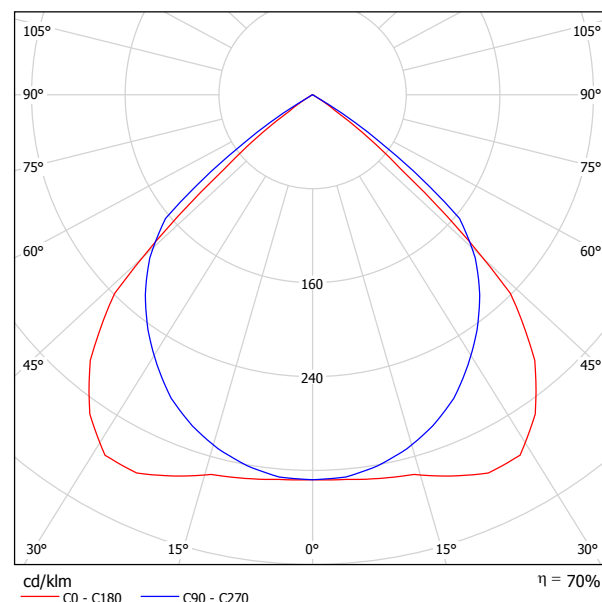


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Philips Indolight TBS330 4xTL-D18W/830 CON C6 / Hoja de datos de luminarias

Emisión de luz 1:

Dispone de una imagen de la luminaria en nuestro catálogo de luminarias.



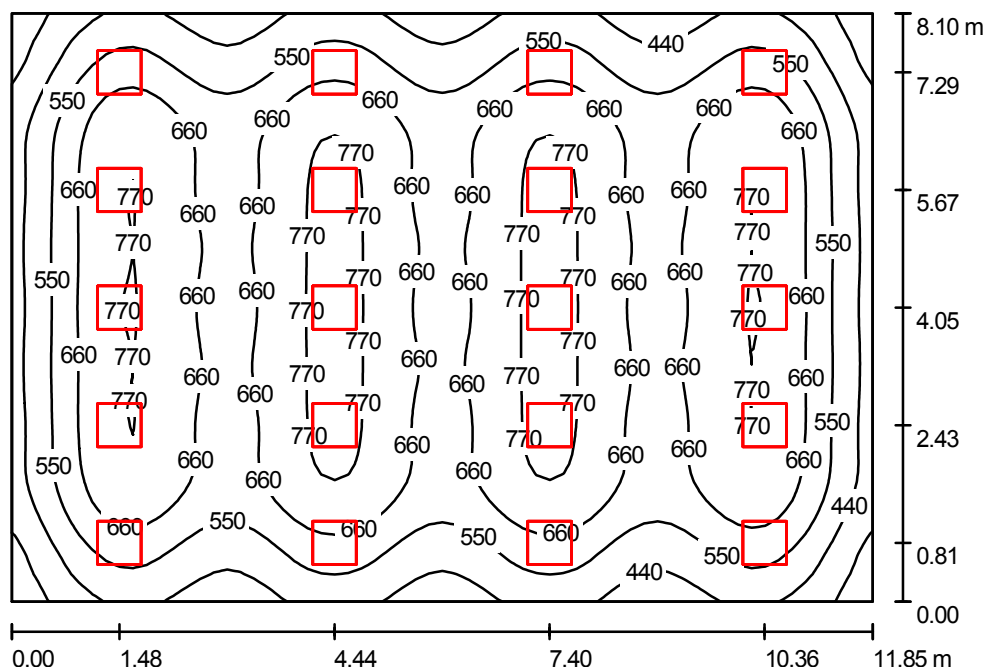
Clasificación luminarias según CIE: 100
 Código CIE Flux: 69 100 100 100 70

Emisión de luz 1:

| Valoración de deslumbramiento según UGR | | | | | | | | | | |
|---|--|------|------|------|------|---|------|------|------|------|
| ρ Techo | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| ρ Paredes | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| ρ 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 | 15.4 | 16.4 | 15.7 | 16.6 | 15.9 | 16.9 | 16.2 | 17.1 | 17.3 |
| | 3H | 15.2 | 16.1 | 15.5 | 16.4 | 15.8 | 16.7 | 16.1 | 16.9 | 17.1 |
| | 4H | 15.2 | 16.0 | 15.5 | 16.3 | 15.7 | 16.5 | 16.0 | 16.8 | 17.0 |
| | 6H | 15.1 | 15.8 | 15.4 | 16.1 | 15.6 | 16.4 | 16.0 | 16.7 | 17.0 |
| | 8H | 15.1 | 15.8 | 15.4 | 16.1 | 15.6 | 16.3 | 15.9 | 16.6 | 16.9 |
| | 12H | 15.0 | 15.7 | 15.4 | 16.0 | 15.6 | 16.2 | 15.9 | 16.5 | 16.9 |
| 4H | 2H | 15.3 | 16.1 | 15.6 | 16.4 | 15.8 | 16.6 | 16.1 | 16.8 | 17.1 |
| | 3H | 15.2 | 15.8 | 15.5 | 16.1 | 15.6 | 16.3 | 16.0 | 16.6 | 16.9 |
| | 4H | 15.1 | 15.7 | 15.5 | 16.0 | 15.6 | 16.1 | 15.9 | 16.5 | 16.8 |
| | 6H | 15.0 | 15.5 | 15.4 | 15.9 | 15.5 | 16.0 | 15.9 | 16.3 | 16.7 |
| | 8H | 15.0 | 15.4 | 15.4 | 15.8 | 15.4 | 15.9 | 15.9 | 16.3 | 16.7 |
| | 12H | 14.9 | 15.3 | 15.4 | 15.7 | 15.4 | 15.8 | 15.8 | 16.2 | 16.6 |
| 8H | 4H | 15.0 | 15.4 | 15.4 | 15.8 | 15.4 | 15.9 | 15.9 | 16.3 | 16.7 |
| | 6H | 14.9 | 15.3 | 15.3 | 15.7 | 15.4 | 15.7 | 15.8 | 16.1 | 16.6 |
| | 8H | 14.8 | 15.2 | 15.3 | 15.6 | 15.3 | 15.6 | 15.8 | 16.1 | 16.5 |
| | 12H | 14.8 | 15.1 | 15.3 | 15.5 | 15.3 | 15.5 | 15.7 | 16.0 | 16.5 |
| 12H | 4H | 14.9 | 15.3 | 15.4 | 15.7 | 15.4 | 15.8 | 15.8 | 16.2 | 16.6 |
| | 6H | 14.8 | 15.2 | 15.3 | 15.6 | 15.3 | 15.6 | 15.8 | 16.1 | 16.5 |
| | 8H | 14.8 | 15.1 | 15.3 | 15.5 | 15.3 | 15.5 | 15.7 | 16.0 | 16.5 |
| Variación de la posición del espectador para separaciones S entre luminarias | | | | | | | | | | |
| S = 1.0H | +2.2 / -7.4 | | | | | +1.6 / -2.7 | | | | |
| S = 1.5H | +3.7 / -21.0 | | | | | +2.9 / -25.3 | | | | |
| S = 2.0H | +5.6 / -26.4 | | | | | +4.8 / -29.0 | | | | |
| Tabla estándar | BK00 | | | | | BK00 | | | | |
| Sumando de corrección | -4.4 | | | | | -3.9 | | | | |
| Índice de deslumbramiento corregido en relación a 5400lm Flujo luminoso total | | | | | | | | | | |

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INSTITUTO / Resumen



Altura del local: 2.900 m, Altura de montaje: 2.885 m, Factor mantenimiento: 0.80

Valores en Lux, Escala 1:104

| Superficie | ρ [%] | E_m [lx] | E_{min} [lx] | E_{max} [lx] | E_{min} / E_m |
|-------------|------------|------------|----------------|----------------|-----------------|
| Plano útil | / | 627 | 256 | 797 | 0.41 |
| Suelo | 20 | 580 | 288 | 744 | 0.50 |
| Techo | 70 | 113 | 83 | 128 | 0.73 |
| Paredes (4) | 50 | 216 | 72 | 579 | / |

Plano útil:

Altura: 0.850 m
Trama: 64 x 64 Puntos
Zona marginal: 0.000 m

UGR

Pared izq 15
Pared inferior 15
(CIE, SHR = 0.25.)

Longi-

15
15

Tran

15
15

al eje de luminaria

Lista de piezas - Luminarias

| Nº | Pieza | Designación (Factor de corrección) | Φ [lm] | P [W] |
|--------|-------|---|-------------|--------|
| 1 | 20 | Philips Indolight TBS330 4xTL-D18W/830 CON C6 (1.000) | 5400 | 88.0 |
| Total: | | | 108000 | 1760.0 |

Valor de eficiencia energética: $18.34 \text{ W/m}^2 = 2.92 \text{ W/m}^2/100 \text{ lx}$ (Base: 95.98 m^2)

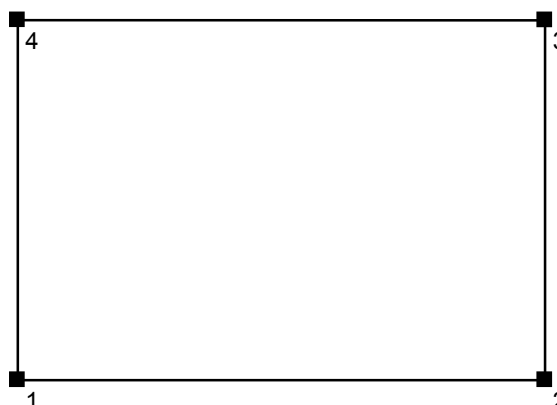
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INSTITUTO / Protocolo de entrada

Altura del plano útil: 0.850 m
 Zona marginal: 0.000 m

Factor mantenimiento: 0.80

Altura del local: 2.900 m
 Base: 95.98 m²



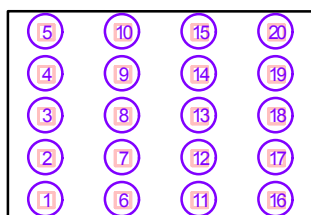
| Superficie | Rho [%] | desde ([m] [m]) | hacia ([m] [m]) | Longitud [m] |
|------------|---------|---------------------|---------------------|--------------|
| Suelo | 20 | / | / | / |
| Techo | 70 | / | / | / |
| Pared 1 | 50 | (0.000 0.000) | (11.850 0.000) | 11.850 |
| Pared 2 | 50 | (11.850 0.000) | (11.850 8.100) | 8.100 |
| Pared 3 | 50 | (11.850 8.100) | (0.000 8.100) | 11.850 |
| Pared 4 | 50 | (0.000 8.100) | (0.000 0.000) | 8.100 |

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INSTITUTO / Luminarias (lista de coordenadas)

Philips Indolight TBS330 4xTL-D18W/830 CON C6

5400 lm, 88.0 W, 1 x 4 x TL-D18W (Factor de corrección 1.000).



| Nº | Posición [m] | | | Rotación [°] | | |
|----|--------------|-------|-------|--------------|-----|------|
| | X | Y | Z | X | Y | Z |
| 1 | 1.480 | 0.810 | 2.885 | 0.0 | 0.0 | 90.0 |
| 2 | 1.480 | 2.430 | 2.885 | 0.0 | 0.0 | 90.0 |
| 3 | 1.480 | 4.050 | 2.885 | 0.0 | 0.0 | 90.0 |
| 4 | 1.480 | 5.670 | 2.885 | 0.0 | 0.0 | 90.0 |
| 5 | 1.480 | 7.290 | 2.885 | 0.0 | 0.0 | 90.0 |
| 6 | 4.440 | 0.810 | 2.885 | 0.0 | 0.0 | 90.0 |
| 7 | 4.440 | 2.430 | 2.885 | 0.0 | 0.0 | 90.0 |
| 8 | 4.440 | 4.050 | 2.885 | 0.0 | 0.0 | 90.0 |
| 9 | 4.440 | 5.670 | 2.885 | 0.0 | 0.0 | 90.0 |
| 10 | 4.440 | 7.290 | 2.885 | 0.0 | 0.0 | 90.0 |
| 11 | 7.400 | 0.810 | 2.885 | 0.0 | 0.0 | 90.0 |
| 12 | 7.400 | 2.430 | 2.885 | 0.0 | 0.0 | 90.0 |
| 13 | 7.400 | 4.050 | 2.885 | 0.0 | 0.0 | 90.0 |
| 14 | 7.400 | 5.670 | 2.885 | 0.0 | 0.0 | 90.0 |
| 15 | 7.400 | 7.290 | 2.885 | 0.0 | 0.0 | 90.0 |
| 16 | 10.360 | 0.810 | 2.885 | 0.0 | 0.0 | 90.0 |
| 17 | 10.360 | 2.430 | 2.885 | 0.0 | 0.0 | 90.0 |
| 18 | 10.360 | 4.050 | 2.885 | 0.0 | 0.0 | 90.0 |
| 19 | 10.360 | 5.670 | 2.885 | 0.0 | 0.0 | 90.0 |
| 20 | 10.360 | 7.290 | 2.885 | 0.0 | 0.0 | 90.0 |