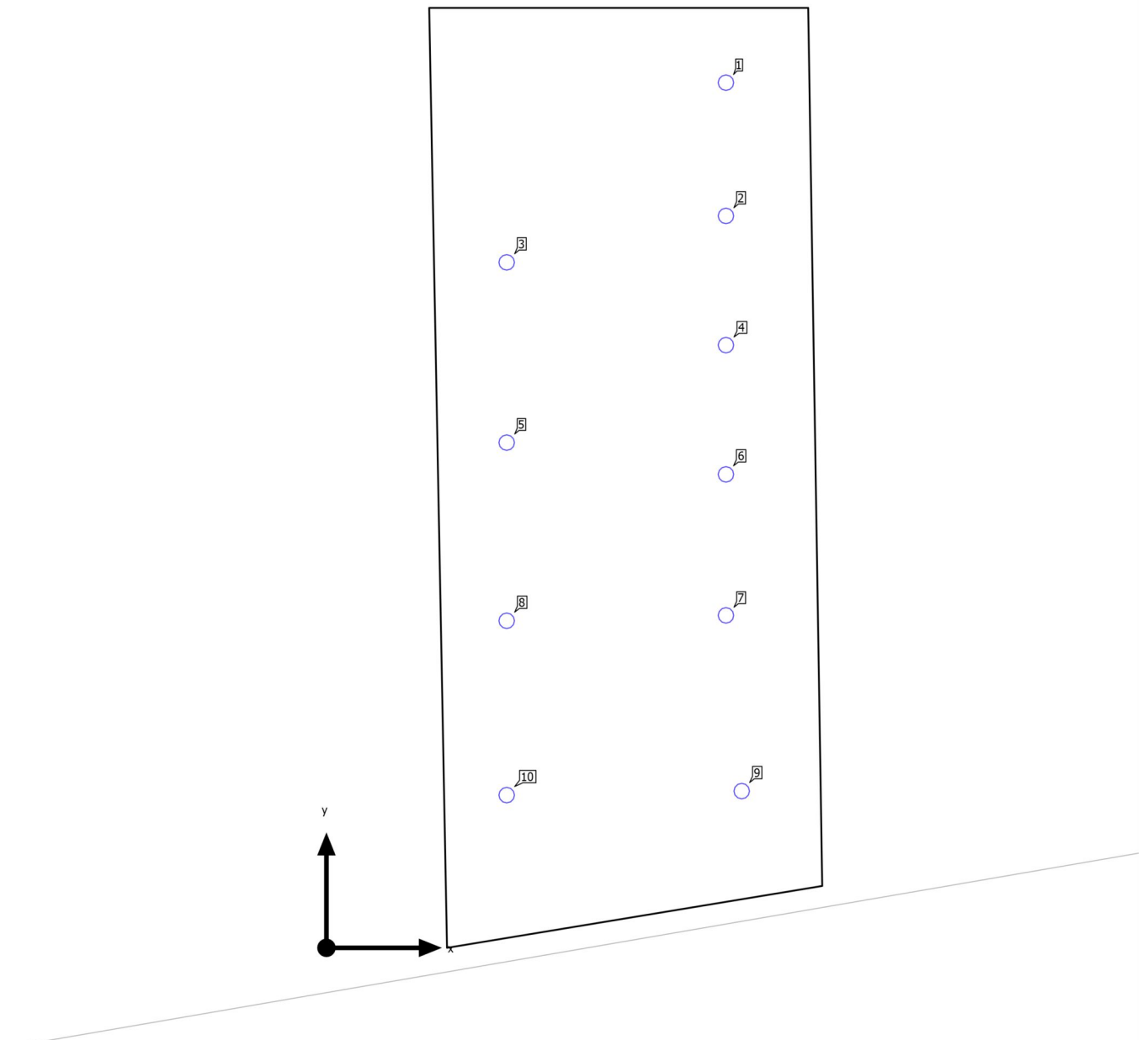
Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | $R_{UG}$ | P     | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|----------|-------|---------|----------------------|
| 10   | Philips    |                | CoreLine Downlight gen5 DN142B<br>10S PSU-E IP54 1xLED/4000K WR | 22       | 9.8 W | 1200 lm | 122.4 lm/W           |

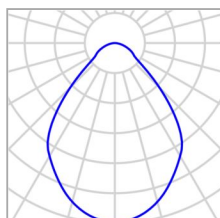
Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA

**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA

### Plano de situaci3n de luminarias



|                     |   |                        |         |
|---------------------|---|------------------------|---------|
| Fabricante          | Philips   | P                      | 9.8 W   |
| Nombre del art3culo | CoreLine Downlight<br>gen5 DN142B 10S<br>PSU-E IP54<br>1xLED/4000K WR | Φ <sub>Luminaria</sub> | 1200 lm |
| L3mpara             | 1x LED/4000K  |                        |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 3.400 m | 7.364 m | 3.000 m           | 1         |
| 3.400 m | 6.230 m | 3.000 m           | 2         |
| 1.534 m | 5.834 m | 3.000 m           | 3         |
| 3.400 m | 5.130 m | 3.000 m           | 4         |
| 1.534 m | 4.300 m | 3.000 m           | 5         |
| 3.400 m | 4.030 m | 3.000 m           | 6         |
| 3.400 m | 2.830 m | 3.000 m           | 7         |
| 1.534 m | 2.784 m | 3.000 m           | 8         |
| 3.534 m | 1.334 m | 3.000 m           | 9         |
| 1.534 m | 1.300 m | 3.000 m           | 10        |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA

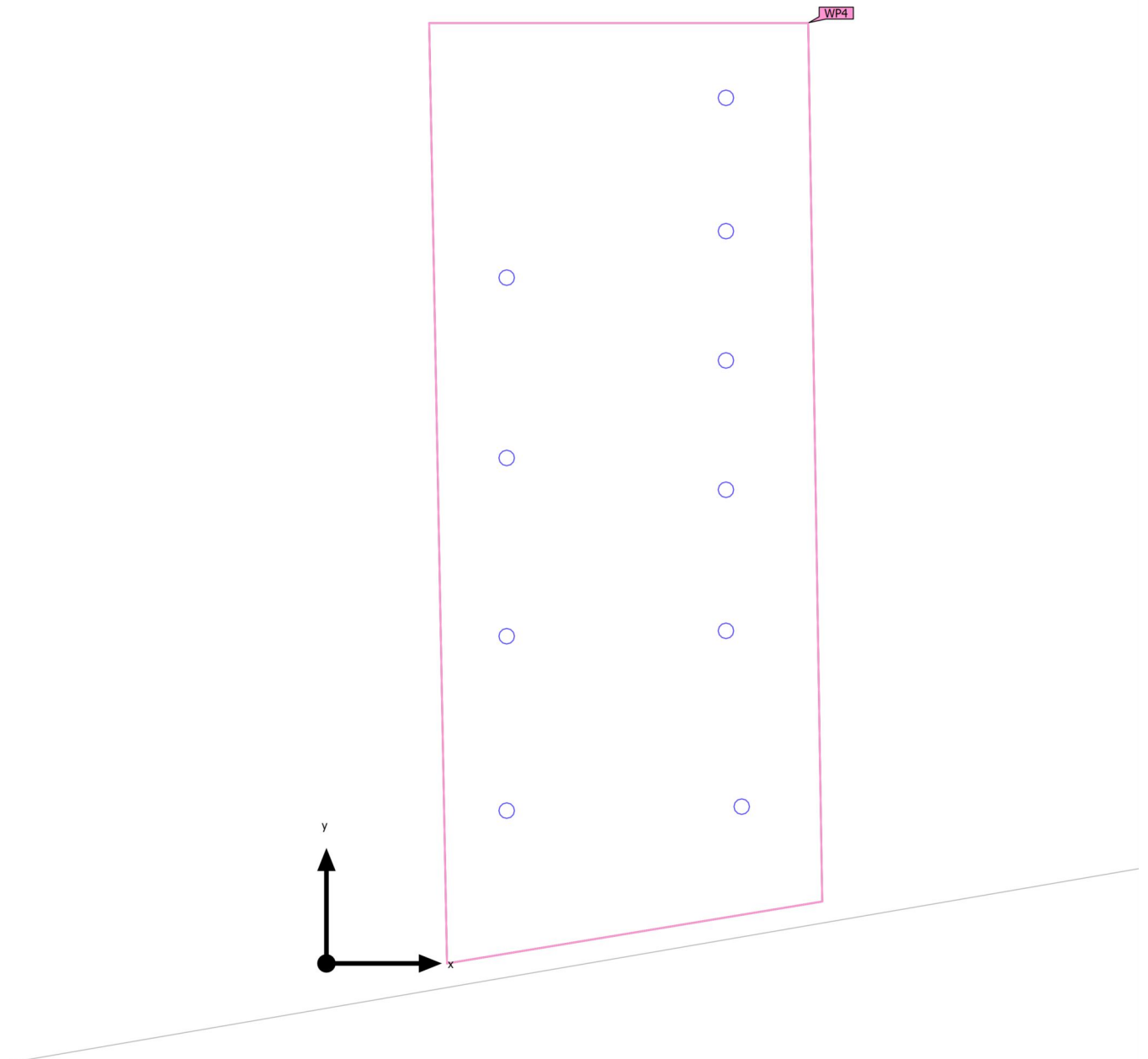
**Lista de luminarias**

|                            |                       |                                    |
|----------------------------|-----------------------|------------------------------------|
| $\Phi_{total}$<br>12000 lm | $P_{total}$<br>98.0 W | Rendimiento lumínico<br>122.4 lm/W |
|----------------------------|-----------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | P     | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|-------|---------|----------------------|
| 10   | Philips    |                | CoreLine Downlight gen5 DN142B 10S PSU-E<br>IP54 1xLED/4000K WR | 9.8 W | 1200 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA (Escena de luz 1)

**Objetos de c3lculo**

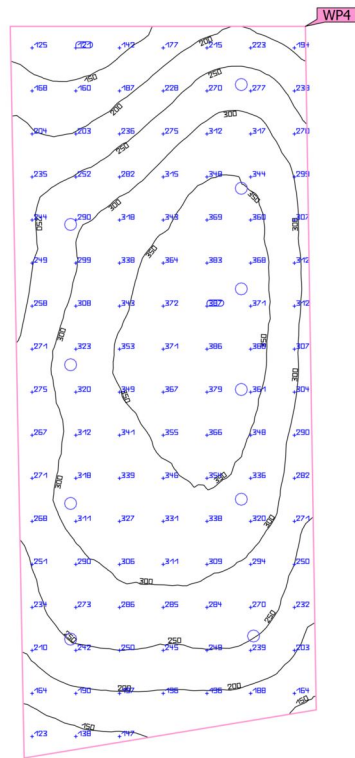
Planos 3tiles

| Propiedades  | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (SERVEIS PISTA)   | 281 lx                 | 106 lx     | 387 lx     | 0.38                         | 0.27  | WP4    |
| Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PISTA (Escena de luz 1)

**Plano 6til (SERVEIS PISTA)**



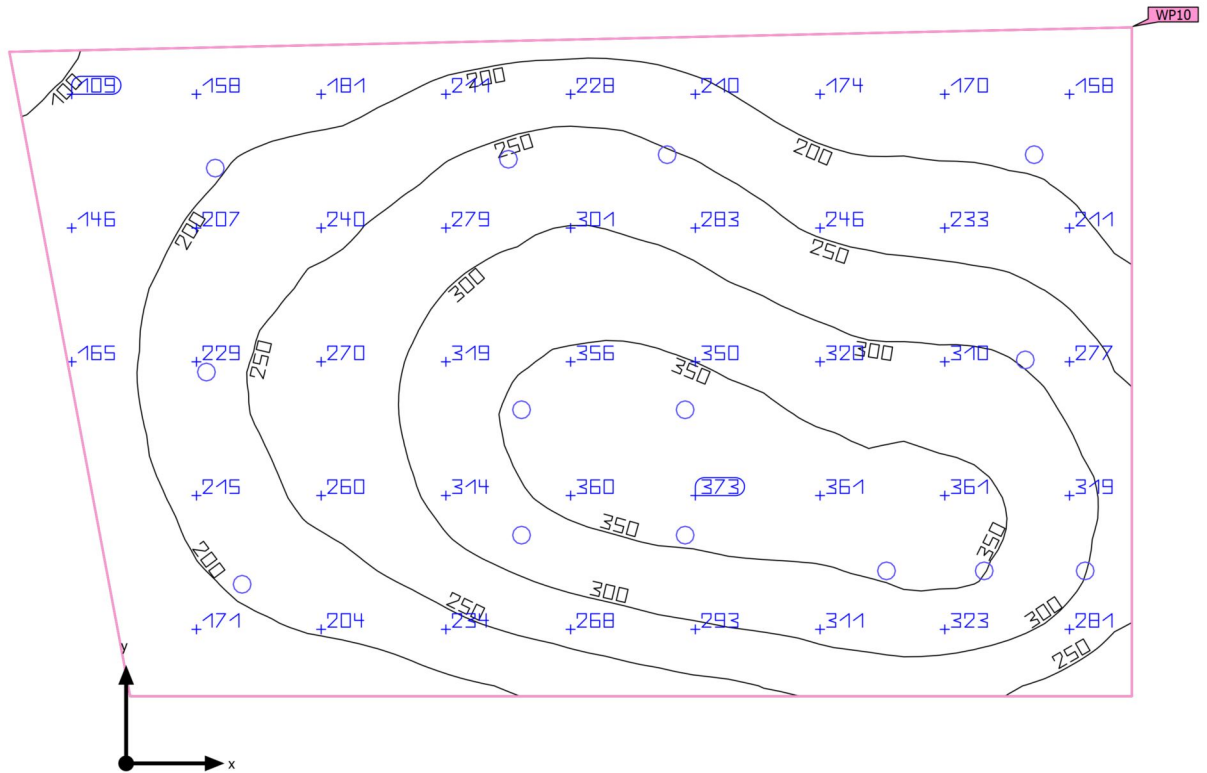
| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (SERVEIS PISTA)                  | 281 lx                 | 106 lx    | 387 lx            | 0.38                     | 0.27  | WP4    |
| Iluminancia perpendicular (Adaptativamente) | ( $\geq 500$ lx)       |           |                   | ( $\geq 0.60$ )          |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS (Escena de luz 1)

**Resumen**



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 38.74 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.500 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 257 lx                        | $\geq 500$ lx   | ✗            | WP10   |
|   | $U_o (g_1)$                      | 0.32                          | $\geq 0.60$     | ✗            | WP10   |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 22                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 340 kWh/a                     | máx. 1400 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 3.54 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.38 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 8.362 m x 4.982 m y SHR de 0.25.

(2) Calculado mediante la eval. ener.

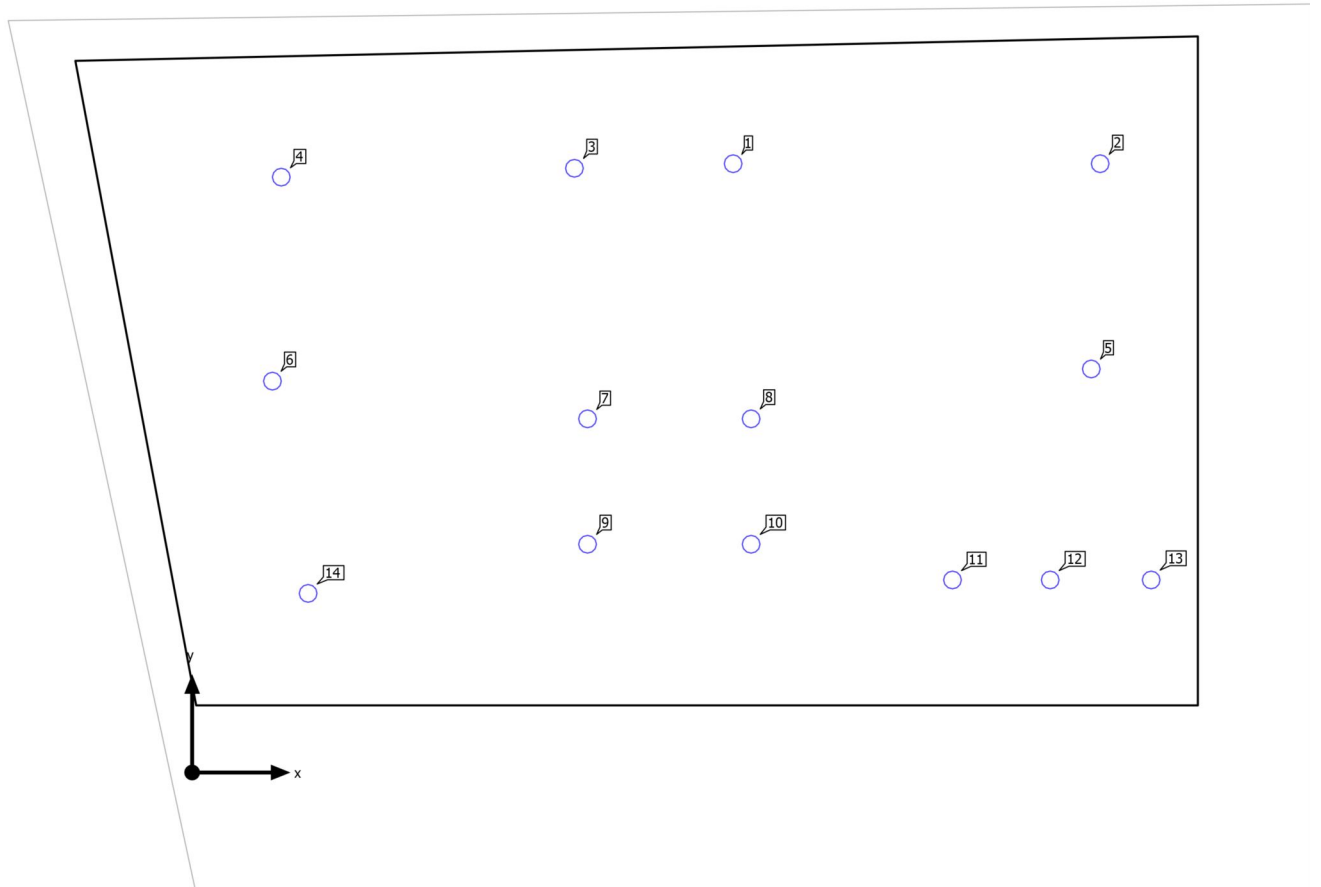
Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | $R_{UG}$ | P     | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|----------|-------|---------|----------------------|
| 14   | Philips    |                | CoreLine Downlight gen5 DN142B<br>10S PSU-E IP54 1xLED/4000K WR | 22       | 9.8 W | 1200 lm | 122.4 lm/W           |

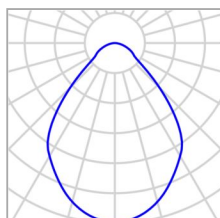
Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS

### Plano de situaci3n de luminarias



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS

### Plano de situaci3n de luminarias



|                     |   |            |         |
|---------------------|---|------------|---------|
| Fabricante          | Philips   | P          | 9.8 W   |
| Nombre del art3culo | CoreLine Downlight<br>gen5 DN142B 10S<br>PSU-E IP54<br>1xLED/4000K WR | ΦLuminaria | 1200 lm |
| L3mpara             | 1x LED/4000K  |            |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 4.030 m | 4.534 m | 3.500 m           | 1         |
| 6.764 m | 4.534 m | 3.500 m           | 2         |
| 2.848 m | 4.500 m | 3.500 m           | 3         |
| 0.664 m | 4.434 m | 3.500 m           | 4         |
| 6.698 m | 3.005 m | 3.500 m           | 5         |
| 0.598 m | 2.915 m | 3.500 m           | 6         |
| 2.945 m | 2.634 m | 3.500 m           | 7         |
| 4.164 m | 2.634 m | 3.500 m           | 8         |
| 2.945 m | 1.700 m | 3.500 m           | 9         |
| 4.164 m | 1.700 m | 3.500 m           | 10        |
| 5.664 m | 1.434 m | 3.500 m           | 11        |
| 6.392 m | 1.434 m | 3.500 m           | 12        |
| 7.144 m | 1.434 m | 3.500 m           | 13        |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS

**Plano de situaci3n de luminarias**

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 0.864 m | 1.334 m | 3.500 m           | 14        |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PÚBLICS

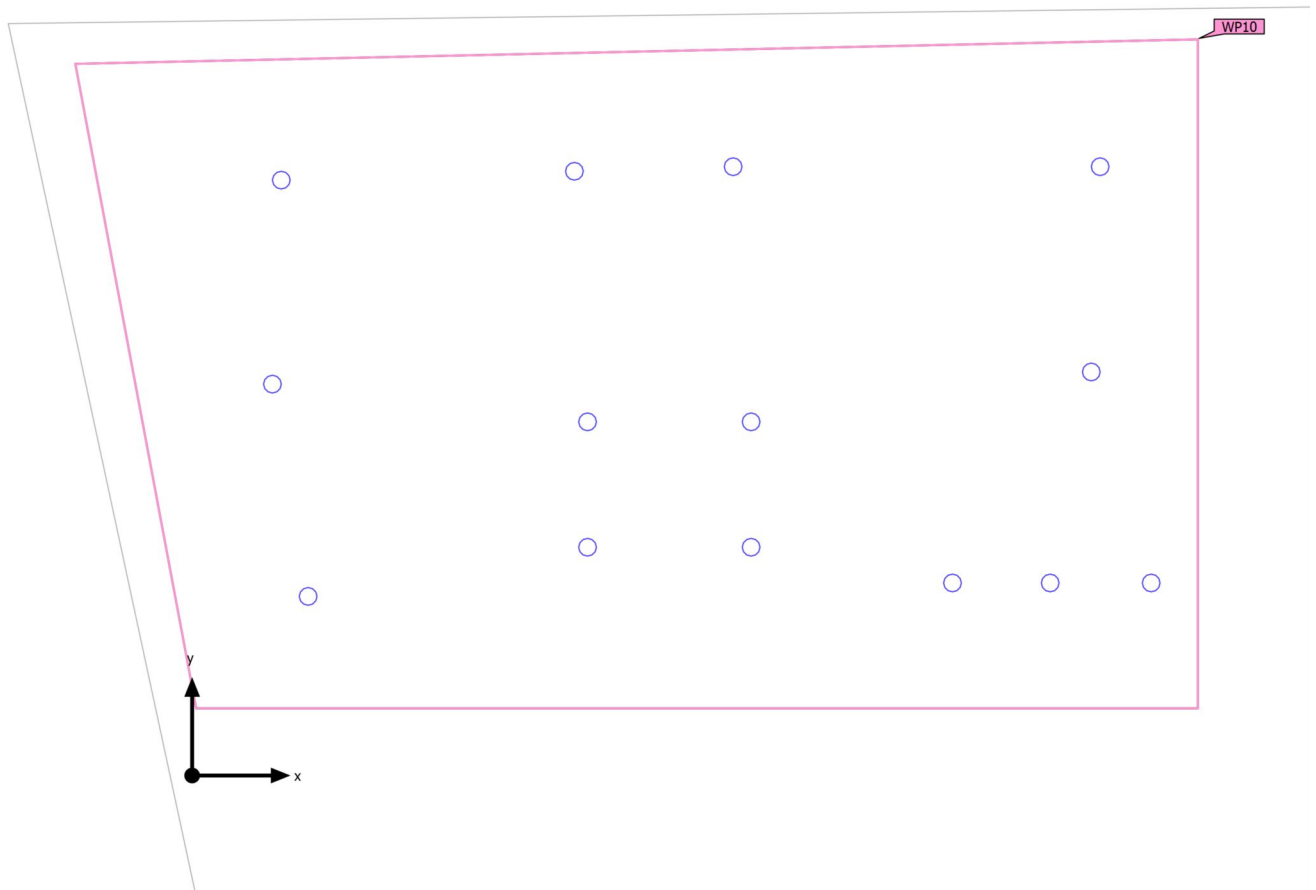
**Lista de luminarias**

|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>16800 lm | $P_{total}$<br>137.2 W | Rendimiento lumínico<br>122.4 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | P     | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|-------|---------|----------------------|
| 14   | Philips    |                | CoreLine Downlight gen5 DN142B 10S PSU-E<br>IP54 1xLED/4000K WR | 9.8 W | 1200 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS P3BLICS (Escena de luz 1)

**Objetos de c3lculo**

Planos 3tiles

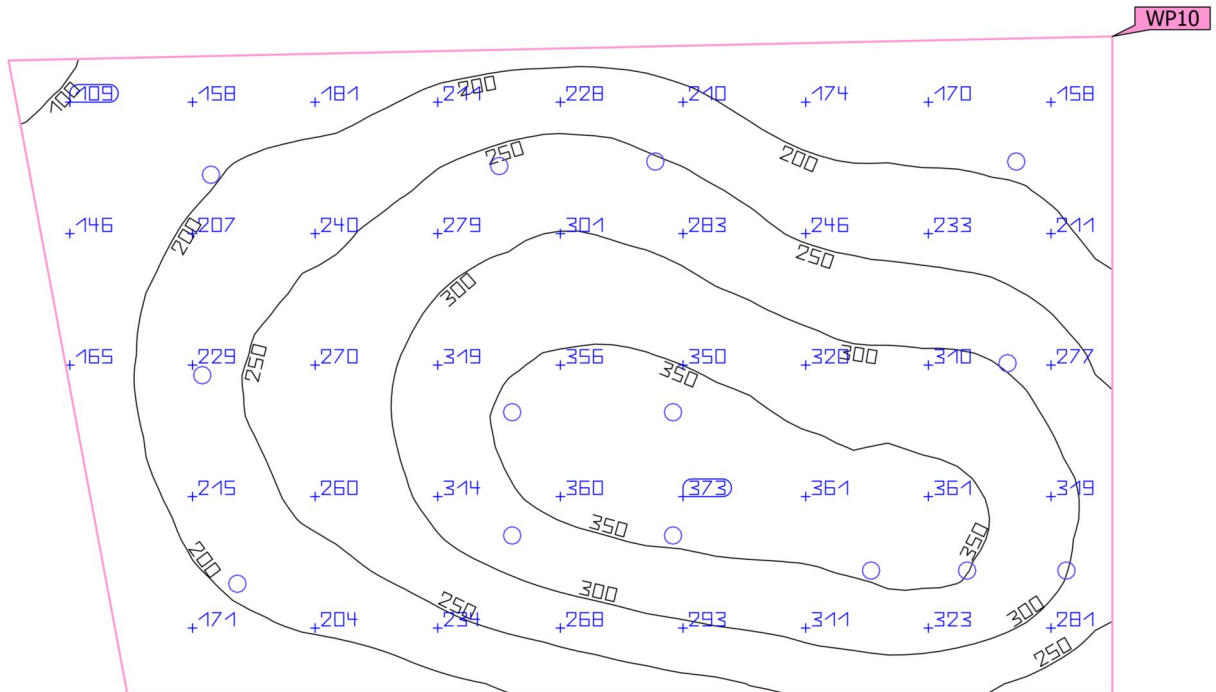
| Propiedades  | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (SERVEIS P3BLICS)   | 257 lx                 | 83.0 lx    | 380 lx     | 0.32                         | 0.22  | WP10   |
| Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · SERVEIS PÚBLICS (Escena de luz 1)

**Plano útil (SERVEIS PÚBLICS)**

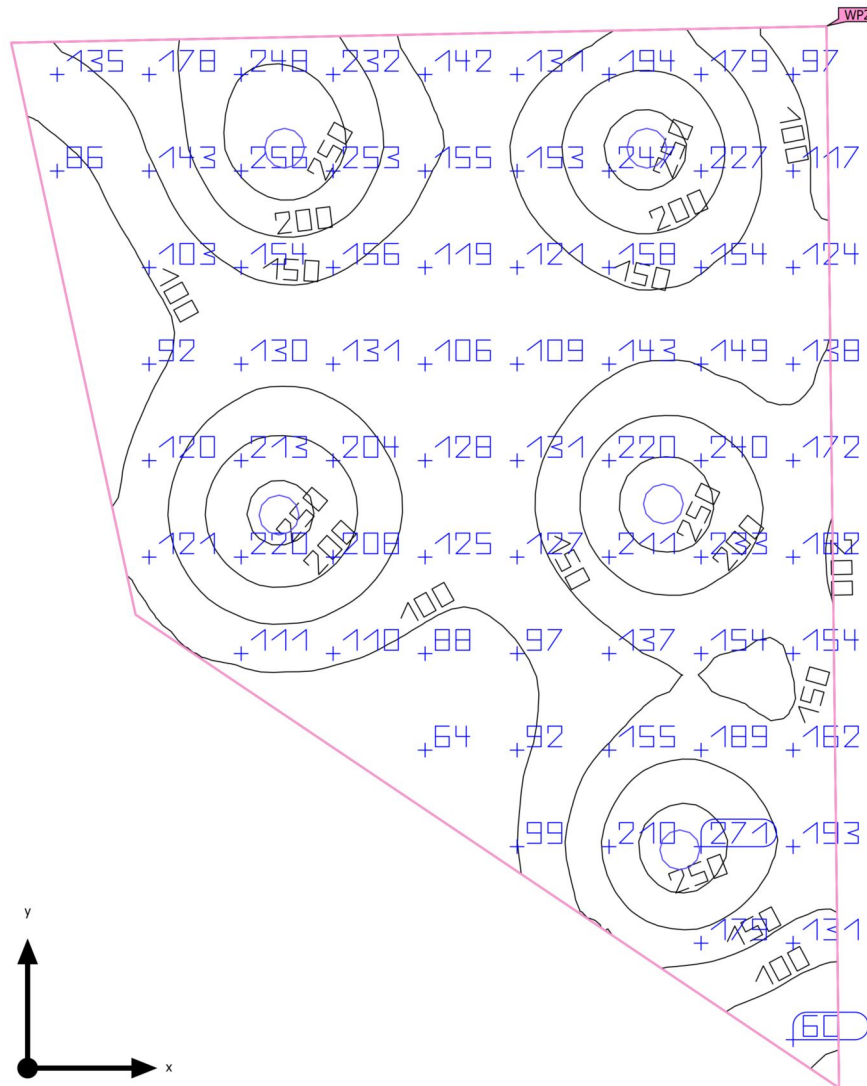


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{máx}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-----------|--------------------------|-------|--------|
| Plano útil (SERVEIS PÚBLICS)                | 257 lx                 | 83.0 lx   | 380 lx    | 0.32                     | 0.22  | WP10   |
| Iluminancia perpendicular (Adaptativamente) | (≥ 500 lx)             |           |           | (≥ 0.60)                 |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |           | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL (Escena de luz 1)

Resumen



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 89.14 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.000 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL (Escena de luz 1)

## Resumen

### Resultados

|                                   | Tamaño                          | Calculado                     | Nominal         | Verificaci3n | Índice |
|-----------------------------------|---------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                        | $E_{\text{perpendicular}}$      | 156 lx                        | $\geq 500$ lx   | ✗            | WP2    |
|                                   | $U_o (g_1)$                     | 0.29                          | $\geq 0.60$     | ✗            | WP2    |
| Valores de consumo <sup>(2)</sup> | Consumo                         | 439 kWh/a                     | máx. 3150 kWh/a | ✓            |        |
| Local                             | Potencia específica de conexi3n | 1.99 W/m <sup>2</sup>         | -               |              |        |
|                                   |                                 | 1.28 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 12.892 m x 9.902 m y SHR de 0.25.

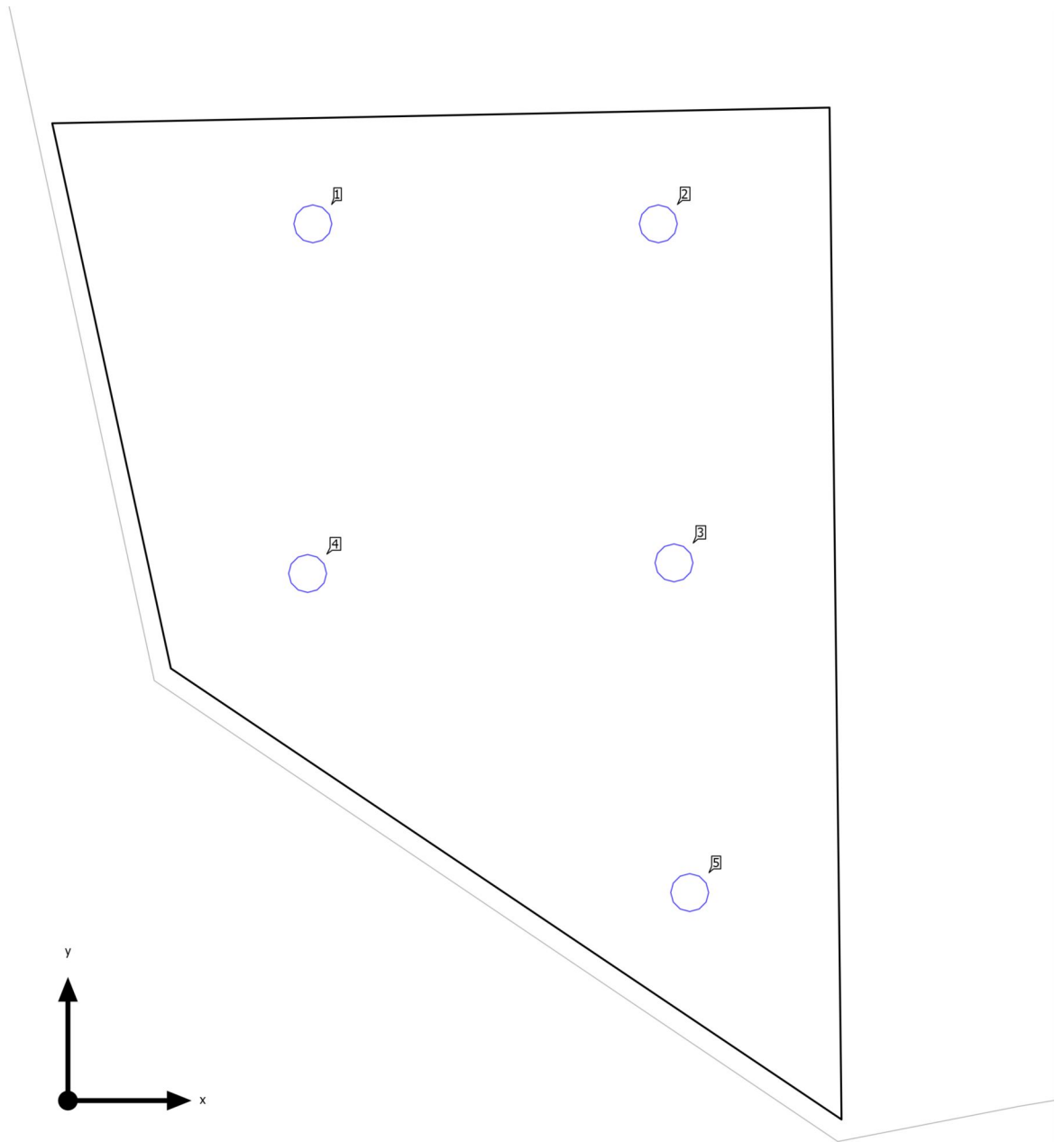
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

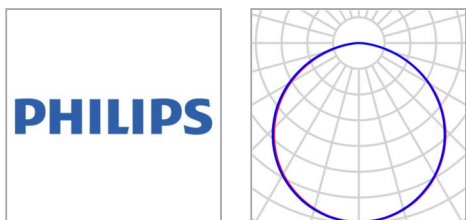
| Uni. | Fabricante | Nº de artículo | Nombre del artículo             | R <sub>UG</sub> | P      | Φ       | Rendimiento lumínico |
|------|------------|----------------|---------------------------------|-----------------|--------|---------|----------------------|
| 5    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP | -               | 35.5 W | 3699 lm | 104.2 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL

**Plano de situaci3n de luminarias**



|                     |                                    |            |         |
|---------------------|------------------------------------|------------|---------|
| Fabricante          | Philips                            | P          | 35.5 W  |
| Nombre del art3culo | TRUE CIRCLE SM<br>1xLED37S/840 PSP | ΦLuminaria | 3699 lm |
| L3mpara             | 1x LED37S/840                      |            |         |

Luminarias individuales

| X       | Y        | Altura de montaje | Luminaria |
|---------|----------|-------------------|-----------|
| 3.119 m | 11.169 m | 3.000 m           | 1         |
| 7.519 m | 11.169 m | 3.000 m           | 2         |
| 7.719 m | 6.850 m  | 3.000 m           | 3         |
| 3.053 m | 6.715 m  | 3.000 m           | 4         |
| 7.919 m | 2.650 m  | 3.000 m           | 5         |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL

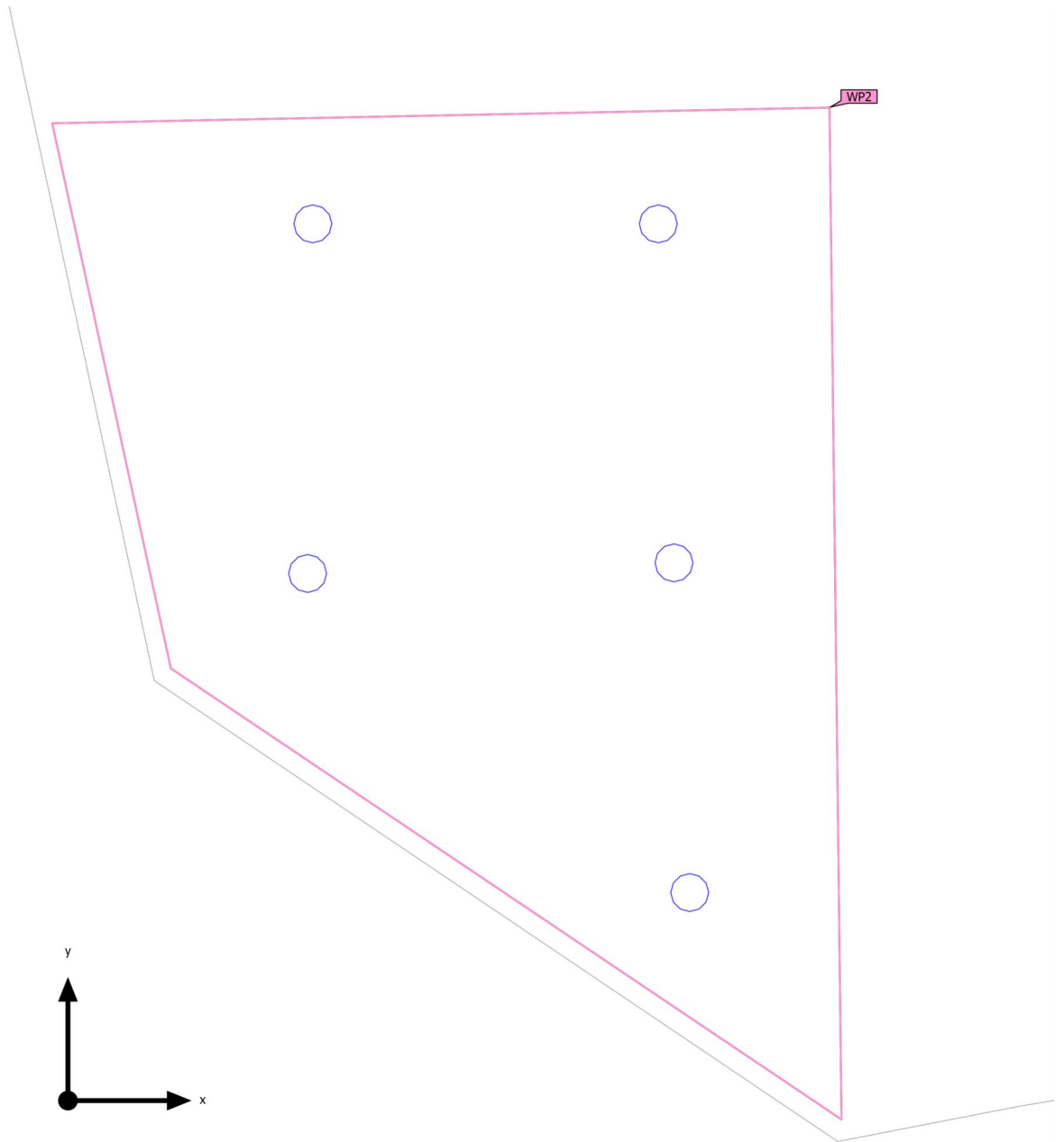
**Lista de luminarias**

|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>18495 lm | $P_{total}$<br>177.5 W | Rendimiento lumínico<br>104.2 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo             | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---------------------------------|--------|---------|----------------------|
| 5    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP | 35.5 W | 3699 lm | 104.2 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL (Escena de luz 1)

**Objetos de c3lculo**



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL (Escena de luz 1)

**Objetos de c3lculo**

Planos 3tiles

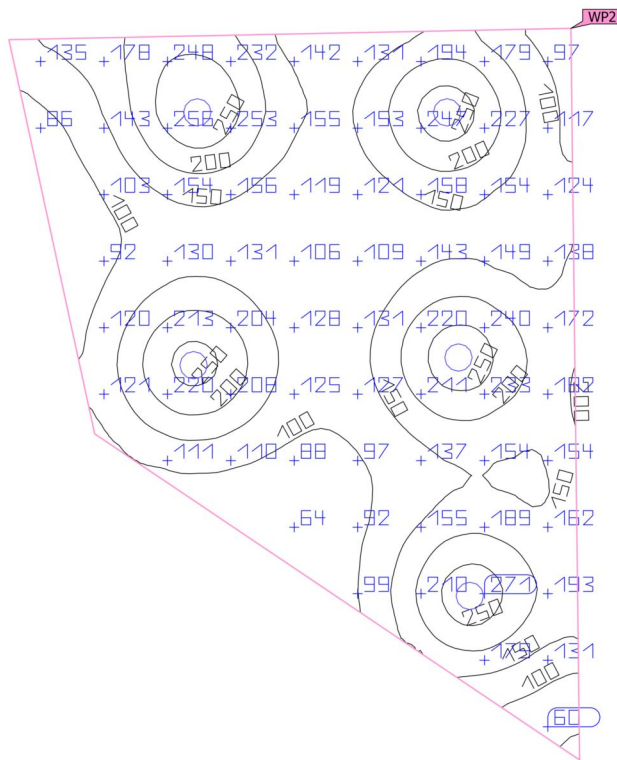
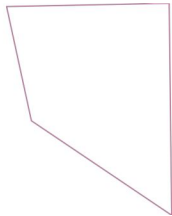
| Propiedades   | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|---|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (VESTIBUL)   | 156 lx                 | 44.9 lx    | 296 lx     | 0.29                         | 0.15  | WP2    |
| Illuminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIBUL (Escena de luz 1)

**Plano 6til (VESTIBUL)**

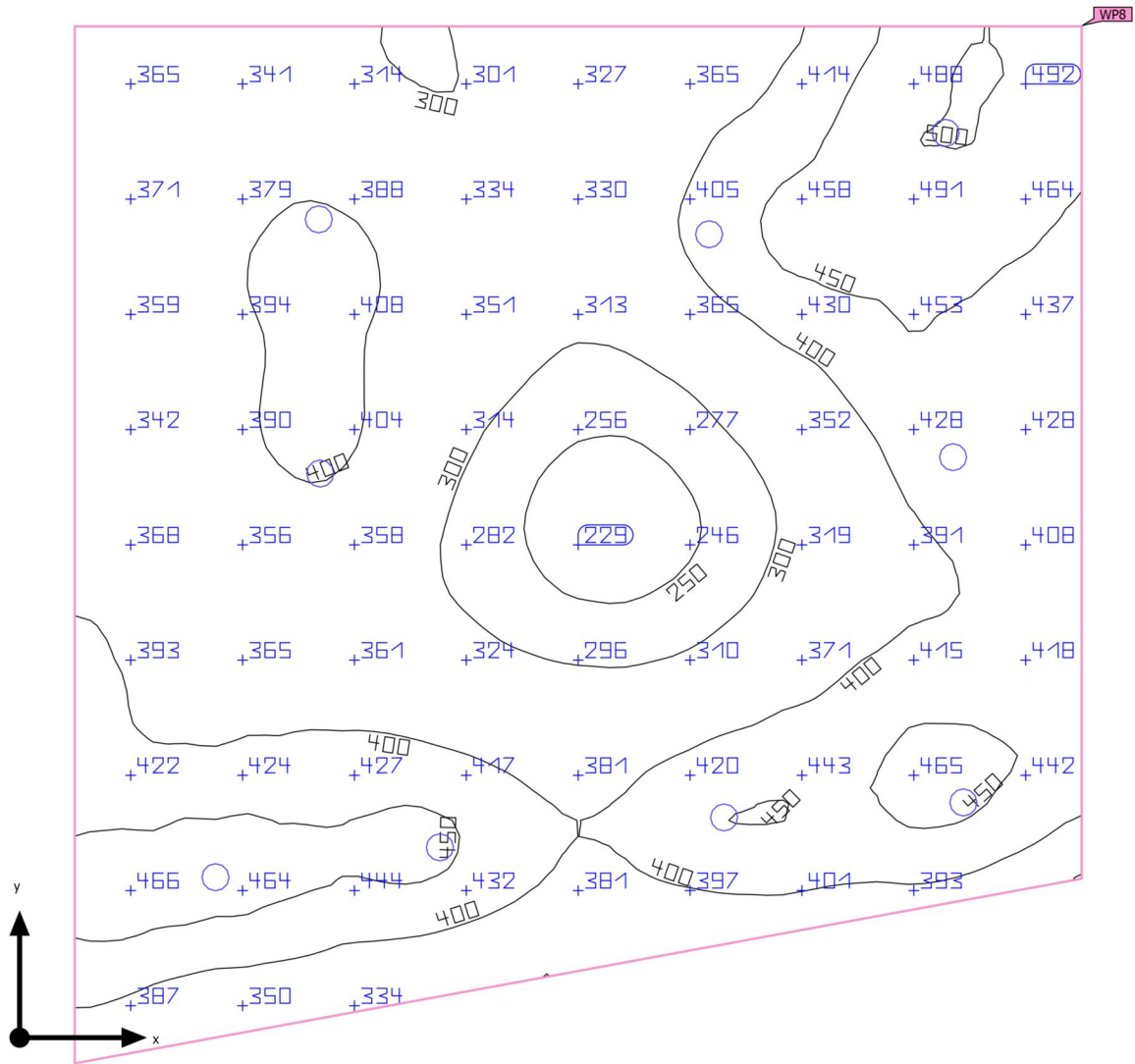


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (VESTIBUL)                       | 156 lx                 | 44.9 lx   | 296 lx            | 0.29                     | 0.15  | WP2    |
| Iluminancia perpendicular (Adaptativamente) | ( $\geq 500$ lx)       |           |                   | ( $\geq 0.60$ )          |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3 (Escena de luz 1)

Resumen



|                       |   |
|-----------------------|---|
| Base                  | 42.53 m <sup>2</sup>                                |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % |
| Factor de degradaci3n | 0.80 (Global)                                       |

|                           |          |
|---------------------------|----------|
| Altura interior del local | 12.000 m |
| Altura de montaje         | 3.000 m  |
| Altura Plano 3til         | 0.800 m  |
| Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3 (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 381 lx                        | $\geq 500$ lx   | ✗            | WP8    |
|   | $U_o (g_1)$                      | 0.59                          | $\geq 0.60$     | ✗            | WP8    |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 23                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 428 kWh/a                     | máx. 1500 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 4.06 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.07 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 6.935 m x 6.731 m y SHR de 0.25.

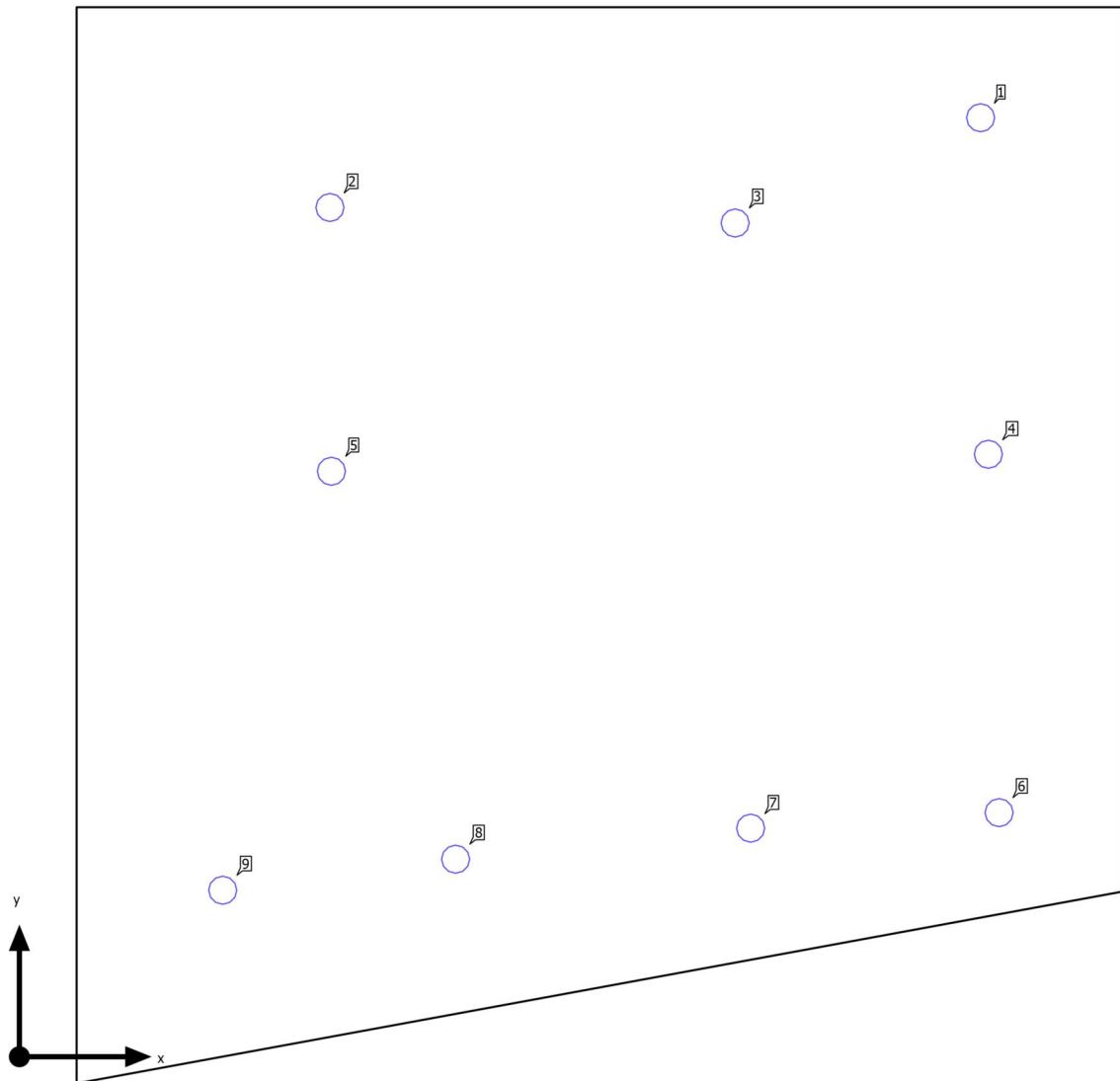
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

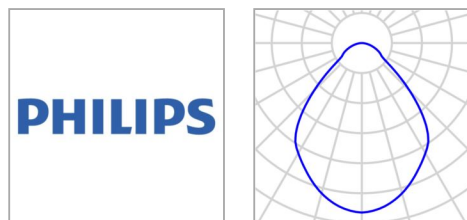
| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|----------|--------|---------|----------------------|
| 9    | Philips    |                | CoreLine Downlight gen5 DN142B<br>20S PSU-E IP54 1xLED/4000K WR | 23       | 19.2 W | 2349 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3

### Plano de situaci3n de luminarias



|                     |   |                        |         |
|---------------------|---|------------------------|---------|
| Fabricante          | Philips   | P                      | 19.2 W  |
| Nombre del art3culo | CoreLine Downlight<br>gen5 DN142B 20S<br>PSU-E IP54<br>1xLED/4000K WR | Φ <sub>Luminaria</sub> | 2349 lm |
| L3mpara             | 1x LED/4000K  |                        |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 6.190 m | 6.051 m | 3.000 m           | 1         |
| 2.000 m | 5.473 m | 3.000 m           | 2         |
| 4.609 m | 5.373 m | 3.000 m           | 3         |
| 6.240 m | 3.883 m | 3.000 m           | 4         |
| 2.009 m | 3.773 m | 3.000 m           | 5         |
| 6.310 m | 1.573 m | 3.000 m           | 6         |
| 4.709 m | 1.473 m | 3.000 m           | 7         |
| 2.809 m | 1.273 m | 3.000 m           | 8         |
| 1.310 m | 1.073 m | 3.000 m           | 9         |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3

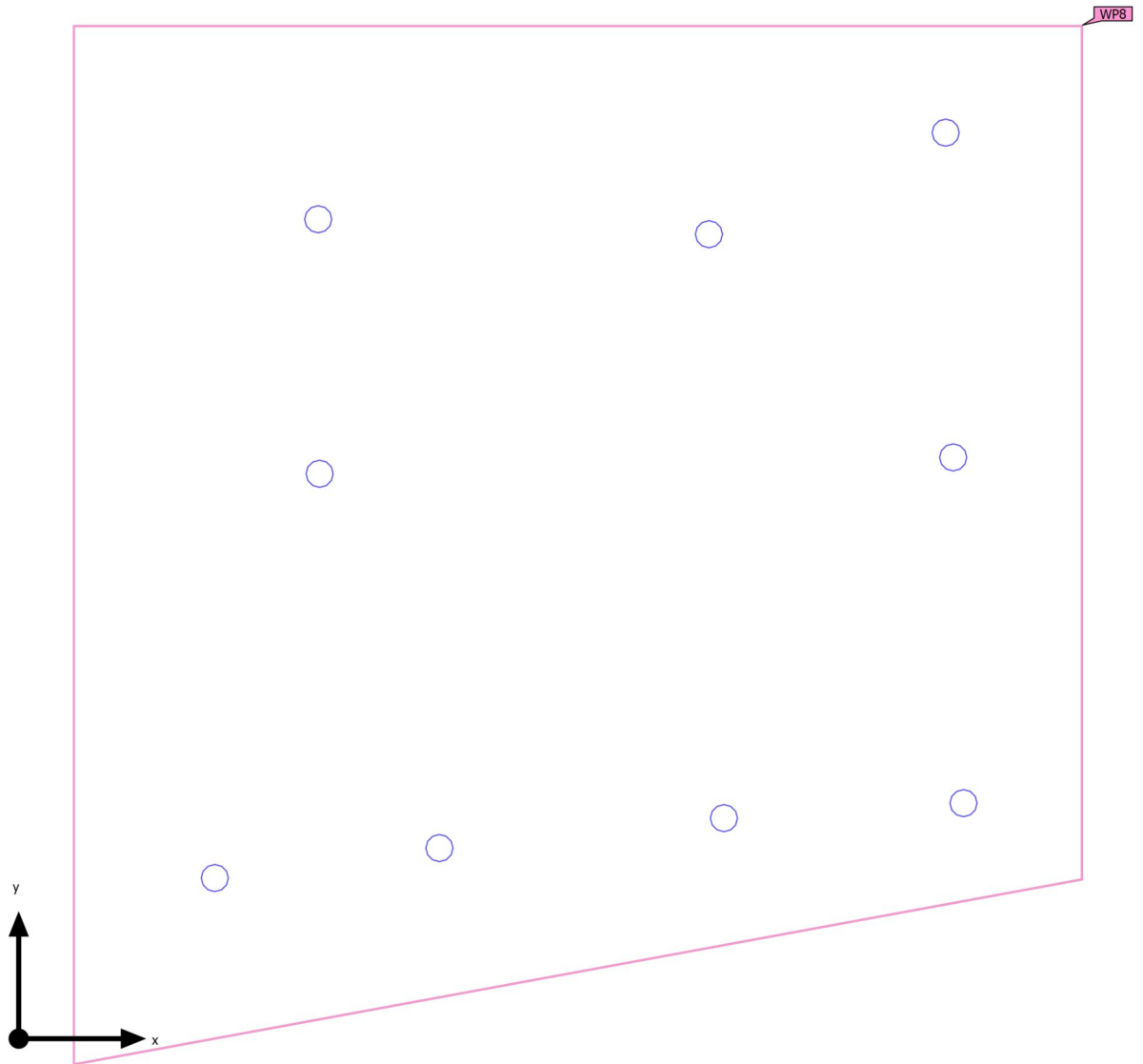
**Lista de luminarias**

|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>21141 lm | $P_{total}$<br>172.8 W | Rendimiento lumínico<br>122.3 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|--------|---------|----------------------|
| 9    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W | 2349 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3 (Escena de luz 1)

**Objetos de c3lculo**



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3 (Escena de luz 1)

**Objetos de c3lculo**

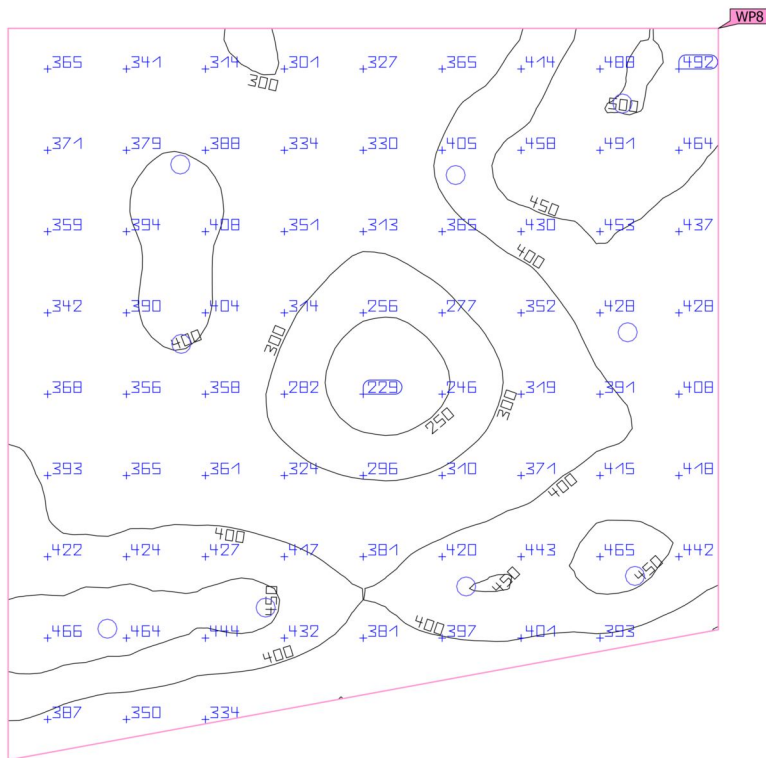
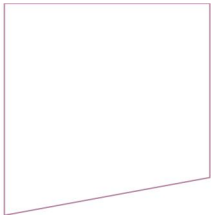
Planos 3tiles

| Propiedades   | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|---|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (VESTIDOR 3)   | 381 lx                 | 224 lx     | 502 lx     | 0.59                         | 0.45  | WP8    |
| Illuminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR 3 (Escena de luz 1)  
**Plano 3til (VESTIDOR 3)**

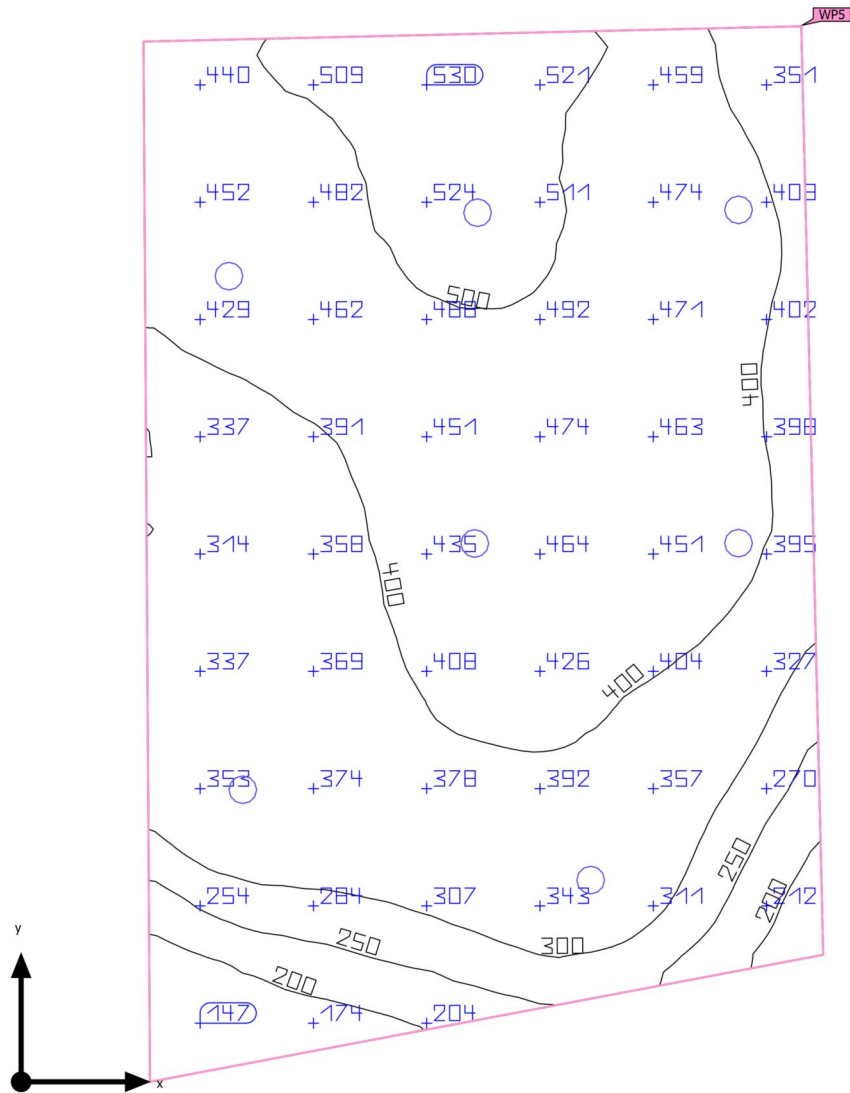


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m3x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | 3ndice |
|---|------------------------|-----------|-----------|--------------------------|-------|--------|
| Plano 3til (VESTIDOR 3)                     | 381 lx                 | 224 lx    | 502 lx    | 0.59                     | 0.45  | WP8    |
| Iluminancia perpendicular (Adaptativamente) | ( $\geq 500$ lx)       |           |           | ( $\geq 0.60$ )          |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |           | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES (Escena de luz 1)

**Resumen**



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 28.04 m <sup>2</sup>                                | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.000 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificaci3n | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 393 lx                        | $\geq 500$ lx   | ✗            | Wp5    |
|   | $U_o (g_1)$                      | 0.27                          | $\geq 0.60$     | ✗            | Wp5    |
| Evaluaci3n del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 23                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 333 kWh/a                     | máx. 1000 kWh/a | ✓            |        |
| Local   | Potencia específica de conexi3n  | 4.79 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.22 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 6.799 m x 4.419 m y SHR de 0.25.

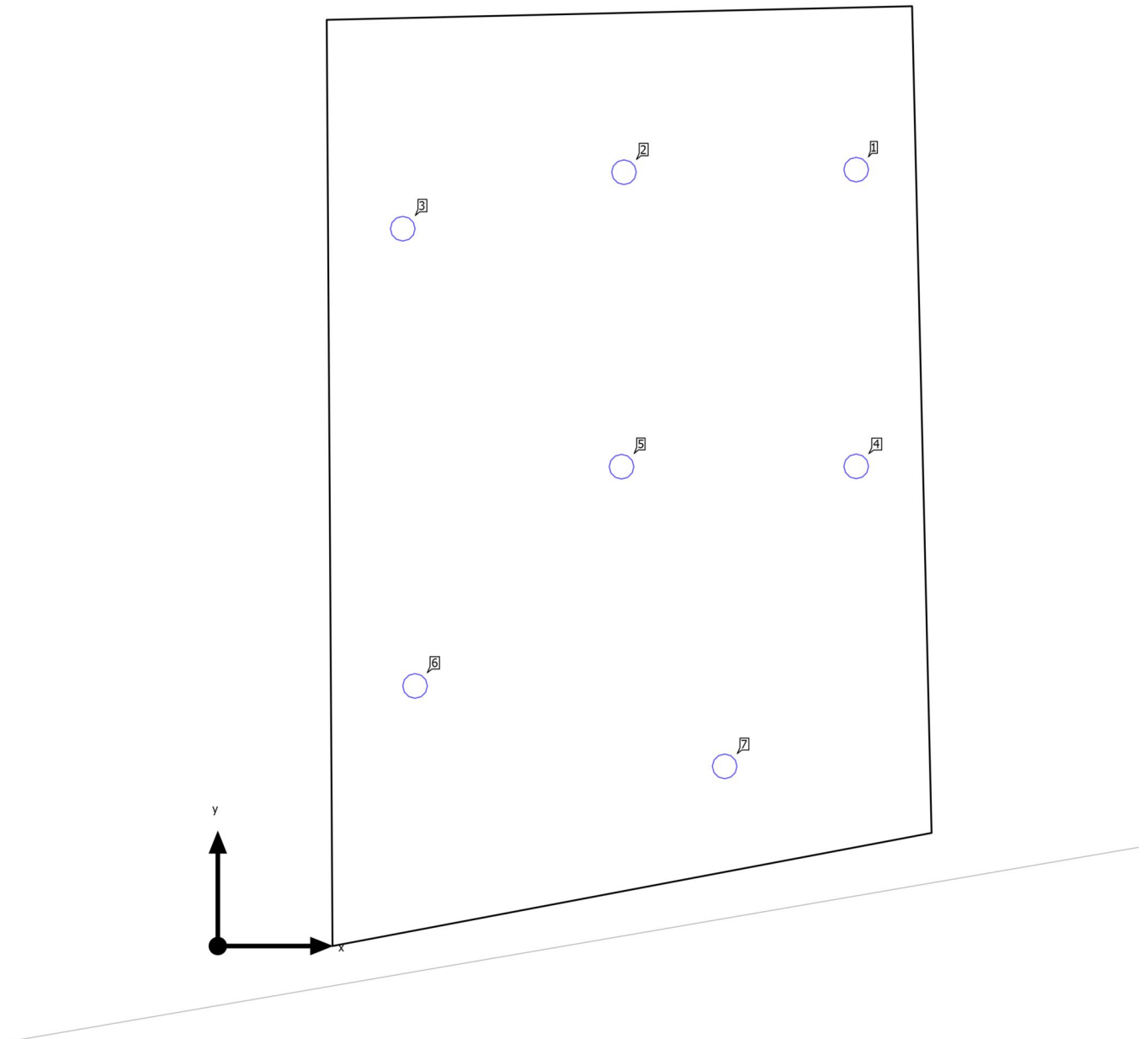
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

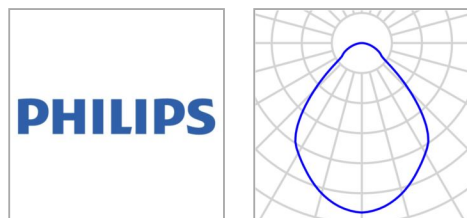
| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|----------|--------|---------|----------------------|
| 7    | Philips    |                | CoreLine Downlight gen5 DN142B<br>20S PSU-E IP54 1xLED/4000K WR | 23       | 19.2 W | 2349 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES

### Plano de situaci3n de luminarias



|                     |   |                        |         |
|---------------------|---|------------------------|---------|
| Fabricante          | Philips   | P                      | 19.2 W  |
| Nombre del art3culo | CoreLine Downlight<br>gen5 DN142B 20S<br>PSU-E IP54<br>1xLED/4000K WR | Φ <sub>Luminaria</sub> | 2349 lm |
| L3mpara             | 1x LED/4000K  |                        |         |

#### Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 4.689 m | 5.700 m | 3.000 m           | 1         |
| 2.984 m | 5.681 m | 3.000 m           | 2         |
| 1.358 m | 5.267 m | 3.000 m           | 3         |
| 4.689 m | 3.522 m | 3.000 m           | 4         |
| 2.966 m | 3.519 m | 3.000 m           | 5         |
| 1.449 m | 1.910 m | 3.000 m           | 6         |
| 3.723 m | 1.319 m | 3.000 m           | 7         |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES

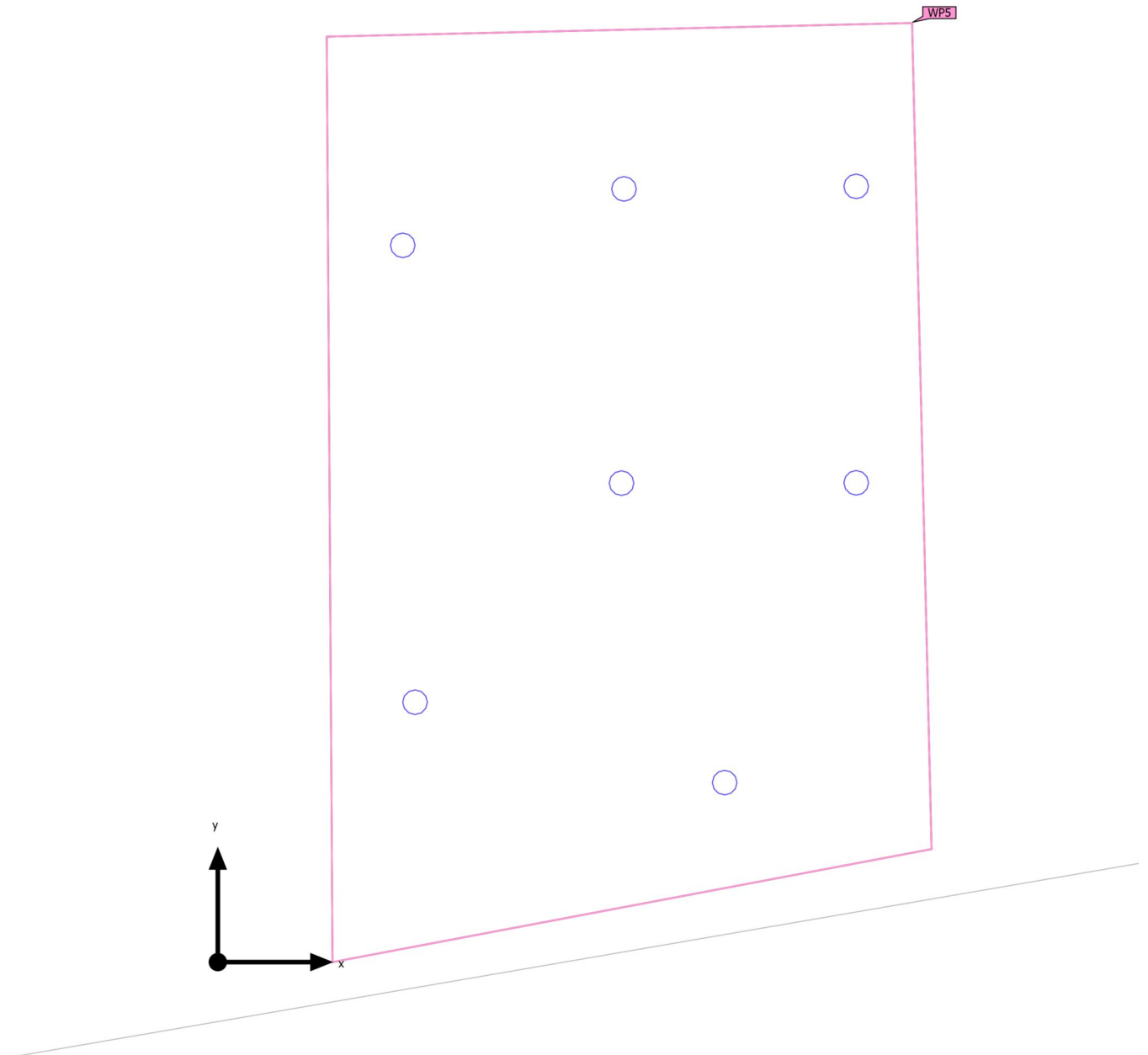
**Lista de luminarias**

|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>16443 lm | $P_{total}$<br>134.4 W | Rendimiento lumínico<br>122.3 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | Nº de artículo | Nombre del artículo   | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|---|--------|---------|----------------------|
| 7    | Philips    |                | CoreLine Downlight gen5 DN142B 20S PSU-E<br>IP54 1xLED/4000K WR | 19.2 W | 2349 lm | 122.4 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES (Escena de luz 1)

### Objetos de c3lculo



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES (Escena de luz 1)

**Objetos de c3lculo**

Planos 3tiles

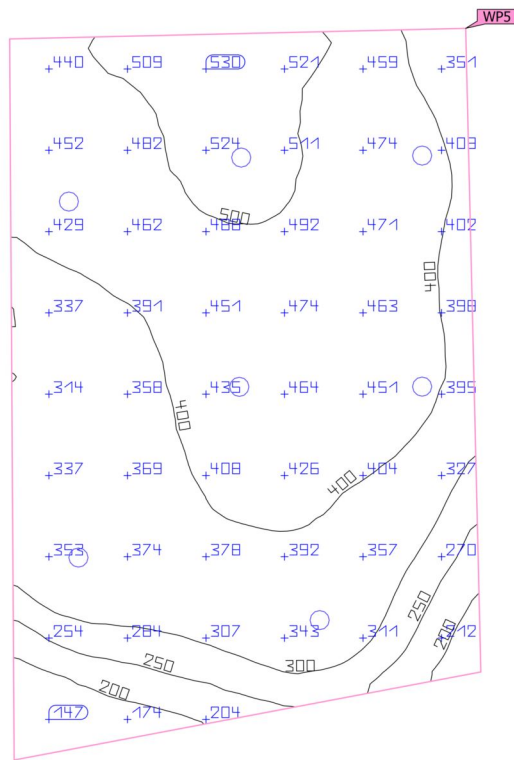
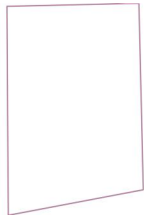
| Propiedades  | $\bar{E}$<br>(Nominal)          | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|---------------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (VESTIDOR ARBITRES)<br>Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | 393 lx<br>( $\geq 500$ lx)<br>✗ | 107 lx     | 537 lx     | 0.27<br>( $\geq 0.60$ )<br>✗ | 0.20  | WP5    |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))



Edificaci3n 1 · POLIESPORTIU TOTAL · VESTIDOR ARBITRES (Escena de luz 1)

**Plano 6til (VESTIDOR ARBITRES)**

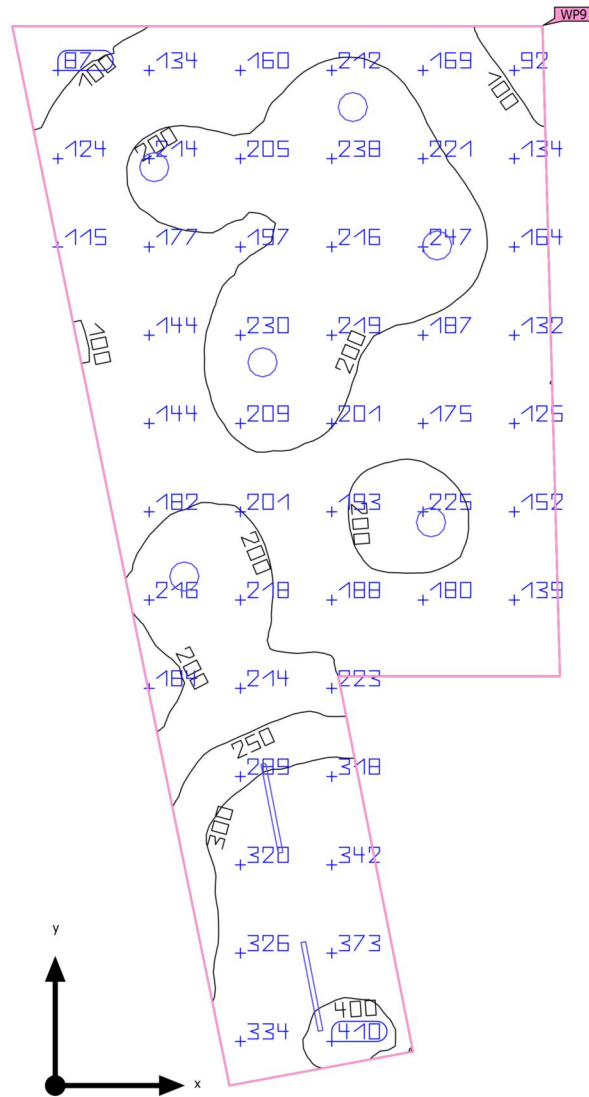


| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (VESTIDOR ARBITRES)              | 393 lx                 | 107 lx    | 537 lx            | 0.27                     | 0.20  | WP5    |
| Iluminancia perpendicular (Adaptativamente) | ( $\geq 500$ lx)       |           |                   | ( $\geq 0.60$ )          |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR (Escena de luz 1)

**Resumen**



|                       |   |                           |          |
|-----------------------|---|---------------------------|----------|
| Base                  | 105.49 m <sup>2</sup>                               | Altura interior del local | 12.000 m |
| Grado de reflexi3n    | Techo: 70.0 %,<br>Paredes: 50.0 %,<br>Suelo: 20.0 % | Altura de montaje         | 3.500 m  |
| Factor de degradaci3n | 0.80 (Global)                                       | Altura Plano 3til         | 0.800 m  |
|                       |   | Zona marginal Plano 3til  | 0.000 m  |

Edificació 1 · POLIESPORTIU TOTAL · ZONA BAR (Escena de luz 1)

## Resumen

### Resultados

|   | Tamaño                           | Calculado                     | Nominal         | Verificación | Índice |
|---|----------------------------------|-------------------------------|-----------------|--------------|--------|
| Plano útil                                    | $\bar{E}_{\text{perpendicular}}$ | 206 lx                        | $\geq 500$ lx   | ✗            | WP9    |
|   | $U_o (g_1)$                      | 0.29                          | $\geq 0.60$     | ✗            | WP9    |
| Evaluación del deslumbramiento <sup>(1)</sup> | $R_{UG, \text{max}}$             | 24                            | $\leq 19$       | ✗            |        |
| Valores de consumo <sup>(2)</sup>             | Consumo                          | 750 kWh/a                     | máx. 3700 kWh/a | ✓            |        |
| Local   | Potencia específica de conexión  | 2.87 W/m <sup>2</sup>         | -               |              |        |
|   |                                  | 1.39 W/m <sup>2</sup> /100 lx | -               |              |        |

(1) Basado en un espacio rectangular de 18.007 m x 8.641 m y SHR de 0.25.

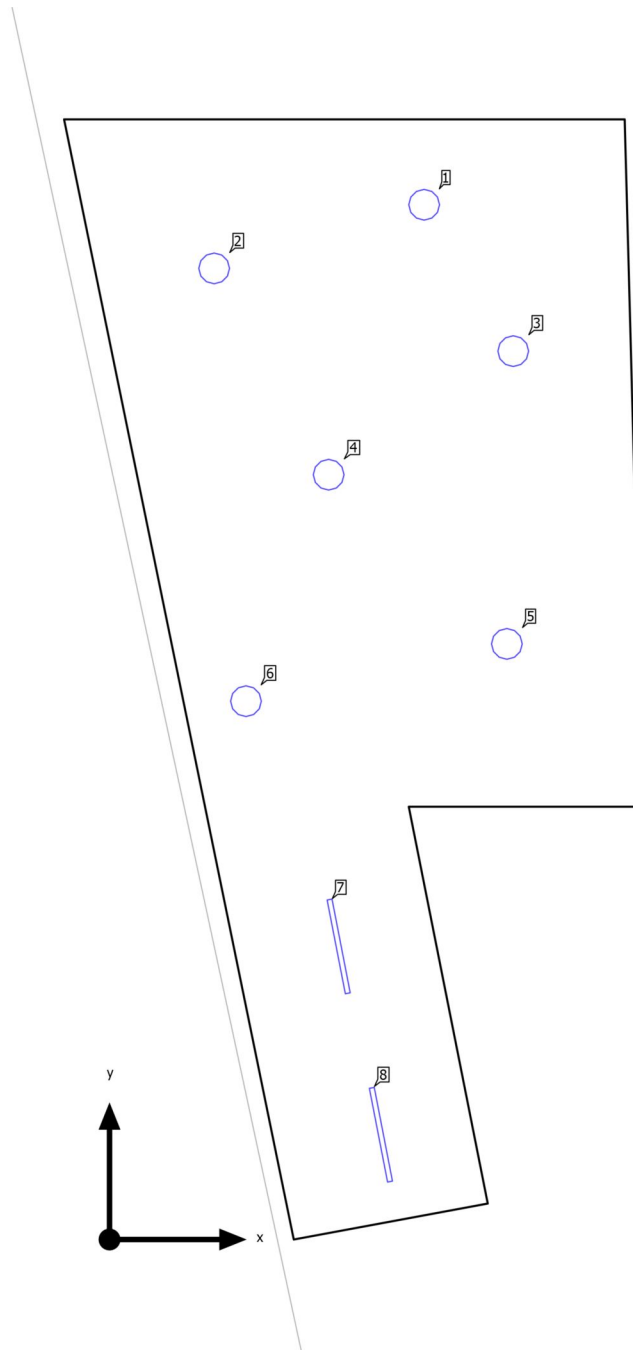
(2) Calculado mediante la eval. ener.

Perfil de uso: Configuración DIALux predeterminada (34.2 Estándar (oficina))

### Lista de luminarias

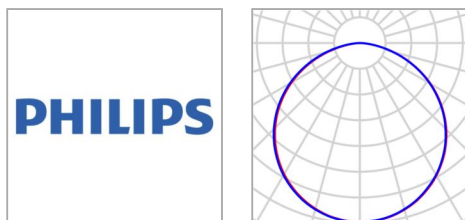
| Uni. | Fabricante | Nº de artículo | Nombre del artículo               | $R_{UG}$ | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-----------------------------------|----------|--------|---------|----------------------|
| 6    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP   | -        | 35.5 W | 3699 lm | 104.2 lm/W           |
| 2    | Philips    |                | WT120C G2 PSU L1500 1 xLED60S/840 | 24       | 45.0 W | 6000 lm | 133.3 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR  
**Plano de situaci3n de luminarias**



Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR

### Plano de situaci3n de luminarias



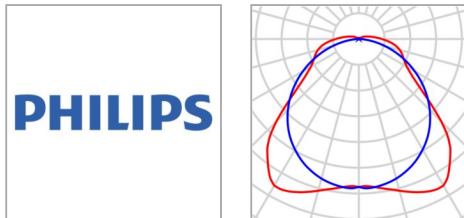
|                     |                                    |            |         |
|---------------------|------------------------------------|------------|---------|
| Fabricante          | Philips                            | P          | 35.5 W  |
| Nombre del art3culo | TRUE CIRCLE SM<br>1xLED37S/840 PSP | ΦLuminaria | 3699 lm |
| L3mpara             | 1x LED37S/840                      |            |         |

#### Luminarias individuales

| X       | Y        | Altura de montaje | Luminaria |
|---------|----------|-------------------|-----------|
| 4.944 m | 16.258 m | 3.500 m           | 1         |
| 1.644 m | 15.258 m | 3.500 m           | 2         |
| 6.344 m | 13.958 m | 3.500 m           | 3         |
| 3.444 m | 12.017 m | 3.500 m           | 4         |
| 6.244 m | 9.358 m  | 3.500 m           | 5         |
| 2.144 m | 8.458 m  | 3.500 m           | 6         |

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR

**Plano de situaci3n de luminarias**



|                     |   |                        |         |
|---------------------|---|------------------------|---------|
| Fabricante          | Philips                                 | P                      | 45.0 W  |
| Nombre del art3culo | WT120C G2 PSU<br>L1500 1<br>xLED60S/840 | Φ <sub>Luminaria</sub> | 6000 lm |
| L3mpara             | 1x LED60S/840                           |                        |         |

Luminarias individuales

| X       | Y       | Altura de montaje | Luminaria |
|---------|---------|-------------------|-----------|
| 3.601 m | 4.605 m | 3.500 m           | 7         |
| 4.265 m | 1.646 m | 3.500 m           | 8         |

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR

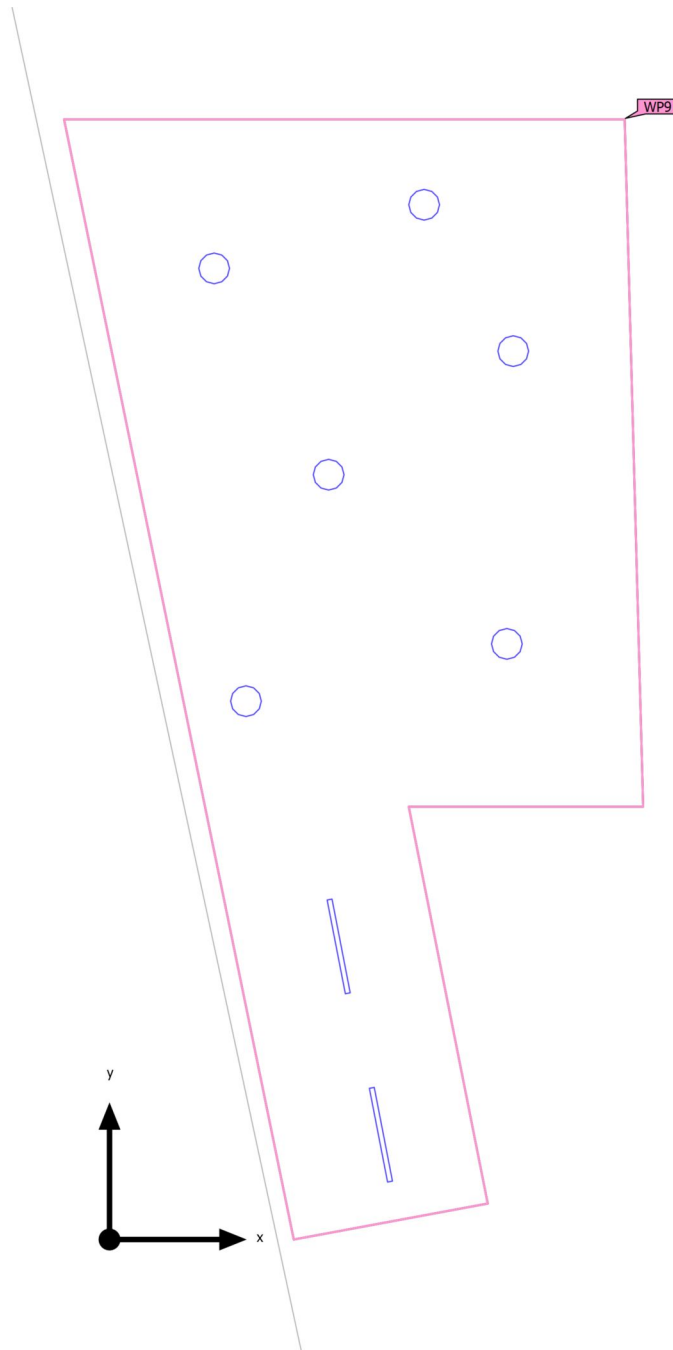
**Lista de luminarias**

|                            |                        |                                    |
|----------------------------|------------------------|------------------------------------|
| $\Phi_{total}$<br>34194 lm | $P_{total}$<br>303.0 W | Rendimiento lumínico<br>112.9 lm/W |
|----------------------------|------------------------|------------------------------------|

| Uni. | Fabricante | N° de artículo | Nombre del artículo               | P      | $\Phi$  | Rendimiento lumínico |
|------|------------|----------------|-----------------------------------|--------|---------|----------------------|
| 6    | Philips    |                | TRUE CIRCLE SM 1xLED37S/840 PSP   | 35.5 W | 3699 lm | 104.2 lm/W           |
| 2    | Philips    |                | WT120C G2 PSU L1500 1 xLED60S/840 | 45.0 W | 6000 lm | 133.3 lm/W           |

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR (Escena de luz 1)

**Objetos de c3lculo**





Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR (Escena de luz 1)

**Objetos de c3lculo**

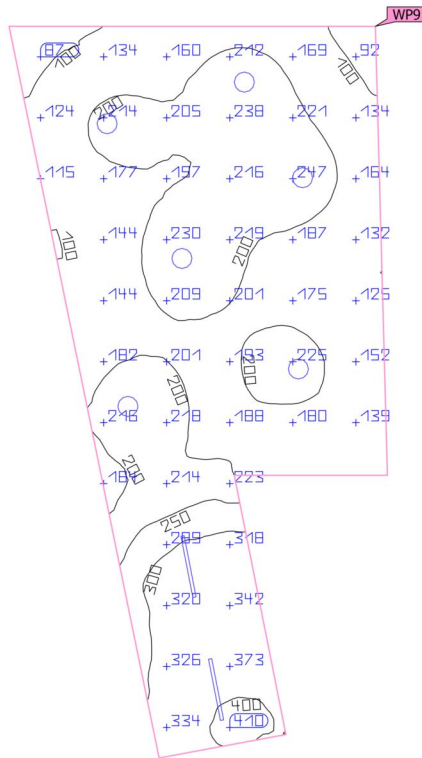
Planos 3tiles

| Propiedades  | $\bar{E}$<br>(Nominal) | $E_{\min}$ | $E_{\max}$ | $U_0$ ( $g_1$ )<br>(Nominal) | $g_2$ | 3ndice |
|--|------------------------|------------|------------|------------------------------|-------|--------|
| Plano 3til (ZONA BAR)  | 206 lx                 | 58.8 lx    | 411 lx     | 0.29                         | 0.14  | WP9    |
| Iluminancia perpendicular (Adaptativamente)<br>Altura: 0.800 m, Zona marginal: 0.000 m | ( $\geq 500$ lx)<br>X  |            |            | ( $\geq 0.60$ )<br>X         |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est3ndar (oficina))

Edificaci3n 1 · POLIESPORTIU TOTAL · ZONA BAR (Escena de luz 1)

**Plano 6til (ZONA BAR)**



| Propiedades                                 | $\bar{E}$<br>(Nominal) | $E_{min}$ | $E_{m\acute{a}x}$ | $U_o (g_1)$<br>(Nominal) | $g_2$ | Índice |
|---|------------------------|-----------|-------------------|--------------------------|-------|--------|
| Plano 6til (ZONA BAR)                       | 206 lx                 | 58.8 lx   | 411 lx            | 0.29                     | 0.14  | WP9    |
| Iluminancia perpendicular (Adaptativamente) | $\geq 500$ lx          |           |                   | $\geq 0.60$              |       |        |
| Altura: 0.800 m, Zona marginal: 0.000 m     | ✗                      |           |                   | ✗                        |       |        |

Perfil de uso: Configuraci3n DIALux predeterminada (34.2 Est\andar (oficina))